LUXEON Rebel
IES LM-80 Test Report

Design Resource DR04

LUXEON
never before possible

LUXEON® Rebel

IES LM-80 Test Report

1. Number of LED light sources tested

Eighty or 160 units per test / 25 units reported. Units reported are selected as follows:

a) Units are assigned to nominal CCT bins of 2650K, 3000K, 3500K, 4000K, or 6000K.

b) The first 25 units from each CCT bin are reported. See section 14 below for more detail.

2. Description of LED light sources

Devices tested:

LUXEON Rebel p/n: LXM8-PW27 (nominal CCT 2700K)
LUXEON Rebel p/n: LXM8-PW30 (nominal CCT 3000K)
LUXEON Rebel p/n: LXM3-PW61 (nominal CCT 3500K)
LUXEON Rebel p/n: LXM3-PW51 (nominal CCT 4000K)
LUXEON Rebel p/n: LXML-PWC1 (nominal CCT 6000K)

This IES LM-80 Test Report applies to the LUXEON Rebel part numbers in Table 1.

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Table 1.

Part Number	Nominal CCT	Part Number	Nominal CCT
LXM3-PW81	2700K	LXM7-PW40	4000K
LXM8-PW27	2700K	LXW8-PW40	4000K
LXH8-PW27	2700K	LXH7-PW40	4000K
LXW9-PW27	2700K	LXML-PWN1	4100K
LXM3-PW71	3000K	LXML-PWN2	4100K
LXML-PW71	3000K	LXML-PW31	5000K
LXM8-PW30	3000K	LXW8-PW50	5000K
LXH8-PW30	3000K	LXML-PWC1	5650K
LXW9-PW30	3000K	LXML-PWC2	5650K
LXML-PWW1	3050K	LXML-PW21	5700K
LXM3-PW61	3500K	LXML-PW11	6500K
LXW8-PW35	3500K	LXML-PR01	Royal-Blue
LXM3-PW51	4000K	LXML-PR02	Royal-Blue
LXML-PW51	4000K		

3. Description of auxiliary equipment

LUXEON Rebel devices are soldered to reliability stress boards that can accommodate up to 160 devices. LUXEON Rebel LEDs are connected in series strings of up to 20 devices and driven by a constant current source for each series string.

Reliability stress boards are mounted in a thermal chamber which provides water or liquid N2 cooling to the bottom-side of the reliability stress board.

The reliability stress board is periodically removed from the thermal chamber, allowed to cool to room temperature, and then tested.

The tester consists of a computer-controlled x-y table, integrating sphere, programmable current-source meter, and relay switching-matrix. Each LUXEON Rebel is positioned underneath the integrating sphere and driven with a constant-current pulse. Luminous flux, (u', v'), and forward voltage are measured for each LUXEON Rebel.

After testing, the reliability stress board is returned to the thermal chamber for additional operation.

4. Operating cycle

LUXEON Rebel LEDs are driven with a constant direct current (DC).

5. Ambient conditions including airflow, temperature, and relative humidity

The case temperature within the thermal chamber was characterized by mounting several thermocouples on a sample reliability stress board at the designated thermal measurement point, as shown in the application brief, LUXEON Rebel Thermal Measurement Guidelines (AB33). In addition, several thermocouples were mounted in the air at a distance of 1.5mm above the reliability stress board. The reliability stress board was then mounted in the thermal chamber and driven at the specified stress condition. The thermocouple readings were monitored. After the thermocouples reached thermal equilibrium, the thermocouple readings were data-logged and averaged together. The relative humidity within the oven was characterized to be <65%.

The photometry measurement temperature is set and monitored to be within 25C +/- 2C with no forced airflow and RH <65%.

6. Case and ambient temperatures (ambient temperature measured 1.5mm above reliability stress board)

In all cases, both T_S and T_A meet or exceed the IES LM-80-08 limits.

7. Drive current of the LED light source during lifetime test

See tables.

8. Initial luminous flux and forward voltage at photometric measurement current

See tables.

9. Lumen maintenance for data for each individual light source along with median value, standard deviation, minimum and maximum lumen maintenance value for all of the light sources

See tables.

10. Observation of LED light source failures including the failure conditions and time of failure

No failures observed in devices reported.

11. LED light source monitoring interval

Units were tested at 0, 24, 168, 500, 1000, then at 1000-hour intervals after 1000 hours.

12. Photometric measurement uncertainty

Long-term measurement uncertainty is based on reproducibility tests done over a period of one year, calculated to k = 2 coverage (i.e. 95% coverage)
Luminous Flux (Φ_v) ±2%
Forward Voltage (V_f) ±0.4%
1976 UCS color space, u' ±0.1%
1976 UCS color space, v' ±0.2%
Note: u' and v' measurement accuracy may vary by color point location.
Note: k = 2 coverage means that the numbers cited represent ± 2 standard deviations of measurement uncertainty based on reproducibility tests done over a period of one year.

13. Chromaticity shift reported over the measurement time

See tables.

14. Sampling Method/Sample size

IES LM-80 tests require LED samples to be operated at a minimum of a single current and three temperatures of 55C, 85C and a third temperature picked by the LED manufacturer. Philips Lumileds has picked the third temperature in the range of 105C and 120C, depending on the maximum ratings of the LED.

LED samples for IES LM-80 testing consist of units built from a minimum of three manufacturing lots with each manufacturing lot built from different wafer lots built on non-consecutive days. These manufacturing lots are picked to represent a wide parametric distribution. Samples from each of these manufacturing lots are soldered to all of the reliability stress boards for a given set of IES LM-80 tests. A typical IES LM-80 test might consist of up to two 40-unit CCT color bins distributed across one 80-LED reliablity stress board, or up to four 40-unit CCT color bins distributed across two 80-LED reliability stress boards. Then the first 25 consecutive units out of the larger 40-unit sample set are reported. These 25 unit samples include samples from all of the same manufacturing lots which were used to populate the reliability stress boards.

Notes

Data is for reference only and is not an endorsement to exceed the Data Sheet operating conditions.

The TM21 extrapolations are based on the IESNA TM21 draft dated April 1st 2011. The TM-21 lumen maintenance model is based on the flux data normalized to 1 at 0 hours and the use of a exponential model for flux(time):

Flux(time) = B exp[–alpha time], where normally B ≅ 1, and alpha > 0.

An L70 extrapolation less than 0 means that the model predicts an increasing flux output with time, i.e. alpha < 0 (see graphs).
Generally, this means that additional test time is needed to determine the long-term lumen maintenance behavior.

The current EPA limits of 91.8% or 94.1% at 6,000 hours are based on the flux data normalized to 1 at 0 hours and the use of a simple exponential model for flux(time):

Flux(time) = exp[–alpha time] where alpha is calculated based on the 6,000 hour flux measurement only.

By comparison, the TM-21 method uses a least-squares curve fit of all of the data from 1,000 to 6,000 hours to the exponential model, with the added parameter B.

r^2 is a measure of the goodness of fit of the data to the exponential model. r^2 varies from 0 to 1, where 1 is an excellent curve fit. r^2 is normally less than 1 due to the random measurement uncertainty of the flux data at each time point. For more information, please see Microsoft Excel help for function RSQ(..).

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SUMMARY

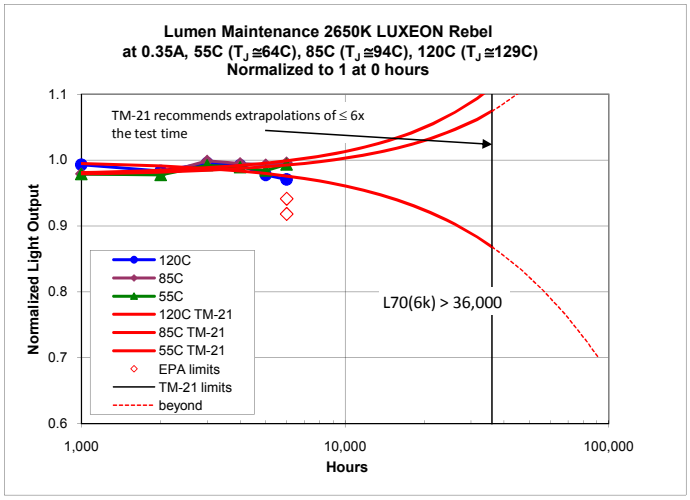
LUXEON Rebel CCT = 2650K, I_F = 0.35A

Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 1 $T_S = T_{AIR}$ = 120C	median =	1.0000	0.9906	0.9851	0.9875	0.9934	0.9836	0.9957	0.9929	0.9787	0.9731								
	average =	**1.0000**	**0.9905**	**0.9849**	**0.9881**	**0.9929**	**0.9835**	**0.9951**	**0.9918**	**0.9775**	**0.9705**					3.8895E-06	0.9987	0.532	91,365
	st dev =	0.0000	0.0015	0.0018	0.0042	0.0055	0.0062	0.0064	0.0059	0.0056	0.0071								
	min =	1.0000	0.9878	0.9814	0.9816	0.9827	0.9727	0.9828	0.9794	0.9648	0.9522								
	max =	1.0000	0.9934	0.9879	1.0002	1.0050	0.9947	1.0070	1.0029	0.9874	0.9804								
																TM-21 L_{70}(6k) > 36,000			
DATA SET 2 $T_S = T_{AIR}$ = 85C	median =	1.0000	0.9904	0.9862	0.9817	0.9792	0.9783	0.9987	0.9951	0.9927	0.9958								
	average =	**1.0000**	**0.9907**	**0.9866**	**0.9826**	**0.9789**	**0.9787**	**0.9986**	**0.9947**	**0.9927**	**0.9957**					-3.5416E-06	0.9777	0.553	-94,328
	st dev =	0.0000	0.0024	0.0030	0.0032	0.0032	0.0037	0.0060	0.0057	0.0057	0.0064								
	min =	1.0000	0.9860	0.9812	0.9769	0.9742	0.9720	0.9896	0.9849	0.9818	0.9858								
	max =	1.0000	0.9966	0.9958	0.9902	0.9862	0.9850	1.0111	1.0060	1.0049	1.0092								
																TM-21 L_{70}(6k) > 36,000			
DATA SET 3 $T_S = T_{AIR}$ = 55C	median =	1.0000	0.9904	0.9848	0.9802	0.9774	0.9767	0.9906	0.9870	0.9823	0.9918								
	average =	**1.0000**	**0.9906**	**0.9855**	**0.9824**	**0.9786**	**0.9772**	**0.9921**	**0.9890**	**0.9840**	**0.9934**					-2.6419E-06	0.9766	0.501	-126,051
	st dev =	0.0000	0.0031	0.0066	0.0080	0.0072	0.0073	0.0059	0.0064	0.0070	0.0068								
	min =	1.0000	0.9857	0.9742	0.9668	0.9673	0.9659	0.9852	0.9814	0.9762	0.9870								
	max =	1.0000	0.9971	1.0104	1.0070	1.0003	0.9972	1.0082	1.0053	1.0005	1.0119								
																TM-21 L_{70}(6k) > 36,000			

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 1 $T_S = T_{AIR}$ =	median =	0.0000	0.0010	0.0016	0.0021	0.0025	0.0030	0.0030	0.0029	0.0023	0.0017				
	average =	**0.0000**	**0.0011**	**0.0016**	**0.0022**	**0.0026**	**0.0030**	**0.0030**	**0.0029**	**0.0023**	**0.0016**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0003				
	min =	0.0000	0.0009	0.0014	0.0020	0.0022	0.0027	0.0028	0.0026	0.0019	0.0008				
	max =	0.0000	0.0012	0.0017	0.0023	0.0029	0.0032	0.0032	0.0031	0.0025	0.0019				
DATA SET 2 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0013	0.0019	0.0023	0.0026	0.0031	0.0038	0.0038	0.0037	0.0038				
	average =	**0.0000**	**0.0013**	**0.0019**	**0.0023**	**0.0026**	**0.0032**	**0.0038**	**0.0038**	**0.0038**	**0.0039**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002				
	min =	0.0000	0.0012	0.0017	0.0022	0.0024	0.0029	0.0035	0.0035	0.0035	0.0034				
	max =	0.0000	0.0015	0.0021	0.0025	0.0028	0.0035	0.0042	0.0042	0.0042	0.0042				
DATA SET 3 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0014	0.0020	0.0023	0.0027	0.0031	0.0036	0.0039	0.0041	0.0043				
	average =	**0.0000**	**0.0014**	**0.0020**	**0.0023**	**0.0027**	**0.0030**	**0.0036**	**0.0039**	**0.0041**	**0.0043**				
	st dev =	0.0000	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002				
	min =	0.0000	0.0012	0.0014	0.0016	0.0020	0.0026	0.0034	0.0038	0.0038	0.0041				
	max =	0.0000	0.0015	0.0021	0.0025	0.0029	0.0032	0.0038	0.0043	0.0045	0.0047				



SUMMARY, Continued

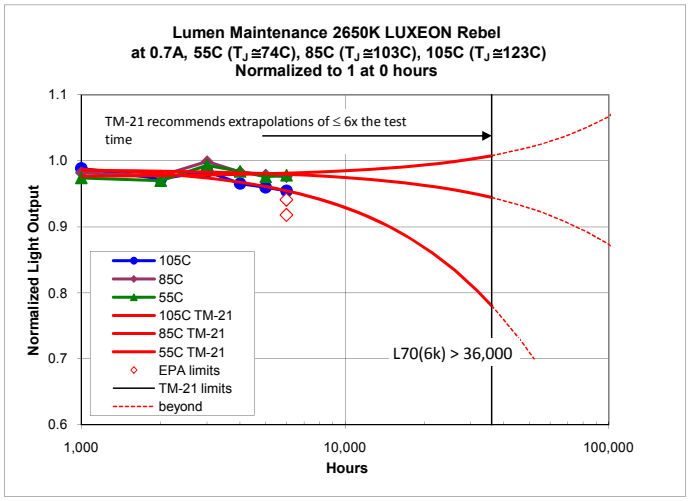
LUXEON Rebel CCT = 2650K, I_F = 0.7A

Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 4 $T_S = T_{AIR}$ = 105C	median =	1.0000	0.9935	0.9872	0.9970	0.9902	0.9737	0.9834	0.9656	0.9601	0.9542								
	average =	**1.0000**	**0.9937**	**0.9880**	**0.9967**	**0.9888**	**0.9729**	**0.9840**	**0.9657**	**0.9600**	**0.9545**					6.7205E-06	0.9940	0.821	52,177
	st dev =	0.0000	0.0024	0.0035	0.0052	0.0074	0.0063	0.0082	0.0076	0.0074	0.0082								
	min =	1.0000	0.9901	0.9832	0.9887	0.9713	0.9581	0.9677	0.9517	0.9468	0.9387								
	max =	1.0000	1.0017	0.9986	1.0070	1.0011	0.9838	1.0032	0.9832	0.9778	0.9743								
																		TM-21 L_{70}(6k) >	36,000
DATA SET 5 $T_S = T_{AIR}$ = 85C	median =	1.0000	0.9959	0.9880	0.9872	0.9812	0.9775	0.9984	0.9842	0.9793	0.9758								
	average =	**1.0000**	**0.9966**	**0.9884**	**0.9879**	**0.9819**	**0.9772**	**0.9990**	**0.9831**	**0.9785**	**0.9759**					1.2179E-06	0.9868	0.070	281,920
	st dev =	0.0000	0.0034	0.0032	0.0035	0.0040	0.0051	0.0060	0.0063	0.0067	0.0067								
	min =	1.0000	0.9925	0.9841	0.9830	0.9753	0.9689	0.9872	0.9724	0.9674	0.9608								
	max =	1.0000	1.0069	0.9959	0.9955	0.9903	0.9874	1.0070	0.9934	0.9920	0.9886								
																		TM-21 L_{70}(6k) >	36,000
DATA SET 6 $T_S = T_{AIR}$ = 55C	median =	1.0000	0.9966	0.9877	0.9853	0.9735	0.9700	0.9918	0.9836	0.9751	0.9786								
	average =	**1.0000**	**0.9969**	**0.9882**	**0.9855**	**0.9740**	**0.9699**	**0.9930**	**0.9840**	**0.9759**	**0.9783**					-8.8983E-07	0.9761	0.039	-373,671
	st dev =	0.0000	0.0022	0.0024	0.0027	0.0022	0.0037	0.0083	0.0082	0.0094	0.0087								
	min =	1.0000	0.9923	0.9844	0.9816	0.9704	0.9621	0.9734	0.9637	0.9506	0.9589								
	max =	1.0000	1.0017	0.9932	0.9911	0.9797	0.9771	1.0078	0.9986	0.9906	0.9937								
																		TM-21 L_{70}(6k) >	36,000

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 4 $T_S = T_{AIR}$ = 105C	median =	0.0000	0.0016	0.0023	0.0030	0.0035	0.0037	0.0039	0.0035	0.0030	0.0026				
	average =	**0.0000**	**0.0016**	**0.0023**	**0.0031**	**0.0034**	**0.0037**	**0.0038**	**0.0035**	**0.0030**	**0.0025**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0003	0.0003	0.0004				
	min =	0.0000	0.0014	0.0020	0.0028	0.0032	0.0032	0.0033	0.0027	0.0023	0.0018				
	max =	0.0000	0.0017	0.0025	0.0033	0.0037	0.0039	0.0041	0.0039	0.0036	0.0032				
DATA SET 5 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0016	0.0024	0.0031	0.0038	0.0044	0.0048	0.0049	0.0047	0.0046				
	average =	**0.0000**	**0.0017**	**0.0024**	**0.0031**	**0.0038**	**0.0044**	**0.0048**	**0.0049**	**0.0048**	**0.0047**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002				
	min =	0.0000	0.0016	0.0021	0.0028	0.0035	0.0041	0.0045	0.0045	0.0046	0.0044				
	max =	0.0000	0.0018	0.0026	0.0033	0.0041	0.0047	0.0053	0.0053	0.0051	0.0050				
DATA SET 6 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0016	0.0024	0.0030	0.0036	0.0044	0.0049	0.0050	0.0050	0.0051				
	average =	**0.0000**	**0.0017**	**0.0024**	**0.0030**	**0.0036**	**0.0044**	**0.0049**	**0.0051**	**0.0050**	**0.0051**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001				
	min =	0.0000	0.0015	0.0022	0.0028	0.0034	0.0041	0.0047	0.0048	0.0048	0.0048				
	max =	0.0000	0.0018	0.0025	0.0033	0.0039	0.0047	0.0052	0.0054	0.0053	0.0054				



SUMMARY, Continued

LUXEON Rebel CCT = 2650K, I_F = 1A

Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 7 $T_S = T_{AIR}$ = 105C	median =	1.0000	0.9944	0.9957	0.9823	0.9595	0.9365	0.9360	0.9133	0.9045	0.8929								
	average =	**1.0000**	**0.9949**	**0.9951**	**0.9825**	**0.9589**	**0.9351**	**0.9353**	**0.9115**	**0.9018**	**0.8891**					1.4640E-05	0.9701	0.966	22,290
	st dev =	0.0000	0.0038	0.0050	0.0054	0.0060	0.0090	0.0087	0.0126	0.0132	0.0181								
	min =	1.0000	0.9873	0.9819	0.9727	0.9418	0.9086	0.9153	0.8789	0.8677	0.8395								
	max =	1.0000	1.0039	1.0013	0.9948	0.9684	0.9493	0.9492	0.9262	0.9158	0.9084								
DATA SET 8 $T_S = T_{AIR}$ = 85C	median =	1.0000	0.9964	0.9858	0.9895	0.9745	0.9640	0.9741	0.9555	0.9493	0.9420								
	average =	**1.0000**	**0.9974**	**0.9860**	**0.9892**	**0.9741**	**0.9644**	**0.9741**	**0.9544**	**0.9450**	**0.9367**					7.9086E-06	0.9849	0.839	43,175
	st dev =	0.0000	0.0042	0.0038	0.0054	0.0074	0.0080	0.0086	0.0099	0.0112	0.0141								
	min =	1.0000	0.9894	0.9786	0.9763	0.9610	0.9506	0.9531	0.9288	0.9138	0.8963								
	max =	1.0000	1.0064	0.9951	0.9983	0.9867	0.9812	0.9904	0.9721	0.9618	0.9579								
DATA SET 9 $T_S = T_{AIR}$ = 55C	median =	1.0000	0.9976	0.9817	0.9842	0.9688	0.9634	0.9851	0.9726	0.9640	0.9617								
	average =	**1.0000**	**0.9973**	**0.9778**	**0.9808**	**0.9663**	**0.9612**	**0.9836**	**0.9726**	**0.9627**	**0.9609**					9.8246E-07	0.9712	0.041	333,293
	st dev =	0.0000	0.0022	0.0107	0.0082	0.0073	0.0076	0.0078	0.0067	0.0087	0.0073								
	min =	1.0000	0.9903	0.9487	0.9557	0.9434	0.9452	0.9656	0.9558	0.9410	0.9423								
	max =	1.0000	1.0006	0.9859	0.9884	0.9744	0.9704	0.9955	0.9833	0.9742	0.9746								

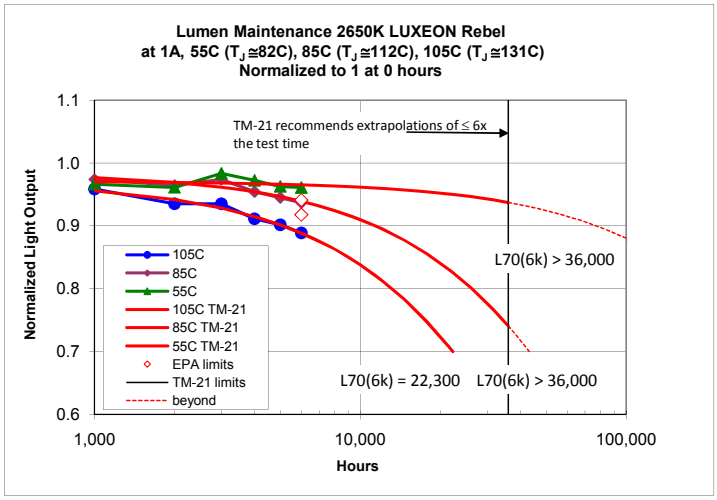
L_{70}(6k) = 22,290

L_{70}(6k) > 36,000

L_{70}(6k) > 36,000

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 7 $T_S = T_{AIR}$ = 105C	median =	0.0000	0.0017	0.0026	0.0030	0.0030	0.0022	0.0019	0.0012	0.0010	0.0009				
	average =	**0.0000**	**0.0018**	**0.0027**	**0.0031**	**0.0029**	**0.0020**	**0.0018**	**0.0013**	**0.0012**	**0.0014**				
	st dev =	0.0000	0.0001	0.0001	0.0002	0.0004	0.0007	0.0007	0.0007	0.0008	0.0016				
	min =	0.0000	0.0015	0.0025	0.0026	0.0016	0.0002	0.0003	0.0001	0.0001	0.0003				
	max =	0.0000	0.0019	0.0029	0.0034	0.0035	0.0029	0.0026	0.0029	0.0037	0.0061				
DATA SET 8 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0018	0.0028	0.0036	0.0042	0.0044	0.0044	0.0042	0.0035	0.0029				
	average =	**0.0000**	**0.0019**	**0.0028**	**0.0036**	**0.0042**	**0.0044**	**0.0044**	**0.0040**	**0.0035**	**0.0027**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0001	0.0002	0.0004	0.0006	0.0006	0.0008				
	min =	0.0000	0.0017	0.0026	0.0033	0.0040	0.0040	0.0033	0.0025	0.0017	0.0008				
	max =	0.0000	0.0021	0.0031	0.0039	0.0045	0.0048	0.0049	0.0049	0.0045	0.0040				
DATA SET 9 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0018	0.0027	0.0035	0.0043	0.0048	0.0052	0.0051	0.0047	0.0044				
	average =	**0.0000**	**0.0018**	**0.0027**	**0.0035**	**0.0043**	**0.0048**	**0.0052**	**0.0051**	**0.0047**	**0.0043**				
	st dev =	0.0000	0.0001	0.0002	0.0002	0.0001	0.0002	0.0002	0.0002	0.0003	0.0005				
	min =	0.0000	0.0017	0.0024	0.0032	0.0040	0.0046	0.0049	0.0046	0.0037	0.0031				
	max =	0.0000	0.0020	0.0029	0.0038	0.0046	0.0051	0.0055	0.0055	0.0052	0.0050				



SUMMARY, Continued

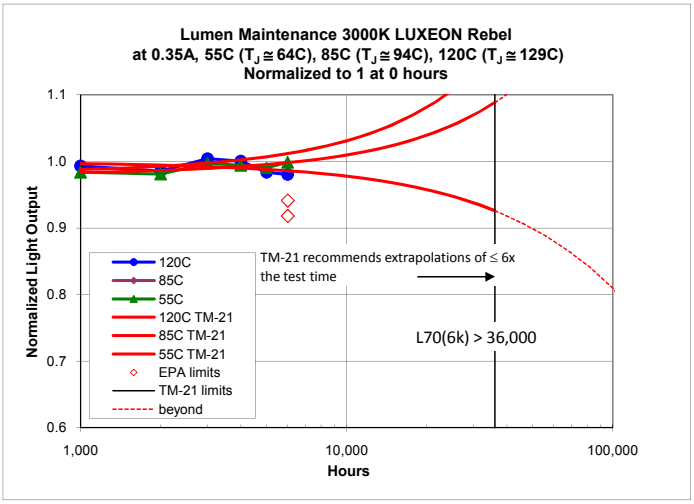
LUXEON Rebel CCT = 3000K, I_F = 0.35A

Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 10 $T_S = T_{AIR}$ = 120C	median =	1.0000	0.9902	0.9856	0.9977	0.9921	0.9827	1.0049	1.0022	0.9847	0.9825								
	average =	**1.0000**	**0.9905**	**0.9858**	**0.9986**	**0.9933**	**0.9854**	**1.0041**	**1.0006**	**0.9837**	**0.9805**					2.0990E-06	0.9985	0.165	169,230
	st dev =	0.0000	0.0031	0.0046	0.0091	0.0117	0.0108	0.0089	0.0091	0.0091	0.0107					TM-21 L_{70}(6k) > 36,000			
	min =	1.0000	0.9806	0.9734	0.9746	0.9556	0.9544	0.9847	0.9791	0.9614	0.9526								
	max =	1.0000	0.9979	0.9990	1.0219	1.0150	1.0091	1.0230	1.0191	1.0023	1.0004								
DATA SET 11 $T_S = T_{AIR}$ = 85C	median =	1.0000	0.9914	0.9883	0.9853	0.9831	0.9874	1.0094	1.0072	1.0069	1.0102								
	average =	**1.0000**	**0.9918**	**0.9887**	**0.9859**	**0.9843**	**0.9875**	**1.0091**	**1.0061**	**1.0047**	**1.0075**					-4.7365E-06	0.9834	0.647	-71,761
	st dev =	0.0000	0.0031	0.0035	0.0037	0.0038	0.0046	0.0063	0.0071	0.0074	0.0081					TM-21 L_{70}(6k) > 36,000			
	min =	1.0000	0.9884	0.9847	0.9793	0.9778	0.9765	0.9949	0.9909	0.9879	0.9912								
	max =	1.0000	1.0015	0.9991	0.9969	0.9943	0.9962	1.0210	1.0207	1.0157	1.0199								
DATA SET 12 $T_S = T_{AIR}$ = 55C	median =	1.0000	0.9920	0.9891	0.9864	0.9840	0.9825	0.9979	0.9939	0.9907	0.9987								
	average =	**1.0000**	**0.9929**	**0.9889**	**0.9862**	**0.9836**	**0.9809**	**0.9973**	**0.9941**	**0.9903**	**0.9987**					-2.8896E-06	0.9808	0.542	-116,734
	st dev =	0.0000	0.0024	0.0025	0.0026	0.0028	0.0109	0.0034	0.0035	0.0041	0.0041					TM-21 L_{70}(6k) > 36,000			
	min =	1.0000	0.9878	0.9827	0.9818	0.9793	0.9311	0.9898	0.9865	0.9822	0.9906								
	max =	1.0000	0.9972	0.9938	0.9926	0.9910	0.9926	1.0068	1.0047	1.0021	1.0116								

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 10 $T_S = T_{AIR}$ = 120C	median =	0.0000	0.0008	0.0010	0.0015	0.0021	0.0023	0.0022	0.0021	0.0016	0.0012				
	average =	**0.0000**	**0.0008**	**0.0010**	**0.0015**	**0.0021**	**0.0023**	**0.0023**	**0.0022**	**0.0016**	**0.0011**				
	st dev =	0.0000	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0004				
	min =	0.0000	0.0006	0.0009	0.0013	0.0017	0.0020	0.0020	0.0019	0.0011	0.0001				
	max =	0.0000	0.0013	0.0016	0.0021	0.0026	0.0027	0.0026	0.0027	0.0021	0.0016				
DATA SET 11 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0010	0.0014	0.0016	0.0017	0.0023	0.0028	0.0028	0.0028	0.0029				
	average =	**0.0000**	**0.0010**	**0.0014**	**0.0016**	**0.0017**	**0.0023**	**0.0028**	**0.0028**	**0.0028**	**0.0029**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002				
	min =	0.0000	0.0009	0.0013	0.0014	0.0016	0.0020	0.0025	0.0026	0.0025	0.0026				
	max =	0.0000	0.0011	0.0015	0.0017	0.0019	0.0026	0.0032	0.0032	0.0032	0.0032				
DATA SET 12 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0011	0.0014	0.0016	0.0018	0.0020	0.0025	0.0029	0.0030	0.0031				
	average =	**0.0000**	**0.0011**	**0.0015**	**0.0016**	**0.0018**	**0.0020**	**0.0025**	**0.0029**	**0.0030**	**0.0032**				
	st dev =	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002				
	min =	0.0000	0.0010	0.0014	0.0015	0.0016	0.0018	0.0023	0.0026	0.0028	0.0030				
	max =	0.0000	0.0011	0.0015	0.0018	0.0021	0.0022	0.0028	0.0032	0.0034	0.0036				



SUMMARY, Continued

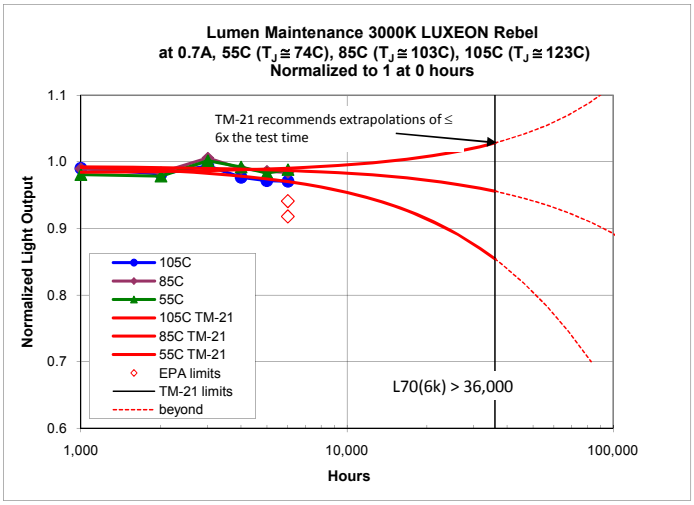
LUXEON Rebel CCT = 3000K, I_F = 0.7A

Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 13 $T_S = T_{AIR}$ = 105C	median =	1.0000	0.9943	0.9930	1.0070	0.9894	0.9810	0.9936	0.9756	0.9721	0.9710								
	average =	**1.0000**	**0.9950**	**0.9938**	**1.0053**	**0.9903**	**0.9819**	**0.9940**	**0.9767**	**0.9716**	**0.9707**					4.2534E-06	0.9955	0.652	82,807
	st dev =	0.0000	0.0027	0.0052	0.0080	0.0069	0.0065	0.0068	0.0064	0.0072	0.0076								
	min =	1.0000	0.9901	0.9860	0.9902	0.9814	0.9734	0.9840	0.9664	0.9606	0.9589								
	max =	1.0000	1.0036	1.0097	1.0180	1.0041	0.9958	1.0089	0.9920	0.9863	0.9880								
DATA SET 14 $T_S = T_{AIR}$ = 85C	median =	1.0000	0.9998	0.9938	0.9940	0.9886	0.9833	1.0041	0.9886	0.9838	0.9834								
	average =	**1.0000**	**0.9999**	**0.9931**	**0.9946**	**0.9896**	**0.9838**	**1.0058**	**0.9897**	**0.9858**	**0.9842**					1.0718E-06	0.9935	0.059	326,739
	st dev =	0.0000	0.0045	0.0057	0.0050	0.0065	0.0080	0.0084	0.0087	0.0083	0.0082								
	min =	1.0000	0.9913	0.9763	0.9872	0.9791	0.9722	0.9931	0.9758	0.9742	0.9718								
	max =	1.0000	1.0092	1.0040	1.0069	1.0057	1.0065	1.0269	1.0111	1.0058	1.0032								
DATA SET 15 $T_S = T_{AIR}$ = 55C	median =	1.0000	0.9990	0.9932	0.9920	0.9816	0.9798	1.0034	0.9938	0.9845	0.9893								
	average =	**1.0000**	**0.9992**	**0.9928**	**0.9918**	**0.9808**	**0.9785**	**1.0020**	**0.9922**	**0.9833**	**0.9884**					-1.2497E-06	0.9832	0.071	-271,817
	st dev =	0.0000	0.0030	0.0039	0.0047	0.0052	0.0052	0.0060	0.0059	0.0065	0.0068								
	min =	1.0000	0.9903	0.9776	0.9746	0.9626	0.9593	0.9811	0.9714	0.9627	0.9697								
	max =	1.0000	1.0035	0.9973	0.9984	0.9877	0.9841	1.0102	1.0000	0.9909	0.9995								

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 13 $T_S = T_{AIR}$ = 105C	median =	0.0000	0.0010	0.0015	0.0023	0.0027	0.0029	0.0031	0.0030	0.0026	0.0024				
	average =	**0.0000**	**0.0010**	**0.0015**	**0.0023**	**0.0027**	**0.0029**	**0.0031**	**0.0029**	**0.0026**	**0.0023**				
	st dev =	0.0000	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003				
	min =	0.0000	0.0009	0.0013	0.0020	0.0024	0.0026	0.0027	0.0023	0.0020	0.0016				
	max =	0.0000	0.0011	0.0017	0.0026	0.0030	0.0032	0.0034	0.0033	0.0030	0.0027				
DATA SET 14 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0012	0.0016	0.0021	0.0028	0.0034	0.0036	0.0037	0.0037	0.0036				
	average =	**0.0000**	**0.0012**	**0.0015**	**0.0020**	**0.0028**	**0.0033**	**0.0036**	**0.0037**	**0.0037**	**0.0036**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002				
	min =	0.0000	0.0010	0.0013	0.0017	0.0023	0.0029	0.0032	0.0032	0.0032	0.0030				
	max =	0.0000	0.0013	0.0017	0.0023	0.0031	0.0036	0.0039	0.0039	0.0039	0.0039				
DATA SET 15 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0013	0.0017	0.0020	0.0024	0.0032	0.0038	0.0038	0.0038	0.0039				
	average =	**0.0000**	**0.0013**	**0.0017**	**0.0020**	**0.0025**	**0.0033**	**0.0038**	**0.0039**	**0.0038**	**0.0039**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002				
	min =	0.0000	0.0011	0.0015	0.0018	0.0022	0.0029	0.0034	0.0036	0.0035	0.0036				
	max =	0.0000	0.0016	0.0021	0.0025	0.0029	0.0039	0.0044	0.0044	0.0044	0.0043				



TM-21 L_{70}(6k) > 36,000

TM-21 L_{70}(6k) > 36,000

TM-21 L_{70}(6k) > 36,000

SUMMARY, Continued

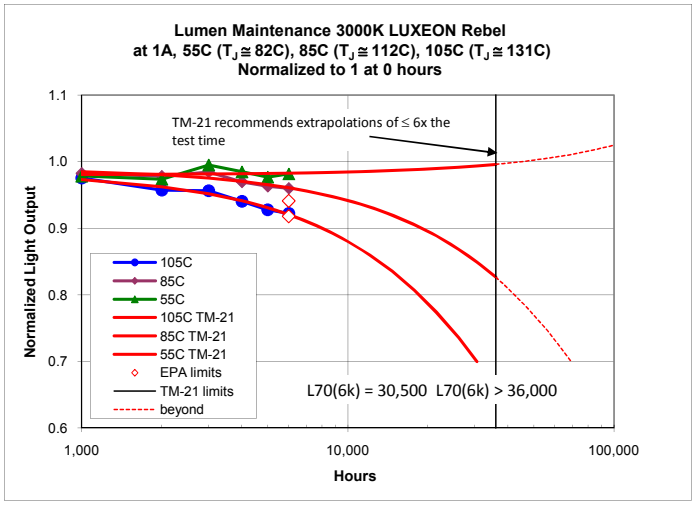
LUXEON Rebel CCT = 3000K, I_F = 1A

Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 16 $T_S = T_{AIR}$ = 105C	median =	1.0000	0.9973	0.9986	0.9965	0.9759	0.9572	0.9559	0.9388	0.9261	0.9210								
	average =	**1.0000**	**0.9968**	**0.9971**	**0.9959**	**0.9753**	**0.9574**	**0.9563**	**0.9407**	**0.9278**	**0.9222**					1.1158E-05	0.9841	0.969	30,533
	st dev =	0.0000	0.0061	0.0079	0.0082	0.0076	0.0082	0.0092	0.0099	0.0102	0.0115								
	min =	1.0000	0.9768	0.9712	0.9736	0.9582	0.9407	0.9344	0.9216	0.9069	0.8986								
	max =	1.0000	1.0106	1.0088	1.0081	0.9856	0.9711	0.9751	0.9603	0.9459	0.9415								
																TM-21 L_{70}(6k) =			**30,533**
DATA SET 17 $T_S = T_{AIR}$ = 85C	median =	1.0000	0.9985	0.9911	0.9948	0.9825	0.9773	0.9838	0.9689	0.9623	0.9594								
	average =	**1.0000**	**0.9986**	**0.9897**	**0.9947**	**0.9822**	**0.9781**	**0.9844**	**0.9697**	**0.9631**	**0.9600**					5.0236E-06	0.9901	0.804	69,026
	st dev =	0.0000	0.0042	0.0046	0.0063	0.0072	0.0083	0.0098	0.0088	0.0093	0.0089								
	min =	1.0000	0.9889	0.9781	0.9815	0.9678	0.9648	0.9682	0.9530	0.9446	0.9403								
	max =	1.0000	1.0052	0.9960	1.0047	0.9961	0.9989	1.0158	0.9964	0.9911	0.9855								
																TM-21 L_{70}(6k) >			**36,000**
DATA SET 18 $T_S = T_{AIR}$ = 55C	median =	1.0000	1.0002	0.9875	0.9902	0.9773	0.9734	0.9949	0.9847	0.9780	0.9813								
	average =	**1.0000**	**1.0007**	**0.9880**	**0.9909**	**0.9785**	**0.9738**	**0.9951**	**0.9849**	**0.9768**	**0.9817**					-4.4344E-07	0.9802	0.012	-759,338
	st dev =	0.0000	0.0030	0.0029	0.0041	0.0034	0.0040	0.0055	0.0064	0.0083	0.0066								
	min =	1.0000	0.9943	0.9812	0.9849	0.9743	0.9656	0.9817	0.9701	0.9552	0.9663								
	max =	1.0000	1.0083	0.9958	1.0034	0.9889	0.9818	1.0080	0.9980	0.9906	0.9934								
																TM-21 L_{70}(6k) >			**36,000**

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 16 $T_S = T_{AIR}$ = 105C	median =	0.0000	0.0011	0.0019	0.0023	0.0023	0.0018	0.0016	0.0012	0.0011	0.0011				
	average =	**0.0000**	**0.0012**	**0.0019**	**0.0024**	**0.0024**	**0.0019**	**0.0016**	**0.0012**	**0.0012**	**0.0011**				
	st dev =	0.0000	0.0002	0.0002	0.0002	0.0003	0.0005	0.0006	0.0006	0.0005	0.0004				
	min =	0.0000	0.0010	0.0016	0.0019	0.0019	0.0012	0.0008	0.0005	0.0004	0.0003				
	max =	0.0000	0.0019	0.0027	0.0031	0.0034	0.0034	0.0033	0.0029	0.0027	0.0024				
DATA SET 17 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0012	0.0018	0.0025	0.0031	0.0034	0.0036	0.0033	0.0028	0.0024				
	average =	**0.0000**	**0.0013**	**0.0019**	**0.0026**	**0.0032**	**0.0033**	**0.0035**	**0.0033**	**0.0028**	**0.0024**				
	st dev =	0.0000	0.0001	0.0001	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003				
	min =	0.0000	0.0011	0.0016	0.0022	0.0028	0.0030	0.0029	0.0025	0.0022	0.0017				
	max =	0.0000	0.0016	0.0021	0.0029	0.0035	0.0037	0.0039	0.0038	0.0034	0.0031				
DATA SET 18 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0013	0.0017	0.0023	0.0030	0.0035	0.0038	0.0039	0.0037	0.0037				
	average =	**0.0000**	**0.0013**	**0.0018**	**0.0023**	**0.0031**	**0.0036**	**0.0039**	**0.0039**	**0.0038**	**0.0038**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003				
	min =	0.0000	0.0012	0.0016	0.0021	0.0028	0.0032	0.0036	0.0035	0.0034	0.0034				
	max =	0.0000	0.0014	0.0020	0.0027	0.0035	0.0042	0.0046	0.0045	0.0044	0.0044				



SUMMARY, Continued

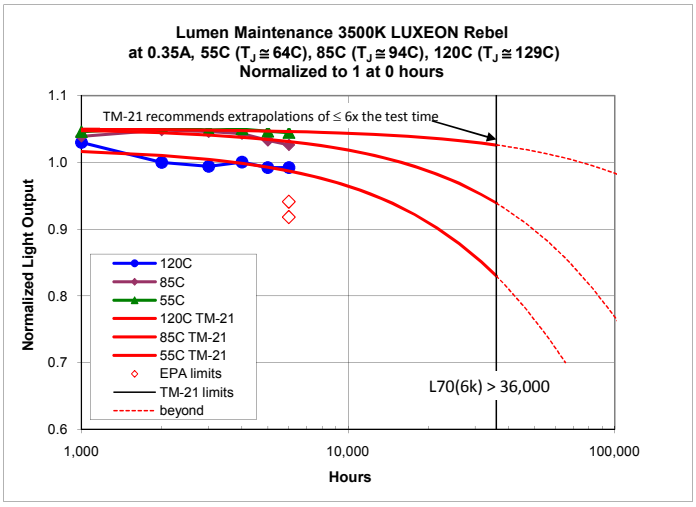
LUXEON Rebel CCT = 3500K, I_F = 0.35A

Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 19 $T_S = T_{AIR}$ = 120C	median =	1.0000	1.0213	1.0340	1.0390	1.0407	0.9948	0.9929	0.9984	0.9920	0.9929								
	average =	**1.0000**	**1.0133**	**1.0253**	**1.0284**	**1.0299**	**1.0001**	**0.9941**	**1.0004**	**0.9922**	**0.9924**					5.7972E-06	1.0220	0.582	65,276
	st dev =	0.0000	0.0278	0.0313	0.0314	0.0254	0.0546	0.0572	0.0584	0.0579	0.0579					TM-21 L_{70}(6k) >			36,000
	min =	1.0000	0.9729	0.9799	0.9672	0.9827	0.9193	0.8964	0.9025	0.8963	0.8939								
	max =	1.0000	1.0519	1.0758	1.0738	1.0603	1.1115	1.1109	1.1209	1.1094	1.1091								
DATA SET 20 $T_S = T_{AIR}$ = 85C	median =	1.0000	1.0107	1.0253	1.0383	1.0436	1.0370	1.0349	1.0341	1.0244	1.0129								
	average =	**1.0000**	**1.0109**	**1.0243**	**1.0339**	**1.0392**	**1.0485**	**1.0461**	**1.0432**	**1.0332**	**1.0263**					3.1266E-06	1.0508	0.522	129,924
	st dev =	0.0000	0.0077	0.0107	0.0125	0.0130	0.0471	0.0481	0.0494	0.0530	0.0531					TM-21 L_{70}(6k) >			36,000
	min =	1.0000	0.9901	0.9935	0.9973	1.0025	0.9859	0.9854	0.9877	0.9741	0.9562								
	max =	1.0000	1.0233	1.0404	1.0480	1.0551	1.2144	1.2164	1.2289	1.2372	1.2221								
DATA SET 21 $T_S = T_{AIR}$ = 55C	median =	1.0000	1.0347	1.0283	1.0458	1.0436	1.0426	1.0392	1.0426	1.0402	1.0387								
	average =	**1.0000**	**1.0349**	**1.0283**	**1.0462**	**1.0458**	**1.0531**	**1.0487**	**1.0500**	**1.0466**	**1.0447**					6.5656E-07	1.0506	0.171	618,395
	st dev =	0.0000	0.0076	0.0100	0.0079	0.0080	0.0548	0.0546	0.0553	0.0556	0.0559					TM-21 L_{70}(6k) >			36,000
	min =	1.0000	1.0179	0.9961	1.0340	1.0327	0.9647	0.9558	0.9541	0.9498	0.9474								
	max =	1.0000	1.0590	1.0502	1.0725	1.0725	1.2052	1.1986	1.2001	1.1978	1.1966								

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 19 $T_S = T_{AIR}$ = 120C	median =	0.0000	0.0007	0.0010	0.0017	0.0020	0.0024	0.0024	0.0025	0.0027	0.0028				
	average =	**0.0000**	**0.0013**	**0.0016**	**0.0022**	**0.0024**	**0.0027**	**0.0026**	**0.0027**	**0.0028**	**0.0030**				
	st dev =	0.0000	0.0009	0.0009	0.0009	0.0009	0.0008	0.0008	0.0007	0.0007	0.0008				
	min =	0.0000	0.0004	0.0007	0.0013	0.0014	0.0016	0.0017	0.0017	0.0018	0.0017				
	max =	0.0000	0.0029	0.0033	0.0038	0.0041	0.0053	0.0052	0.0051	0.0052	0.0052				
DATA SET 20 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0008	0.0010	0.0012	0.0014	0.0019	0.0019	0.0019	0.0019	0.0021				
	average =	**0.0000**	**0.0009**	**0.0011**	**0.0013**	**0.0015**	**0.0019**	**0.0020**	**0.0020**	**0.0021**	**0.0022**				
	st dev =	0.0000	0.0003	0.0003	0.0003	0.0004	0.0005	0.0005	0.0005	0.0005	0.0005				
	min =	0.0000	0.0006	0.0009	0.0010	0.0012	0.0014	0.0014	0.0015	0.0014	0.0014				
	max =	0.0000	0.0019	0.0022	0.0024	0.0026	0.0034	0.0034	0.0031	0.0031	0.0032				
DATA SET 21 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0008	0.0009	0.0012	0.0013	0.0014	0.0014	0.0015	0.0017	0.0017				
	average =	**0.0000**	**0.0008**	**0.0009**	**0.0012**	**0.0013**	**0.0016**	**0.0015**	**0.0017**	**0.0018**	**0.0018**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003	0.0003	0.0002				
	min =	0.0000	0.0007	0.0008	0.0009	0.0012	0.0013	0.0013	0.0014	0.0015	0.0014				
	max =	0.0000	0.0010	0.0012	0.0015	0.0016	0.0022	0.0023	0.0025	0.0025	0.0025				



SUMMARY, Continued

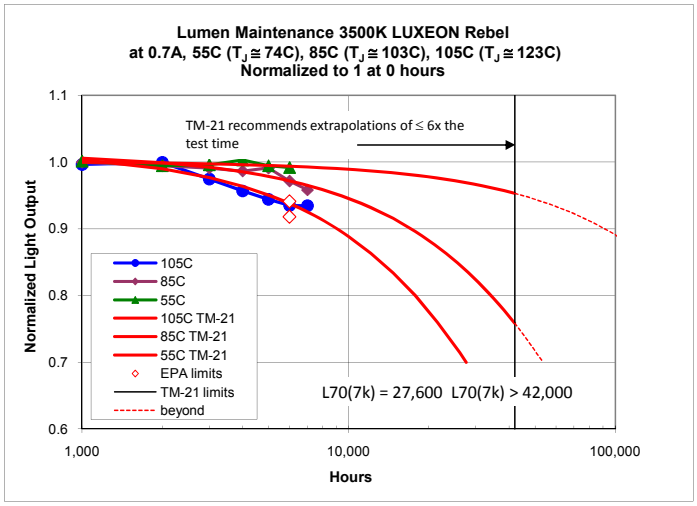
LUXEON Rebel CCT = 3500K, I_F = 0.7A

Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 22 $T_S = T_{AIR}$ = 105C	median =	1.0000	0.9964	0.9975	1.0004	1.0026	1.0056	0.9755	0.9651	0.9606	0.9598	0.9610							
	average =	**1.0000**	**0.9933**	**0.9904**	**0.9919**	**0.9965**	**0.9994**	**0.9747**	**0.9566**	**0.9441**	**0.9350**	**0.9345**				1.3532E-05	1.0172	0.914	27,619
	st dev =	0.0000	0.0124	0.0187	0.0206	0.0265	0.0286	0.0298	0.0535	0.0685	0.0806	0.0894							
	min =	1.0000	0.9429	0.9422	0.9369	0.9323	0.9371	0.9201	0.8002	0.7325	0.6847	0.6586							
	max =	1.0000	1.0022	1.0063	1.0112	1.0614	1.0845	1.0732	1.0886	1.0822	1.0769	1.0789							
																TM-21 L_{70}(7k) > 27,619			
DATA SET 23 $T_S = T_{AIR}$ = 85C	median =	1.0000	0.9932	1.0043	1.0043	1.0029	0.9969	0.9939	0.9882	0.9928	0.9701	0.9603							
	average =	**1.0000**	**0.9912**	**1.0015**	**1.0006**	**0.9996**	**0.9943**	**0.9909**	**0.9865**	**0.9911**	**0.9713**	**0.9580**				6.8963E-06	1.0129	0.774	53,576
	st dev =	0.0000	0.0066	0.0084	0.0101	0.0112	0.0116	0.0135	0.0150	0.0152	0.0167	0.0183							
	min =	1.0000	0.9683	0.9722	0.9677	0.9630	0.9550	0.9481	0.9414	0.9445	0.9309	0.9269							
	max =	1.0000	0.9965	1.0076	1.0065	1.0170	1.0138	1.0136	1.0159	1.0191	1.0137	1.0084							
																TM-21 L_{70}(7k) > 42,000			
DATA SET 24 $T_S = T_{AIR}$ = 55C	median =	1.0000	0.9946	1.0028	0.9993	1.0016	0.9912	0.9924	0.9996	0.9895	0.9900								
	average =	**1.0000**	**0.9954**	**1.0029**	**0.9961**	**1.0012**	**0.9944**	**0.9957**	**1.0030**	**0.9944**	**0.9917**					1.1605E-06	1.0008	0.242	308,016
	st dev =	0.0000	0.0040	0.0039	0.0122	0.0143	0.0213	0.0219	0.0241	0.0247	0.0242								
	min =	1.0000	0.9905	0.9960	0.9598	0.9712	0.9607	0.9600	0.9726	0.9596	0.9567								
	max =	1.0000	1.0119	1.0182	1.0173	1.0479	1.0629	1.0656	1.0926	1.0845	1.0789								
																TM-21 L_{70}(6k) > 36,000			

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 22 $T_S = T_{AIR}$ = 105C	median =	0.0000	0.0015	0.0022	0.0026	0.0028	0.0034	0.0037	0.0038	0.0038	0.0040	0.0040			
	average =	**0.0000**	**0.0016**	**0.0023**	**0.0027**	**0.0030**	**0.0034**	**0.0036**	**0.0037**	**0.0037**	**0.0038**	**0.0039**			
	st dev =	0.0000	0.0005	0.0005	0.0005	0.0005	0.0004	0.0004	0.0004	0.0005	0.0007	0.0008			
	min =	0.0000	0.0012	0.0018	0.0022	0.0024	0.0027	0.0029	0.0027	0.0015	0.0007	0.0007			
	max =	0.0000	0.0036	0.0043	0.0046	0.0048	0.0047	0.0044	0.0042	0.0043	0.0044	0.0045			
DATA SET 23 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0016	0.0022	0.0028	0.0031	0.0035	0.0038	0.0040	0.0041	0.0042	0.0042			
	average =	**0.0000**	**0.0016**	**0.0023**	**0.0028**	**0.0031**	**0.0035**	**0.0038**	**0.0040**	**0.0041**	**0.0042**	**0.0043**			
	st dev =	0.0000	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003			
	min =	0.0000	0.0013	0.0020	0.0024	0.0026	0.0030	0.0034	0.0036	0.0036	0.0037	0.0037			
	max =	0.0000	0.0023	0.0032	0.0037	0.0039	0.0042	0.0045	0.0048	0.0047	0.0047	0.0046			
DATA SET 24 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0014	0.0022	0.0027	0.0031	0.0036	0.0040	0.0041	0.0044	0.0045				
	average =	**0.0000**	**0.0014**	**0.0021**	**0.0027**	**0.0032**	**0.0037**	**0.0041**	**0.0043**	**0.0044**	**0.0045**				
	st dev =	0.0000	0.0001	0.0001	0.0002	0.0003	0.0004	0.0004	0.0004	0.0005	0.0005				
	min =	0.0000	0.0011	0.0019	0.0024	0.0025	0.0032	0.0036	0.0038	0.0040	0.0041				
	max =	0.0000	0.0016	0.0024	0.0030	0.0043	0.0049	0.0052	0.0057	0.0060	0.0060				



SUMMARY, Continued

LUXEON Rebel CCT = 4000K, I_F = 0.35A

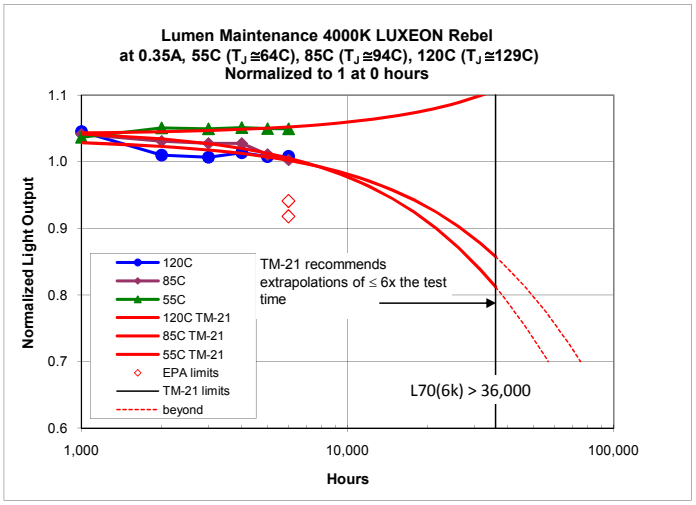
Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 25 $T_S = T_{AIR}$ = 120C	median =	1.0000	1.0211	1.0373	1.0544	1.0433	0.9969	0.9926	1.0005	0.9949	1.0019								
	average =	**1.0000**	**1.0214**	**1.0367**	**1.0523**	**1.0454**	**1.0101**	**1.0067**	**1.0136**	**1.0075**	**1.0083**					5.1911E-06	1.0338	0.444	75,108
	st dev =	0.0000	0.0036	0.0048	0.0116	0.0095	0.0399	0.0416	0.0394	0.0390	0.0406								
	min =	1.0000	1.0140	1.0282	1.0216	1.0280	0.9625	0.9600	0.9679	0.9650	0.9624								
	max =	1.0000	1.0295	1.0459	1.0753	1.0687	1.1228	1.1251	1.1300	1.1247	1.1217								
DATA SET 26 $T_S = T_{AIR}$ = 85C	median =	1.0000	1.0120	1.0268	1.0360	1.0414	1.0384	1.0402	1.0350	1.0193	1.0134								
	average =	**1.0000**	**1.0132**	**1.0273**	**0.9946**	**1.0415**	**1.0310**	**1.0276**	**1.0277**	**1.0108**	**1.0027**					7.1265E-06	1.0493	0.916	56,803
	st dev =	0.0000	0.0073	0.0111	0.2076	0.0130	0.0378	0.0389	0.0410	0.0384	0.0356								
	min =	1.0000	1.0013	1.0089	0.0000	1.0218	0.9185	0.9215	0.9099	0.8967	0.8947								
	max =	1.0000	1.0301	1.0545	1.0669	1.0761	1.0856	1.0826	1.0851	1.0581	1.0435								
DATA SET 27 $T_S = T_{AIR}$ = 55C	median =	1.0000	1.0036	1.0209	1.0303	1.0384	1.0472	1.0475	1.0494	1.0479	1.0467								
	average =	**1.0000**	**1.0038**	**1.0221**	**1.0304**	**1.0367**	**1.0506**	**1.0494**	**1.0512**	**1.0498**	**1.0493**					-1.7052E-06	1.0416	0.364	-233,062
	st dev =	0.0000	0.0056	0.0058	0.0086	0.0090	0.0175	0.0175	0.0172	0.0169	0.0168								
	min =	1.0000	0.9911	1.0119	1.0093	1.0154	1.0198	1.0202	1.0233	1.0249	1.0249								
	max =	1.0000	1.0154	1.0357	1.0441	1.0526	1.0973	1.0992	1.0992	1.0937	1.0909								

TM-21 L_{70}(6k) > 36,000

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 25 $T_S = T_{AIR}$ = 120C	median =	0.0000	0.0007	0.0009	0.0014	0.0015	0.0028	0.0026	0.0025	0.0026	0.0027				
	average =	**0.0000**	**0.0007**	**0.0009**	**0.0014**	**0.0015**	**0.0030**	**0.0027**	**0.0027**	**0.0028**	**0.0029**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0001	0.0007	0.0006	0.0006	0.0006	0.0006				
	min =	0.0000	0.0006	0.0008	0.0011	0.0013	0.0020	0.0019	0.0020	0.0021	0.0019				
	max =	0.0000	0.0008	0.0011	0.0016	0.0018	0.0047	0.0045	0.0047	0.0046	0.0049				
DATA SET 26 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0007	0.0011	0.0013	0.0016	0.0024	0.0024	0.0023	0.0023	0.0023				
	average =	**0.0000**	**0.0007**	**0.0011**	**0.0014**	**0.0016**	**0.0026**	**0.0025**	**0.0024**	**0.0024**	**0.0024**				
	st dev =	0.0000	0.0001	0.0001	0.0002	0.0002	0.0008	0.0008	0.0006	0.0005	0.0004				
	min =	0.0000	0.0005	0.0009	0.0011	0.0014	0.0017	0.0017	0.0018	0.0018	0.0018				
	max =	0.0000	0.0010	0.0014	0.0017	0.0019	0.0054	0.0052	0.0047	0.0044	0.0036				
DATA SET 27 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0005	0.0007	0.0009	0.0009	0.0013	0.0012	0.0013	0.0014	0.0014				
	average =	**0.0000**	**0.0005**	**0.0007**	**0.0009**	**0.0009**	**0.0016**	**0.0015**	**0.0016**	**0.0016**	**0.0017**				
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0002	0.0007	0.0007	0.0007	0.0006	0.0006				
	min =	0.0000	0.0004	0.0005	0.0007	0.0006	0.0011	0.0010	0.0010	0.0011	0.0011				
	max =	0.0000	0.0007	0.0009	0.0010	0.0013	0.0037	0.0034	0.0036	0.0036	0.0035				



SUMMARY, Continued

LUXEON Rebel CCT = 4000K, I_F = 0.7A

Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 28 $T_S = T_{AIR}$ = 105C	median =	1.0000	1.0006	1.0048	1.0075	1.0129	1.0072	0.9948	0.9920	0.9905	0.9831	0.9832							
	average =	**1.0000**	**1.0010**	**1.0047**	**1.0082**	**1.0120**	**1.0080**	**0.9941**	**0.9919**	**0.9884**	**0.9821**	**0.9815**				4.9350E-06	1.0132	0.890	74,930
	st dev =	0.0000	0.0020	0.0028	0.0046	0.0055	0.0080	0.0090	0.0086	0.0096	0.0113	0.0126							
	min =	1.0000	0.9977	1.0004	0.9995	1.0008	0.9894	0.9715	0.9698	0.9630	0.9519	0.9464							
	max =	1.0000	1.0069	1.0124	1.0182	1.0244	1.0205	1.0128	1.0087	1.0036	1.0023	1.0066							
DATA SET 29 $T_S = T_{AIR}$ = 85C	median =	1.0000	0.9952	1.0030	1.0003	1.0017	1.0002	0.9857	0.9854	0.9893	0.9838	0.9738							
	average =	**1.0000**	**0.9899**	**0.9974**	**0.9939**	**0.9945**	**0.9924**	**0.9841**	**0.9818**	**0.9859**	**0.9771**	**0.9714**				3.5583E-06	0.9979	0.806	99,658
	st dev =	0.0000	0.0113	0.0136	0.0153	0.0204	0.0226	0.0256	0.0267	0.0267	0.0261	0.0250							
	min =	1.0000	0.9559	0.9587	0.9505	0.9431	0.9343	0.9292	0.9233	0.9299	0.9225	0.9179							
	max =	1.0000	1.0009	1.0108	1.0092	1.0415	1.0397	1.0480	1.0482	1.0558	1.0443	1.0361							
DATA SET 30 $T_S = T_{AIR}$ = 55C	median =	1.0000	0.9972	1.0053	1.0045	1.0045	0.9930	0.9948	1.0004	0.9941	0.9920								
	average =	**1.0000**	**0.9964**	**1.0040**	**1.0020**	**1.0041**	**0.9930**	**0.9947**	**0.9997**	**0.9933**	**0.9905**					1.7783E-06	1.0021	0.433	201,745
	st dev =	0.0000	0.0043	0.0058	0.0069	0.0101	0.0107	0.0113	0.0110	0.0108	0.0112								
	min =	1.0000	0.9799	0.9803	0.9757	0.9766	0.9655	0.9646	0.9707	0.9607	0.9577								
	max =	1.0000	1.0018	1.0114	1.0110	1.0238	1.0111	1.0146	1.0206	1.0118	1.0102								

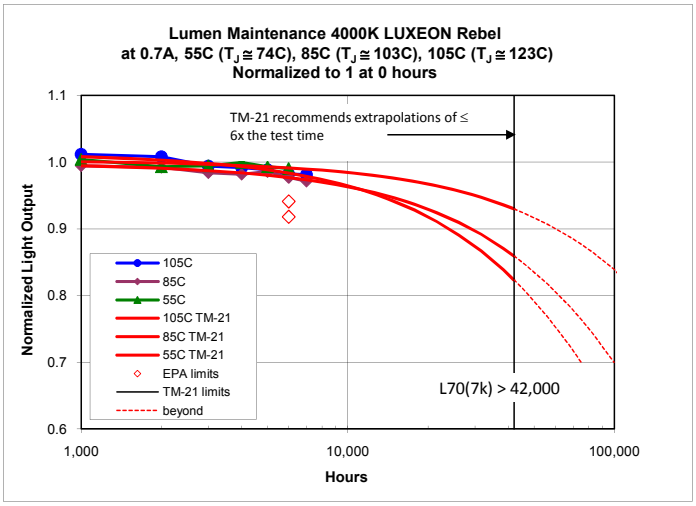
TM-21 L_{70}(7k) > 42,000

TM-21 L_{70}(7k) > 42,000

TM-21 L_{70}(6k) > 36,000

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 28 $T_S = T_{AIR}$ = 105C	median =	0.0000	0.0013	0.0020	0.0024	0.0026	0.0030	0.0033	0.0035	0.0037	0.0041	0.0040			
	average =	**0.0000**	**0.0013**	**0.0020**	**0.0024**	**0.0026**	**0.0031**	**0.0033**	**0.0036**	**0.0038**	**0.0041**	**0.0041**			
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0003	0.0003	0.0004	0.0004			
	min =	0.0000	0.0011	0.0017	0.0021	0.0025	0.0028	0.0030	0.0032	0.0034	0.0035	0.0036			
	max =	0.0000	0.0014	0.0021	0.0025	0.0029	0.0034	0.0037	0.0044	0.0045	0.0052	0.0052			
DATA SET 29 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0014	0.0022	0.0026	0.0028	0.0030	0.0033	0.0035	0.0036	0.0037	0.0037			
	average =	**0.0000**	**0.0016**	**0.0024**	**0.0028**	**0.0030**	**0.0033**	**0.0036**	**0.0038**	**0.0038**	**0.0039**	**0.0039**			
	st dev =	0.0000	0.0004	0.0005	0.0005	0.0005	0.0006	0.0006	0.0006	0.0006	0.0005	0.0005			
	min =	0.0000	0.0013	0.0020	0.0023	0.0025	0.0027	0.0028	0.0030	0.0031	0.0032	0.0033			
	max =	0.0000	0.0027	0.0036	0.0043	0.0045	0.0048	0.0051	0.0052	0.0051	0.0051	0.0050			
DATA SET 30 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0013	0.0021	0.0026	0.0031	0.0035	0.0039	0.0040	0.0041	0.0042				
	average =	**0.0000**	**0.0013**	**0.0021**	**0.0026**	**0.0031**	**0.0035**	**0.0039**	**0.0040**	**0.0042**	**0.0043**				
	st dev =	0.0000	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003				
	min =	0.0000	0.0010	0.0018	0.0024	0.0028	0.0031	0.0036	0.0037	0.0039	0.0040				
	max =	0.0000	0.0017	0.0027	0.0033	0.0038	0.0044	0.0049	0.0049	0.0053	0.0053				



SUMMARY, Continued

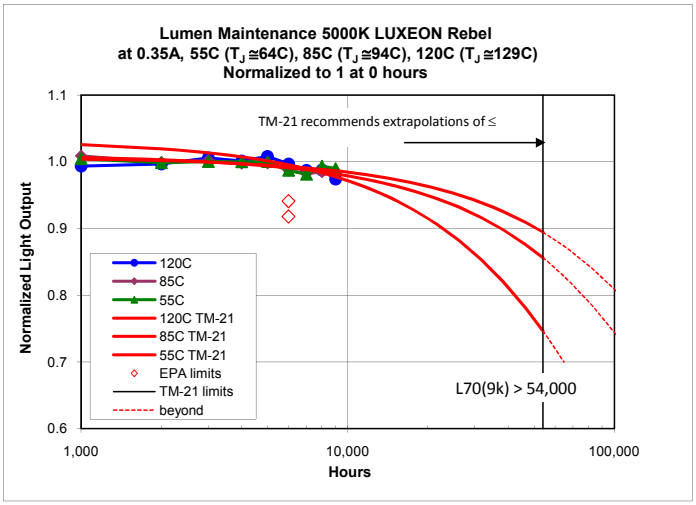
LUXEON Rebel CCT > 5000K, I_F = 0.35A

Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 31 $T_S = T_{AIR}$ = 120C	median =	1.0000	0.9870	0.9942	0.9916	0.9934	0.9965	1.0041	1.0024	1.0084	0.9965	0.9878	0.9863	0.9741					
	average =	**1.0000**	**0.9887**	**0.9960**	**0.9920**	**0.9935**	**0.9966**	**1.0057**	**1.0014**	**1.0081**	**0.9969**	**0.9870**	**0.9877**	**0.9740**		6.0016E-06	1.0319	0.839	64,667
	st dev =	0.0000	0.0056	0.0042	0.0047	0.0051	0.0070	0.0088	0.0126	0.0121	0.0104	0.0118	0.0100	0.0144					
	min =	1.0000	0.9748	0.9895	0.9839	0.9821	0.9829	0.9875	0.9712	0.9756	0.9742	0.9542	0.9671	0.9359					
	max =	1.0000	0.9968	1.0035	1.0014	1.0028	1.0093	1.0214	1.0253	1.0341	1.0212	1.0129	1.0077	1.0005					
																			TM-21 L_{70}(9k) > 54,000
DATA SET 32 $T_S = T_{AIR}$ = 85C	median =	1.0000	0.9990	1.0086	1.0118	1.0080	0.9991	1.0001	0.9963	0.9948	0.9861	0.9805	0.9788	0.9789					
	average =	**1.0000**	**0.9992**	**1.0076**	**1.0121**	**1.0089**	**0.9992**	**1.0018**	**0.9979**	**0.9986**	**0.9874**	**0.9824**	**0.9851**	**0.9859**		3.0491E-06	1.0093	0.663	120,023
	st dev =	0.0000	0.0062	0.0078	0.0092	0.0108	0.0144	0.0159	0.0170	0.0171	0.0208	0.0176	0.0180	0.0187					
	min =	1.0000	0.9858	0.9895	0.9985	0.9936	0.9769	0.9723	0.9687	0.9703	0.9429	0.9450	0.9555	0.9562					
	max =	1.0000	1.0093	1.0223	1.0302	1.0298	1.0236	1.0293	1.0283	1.0297	1.0268	1.0202	1.0190	1.0206					
																			TM-21 L_{70}(9k) > 54,000
DATA SET 33 $T_S = T_{AIR}$ = 55C	median =	1.0000	0.9957	1.0049	1.0058	1.0024	0.9948	0.9953	0.9943	0.9949	0.9819	0.9906	0.9855	0.9829					
	average =	**1.0000**	**0.9970**	**1.0060**	**1.0083**	**1.0045**	**0.9987**	**1.0005**	**0.9999**	**1.0005**	**0.9871**	**0.9812**	**0.9934**	**0.9901**		2.1812E-06	1.0062	0.293	166,349
	st dev =	0.0000	0.0052	0.0064	0.0069	0.0079	0.0110	0.0127	0.0139	0.0156	0.0191	0.0354	0.0207	0.0210					
	min =	1.0000	0.9894	0.9957	0.9980	0.9918	0.9795	0.9783	0.9781	0.9782	0.9597	0.9280	0.9644	0.9649					
	max =	1.0000	1.0071	1.0169	1.0203	1.0190	1.0192	1.0232	1.0275	1.0321	1.0338	1.0371	1.0343	1.0338					
																			TM-21 L_{70}(9k) > 54,000

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 31 $T_S = T_{AIR}$ = 120C	median =	0.0000	0.0003	0.0012	0.0016	0.0019	0.0008	0.0015	0.0007	0.0009	0.0008	0.0010	0.0009	0.0007	
	average =	**0.0000**	**0.0004**	**0.0017**	**0.0023**	**0.0025**	**0.0014**	**0.0020**	**0.0015**	**0.0016**	**0.0015**	**0.0015**	**0.0015**	**0.0017**	
	st dev =	0.0000	0.0002	0.0012	0.0016	0.0015	0.0011	0.0016	0.0013	0.0015	0.0013	0.0012	0.0012	0.0015	
	min =	0.0000	0.0001	0.0001	0.0001	0.0004	0.0001	0.0001	0.0001	0.0000	0.0001	0.0001	0.0001	0.0001	
	max =	0.0000	0.0009	0.0036	0.0047	0.0048	0.0031	0.0042	0.0035	0.0037	0.0035	0.0034	0.0034	0.0040	
DATA SET 32 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0001	0.0004	0.0009	0.0016	0.0005	0.0007	0.0007	0.0007	0.0007	0.0007	0.0011	0.0009	
	average =	**0.0000**	**0.0002**	**0.0004**	**0.0009**	**0.0016**	**0.0006**	**0.0007**	**0.0008**	**0.0008**	**0.0008**	**0.0008**	**0.0010**	**0.0009**	
	st dev =	0.0000	0.0001	0.0002	0.0005	0.0007	0.0004	0.0004	0.0004	0.0003	0.0003	0.0004	0.0005	0.0004	
	min =	0.0000	0.0000	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	
	max =	0.0000	0.0003	0.0007	0.0017	0.0025	0.0019	0.0016	0.0016	0.0015	0.0015	0.0014	0.0018	0.0016	
DATA SET 33 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0001	0.0003	0.0003	0.0004	0.0016	0.0014	0.0014	0.0013	0.0013	0.0014	0.0012	0.0011	
	average =	**0.0000**	**0.0002**	**0.0004**	**0.0004**	**0.0004**	**0.0016**	**0.0014**	**0.0014**	**0.0013**	**0.0015**	**0.0014**	**0.0011**	**0.0011**	
	st dev =	0.0000	0.0001	0.0003	0.0003	0.0003	0.0007	0.0008	0.0008	0.0007	0.0007	0.0009	0.0006	0.0006	
	min =	0.0000	0.0001	0.0000	0.0000	0.0000	0.0003	0.0001	0.0001	0.0001	0.0004	0.0003	0.0001	0.0001	
	max =	0.0000	0.0004	0.0008	0.0009	0.0013	0.0028	0.0030	0.0030	0.0029	0.0029	0.0028	0.0026	0.0024	



SUMMARY, Continued

LUXEON Rebel CCT > 5000K, I_F = 0.7A

Normalized Flux

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	alpha	B	r2	:L70
DATA SET 34 $T_S = T_{AIR}$ = 120C	median =	1.0000	0.9868	1.0091	1.0095	1.0128	0.9927	0.9820	0.9791	0.9753	0.9683	0.9558	0.9498	0.9336					
	average =	**1.0000**	**0.9890**	**1.0091**	**1.0076**	**1.0099**	**0.9902**	**0.9836**	**0.9811**	**0.9748**	**0.9735**	**0.9559**	**0.9492**	**0.9258**		1.1088E-05	1.0316	0.911	34,975
	st dev =	0.0000	0.0148	0.0194	0.0208	0.0221	0.0210	0.0210	0.0222	0.0256	0.0259	0.0337	0.0360	0.0432					
	min =	1.0000	0.9622	0.9716	0.9634	0.9645	0.9506	0.9500	0.9478	0.9250	0.9295	0.8939	0.8807	0.8470					
	max =	1.0000	1.0128	1.0546	1.0525	1.0506	1.0324	1.0237	1.0216	1.0225	1.0208	1.0129	1.0137	1.0038					
DATA SET 35 $T_S = T_{AIR}$ = 85C	median =	1.0000	1.0023	1.0038	1.0027	0.9984	0.9815	0.9812	0.9777	0.9752	0.9715	0.9608	0.9620	0.9574					
	average =	**1.0000**	**1.0039**	**1.0059**	**1.0055**	**0.9986**	**0.9844**	**0.9839**	**0.9794**	**0.9765**	**0.9719**	**0.9615**	**0.9602**	**0.9553**		5.3141E-06	1.0014	0.962	67,386
	st dev =	0.0000	0.0057	0.0089	0.0115	0.0117	0.0126	0.0131	0.0132	0.0133	0.0137	0.0137	0.0160	0.0167					
	min =	1.0000	0.9941	0.9879	0.9846	0.9761	0.9631	0.9606	0.9563	0.9538	0.9441	0.9345	0.9243	0.9144					
	max =	1.0000	1.0133	1.0203	1.0243	1.0178	1.0082	1.0088	1.0045	1.0044	1.0009	0.9914	0.9925	0.9885					
DATA SET 36 $T_S = T_{AIR}$ = 55C	median =	1.0000	1.0025	1.0048	1.0056	1.0005	0.9835	0.9782	0.9722	0.9672	0.9648	0.9571	0.9677	0.9584					
	average =	**1.0000**	**1.0049**	**1.0053**	**1.0066**	**0.9998**	**0.9851**	**0.9804**	**0.9753**	**0.9708**	**0.9687**	**0.9566**	**0.9679**	**0.9602**		2.8372E-06	0.9846	0.548	120,226
	st dev =	0.0000	0.0070	0.0084	0.0091	0.0111	0.0122	0.0145	0.0156	0.0156	0.0158	0.0188	0.0144	0.0153					
	min =	1.0000	0.9952	0.9931	0.9926	0.9744	0.9652	0.9543	0.9467	0.9425	0.9409	0.9186	0.9416	0.9324					
	max =	1.0000	1.0248	1.0285	1.0315	1.0267	1.0182	1.0131	1.0059	0.9985	0.9961	0.9881	0.9920	0.9833					

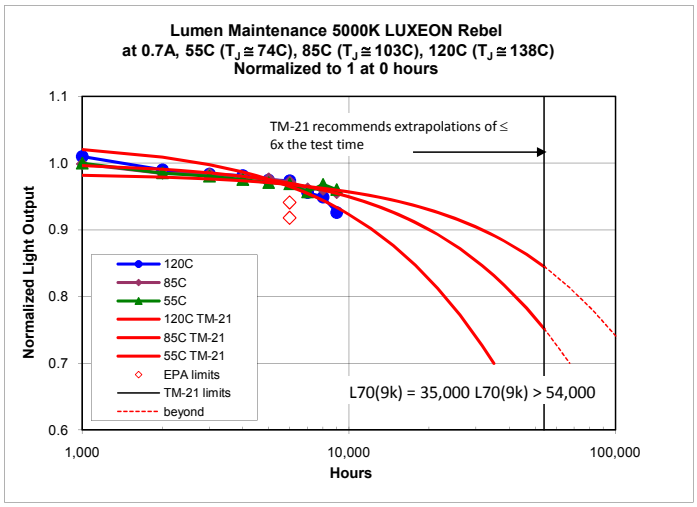
TM-21 L_{70}(9k) > 34,975

TM-21 L_{70}(9k) > 54,000

TM-21 L_{70}(9k) > 54,000

Delta u' v'

		0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 34 $T_S = T_{AIR}$ = 120C	median =	0.0000	0.0014	0.0005	0.0006	0.0006	0.0006	0.0010	0.0010	0.0006	0.0009	0.0022	0.0022	0.0046	
	average =	**0.0000**	**0.0014**	**0.0008**	**0.0007**	**0.0007**	**0.0008**	**0.0011**	**0.0011**	**0.0008**	**0.0009**	**0.0021**	**0.0024**	**0.0047**	
	st dev =	0.0000	0.0005	0.0006	0.0005	0.0004	0.0006	0.0006	0.0006	0.0005	0.0006	0.0012	0.0013	0.0015	
	min =	0.0000	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	0.0004	0.0000	0.0001	0.0003	0.0005	0.0013	
	max =	0.0000	0.0021	0.0018	0.0016	0.0015	0.0021	0.0027	0.0026	0.0020	0.0025	0.0053	0.0060	0.0082	
DATA SET 35 $T_S = T_{AIR}$ = 85C	median =	0.0000	0.0003	0.0015	0.0020	0.0023	0.0006	0.0014	0.0018	0.0019	0.0021	0.0023	0.0025	0.0024	
	average =	**0.0000**	**0.0004**	**0.0012**	**0.0016**	**0.0019**	**0.0007**	**0.0014**	**0.0017**	**0.0019**	**0.0021**	**0.0024**	**0.0026**	**0.0025**	
	st dev =	0.0000	0.0003	0.0009	0.0011	0.0011	0.0006	0.0008	0.0009	0.0009	0.0010	0.0011	0.0010	0.0010	
	min =	0.0000	0.0001	0.0000	0.0001	0.0003	0.0001	0.0004	0.0003	0.0005	0.0006	0.0009	0.0012	0.0011	
	max =	0.0000	0.0010	0.0022	0.0028	0.0033	0.0031	0.0041	0.0046	0.0051	0.0057	0.0063	0.0064	0.0064	
DATA SET 36 $T_S = T_{AIR}$ = 55C	median =	0.0000	0.0003	0.0004	0.0005	0.0006	0.0015	0.0012	0.0013	0.0013	0.0013	0.0011	0.0011	0.0009	
	average =	**0.0000**	**0.0004**	**0.0004**	**0.0005**	**0.0006**	**0.0017**	**0.0014**	**0.0013**	**0.0013**	**0.0013**	**0.0012**	**0.0012**	**0.0011**	
	st dev =	0.0000	0.0003	0.0003	0.0003	0.0004	0.0012	0.0010	0.0008	0.0007	0.0007	0.0007	0.0007	0.0006	
	min =	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0002	0.0004	0.0003	
	max =	0.0000	0.0014	0.0013	0.0011	0.0016	0.0043	0.0038	0.0027	0.0025	0.0025	0.0024	0.0024	0.0022	



$T_S = T_{AIR} = 55°C$, $I_F = 0.35A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	% at 6khours
DATA SET 3: CCT = 2650K, T_J = 64C	A11	2606	66.586	65.996	65.455	65.232	65.139	65.075	66.300	66.039	65.759	66.310					**99.6**
	A12	2606	69.977	69.324	68.556	68.391	68.139	68.159	69.213	69.049	68.585	69.237					**98.9**
	A13	2556	68.812	68.460	67.831	67.691	67.493	67.420	68.622	68.346	68.018	68.738					**99.9**
	A14	2553	67.326	66.564	66.017	65.767	65.672	65.562	66.502	66.267	65.976	66.590					**98.9**
	A15	2549	68.099	67.451	66.918	66.700	66.398	66.262	67.092	66.960	66.502	67.212					**98.7**
	A16	2582	65.581	64.770	64.589	64.282	64.094	64.013	65.077	65.001	64.628	65.290					**99.6**
	A17	2626	68.012	67.385	67.221	66.941	66.609	66.472	67.602	67.412	67.113	67.756					**99.6**
	A18	2525	69.631	68.821	68.246	67.933	67.687	67.646	68.742	68.335	68.077	68.748					**98.7**
	A19	2629	70.396	69.427	68.578	68.059	68.094	67.994	69.475	69.372	68.965	69.589					**98.9**
	A20	2571	70.343	69.646	69.041	68.729	68.498	68.053	69.382	69.078	68.673	69.443					**98.7**
	A31	2528	66.858	65.899	65.670	65.368	65.093	65.298	66.085	66.065	65.762	66.287					**99.1**
	A32	2602	68.335	67.676	67.234	66.985	66.691	66.709	67.696	67.522	67.254	67.802					**99.2**
	A33	2549	62.690	62.003	61.755	61.638	61.460	61.458	62.238	61.874	61.580	62.206					**99.2**
	A34	2577	63.831	63.158	62.863	62.675	62.432	62.397	63.506	63.226	62.881	63.407					**99.3**
	A35	2598	63.892	63.094	62.885	62.746	62.521	62.456	62.997	62.935	62.379	63.213					**98.9**
	A36	2615	70.071	69.140	68.752	68.471	68.128	67.968	69.179	68.965	68.404	69.199					**98.8**
	A37	2582	67.783	67.062	66.751	66.354	66.006	65.655	66.863	66.679	66.395	67.003					**98.8**
	A38	2563	67.867	67.228	66.741	66.389	65.991	65.848	67.059	66.844	66.613	67.323					**99.2**
	A39	2566	65.458	64.766	64.486	64.206	63.978	63.926	64.778	64.343	64.028	64.665					**98.8**
	A40	2578	66.369	65.965	65.639	65.431	65.162	65.055	65.888	65.439	65.111	65.597					**98.8**
	A51	2603	69.365	69.086	68.841	68.658	68.297	68.370	69.568	69.400	69.141	69.726					**100.5**
	A52	2614	70.367	70.166	71.098	70.859	70.386	70.173	70.522	70.587	70.355	70.931					**100.8**
	A53	2631	66.597	66.147	65.844	66.168	65.847	65.694	66.421	66.280	65.910	66.559					**99.9**
	A54	2608	59.383	59.142	58.916	59.251	59.053	58.940	59.867	59.700	59.414	60.091					**101.2**
	A55	2609	68.244	67.737	67.522	67.134	66.881	66.717	67.784	67.584	67.261	67.685					**99.2**
	ave	**2585**															**99.3**
DATA SET 12: CCT = 3000K, T_J = 64C	A1	2894	68.565	68.018	67.783	67.688	67.514	67.466	68.448	68.383	68.038	68.651					**100.1**
	A2	2901	68.794	68.257	68.066	67.907	67.823	67.731	68.672	68.445	68.204	68.728					**99.9**
	A3	2964	72.724	72.286	71.929	71.732	71.598	71.532	72.629	72.333	72.072	72.557					**99.8**
	A4	2946	73.250	72.991	72.675	72.412	72.185	72.025	73.184	73.004	72.616	73.089					**99.8**
	A5	2960	71.242	70.555	70.248	70.037	69.855	69.715	70.860	70.693	70.409	70.992					**99.6**
	A6	2957	72.411	72.038	71.687	71.496	71.359	71.264	72.402	72.156	71.917	72.427					**100.0**
	A7	2855	70.530	70.208	69.775	69.722	69.580	69.544	70.468	70.204	70.013	70.418					**99.8**
	A8	2888	69.999	69.471	69.162	68.839	68.716	68.701	69.826	69.571	69.400	69.919					**99.9**
	A9	2949	74.496	74.284	73.851	73.389	73.184	73.190	74.340	73.999	73.859	74.456					**99.9**
	A10	2940	73.904	73.576	73.175	72.993	72.785	68.811	73.368	73.309	73.065	73.566					**99.5**
	A21	2966	71.990	71.405	70.920	70.888	70.684	70.611	71.568	71.352	71.200	71.856					**99.8**
	A22	2913	70.926	70.245	69.995	70.273	70.080	70.138	71.026	70.860	70.723	71.362					**100.6**
	A23	2875	69.314	68.467	68.114	68.051	67.882	67.961	69.136	68.971	68.850	69.379					**100.1**
	A24	2982	75.901	75.533	75.173	74.925	74.699	74.608	75.582	75.503	75.277	75.859					**99.9**
	A25	3003	70.754	70.186	69.852	69.581	69.310	69.184	70.035	69.893	69.745	70.402					**99.5**
	A26	2981	72.162	71.823	71.712	71.629	71.516	71.625	72.655	72.504	72.316	72.997					**101.2**
	A27	2985	74.393	73.788	73.610	73.443	73.282	73.311	74.265	73.924	73.700	74.416					**100.0**
	A28	2966	73.902	73.434	73.234	72.894	72.721	72.697	73.617	73.304	72.968	73.728					**99.8**
	A29	2876	73.709	73.434	73.199	72.896	72.675	72.560	73.517	73.259	72.934	73.690					**100.0**
	A30	2999	73.252	72.657	72.389	72.123	71.884	71.800	72.893	72.641	72.221	72.939					**99.6**
	A41	3003	75.817	75.197	74.947	74.713	74.482	74.450	75.549	75.188	74.554	75.208					**99.2**
	A42	2972	74.529	73.820	73.643	73.369	73.115	73.067	74.448	74.172	73.647	74.278					**99.7**
	A43	2997	75.927	75.135	74.861	74.614	74.465	74.587	75.795	75.394	75.043	75.828					**99.9**
	A44	3028	77.101	76.465	76.290	76.086	75.829	75.752	77.053	76.748	76.344	77.088					**100.0**
	A45	3003	77.371	76.738	76.469	76.143	75.888	75.788	76.626	76.327	75.991	76.643					**99.1**
	ave	**2952**															**99.9**
DATA SET 21: CCT = 3500K, T_J = 69C	A1	3310	66.089	68.939	68.643	69.798	69.753	79.650	79.212	79.315	79.159	79.082					**119.7**
	A2	3301	66.622	69.120	68.726	69.891	69.692	73.782	73.388	73.470	73.213	73.043					**109.6**
	A3	3277	67.652	69.742	69.305	70.531	70.572	68.727	68.272	68.344	68.090	67.933					**100.4**
	A4	3384	68.450	70.655	70.232	71.453	71.416	66.035	65.422	65.305	65.017	64.849					**94.7**
	A5	3361	67.829	70.294	69.749	70.844	70.698	68.640	68.024	67.964	67.612	67.465					**99.5**
	A6	3723	67.604	68.811	67.338	69.899	69.816	68.107	68.558	68.174	67.987	67.650					**100.1**
	A7	3473	67.712	70.063	69.552	70.813	70.663	66.895	66.393	66.105	65.804	65.702					**97.0**
	A8	3475	68.385	70.421	70.083	71.188	71.293	68.584	67.894	67.566	67.202	67.046					**98.0**
	A9	3488	68.173	70.222	69.838	71.025	71.111	68.773	68.127	67.873	67.574	67.450					**98.9**
	A10	3518	67.630	69.904	69.453	70.784	70.865	79.671	78.991	78.667	78.229	78.075					**115.4**
	A11	3504	65.547	67.912	67.437	68.587	68.602	70.188	69.989	70.301	70.054	69.981					**106.8**
	A12	3484	67.304	69.575	69.224	70.386	70.455	70.087	69.857	70.132	70.009	69.906					**103.9**
	A13	3496	68.368	70.975	70.467	71.186	71.137	70.573	70.373	70.749	70.666	70.369					**102.9**
	A14	3488	67.566	69.825	69.162	70.233	70.214	69.873	69.623	69.837	69.590	69.477					**102.8**
	A15	3528	68.586	70.240	69.965	71.285	71.293	75.948	75.571	75.550	75.199	75.061					**109.4**
	A16	3233	64.944	68.778	68.205	69.655	69.654	68.904	68.830	68.873	68.625	68.510					**105.5**
	A17	3271	66.718	68.948	68.723	70.103	70.083	69.559	69.330	69.558	69.280	69.210					**103.7**
	A18	3384	68.567	70.961	70.248	71.349	71.393	70.500	70.347	70.634	70.456	70.249					**102.5**
	A19	3354	68.532	71.120	70.480	71.756	71.869	71.557	71.420	71.703	71.455	71.386					**104.2**
	A20	3374	66.635	69.185	68.888	70.079	70.101	73.689	73.469	73.535	73.495	73.379					**110.1**
	A21	3291	66.300	69.206	69.577	69.898	69.886	70.853	70.631	70.827	70.542	70.390					**106.2**
	A22	3288	67.608	70.366	69.977	71.344	71.225	71.001	70.705	70.894	70.702	70.622					**104.5**
	A23	3249	66.292	68.723	68.384	69.535	69.437	68.750	68.782	68.864	68.627	68.528					**103.4**
	A24	3450	69.674	71.708	71.292	72.419	72.365	72.803	72.602	73.161	72.985	72.942					**104.7**
	A25	3375	69.288	71.242	70.734	71.858	71.712	74.126	73.912	74.572	74.722	74.653					**107.7**
	ave	**3403**															**104.5**

$T_S = T_{AIR} = 55°C$, $I_F = 0.35A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

			Normalized flux													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 3: CCT = 2650K, T_J = 64C	A11	2606	1.0000	0.9911	0.9830	0.9797	0.9783	0.9773	0.9957	0.9918	0.9876	0.9959				
	A12	2606	1.0000	0.9907	0.9797	0.9773	0.9737	0.9740	0.9891	0.9867	0.9801	0.9894				
	A13	2556	1.0000	0.9949	0.9858	0.9837	0.9808	0.9798	0.9972	0.9932	0.9885	0.9989				
	A14	2553	1.0000	0.9887	0.9806	0.9768	0.9754	0.9738	0.9878	0.9843	0.9799	0.9891				
	A15	2549	1.0000	0.9905	0.9827	0.9795	0.9750	0.9730	0.9852	0.9833	0.9766	0.9870				
	A16	2582	1.0000	0.9876	0.9849	0.9802	0.9773	0.9761	0.9923	0.9911	0.9855	0.9956				
	A17	2626	1.0000	0.9908	0.9884	0.9843	0.9794	0.9774	0.9940	0.9912	0.9868	0.9962				
	A18	2525	1.0000	0.9884	0.9801	0.9756	0.9721	0.9715	0.9872	0.9814	0.9777	0.9873				
	A19	2629	1.0000	0.9862	0.9742	0.9668	0.9673	0.9659	0.9869	0.9855	0.9797	0.9885				
	A20	2571	1.0000	0.9901	0.9815	0.9771	0.9738	0.9674	0.9863	0.9820	0.9763	0.9872				
	A31	2528	1.0000	0.9857	0.9822	0.9777	0.9736	0.9767	0.9884	0.9881	0.9836	0.9915				
	A32	2602	1.0000	0.9904	0.9839	0.9802	0.9759	0.9762	0.9906	0.9881	0.9842	0.9922				
	A33	2549	1.0000	0.9890	0.9851	0.9832	0.9804	0.9804	0.9928	0.9870	0.9823	0.9923				
	A34	2577	1.0000	0.9895	0.9848	0.9819	0.9781	0.9775	0.9949	0.9905	0.9851	0.9934				
	A35	2598	1.0000	0.9875	0.9842	0.9821	0.9785	0.9775	0.9860	0.9850	0.9763	0.9894				
	A36	2615	1.0000	0.9867	0.9812	0.9772	0.9723	0.9700	0.9873	0.9842	0.9762	0.9876				
	A37	2582	1.0000	0.9894	0.9848	0.9789	0.9738	0.9686	0.9864	0.9837	0.9795	0.9885				
	A38	2563	1.0000	0.9906	0.9834	0.9782	0.9724	0.9702	0.9881	0.9849	0.9815	0.9920				
	A39	2566	1.0000	0.9894	0.9852	0.9809	0.9774	0.9766	0.9896	0.9830	0.9782	0.9879				
	A40	2578	1.0000	0.9939	0.9890	0.9859	0.9818	0.9802	0.9928	0.9860	0.9810	0.9884				
	A51	2603	1.0000	0.9960	0.9924	0.9898	0.9846	0.9857	1.0029	1.0005	0.9968	1.0052				
	A52	2614	1.0000	0.9971	1.0104	1.0070	1.0003	0.9972	1.0022	1.0031	0.9998	1.0080				
	A53	2631	1.0000	0.9933	0.9887	0.9936	0.9887	0.9865	0.9974	0.9953	0.9897	0.9994				
	A54	2608	1.0000	0.9959	0.9921	0.9978	0.9945	0.9925	1.0082	1.0053	1.0005	1.0119				
	A55	2609	1.0000	0.9926	0.9894	0.9837	0.9800	0.9776	0.9933	0.9903	0.9856	0.9918				
	ave	**2585**	**1.0000**	**0.9906**	**0.9855**	**0.9824**	**0.9786**	**0.9772**	**0.9921**	**0.9890**	**0.9840**	**0.9934**				
DATA SET 12: CCT = 3000K, T_J = 64C	A1	2894	1.0000	0.9920	0.9886	0.9872	0.9847	0.9840	0.9983	0.9973	0.9923	1.0012				
	A2	2901	1.0000	0.9922	0.9894	0.9871	0.9859	0.9845	0.9982	0.9949	0.9914	0.9990				
	A3	2964	1.0000	0.9940	0.9891	0.9864	0.9845	0.9836	0.9987	0.9946	0.9910	0.9977				
	A4	2946	1.0000	0.9965	0.9922	0.9886	0.9855	0.9833	0.9991	0.9966	0.9913	0.9978				
	A5	2960	1.0000	0.9904	0.9860	0.9831	0.9805	0.9786	0.9946	0.9923	0.9883	0.9965				
	A6	2957	1.0000	0.9948	0.9900	0.9874	0.9855	0.9841	0.9999	0.9965	0.9932	1.0002				
	A7	2855	1.0000	0.9954	0.9893	0.9886	0.9865	0.9860	0.9991	0.9954	0.9927	0.9984				
	A8	2888	1.0000	0.9925	0.9880	0.9834	0.9817	0.9815	0.9975	0.9939	0.9914	0.9989				
	A9	2949	1.0000	0.9972	0.9913	0.9852	0.9824	0.9825	0.9979	0.9933	0.9915	0.9995				
	A10	2940	1.0000	0.9956	0.9901	0.9877	0.9849	0.9311	0.9927	0.9919	0.9886	0.9954				
	A21	2966	1.0000	0.9919	0.9851	0.9847	0.9819	0.9808	0.9941	0.9911	0.9890	0.9981				
	A22	2913	1.0000	0.9904	0.9869	0.9908	0.9881	0.9889	1.0014	0.9991	0.9971	1.0061				
	A23	2875	1.0000	0.9878	0.9827	0.9818	0.9793	0.9805	0.9974	0.9951	0.9933	1.0009				
	A24	2982	1.0000	0.9952	0.9904	0.9871	0.9842	0.9830	0.9958	0.9948	0.9918	0.9994				
	A25	3003	1.0000	0.9920	0.9873	0.9834	0.9796	0.9778	0.9898	0.9878	0.9857	0.9950				
	A26	2981	1.0000	0.9953	0.9938	0.9926	0.9910	0.9926	1.0068	1.0047	1.0021	1.0116				
	A27	2985	1.0000	0.9919	0.9895	0.9872	0.9851	0.9855	0.9983	0.9937	0.9907	1.0003				
	A28	2966	1.0000	0.9937	0.9910	0.9864	0.9840	0.9837	0.9961	0.9919	0.9874	0.9976				
	A29	2876	1.0000	0.9963	0.9931	0.9890	0.9860	0.9844	0.9974	0.9939	0.9895	0.9997				
	A30	2999	1.0000	0.9919	0.9882	0.9846	0.9813	0.9802	0.9951	0.9917	0.9859	0.9957				
	A41	3003	1.0000	0.9918	0.9885	0.9854	0.9824	0.9820	0.9965	0.9917	0.9833	0.9920				
	A42	2972	1.0000	0.9905	0.9881	0.9844	0.9810	0.9804	0.9989	0.9952	0.9882	0.9966				
	A43	2997	1.0000	0.9896	0.9860	0.9827	0.9807	0.9823	0.9983	0.9930	0.9884	0.9987				
	A44	3028	1.0000	0.9917	0.9895	0.9868	0.9835	0.9825	0.9994	0.9954	0.9902	0.9998				
	A45	3003	1.0000	0.9918	0.9883	0.9841	0.9808	0.9795	0.9904	0.9865	0.9822	0.9906				
	ave	**2952**	**1.0000**	**0.9929**	**0.9889**	**0.9862**	**0.9836**	**0.9809**	**0.9973**	**0.9941**	**0.9903**	**0.9987**				
DATA SET 21: CCT = 3500K, T_J = 69C	A1	3310	1.0000	1.0431	1.0387	1.0561	1.0555	1.2052	1.1986	1.2001	1.1978	1.1966				
	A2	3301	1.0000	1.0375	1.0316	1.0491	1.0461	1.1075	1.1016	1.1028	1.0989	1.0964				
	A3	3277	1.0000	1.0309	1.0244	1.0426	1.0432	1.0159	1.0092	1.0102	1.0065	1.0042				
	A4	3384	1.0000	1.0322	1.0260	1.0439	1.0433	0.9647	0.9558	0.9541	0.9498	0.9474				
	A5	3361	1.0000	1.0363	1.0283	1.0444	1.0423	1.0119	1.0029	1.0020	0.9968	0.9946				
	A6	3723	1.0000	1.0179	0.9961	1.0340	1.0327	1.0075	1.0141	1.0084	1.0057	1.0007				
	A7	3473	1.0000	1.0347	1.0272	1.0458	1.0436	0.9879	0.9805	0.9763	0.9718	0.9703				
	A8	3475	1.0000	1.0298	1.0248	1.0410	1.0425	1.0029	0.9928	0.9880	0.9827	0.9804				
	A9	3488	1.0000	1.0301	1.0244	1.0418	1.0431	1.0088	0.9993	0.9956	0.9912	0.9894				
	A10	3518	1.0000	1.0336	1.0270	1.0466	1.0478	1.1781	1.1680	1.1632	1.1567	1.1544				
	A11	3504	1.0000	1.0361	1.0288	1.0464	1.0466	1.0708	1.0678	1.0725	1.0688	1.0676				
	A12	3484	1.0000	1.0337	1.0285	1.0458	1.0468	1.0414	1.0379	1.0420	1.0402	1.0387				
	A13	3496	1.0000	1.0381	1.0307	1.0412	1.0405	1.0322	1.0293	1.0348	1.0336	1.0293				
	A14	3488	1.0000	1.0334	1.0236	1.0395	1.0392	1.0341	1.0304	1.0336	1.0299	1.0283				
	A15	3528	1.0000	1.0241	1.0201	1.0393	1.0395	1.1073	1.1018	1.1015	1.0964	1.0944				
	A16	3233	1.0000	1.0590	1.0502	1.0725	1.0725	1.0610	1.0598	1.0605	1.0567	1.0549				
	A17	3271	1.0000	1.0334	1.0301	1.0507	1.0504	1.0426	1.0392	1.0426	1.0384	1.0374				
	A18	3384	1.0000	1.0349	1.0245	1.0406	1.0412	1.0282	1.0260	1.0302	1.0275	1.0245				
	A19	3354	1.0000	1.0378	1.0284	1.0470	1.0487	1.0441	1.0421	1.0463	1.0427	1.0416				
	A20	3374	1.0000	1.0383	1.0338	1.0517	1.0520	1.1059	1.1026	1.1036	1.1029	1.1012				
	A21	3291	1.0000	1.0438	1.0494	1.0543	1.0541	1.0687	1.0653	1.0683	1.0640	1.0617				
	A22	3288	1.0000	1.0408	1.0350	1.0553	1.0535	1.0502	1.0458	1.0486	1.0458	1.0446				
	A23	3249	1.0000	1.0367	1.0316	1.0489	1.0474	1.0371	1.0376	1.0388	1.0352	1.0337				
	A24	3450	1.0000	1.0292	1.0232	1.0394	1.0386	1.0449	1.0420	1.0501	1.0475	1.0469				
	A25	3375	1.0000	1.0282	1.0209	1.0371	1.0350	1.0698	1.0667	1.0763	1.0784	1.0774				
	ave	**3403**	**1.0000**	**1.0349**	**1.0283**	**1.0462**	**1.0458**	**1.0531**	**1.0487**	**1.0500**	**1.0466**	**1.0447**				

$T_S = T_{AIR} = 55°C$, $I_F = 0.35A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 3: CCT = 2650K, T_J = 64C	A11	2606	-3.3290E-06	0.9763	0.548	-99,932
	A12	2606	-2.7486E-06	0.9728	0.484	-119,716
	A13	2556	-3.2515E-06	0.9785	0.543	-103,015
	A14	2553	-2.4211E-06	0.9734	0.488	-136,189
	A15	2549	-1.9941E-06	0.9732	0.389	-165,234
	A16	2582	-3.4283E-06	0.9745	0.603	-96,509
	A17	2626	-3.1805E-06	0.9765	0.572	-104,672
	A18	2525	-2.5974E-06	0.9706	0.459	-125,851
	A19	2629	-4.2772E-06	0.9644	0.605	-74,908
	A20	2571	-2.6101E-06	0.9699	0.382	-124,946
	A31	2528	-3.1946E-06	0.9727	0.679	-102,984
	A32	2602	-2.9851E-06	0.9743	0.598	-110,760
	A33	2549	-1.7258E-06	0.9799	0.310	-194,904
	A34	2577	-2.7492E-06	0.9771	0.448	-121,319
	A35	2598	-1.4392E-06	0.9772	0.244	-231,798
	A36	2615	-2.6868E-06	0.9704	0.402	-121,562
	A37	2582	-3.0259E-06	0.9697	0.518	-107,720
	A38	2563	-3.7545E-06	0.9687	0.632	-86,521
	A39	2566	-1.4689E-06	0.9771	0.230	-227,018
	A40	2578	-8.2791E-07	0.9822	0.096	-409,080
	A51	2603	-3.8495E-06	0.9826	0.656	-88,092
	A52	2614	-1.3497E-06	0.9971	0.475	-262,065
	A53	2631	-1.7572E-06	0.9867	0.388	-195,374
	A54	2608	-3.0955E-06	0.9913	0.568	-112,411
	A55	2609	-2.3189E-06	0.9784	0.435	-144,416
	ave	**2585**	**-2.6419E-06**	**0.9766**	**0.501**	**-126,051**
DATA SET 12: CCT = 3000K, T_J = 64C	A1	2894	-3.0821E-06	0.9823	0.614	-109,929
	A2	2901	-2.3968E-06	0.9840	0.522	-142,102
	A3	2964	-2.4286E-06	0.9833	0.480	-139,925
	A4	2946	-2.4072E-06	0.9839	0.444	-141,439
	A5	2960	-3.0894E-06	0.9778	0.585	-108,189
	A6	2957	-2.8052E-06	0.9835	0.551	-121,216
	A7	2855	-2.1798E-06	0.9855	0.502	-156,913
	A8	2888	-3.2414E-06	0.9796	0.620	-103,678
	A9	2949	-3.1106E-06	0.9804	0.611	-108,309
	A10	2940	-6.6440E-06	0.9580	0.236	-47,222
	A21	2966	-2.9753E-06	0.9789	0.653	-112,719
	A22	2913	-3.2359E-06	0.9855	0.720	-105,723
	A23	2875	-4.1624E-06	0.9767	0.726	-80,031
	A24	2982	-2.9385E-06	0.9813	0.676	-114,963
	A25	3003	-2.8685E-06	0.9761	0.674	-115,914
	A26	2981	-3.6926E-06	0.9886	0.724	-93,486
	A27	2985	-2.5166E-06	0.9835	0.536	-135,133
	A28	2966	-2.1611E-06	0.9827	0.440	-156,949
	A29	2876	-2.3215E-06	0.9838	0.482	-146,593
	A30	2999	-2.4834E-06	0.9797	0.452	-135,383
	A41	3003	-1.3704E-06	0.9832	0.168	-247,928
	A42	2972	-2.8247E-06	0.9803	0.418	-119,222
	A43	2997	-2.9631E-06	0.9800	0.503	-113,551
	A44	3028	-2.9065E-06	0.9817	0.496	-116,379
	A45	3003	-1.5314E-06	0.9797	0.339	-219,525
	ave	**2952**	**-2.8896E-06**	**0.9808**	**0.542**	**-116,734**
DATA SET 21: CCT = 3500K, T_J = 69C	A1	3310	-1.7439E-05	1.1048	0.389	-26,168
	A2	3301	-6.0755E-06	1.0690	0.284	-69,694
	A3	3277	6.2126E-06	1.0371	0.681	63,270
	A4	3384	1.5164E-05	1.0214	0.590	24,919
	A5	3361	8.0041E-06	1.0369	0.748	49,093
	A6	3723	4.8126E-06	1.0286	0.662	79,981
	A7	3473	1.1934E-05	1.0302	0.657	32,383
	A8	3475	1.0657E-05	1.0359	0.761	36,782
	A9	3488	9.1667E-06	1.0372	0.753	42,890
	A10	3518	-1.2158E-05	1.0962	0.273	-36,890
	A11	3504	-2.8064E-06	1.0552	0.340	-146,249
	A12	3484	1.0992E-06	1.0452	0.457	364,679
	A13	3496	1.2850E-06	1.0379	0.354	306,541
	A14	3488	1.7671E-06	1.0390	0.758	223,486
	A15	3528	-6.4996E-06	1.0654	0.266	-64,623
	A16	3233	2.6971E-06	1.0709	0.758	157,655
	A17	3271	2.0418E-06	1.0492	0.696	198,217
	A18	3384	2.2444E-06	1.0377	0.522	175,410
	A19	3354	9.7163E-07	1.0478	0.480	415,156
	A20	3374	-6.3290E-06	1.0705	0.371	-67,125
	A21	3291	-7.2692E-07	1.0610	0.072	-572,063
	A22	3288	1.5004E-06	1.0536	0.763	272,518
	A23	3249	2.0000E-06	1.0456	0.654	200,629
	A24	3450	-1.5662E-06	1.0393	0.551	-252,332
	A25	3375	-6.6824E-06	1.0425	0.641	-59,604
	ave	**3403**	**6.5656E-07**	**1.0506**	**0.171**	**618,395**

$T_S = T_{AIR} = 55°C$, $I_F = 0.35A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

u'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 3: CCT = 2650K, T_J = 64C	A11	2606	0.2663	0.2650	0.2644	0.2641	0.2636	0.2632	0.2628	0.2626	0.2625	0.2623				
	A12	2606	0.2673	0.2660	0.2653	0.2650	0.2646	0.2642	0.2637	0.2635	0.2634	0.2632				
	A13	2556	0.2697	0.2684	0.2678	0.2675	0.2671	0.2667	0.2661	0.2659	0.2657	0.2655				
	A14	2553	0.2696	0.2682	0.2676	0.2673	0.2669	0.2665	0.2660	0.2657	0.2655	0.2653				
	A15	2549	0.2699	0.2686	0.2679	0.2676	0.2672	0.2668	0.2663	0.2661	0.2659	0.2657				
	A16	2582	0.2678	0.2664	0.2658	0.2654	0.2651	0.2648	0.2642	0.2639	0.2638	0.2636				
	A17	2626	0.2658	0.2644	0.2638	0.2634	0.2631	0.2628	0.2622	0.2619	0.2618	0.2616				
	A18	2525	0.2712	0.2699	0.2692	0.2689	0.2685	0.2680	0.2675	0.2674	0.2673	0.2671				
	A19	2629	0.2654	0.2641	0.2635	0.2631	0.2628	0.2624	0.2617	0.2615	0.2614	0.2612				
	A20	2571	0.2687	0.2674	0.2668	0.2664	0.2660	0.2656	0.2650	0.2649	0.2648	0.2646				
	A31	2528	0.2707	0.2694	0.2687	0.2684	0.2680	0.2676	0.2671	0.2667	0.2666	0.2663				
	A32	2602	0.2667	0.2654	0.2648	0.2645	0.2641	0.2637	0.2631	0.2628	0.2627	0.2625				
	A33	2549	0.2696	0.2682	0.2676	0.2673	0.2669	0.2665	0.2660	0.2658	0.2657	0.2655				
	A34	2577	0.2681	0.2667	0.2662	0.2658	0.2654	0.2651	0.2646	0.2643	0.2641	0.2639				
	A35	2598	0.2669	0.2656	0.2650	0.2646	0.2643	0.2638	0.2634	0.2631	0.2630	0.2627				
	A36	2615	0.2661	0.2649	0.2643	0.2639	0.2635	0.2631	0.2627	0.2623	0.2622	0.2620				
	A37	2582	0.2677	0.2662	0.2657	0.2655	0.2651	0.2649	0.2641	0.2637	0.2634	0.2632				
	A38	2563	0.2687	0.2673	0.2668	0.2665	0.2662	0.2659	0.2653	0.2648	0.2646	0.2643				
	A39	2566	0.2687	0.2674	0.2668	0.2664	0.2660	0.2656	0.2652	0.2650	0.2648	0.2646				
	A40	2578	0.2682	0.2669	0.2663	0.2659	0.2655	0.2651	0.2647	0.2645	0.2644	0.2641				
	A51	2603	0.2674	0.2661	0.2665	0.2661	0.2656	0.2648	0.2639	0.2636	0.2635	0.2633				
	A52	2614	0.2664	0.2651	0.2644	0.2640	0.2636	0.2632	0.2628	0.2624	0.2622	0.2620				
	A53	2631	0.2659	0.2647	0.2641	0.2637	0.2633	0.2629	0.2624	0.2621	0.2620	0.2618				
	A54	2608	0.2668	0.2655	0.2649	0.2646	0.2642	0.2638	0.2633	0.2630	0.2628	0.2625				
	A55	2609	0.2666	0.2653	0.2647	0.2643	0.2639	0.2635	0.2631	0.2628	0.2626	0.2623				
	ave	**2585**														
DATA SET 12: CCT = 3000K, T_J = 64C	A1	2894	0.2543	0.2534	0.2530	0.2528	0.2526	0.2523	0.2520	0.2518	0.2515	0.2514				
	A2	2901	0.2541	0.2532	0.2528	0.2526	0.2523	0.2521	0.2518	0.2515	0.2514	0.2513				
	A3	2964	0.2514	0.2504	0.2500	0.2498	0.2495	0.2493	0.2489	0.2488	0.2486	0.2486				
	A4	2946	0.2520	0.2511	0.2506	0.2505	0.2502	0.2500	0.2495	0.2493	0.2492	0.2491				
	A5	2960	0.2513	0.2503	0.2500	0.2497	0.2495	0.2493	0.2489	0.2487	0.2486	0.2485				
	A6	2957	0.2515	0.2505	0.2501	0.2499	0.2497	0.2495	0.2490	0.2489	0.2487	0.2486				
	A7	2855	0.2560	0.2551	0.2547	0.2545	0.2542	0.2540	0.2535	0.2534	0.2533	0.2532				
	A8	2888	0.2544	0.2534	0.2530	0.2528	0.2526	0.2523	0.2520	0.2518	0.2516	0.2515				
	A9	2949	0.2514	0.2505	0.2501	0.2499	0.2496	0.2494	0.2490	0.2487	0.2486	0.2485				
	A10	2940	0.2523	0.2514	0.2510	0.2508	0.2505	0.2504	0.2499	0.2496	0.2496	0.2493				
	A21	2966	0.2517	0.2508	0.2504	0.2502	0.2499	0.2498	0.2494	0.2492	0.2489	0.2487				
	A22	2913	0.2538	0.2528	0.2524	0.2522	0.2520	0.2517	0.2514	0.2511	0.2509	0.2507				
	A23	2875	0.2552	0.2542	0.2538	0.2536	0.2534	0.2532	0.2528	0.2525	0.2524	0.2522				
	A24	2982	0.2508	0.2499	0.2495	0.2493	0.2492	0.2490	0.2486	0.2483	0.2481	0.2480				
	A25	3003	0.2496	0.2486	0.2482	0.2480	0.2478	0.2476	0.2472	0.2469	0.2467	0.2465				
	A26	2981	0.2509	0.2499	0.2496	0.2494	0.2491	0.2490	0.2485	0.2482	0.2481	0.2479				
	A27	2985	0.2509	0.2499	0.2496	0.2494	0.2491	0.2489	0.2485	0.2483	0.2482	0.2480				
	A28	2966	0.2512	0.2503	0.2499	0.2498	0.2495	0.2493	0.2489	0.2487	0.2485	0.2484				
	A29	2876	0.2554	0.2544	0.2540	0.2538	0.2536	0.2534	0.2529	0.2527	0.2525	0.2524				
	A30	2999	0.2496	0.2486	0.2483	0.2481	0.2478	0.2476	0.2472	0.2469	0.2468	0.2466				
	A41	3003	0.2503	0.2494	0.2490	0.2487	0.2484	0.2481	0.2478	0.2477	0.2475	0.2474				
	A42	2972	0.2515	0.2506	0.2501	0.2499	0.2496	0.2494	0.2490	0.2487	0.2485	0.2483				
	A43	2997	0.2504	0.2495	0.2491	0.2488	0.2486	0.2483	0.2478	0.2477	0.2475	0.2473				
	A44	3028	0.2492	0.2482	0.2479	0.2477	0.2474	0.2471	0.2467	0.2465	0.2463	0.2462				
	A45	3003	0.2503	0.2493	0.2489	0.2486	0.2483	0.2481	0.2477	0.2475	0.2474	0.2472				
	ave	**2952**														
DATA SET 21: CCT = 3500K, T_J = 69C	A1	3310	0.2410	0.2403	0.2402	0.2400	0.2398	0.2398	0.2398	0.2397	0.2396	0.2395				
	A2	3301	0.2408	0.2399	0.2398	0.2396	0.2395	0.2395	0.2396	0.2395	0.2394	0.2393				
	A3	3277	0.2425	0.2416	0.2415	0.2413	0.2411	0.2419	0.2420	0.2420	0.2418	0.2418				
	A4	3384	0.2389	0.2381	0.2380	0.2378	0.2376	0.2390	0.2391	0.2390	0.2389	0.2389				
	A5	3361	0.2401	0.2393	0.2392	0.2390	0.2388	0.2399	0.2400	0.2399	0.2398	0.2397				
	A6	3723	0.2339	0.2331	0.2329	0.2327	0.2325	0.2333	0.2332	0.2331	0.2330	0.2330				
	A7	3473	0.2387	0.2378	0.2377	0.2374	0.2372	0.2379	0.2379	0.2379	0.2377	0.2377				
	A8	3475	0.2393	0.2384	0.2383	0.2381	0.2379	0.2383	0.2384	0.2384	0.2384	0.2382				
	A9	3488	0.2395	0.2387	0.2386	0.2384	0.2382	0.2385	0.2386	0.2386	0.2384	0.2384				
	A10	3518	0.2383	0.2376	0.2374	0.2372	0.2370	0.2378	0.2379	0.2378	0.2377	0.2377				
	A11	3504	0.2395	0.2387	0.2386	0.2384	0.2383	0.2382	0.2382	0.2381	0.2380	0.2379				
	A12	3484	0.2388	0.2380	0.2380	0.2378	0.2376	0.2376	0.2376	0.2375	0.2374	0.2373				
	A13	3496	0.2380	0.2372	0.2371	0.2369	0.2367	0.2368	0.2367	0.2366	0.2364	0.2364				
	A14	3488	0.2388	0.2380	0.2380	0.2378	0.2375	0.2376	0.2376	0.2375	0.2374	0.2373				
	A15	3528	0.2363	0.2355	0.2354	0.2353	0.2351	0.2361	0.2361	0.2361	0.2360	0.2359				
	A16	3233	0.2432	0.2425	0.2424	0.2423	0.2420	0.2420	0.2419	0.2419	0.2417	0.2416				
	A17	3271	0.2424	0.2415	0.2415	0.2412	0.2410	0.2411	0.2411	0.2410	0.2408	0.2407				
	A18	3384	0.2395	0.2387	0.2386	0.2383	0.2382	0.2382	0.2382	0.2381	0.2379	0.2379				
	A19	3354	0.2404	0.2396	0.2395	0.2392	0.2391	0.2391	0.2390	0.2389	0.2387	0.2387				
	A20	3374	0.2399	0.2391	0.2391	0.2388	0.2387	0.2398	0.2397	0.2397	0.2395	0.2394				
	A21	3291	0.2420	0.2411	0.2410	0.2408	0.2405	0.2407	0.2406	0.2405	0.2404	0.2403				
	A22	3288	0.2417	0.2409	0.2408	0.2405	0.2403	0.2402	0.2402	0.2401	0.2400	0.2399				
	A23	3249	0.2432	0.2424	0.2423	0.2422	0.2418	0.2418	0.2418	0.2417	0.2415	0.2414				
	A24	3450	0.2386	0.2378	0.2378	0.2375	0.2373	0.2375	0.2374	0.2373	0.2371	0.2370				
	A25	3375	0.2402	0.2394	0.2393	0.2391	0.2388	0.2399	0.2398	0.2396	0.2393	0.2393				
	ave	**3403**														

$T_S = T_{AIR} = 55°C$, $I_F = 0.35A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 3: CCT = 2650K, T_J = 64C	A11	2606	0.5325	0.5322	0.5320	0.5321	0.5321	0.5321	0.5319	0.5318	0.5319	0.5318				
	A12	2606	0.5265	0.5261	0.5260	0.5260	0.5260	0.5261	0.5258	0.5257	0.5257	0.5256				
	A13	2556	0.5277	0.5273	0.5272	0.5273	0.5273	0.5275	0.5270	0.5267	0.5266	0.5265				
	A14	2553	0.5293	0.5289	0.5288	0.5289	0.5289	0.5290	0.5287	0.5283	0.5283	0.5282				
	A15	2549	0.5288	0.5284	0.5283	0.5284	0.5284	0.5285	0.5282	0.5280	0.5279	0.5278				
	A16	2582	0.5307	0.5303	0.5302	0.5302	0.5304	0.5305	0.5301	0.5297	0.5297	0.5296				
	A17	2626	0.5295	0.5291	0.5289	0.5290	0.5291	0.5293	0.5287	0.5284	0.5284	0.5283				
	A18	2525	0.5286	0.5283	0.5282	0.5282	0.5283	0.5283	0.5280	0.5279	0.5279	0.5278				
	A19	2629	0.5310	0.5307	0.5306	0.5307	0.5308	0.5308	0.5303	0.5300	0.5301	0.5300				
	A20	2571	0.5290	0.5287	0.5286	0.5287	0.5287	0.5287	0.5284	0.5283	0.5283	0.5282				
	A31	2528	0.5309	0.5306	0.5305	0.5306	0.5306	0.5307	0.5304	0.5299	0.5299	0.5298				
	A32	2602	0.5308	0.5304	0.5304	0.5304	0.5305	0.5306	0.5301	0.5296	0.5296	0.5296				
	A33	2549	0.5307	0.5304	0.5302	0.5303	0.5303	0.5303	0.5301	0.5300	0.5300	0.5298				
	A34	2577	0.5309	0.5305	0.5304	0.5305	0.5305	0.5307	0.5302	0.5300	0.5299	0.5298				
	A35	2598	0.5315	0.5311	0.5310	0.5311	0.5311	0.5312	0.5309	0.5307	0.5306	0.5305				
	A36	2615	0.5307	0.5304	0.5303	0.5304	0.5304	0.5305	0.5302	0.5298	0.5299	0.5297				
	A37	2582	0.5313	0.5310	0.5309	0.5310	0.5311	0.5312	0.5307	0.5304	0.5304	0.5303				
	A38	2563	0.5313	0.5310	0.5310	0.5311	0.5311	0.5312	0.5309	0.5305	0.5305	0.5304				
	A39	2566	0.5303	0.5300	0.5299	0.5299	0.5300	0.5301	0.5298	0.5296	0.5296	0.5295				
	A40	2578	0.5298	0.5294	0.5293	0.5293	0.5294	0.5294	0.5292	0.5291	0.5291	0.5290				
	A51	2603	0.5267	0.5262	0.5278	0.5277	0.5276	0.5272	0.5262	0.5259	0.5258	0.5257				
	A52	2614	0.5292	0.5287	0.5286	0.5286	0.5286	0.5287	0.5283	0.5277	0.5276	0.5276				
	A53	2631	0.5275	0.5270	0.5269	0.5269	0.5270	0.5271	0.5267	0.5263	0.5263	0.5262				
	A54	2608	0.5289	0.5285	0.5285	0.5284	0.5284	0.5285	0.5281	0.5279	0.5276	0.5275				
	A55	2609	0.5298	0.5293	0.5292	0.5292	0.5292	0.5293	0.5289	0.5286	0.5285	0.5284				
	ave	**2585**														
DATA SET 12: CCT = 3000K, T_J = 64C	A1	2894	0.5244	0.5240	0.5238	0.5240	0.5241	0.5242	0.5239	0.5236	0.5235	0.5233				
	A2	2901	0.5238	0.5233	0.5232	0.5233	0.5235	0.5237	0.5233	0.5229	0.5228	0.5228				
	A3	2964	0.5242	0.5237	0.5236	0.5237	0.5238	0.5241	0.5234	0.5231	0.5231	0.5231				
	A4	2946	0.5245	0.5240	0.5239	0.5241	0.5242	0.5244	0.5234	0.5233	0.5234	0.5234				
	A5	2960	0.5251	0.5246	0.5245	0.5246	0.5248	0.5250	0.5244	0.5241	0.5240	0.5240				
	A6	2957	0.5249	0.5244	0.5243	0.5245	0.5246	0.5248	0.5242	0.5238	0.5239	0.5239				
	A7	2855	0.5240	0.5236	0.5235	0.5236	0.5237	0.5239	0.5233	0.5230	0.5231	0.5230				
	A8	2888	0.5250	0.5246	0.5245	0.5246	0.5247	0.5248	0.5244	0.5240	0.5241	0.5240				
	A9	2949	0.5265	0.5261	0.5260	0.5262	0.5263	0.5265	0.5258	0.5254	0.5254	0.5254				
	A10	2940	0.5243	0.5239	0.5238	0.5240	0.5241	0.5242	0.5236	0.5231	0.5232	0.5230				
	A21	2966	0.5222	0.5218	0.5217	0.5218	0.5219	0.5221	0.5218	0.5213	0.5211	0.5208				
	A22	2913	0.5228	0.5223	0.5222	0.5223	0.5224	0.5226	0.5222	0.5217	0.5216	0.5215				
	A23	2875	0.5240	0.5236	0.5235	0.5236	0.5237	0.5238	0.5234	0.5230	0.5230	0.5228				
	A24	2982	0.5233	0.5228	0.5227	0.5228	0.5230	0.5232	0.5228	0.5222	0.5221	0.5220				
	A25	3003	0.5248	0.5244	0.5242	0.5244	0.5245	0.5247	0.5242	0.5237	0.5235	0.5233				
	A26	2981	0.5233	0.5228	0.5227	0.5229	0.5231	0.5233	0.5225	0.5220	0.5219	0.5218				
	A27	2985	0.5224	0.5220	0.5218	0.5220	0.5221	0.5224	0.5218	0.5214	0.5213	0.5212				
	A28	2966	0.5244	0.5239	0.5238	0.5240	0.5241	0.5243	0.5237	0.5234	0.5233	0.5232				
	A29	2876	0.5231	0.5227	0.5226	0.5227	0.5228	0.5230	0.5224	0.5221	0.5220	0.5219				
	A30	2999	0.5255	0.5251	0.5249	0.5250	0.5251	0.5252	0.5247	0.5244	0.5244	0.5243				
	A41	3003	0.5220	0.5215	0.5214	0.5214	0.5215	0.5217	0.5213	0.5210	0.5210	0.5209				
	A42	2972	0.5222	0.5216	0.5216	0.5217	0.5218	0.5219	0.5213	0.5207	0.5206	0.5205				
	A43	2997	0.5225	0.5220	0.5220	0.5221	0.5222	0.5223	0.5215	0.5209	0.5209	0.5208				
	A44	3028	0.5222	0.5217	0.5216	0.5217	0.5218	0.5220	0.5211	0.5207	0.5206	0.5205				
	A45	3003	0.5222	0.5217	0.5216	0.5217	0.5217	0.5220	0.5212	0.5208	0.5207	0.5207				
	ave	**2952**														
DATA SET 21: CCT = 3500K, T_J = 69C	A1	3310	0.5143	0.5144	0.5146	0.5147	0.5146	0.5148	0.5148	0.5149	0.5149	0.5149				
	A2	3301	0.5160	0.5161	0.5162	0.5162	0.5162	0.5165	0.5164	0.5166	0.5165	0.5165				
	A3	3277	0.5132	0.5133	0.5135	0.5135	0.5134	0.5147	0.5147	0.5149	0.5149	0.5149				
	A4	3384	0.5130	0.5131	0.5133	0.5133	0.5133	0.5152	0.5153	0.5155	0.5155	0.5155				
	A5	3361	0.5118	0.5119	0.5121	0.5122	0.5120	0.5138	0.5139	0.5140	0.5140	0.5140				
	A6	3723	0.4986	0.4987	0.4985	0.4989	0.4988	0.5005	0.5002	0.5004	0.5003	0.5004				
	A7	3473	0.5052	0.5056	0.5058	0.5059	0.5058	0.5070	0.5069	0.5072	0.5071	0.5072				
	A8	3475	0.5033	0.5035	0.5036	0.5037	0.5036	0.5045	0.5046	0.5049	0.5049	0.5049				
	A9	3488	0.5017	0.5018	0.5019	0.5019	0.5018	0.5026	0.5027	0.5030	0.5029	0.5030				
	A10	3518	0.5024	0.5025	0.5026	0.5027	0.5026	0.5041	0.5041	0.5044	0.5044	0.5044				
	A11	3504	0.5002	0.5004	0.5006	0.5007	0.5005	0.5008	0.5007	0.5008	0.5008	0.5008				
	A12	3484	0.5040	0.5041	0.5043	0.5044	0.5043	0.5047	0.5046	0.5047	0.5046	0.5046				
	A13	3496	0.5053	0.5053	0.5056	0.5057	0.5056	0.5060	0.5058	0.5059	0.5059	0.5059				
	A14	3488	0.5037	0.5039	0.5040	0.5040	0.5039	0.5044	0.5042	0.5043	0.5043	0.5043				
	A15	3528	0.5073	0.5073	0.5076	0.5077	0.5076	0.5092	0.5091	0.5091	0.5091	0.5091				
	A16	3233	0.5159	0.5161	0.5161	0.5162	0.5162	0.5164	0.5164	0.5165	0.5164	0.5165				
	A17	3271	0.5143	0.5145	0.5147	0.5147	0.5146	0.5149	0.5148	0.5149	0.5149	0.5149				
	A18	3384	0.5112	0.5113	0.5113	0.5113	0.5112	0.5116	0.5115	0.5116	0.5115	0.5115				
	A19	3354	0.5117	0.5117	0.5119	0.5120	0.5118	0.5121	0.5121	0.5122	0.5121	0.5121				
	A20	3374	0.5109	0.5110	0.5113	0.5113	0.5112	0.5128	0.5127	0.5128	0.5127	0.5127				
	A21	3291	0.5132	0.5133	0.5133	0.5133	0.5132	0.5136	0.5134	0.5135	0.5135	0.5134				
	A22	3288	0.5147	0.5148	0.5149	0.5150	0.5149	0.5151	0.5149	0.5150	0.5150	0.5150				
	A23	3249	0.5142	0.5143	0.5145	0.5144	0.5143	0.5145	0.5145	0.5144	0.5145	0.5145				
	A24	3450	0.5077	0.5078	0.5079	0.5079	0.5078	0.5084	0.5082	0.5082	0.5082	0.5081				
	A25	3375	0.5100	0.5100	0.5101	0.5101	0.5099	0.5115	0.5114	0.5113	0.5112	0.5111				
	ave	**3403**														

$T_S = T_{AIR} = 55°C$, $I_F = 0.35A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 3: CCT = 2650K, T_J = 64C	A11	2606	0.0000	0.0013	0.0020	0.0022	0.0027	0.0031	0.0036	0.0038	0.0038	0.0041				
	A12	2606	0.0000	0.0014	0.0021	0.0024	0.0027	0.0031	0.0037	0.0039	0.0040	0.0042				
	A13	2556	0.0000	0.0014	0.0020	0.0022	0.0026	0.0030	0.0037	0.0039	0.0041	0.0044				
	A14	2553	0.0000	0.0015	0.0021	0.0023	0.0027	0.0031	0.0036	0.0040	0.0042	0.0044				
	A15	2549	0.0000	0.0014	0.0021	0.0023	0.0027	0.0031	0.0036	0.0039	0.0041	0.0043				
	A16	2582	0.0000	0.0015	0.0021	0.0025	0.0027	0.0030	0.0036	0.0040	0.0041	0.0043				
	A17	2626	0.0000	0.0015	0.0021	0.0025	0.0027	0.0030	0.0037	0.0041	0.0041	0.0044				
	A18	2525	0.0000	0.0013	0.0020	0.0023	0.0027	0.0032	0.0037	0.0039	0.0040	0.0042				
	A19	2629	0.0000	0.0013	0.0019	0.0023	0.0026	0.0030	0.0038	0.0040	0.0041	0.0043				
	A20	2571	0.0000	0.0013	0.0019	0.0023	0.0027	0.0031	0.0037	0.0039	0.0040	0.0042				
	A31	2528	0.0000	0.0013	0.0020	0.0023	0.0027	0.0031	0.0036	0.0041	0.0042	0.0045				
	A32	2602	0.0000	0.0014	0.0019	0.0022	0.0026	0.0030	0.0037	0.0041	0.0042	0.0044				
	A33	2549	0.0000	0.0014	0.0021	0.0023	0.0027	0.0031	0.0036	0.0039	0.0040	0.0042				
	A34	2577	0.0000	0.0015	0.0020	0.0023	0.0027	0.0030	0.0036	0.0039	0.0041	0.0043				
	A35	2598	0.0000	0.0014	0.0020	0.0023	0.0026	0.0031	0.0036	0.0039	0.0040	0.0043				
	A36	2615	0.0000	0.0012	0.0018	0.0022	0.0026	0.0030	0.0034	0.0039	0.0040	0.0042				
	A37	2582	0.0000	0.0015	0.0020	0.0022	0.0026	0.0028	0.0036	0.0041	0.0044	0.0046				
	A38	2563	0.0000	0.0014	0.0019	0.0022	0.0025	0.0028	0.0034	0.0040	0.0042	0.0045				
	A39	2566	0.0000	0.0013	0.0019	0.0023	0.0027	0.0031	0.0035	0.0038	0.0040	0.0042				
	A40	2578	0.0000	0.0014	0.0020	0.0024	0.0027	0.0031	0.0036	0.0038	0.0039	0.0042				
	A51	2603	0.0000	0.0014	0.0014	0.0016	0.0020	0.0026	0.0035	0.0039	0.0040	0.0042				
	A52	2614	0.0000	0.0014	0.0021	0.0025	0.0029	0.0032	0.0037	0.0043	0.0045	0.0047				
	A53	2631	0.0000	0.0013	0.0019	0.0023	0.0026	0.0030	0.0036	0.0040	0.0041	0.0043				
	A54	2608	0.0000	0.0014	0.0019	0.0023	0.0026	0.0030	0.0036	0.0039	0.0042	0.0045				
	A55	2609	0.0000	0.0014	0.0020	0.0024	0.0028	0.0031	0.0036	0.0040	0.0042	0.0045				
	ave	**2585**	**0.0000**	**0.0014**	**0.0020**	**0.0023**	**0.0027**	**0.0030**	**0.0036**	**0.0039**	**0.0041**	**0.0043**				
DATA SET 12: CCT = 3000K, T_J = 64C	A1	2894	0.0000	0.0010	0.0014	0.0016	0.0017	0.0020	0.0024	0.0026	0.0029	0.0031				
	A2	2901	0.0000	0.0010	0.0014	0.0016	0.0018	0.0020	0.0024	0.0028	0.0029	0.0030				
	A3	2964	0.0000	0.0011	0.0015	0.0017	0.0019	0.0021	0.0026	0.0028	0.0030	0.0030				
	A4	2946	0.0000	0.0010	0.0015	0.0016	0.0018	0.0020	0.0027	0.0030	0.0030	0.0031				
	A5	2960	0.0000	0.0011	0.0014	0.0017	0.0018	0.0020	0.0025	0.0028	0.0029	0.0030				
	A6	2957	0.0000	0.0011	0.0015	0.0016	0.0018	0.0020	0.0026	0.0028	0.0030	0.0031				
	A7	2855	0.0000	0.0010	0.0014	0.0016	0.0018	0.0020	0.0026	0.0028	0.0028	0.0030				
	A8	2888	0.0000	0.0011	0.0015	0.0016	0.0018	0.0021	0.0025	0.0028	0.0029	0.0031				
	A9	2949	0.0000	0.0010	0.0014	0.0015	0.0018	0.0020	0.0025	0.0029	0.0030	0.0031				
	A10	2940	0.0000	0.0010	0.0014	0.0015	0.0018	0.0019	0.0025	0.0030	0.0029	0.0033				
	A21	2966	0.0000	0.0010	0.0014	0.0016	0.0018	0.0019	0.0023	0.0027	0.0030	0.0033				
	A22	2913	0.0000	0.0011	0.0015	0.0017	0.0018	0.0021	0.0025	0.0029	0.0031	0.0034				
	A23	2875	0.0000	0.0011	0.0015	0.0016	0.0018	0.0020	0.0025	0.0029	0.0030	0.0032				
	A24	2982	0.0000	0.0010	0.0014	0.0016	0.0016	0.0018	0.0023	0.0027	0.0030	0.0031				
	A25	3003	0.0000	0.0011	0.0015	0.0016	0.0018	0.0020	0.0025	0.0029	0.0032	0.0034				
	A26	2981	0.0000	0.0011	0.0014	0.0016	0.0018	0.0019	0.0025	0.0030	0.0031	0.0034				
	A27	2985	0.0000	0.0011	0.0014	0.0016	0.0018	0.0020	0.0025	0.0028	0.0029	0.0031				
	A28	2966	0.0000	0.0010	0.0014	0.0015	0.0017	0.0019	0.0024	0.0027	0.0029	0.0030				
	A29	2876	0.0000	0.0011	0.0015	0.0016	0.0018	0.0020	0.0026	0.0029	0.0031	0.0032				
	A30	2999	0.0000	0.0011	0.0014	0.0016	0.0018	0.0020	0.0025	0.0029	0.0030	0.0032				
	A41	3003	0.0000	0.0010	0.0014	0.0017	0.0020	0.0022	0.0026	0.0028	0.0030	0.0031				
	A42	2972	0.0000	0.0011	0.0015	0.0017	0.0019	0.0021	0.0027	0.0032	0.0034	0.0036				
	A43	2997	0.0000	0.0010	0.0014	0.0016	0.0018	0.0021	0.0028	0.0031	0.0033	0.0035				
	A44	3028	0.0000	0.0011	0.0014	0.0016	0.0018	0.0021	0.0027	0.0031	0.0033	0.0034				
	A45	3003	0.0000	0.0011	0.0015	0.0018	0.0021	0.0022	0.0028	0.0031	0.0033	0.0034				
	ave	**2952**	**0.0000**	**0.0011**	**0.0015**	**0.0016**	**0.0018**	**0.0020**	**0.0025**	**0.0029**	**0.0030**	**0.0032**				
DATA SET 21: CCT = 3500K, T_J = 69C	A1	3310	0.0000	0.0007	0.0009	0.0011	0.0012	0.0013	0.0013	0.0014	0.0015	0.0016				
	A2	3301	0.0000	0.0009	0.0010	0.0012	0.0013	0.0014	0.0013	0.0014	0.0015	0.0016				
	A3	3277	0.0000	0.0009	0.0010	0.0012	0.0014	0.0016	0.0016	0.0018	0.0018	0.0018				
	A4	3384	0.0000	0.0008	0.0009	0.0011	0.0013	0.0022	0.0023	0.0025	0.0025	0.0025				
	A5	3361	0.0000	0.0008	0.0009	0.0012	0.0013	0.0020	0.0021	0.0022	0.0022	0.0022				
	A6	3723	0.0000	0.0008	0.0010	0.0012	0.0014	0.0020	0.0017	0.0020	0.0019	0.0020				
	A7	3473	0.0000	0.0010	0.0012	0.0015	0.0016	0.0020	0.0019	0.0022	0.0021	0.0022				
	A8	3475	0.0000	0.0009	0.0010	0.0013	0.0014	0.0016	0.0016	0.0018	0.0018	0.0019				
	A9	3488	0.0000	0.0008	0.0009	0.0011	0.0013	0.0013	0.0013	0.0016	0.0016	0.0017				
	A10	3518	0.0000	0.0007	0.0009	0.0011	0.0013	0.0018	0.0017	0.0021	0.0021	0.0021				
	A11	3504	0.0000	0.0008	0.0010	0.0012	0.0012	0.0014	0.0014	0.0015	0.0016	0.0017				
	A12	3484	0.0000	0.0008	0.0009	0.0011	0.0012	0.0014	0.0013	0.0015	0.0015	0.0016				
	A13	3496	0.0000	0.0008	0.0009	0.0012	0.0013	0.0014	0.0014	0.0015	0.0017	0.0017				
	A14	3488	0.0000	0.0008	0.0009	0.0010	0.0013	0.0014	0.0013	0.0014	0.0015	0.0016				
	A15	3528	0.0000	0.0008	0.0009	0.0011	0.0012	0.0019	0.0018	0.0018	0.0018	0.0018				
	A16	3233	0.0000	0.0007	0.0008	0.0009	0.0012	0.0013	0.0014	0.0014	0.0016	0.0017				
	A17	3271	0.0000	0.0009	0.0010	0.0013	0.0014	0.0014	0.0014	0.0015	0.0017	0.0018				
	A18	3384	0.0000	0.0008	0.0009	0.0012	0.0013	0.0014	0.0013	0.0015	0.0016	0.0016				
	A19	3354	0.0000	0.0008	0.0009	0.0012	0.0013	0.0014	0.0015	0.0016	0.0017	0.0017				
	A20	3374	0.0000	0.0008	0.0009	0.0012	0.0012	0.0019	0.0018	0.0019	0.0018	0.0019				
	A21	3291	0.0000	0.0009	0.0010	0.0012	0.0015	0.0014	0.0014	0.0015	0.0016	0.0017				
	A22	3288	0.0000	0.0008	0.0009	0.0012	0.0014	0.0016	0.0015	0.0016	0.0017	0.0018				
	A23	3249	0.0000	0.0008	0.0009	0.0010	0.0014	0.0014	0.0014	0.0015	0.0017	0.0018				
	A24	3450	0.0000	0.0008	0.0008	0.0011	0.0013	0.0013	0.0013	0.0014	0.0016	0.0016				
	A25	3375	0.0000	0.0008	0.0009	0.0011	0.0014	0.0015	0.0015	0.0014	0.0015	0.0014				
	ave	**3403**	**0.0000**	**0.0008**	**0.0009**	**0.0012**	**0.0013**	**0.0016**	**0.0015**	**0.0017**	**0.0018**	**0.0018**				

$T_S = T_{AIR} = 55°C$, $I_F = 0.35A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 3: CCT = 2650K, T_J = 64C	A11	2606	2.994	2.986	2.979	2.983	2.984	2.983	2.979	2.981	2.983	2.983				
	A12	2606	2.922	2.921	2.912	2.915	2.916	2.913	2.910	2.912	2.916	2.913				
	A13	2556	2.996	2.992	2.985	2.989	2.989	2.988	2.984	2.987	2.987	2.988				
	A14	2553	3.022	3.015	3.010	3.010	3.010	3.009	3.003	3.008	3.007	3.003				
	A15	2549	2.934	2.933	2.923	2.927	2.928	2.925	2.923	2.923	2.927	2.925				
	A16	2582	3.016	3.010	2.999	3.006	3.006	3.005	3.001	3.002	3.004	3.006				
	A17	2626	3.023	3.017	3.004	3.015	3.014	3.009	3.005	3.004	3.012	3.010				
	A18	2525	3.011	3.011	3.002	3.005	3.007	3.002	3.002	3.005	3.005	3.006				
	A19	2629	2.970	2.970	2.963	2.966	2.967	2.962	2.961	2.964	2.964	2.964				
	A20	2571	2.967	2.967	2.955	2.962	2.964	2.957	2.957	2.961	2.962	2.961				
	A31	2528	2.949	2.943	2.938	2.941	2.940	2.939	2.933	2.937	2.940	2.940				
	A32	2602	3.022	3.019	3.009	3.014	3.016	3.012	3.009	3.009	3.012	3.012				
	A33	2549	2.954	2.953	2.944	2.945	2.949	2.947	2.944	2.946	2.947	2.944				
	A34	2577	3.042	3.038	3.034	3.038	3.036	3.032	3.029	3.031	3.032	3.033				
	A35	2598	2.949	2.948	2.939	2.942	2.942	2.940	2.936	2.939	2.940	2.940				
	A36	2615	3.018	3.015	3.008	3.012	3.011	3.007	3.004	3.011	3.010	3.007				
	A37	2582	3.030	3.023	3.015	3.014	3.016	3.010	3.006	3.006	3.006	3.006				
	A38	2563	2.925	2.923	2.915	2.917	2.919	2.916	2.914	2.916	2.918	2.916				
	A39	2566	2.968	2.966	2.959	2.958	2.962	2.960	2.956	2.959	2.959	2.957				
	A40	2578	3.029	3.025	3.018	3.022	3.024	3.015	3.016	3.019	3.019	3.020				
	A51	2603	2.998	2.995	2.987	2.991	2.993	2.989	2.986	2.986	2.989	2.991				
	A52	2614	3.016	3.013	3.004	3.011	3.008	3.005	3.002	3.007	3.007	3.007				
	A53	2631	3.067	3.060	3.053	3.057	3.058	3.052	3.047	3.050	3.051	3.053				
	A54	2608	3.114	3.107	3.098	3.097	3.093	3.086	3.077	3.079	3.080	3.075				
	A55	2609	3.005	2.999	2.992	2.996	2.996	2.989	2.991	2.993	2.994	2.994				
	ave	**2585**	**2.998**													
DATA SET 12: CCT = 3000K, T_J = 64C	A1	2894	2.951	2.948	2.937	2.946	2.945	2.941	2.940	2.941	2.944	2.945				
	A2	2901	3.001	2.996	2.987	2.990	2.991	2.988	2.986	2.987	2.992	2.988				
	A3	2964	3.009	3.003	2.992	3.000	2.999	2.996	2.995	2.997	2.999	2.997				
	A4	2946	3.027	3.021	3.008	3.015	3.015	3.011	3.007	3.014	3.014	3.012				
	A5	2960	3.139	3.108	3.089	3.089	3.085	3.080	3.071	3.072	3.074	3.075				
	A6	2957	3.005	2.998	2.988	2.993	2.995	2.994	2.992	2.992	2.995	2.994				
	A7	2855	3.009	3.003	2.994	3.000	3.003	2.998	2.993	2.998	3.001	2.999				
	A8	2888	3.005	2.996	2.988	2.992	2.994	2.991	2.990	2.989	2.993	2.994				
	A9	2949	3.044	3.037	3.028	3.031	3.033	3.029	3.028	3.030	3.032	3.030				
	A10	2940	3.027	3.019	3.010	3.014	3.015	3.010	3.009	3.008	3.014	3.011				
	A21	2966	3.087	3.078	3.064	3.062	3.057	3.052	3.040	3.044	3.044	3.041				
	A22	2913	2.976	2.970	2.961	2.966	2.965	2.965	2.963	2.966	2.967	2.966				
	A23	2875	2.969	2.964	2.954	2.958	2.960	2.955	2.957	2.959	2.962	2.961				
	A24	2982	3.033	3.028	3.018	3.023	3.024	3.023	3.017	3.020	3.022	3.022				
	A25	3003	3.118	3.110	3.089	3.079	3.073	3.060	3.051	3.050	3.050	3.048				
	A26	2981	3.061	3.042	3.031	3.029	3.027	3.024	3.020	3.021	3.022	3.021				
	A27	2985	2.963	2.958	2.950	2.956	2.957	2.955	2.954	2.954	2.957	2.956				
	A28	2966	2.997	2.992	2.985	2.987	2.989	2.987	2.982	2.986	2.987	2.987				
	A29	2876	2.993	2.987	2.978	2.979	2.983	2.980	2.973	2.979	2.980	2.979				
	A30	2999	3.171	3.125	3.102	3.101	3.096	3.089	3.081	3.082	3.083	3.079				
	A41	3003	2.959	2.953	2.947	2.950	2.949	2.948	2.948	2.948	2.950	2.948				
	A42	2972	3.119	3.078	3.059	3.056	3.051	3.042	3.040	3.037	3.041	3.037				
	A43	2997	2.946	2.941	2.935	2.935	2.937	2.933	2.933	2.934	2.940	2.938				
	A44	3028	2.967	2.960	2.954	2.955	2.957	2.954	2.953	2.955	2.955	2.956				
	A45	3003	3.128	3.081	3.058	3.052	3.047	3.038	3.035	3.035	3.035	3.033				
	ave	**2952**	**3.028**													
DATA SET 21: CCT = 3500K, T_J = 69C	A1	3310	2.953	2.952	2.941	2.932	2.930	2.922	2.922	2.917	2.919	2.918				
	A2	3301	2.965	2.944	2.923	2.910	2.906	2.893	2.895	2.893	2.893	2.885				
	A3	3277	2.949	2.933	2.921	2.916	2.912	2.899	2.902	2.901	2.900	2.898				
	A4	3384	2.914	2.903	2.890	2.883	2.882	2.872	2.871	2.867	2.872	2.861				
	A5	3361	3.002	2.989	2.976	2.970	2.966	2.953	2.950	2.947	2.948	2.945				
	A6	3723	2.976	3.000	2.960	2.942	2.935	2.915	2.923	2.920	2.921	2.917				
	A7	3473	2.982	2.981	2.950	2.934	2.930	2.919	2.918	2.909	2.916	2.907				
	A8	3475	2.984	2.979	2.940	2.917	2.909	2.897	2.895	2.893	2.885	2.883				
	A9	3488	2.959	2.947	2.921	2.908	2.902	2.894	2.894	2.891	2.892	2.887				
	A10	3518	2.932	2.932	2.916	2.906	2.903	2.887	2.894	2.892	2.888	2.889				
	A11	3504	2.969	2.990	2.949	2.926	2.919	2.904	2.894	2.902	2.903	2.900				
	A12	3484	2.950	2.962	2.925	2.905	2.900	2.887	2.883	2.879	2.882	2.882				
	A13	3496	2.955	2.952	2.942	2.933	2.931	2.917	2.921	2.911	2.920	2.918				
	A14	3488	2.966	2.957	2.925	2.908	2.902	2.885	2.893	2.883	2.883	2.877				
	A15	3528	3.053	3.056	3.042	3.031	3.026	3.016	3.014	3.000	3.010	2.999				
	A16	3233	2.948	2.922	2.913	2.909	2.907	2.902	2.892	2.899	2.893	2.898				
	A17	3271	2.993	2.982	2.961	2.949	2.945	2.931	2.932	2.927	2.930	2.927				
	A18	3384	2.935	2.909	2.897	2.889	2.887	2.878	2.877	2.876	2.878	2.874				
	A19	3354	2.921	2.919	2.907	2.899	2.897	2.884	2.883	2.882	2.886	2.881				
	A20	3374	2.921	2.920	2.906	2.898	2.897	2.884	2.882	2.880	2.880	2.880				
	A21	3291	2.922	2.915	2.899	2.889	2.889	2.877	2.877	2.874	2.876	2.870				
	A22	3288	2.988	2.978	2.958	2.945	2.942	2.929	2.927	2.927	2.929	2.926				
	A23	3249	2.976	2.947	2.939	2.934	2.933	2.925	2.925	2.922	2.922	2.920				
	A24	3450	3.001	2.974	2.952	2.940	2.936	2.927	2.924	2.922	2.926	2.919				
	A25	3375	3.024	2.988	2.969	2.957	2.952	2.943	2.933	2.931	2.935	2.932				
	ave	**3403**	**2.966**													

$T_S = T_{AIR} = 55°C, I_F = 0.35A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

Lumen Data

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	Lumen Maintenance % at 6khours
DATA SET 27: CCT = 4000K, T_J = 69	B1	4020	64.558	65.387	66.576	66.947	67.682	68.510	68.004	67.763	67.671	67.599					**104.7**
	B2	4017	65.496	65.836	67.160	67.690	68.143	69.738	69.580	69.542	69.423	69.309					**105.8**
	B3	4143	66.343	66.649	67.603	67.958	68.551	68.692	68.388	68.398	68.233	68.116					**102.7**
	B4	4219	65.722	65.827	66.923	67.261	68.244	68.183	68.125	68.076	68.079	67.984					**103.4**
	B5	4200	64.941	65.200	66.334	67.383	68.355	69.611	69.653	69.327	69.205	69.392					**106.9**
	B6	4131	66.330	66.331	67.558	68.339	69.021	68.533	68.597	68.551	68.390	68.408					**103.1**
	B7	4276	65.500	65.563	66.870	67.326	67.814	67.686	67.639	67.754	67.626	67.772					**103.5**
	B8	4090	64.754	64.715	66.101	66.711	67.355	66.038	66.060	66.261	66.364	66.366					**102.5**
	B9	4128	66.010	65.506	66.796	67.326	67.770	69.005	68.940	69.141	69.164	69.095					**104.7**
	B10	4160	65.256	65.393	66.187	65.982	66.464	70.352	70.327	70.490	70.530	70.444					**107.9**
	B11	3988	65.800	65.986	67.298	67.921	68.262	68.327	68.226	68.207	67.983	67.868					**103.1**
	B12	3918	63.553	63.635	64.903	65.334	65.516	66.416	66.257	66.695	66.597	66.631					**104.8**
	B14	3946	66.209	66.448	67.576	68.030	68.079	68.887	68.720	68.957	68.852	68.920					**104.1**
	B16	4315	66.237	66.728	67.901	68.646	68.717	70.185	70.059	70.332	70.230	70.259					**106.1**
	B17	4215	65.610	66.473	67.653	68.420	68.835	68.828	68.927	68.957	68.799	68.641					**104.6**
	B18	4143	66.119	66.423	67.667	68.511	68.884	69.203	68.969	69.215	69.103	69.152					**104.6**
	B19	4116	65.641	66.087	67.016	67.816	68.265	69.711	69.528	69.797	69.785	69.915					**106.5**
	B20	4256	65.872	66.012	67.162	67.846	68.033	69.424	69.556	69.601	69.514	69.266					**105.2**
	B21	4193	64.777	65.776	67.092	67.636	67.839	68.038	67.894	68.161	68.055	68.053					**105.1**
	B22	4146	65.655	66.386	67.658	68.204	68.371	70.609	70.304	70.593	70.502	70.488					**107.4**
	B23	4183	66.320	66.526	67.838	68.313	68.566	68.367	68.566	68.749	68.543	68.486					**103.3**
	B24	4242	65.525	65.885	67.245	67.775	68.165	68.619	68.640	68.654	68.631	68.463					**104.5**
	B25	4144	65.778	65.195	66.598	68.348	68.505	72.180	72.302	72.301	71.941	71.758					**109.1**
	B26	3930	65.462	65.715	66.612	66.938	67.099	68.077	67.828	68.185	68.134	68.188					**104.2**
	B27	3851	64.332	64.304	65.646	64.932	65.325	67.446	67.619	67.934	67.933	67.859					**105.5**
	ave	**4119**															**104.9**
DATA SET 33: CCT > 5000K, T_J = 68C	A6	6398	64.097	63.490	64.227	64.343	64.067	63.665	64.422	64.191	64.176	63.668	63.509	63.770	63.280		**99.3**
	A8	6023	63.864	63.188	64.064	64.277	64.020	63.835	64.888	64.747	64.690	64.240	64.191	64.090	63.517		**100.6**
	A11	6106	69.530	68.883	69.232	69.394	68.961	68.105	68.022	68.009	68.014	66.728	64.590	67.785	67.389		**96.0**
	A13	5797	69.902	69.309	69.712	69.900	69.710	69.113	68.996	68.768	68.741	67.082	65.173	68.347	67.912		**96.0**
	A14	5921	68.271	67.743	68.183	68.267	67.935	67.260	67.376	67.300	67.252	65.714	67.003	67.035	66.668		**96.3**
	A15	5876	68.999	68.561	68.944	69.047	68.679	68.179	68.215	68.069	68.031	67.714	66.594	67.871	67.551		**98.1**
	A17	6278	62.413	62.170	63.070	63.222	63.059	63.091	63.177	63.127	63.125	61.842	62.949	63.432	63.116		**99.1**
	A19	5986	62.740	62.728	63.365	63.553	63.326	63.309	63.394	63.429	63.327	62.100	63.182	63.466	63.126		**99.0**
	A20	6066	62.251	62.297	63.072	63.214	63.019	63.235	63.328	63.251	63.459	62.491	62.966	63.428	63.169		**100.4**
	A21	5870	62.541	62.619	63.194	63.425	63.201	62.488	62.215	62.126	62.006	60.946	61.623	60.753	60.613		**97.4**
	A22	5829	63.456	63.545	64.121	64.333	64.099	63.401	63.207	63.007	62.943	62.692	58.968	61.661	61.727		**98.8**
	A23	6065	62.714	62.793	63.403	63.612	63.341	62.691	62.345	61.939	61.872	61.481	61.424	60.484	60.514		**98.0**
	A26	5717	71.574	71.335	71.547	71.696	71.301	70.829	70.799	70.776	70.631	70.279	66.419	69.662	69.350		**98.2**
	A27	5655	71.485	71.223	71.526	71.660	71.288	70.953	71.148	71.027	71.004	70.680	66.733	70.018	69.799		**98.9**
	A28	5572	71.175	70.856	71.186	71.300	70.991	70.846	70.947	70.830	70.835	69.176	66.772	69.944	69.592		**97.2**
	A29	5508	71.237	70.932	71.236	71.468	71.061	70.865	71.036	70.954	70.975	69.293	70.633	70.087	69.952		**97.3**
	A31	6173	57.338	57.008	57.682	57.748	57.527	56.882	56.947	57.011	57.047	56.082	56.864	56.567	56.362		**97.8**
	A32	6064	57.995	57.602	58.278	58.333	58.145	57.503	57.543	57.523	57.558	56.408	57.398	57.152	56.944		**97.3**
	A33	6306	58.392	58.008	58.646	58.724	58.528	57.932	58.028	58.024	58.045	57.300	57.944	57.533	57.393		**98.1**
	A34	6302	57.883	57.531	58.174	58.215	58.023	57.540	57.575	57.508	57.576	56.200	57.337	57.105	56.958		**97.1**
	A35	6073	57.911	57.599	58.186	58.241	58.021	57.542	57.571	57.617	57.705	57.460	54.092	57.216	57.201		**99.2**
	A36	5554	63.221	63.667	64.211	64.399	64.258	64.073	64.328	64.655	64.853	64.634	64.769	64.524	64.520		**102.2**
	A37	5517	63.766	64.220	64.842	65.063	64.977	64.884	65.151	65.227	65.800	65.922	66.131	65.954	65.919		**103.4**
	A39	5787	63.536	63.814	64.392	64.549	64.429	64.461	64.662	64.780	64.916	63.960	64.925	65.311	65.302		**100.7**
	A40	6101	62.245	62.519	63.239	63.480	63.352	63.440	63.688	63.955	64.245	63.204	64.292	64.127	64.045		**101.5**
	ave	**5942**															**98.7**

$T_S = T_{AIR} = 55°C$, $I_F = 0.35A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

			Normalized flux													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 27: CCT = 4000K, T_J = 69	B1	4020	1.0000	1.0128	1.0313	1.0370	1.0484	1.0612	1.0534	1.0496	1.0482	1.0471				
	B2	4017	1.0000	1.0052	1.0254	1.0335	1.0404	1.0648	1.0624	1.0618	1.0600	1.0582				
	B3	4143	1.0000	1.0046	1.0190	1.0243	1.0333	1.0354	1.0308	1.0310	1.0285	1.0267				
	B4	4219	1.0000	1.0016	1.0183	1.0234	1.0384	1.0375	1.0366	1.0358	1.0359	1.0344				
	B5	4200	1.0000	1.0040	1.0214	1.0376	1.0526	1.0719	1.0726	1.0675	1.0657	1.0685				
	B6	4131	1.0000	1.0000	1.0185	1.0303	1.0406	1.0332	1.0342	1.0335	1.0311	1.0313				
	B7	4276	1.0000	1.0010	1.0209	1.0279	1.0353	1.0334	1.0327	1.0344	1.0325	1.0347				
	B8	4090	1.0000	0.9994	1.0208	1.0302	1.0402	1.0198	1.0202	1.0233	1.0249	1.0249				
	B9	4128	1.0000	0.9924	1.0119	1.0199	1.0267	1.0454	1.0444	1.0474	1.0478	1.0467				
	B10	4160	1.0000	1.0021	1.0143	1.0111	1.0185	1.0781	1.0777	1.0802	1.0808	1.0795				
	B11	3988	1.0000	1.0028	1.0228	1.0322	1.0374	1.0384	1.0369	1.0366	1.0332	1.0314				
	B12	3918	1.0000	1.0013	1.0212	1.0280	1.0309	1.0451	1.0425	1.0494	1.0479	1.0484				
	B14	3946	1.0000	1.0036	1.0207	1.0275	1.0282	1.0404	1.0379	1.0415	1.0399	1.0410				
	B16	4315	1.0000	1.0074	1.0251	1.0364	1.0375	1.0596	1.0577	1.0618	1.0603	1.0607				
	B17	4215	1.0000	1.0132	1.0311	1.0428	1.0492	1.0490	1.0506	1.0510	1.0486	1.0462				
	B18	4143	1.0000	1.0046	1.0234	1.0362	1.0418	1.0467	1.0431	1.0468	1.0451	1.0459				
	B19	4116	1.0000	1.0068	1.0209	1.0331	1.0400	1.0620	1.0592	1.0633	1.0631	1.0651				
	B20	4256	1.0000	1.0021	1.0196	1.0300	1.0328	1.0539	1.0559	1.0566	1.0553	1.0515				
	B21	4193	1.0000	1.0154	1.0357	1.0441	1.0473	1.0503	1.0481	1.0522	1.0506	1.0506				
	B22	4146	1.0000	1.0111	1.0305	1.0388	1.0414	1.0754	1.0708	1.0752	1.0738	1.0736				
	B23	4183	1.0000	1.0031	1.0229	1.0301	1.0339	1.0309	1.0339	1.0366	1.0335	1.0327				
	B24	4242	1.0000	1.0055	1.0262	1.0343	1.0403	1.0472	1.0475	1.0477	1.0474	1.0448				
	B25	4144	1.0000	0.9911	1.0125	1.0391	1.0415	1.0973	1.0992	1.0992	1.0937	1.0909				
	B26	3930	1.0000	1.0039	1.0176	1.0225	1.0250	1.0399	1.0361	1.0416	1.0408	1.0416				
	B27	3851	1.0000	0.9996	1.0204	1.0093	1.0154	1.0484	1.0511	1.0560	1.0560	1.0548				
	ave	**4119**	**1.0000**	**1.0038**	**1.0221**	**1.0304**	**1.0367**	**1.0506**	**1.0494**	**1.0512**	**1.0498**	**1.0493**				
DATA SET 33: CCT > 5000K, T_J = 68C	A6	6398	1.0000	0.9905	1.0020	1.0038	0.9995	0.9933	1.0051	1.0015	1.0012	0.9933	0.9908	0.9949	0.9873	
	A8	6023	1.0000	0.9894	1.0031	1.0065	1.0024	0.9996	1.0160	1.0138	1.0129	1.0059	1.0051	1.0035	0.9946	
	A11	6106	1.0000	0.9907	0.9957	0.9980	0.9918	0.9795	0.9783	0.9781	0.9782	0.9597	0.9289	0.9749	0.9692	
	A13	5797	1.0000	0.9915	0.9973	1.0000	0.9973	0.9887	0.9870	0.9838	0.9834	0.9597	0.9323	0.9778	0.9715	
	A14	5921	1.0000	0.9923	0.9987	0.9999	0.9951	0.9852	0.9869	0.9858	0.9851	0.9625	0.9814	0.9819	0.9765	
	A15	5876	1.0000	0.9936	0.9992	1.0007	0.9954	0.9881	0.9886	0.9865	0.9860	0.9814	0.9651	0.9837	0.9790	
	A17	6278	1.0000	0.9961	1.0105	1.0130	1.0104	1.0109	1.0122	1.0114	1.0114	0.9909	1.0086	1.0163	1.0113	
	A19	5986	1.0000	0.9998	1.0100	1.0130	1.0093	1.0091	1.0104	1.0110	1.0093	0.9898	1.0070	1.0116	1.0061	
	A20	6066	1.0000	1.0007	1.0132	1.0155	1.0123	1.0158	1.0173	1.0161	1.0194	1.0039	1.0115	1.0189	1.0147	
	A21	5870	1.0000	1.0012	1.0104	1.0141	1.0105	0.9992	0.9948	0.9934	0.9914	0.9745	0.9853	0.9714	0.9692	
	A22	5829	1.0000	1.0014	1.0105	1.0138	1.0101	0.9991	0.9961	0.9929	0.9919	0.9880	0.9293	0.9717	0.9728	
	A23	6065	1.0000	1.0013	1.0110	1.0143	1.0100	0.9996	0.9941	0.9877	0.9866	0.9803	0.9794	0.9644	0.9649	
	A26	5717	1.0000	0.9967	0.9996	1.0017	0.9962	0.9896	0.9892	0.9889	0.9868	0.9819	0.9280	0.9733	0.9689	
	A27	5655	1.0000	0.9963	1.0006	1.0025	0.9972	0.9926	0.9953	0.9936	0.9933	0.9887	0.9335	0.9795	0.9764	
	A28	5572	1.0000	0.9955	1.0002	1.0018	0.9974	0.9954	0.9968	0.9952	0.9952	0.9719	0.9381	0.9827	0.9778	
	A29	5508	1.0000	0.9957	1.0000	1.0032	0.9975	0.9948	0.9972	0.9960	0.9963	0.9727	0.9915	0.9839	0.9820	
	A31	6173	1.0000	0.9942	1.0060	1.0071	1.0033	0.9920	0.9932	0.9943	0.9949	0.9781	0.9917	0.9865	0.9830	
	A32	6064	1.0000	0.9932	1.0049	1.0058	1.0026	0.9915	0.9922	0.9919	0.9925	0.9726	0.9897	0.9855	0.9819	
	A33	6306	1.0000	0.9934	1.0044	1.0057	1.0023	0.9921	0.9938	0.9937	0.9941	0.9813	0.9923	0.9853	0.9829	
	A34	6302	1.0000	0.9939	1.0050	1.0057	1.0024	0.9941	0.9947	0.9935	0.9947	0.9709	0.9906	0.9866	0.9840	
	A35	6073	1.0000	0.9946	1.0047	1.0057	1.0019	0.9936	0.9941	0.9949	0.9964	0.9922	0.9340	0.9880	0.9877	
	A36	5554	1.0000	1.0071	1.0157	1.0186	1.0164	1.0135	1.0175	1.0227	1.0258	1.0223	1.0245	1.0206	1.0205	
	A37	5517	1.0000	1.0071	1.0169	1.0203	1.0190	1.0175	1.0217	1.0229	1.0319	1.0338	1.0371	1.0343	1.0338	
	A39	5787	1.0000	1.0044	1.0135	1.0159	1.0141	1.0146	1.0177	1.0196	1.0217	1.0067	1.0219	1.0279	1.0278	
	A40	6101	1.0000	1.0044	1.0160	1.0199	1.0178	1.0192	1.0232	1.0275	1.0321	1.0154	1.0329	1.0302	1.0289	
	ave	**5942**	**1.0000**	**0.9970**	**1.0060**	**1.0083**	**1.0045**	**0.9987**	**1.0005**	**0.9999**	**1.0005**	**0.9871**	**0.9812**	**0.9934**	**0.9901**	

$T_S = T_{AIR} = 55°C, I_F = 0.35A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 27: CCT = 4000K, T_J = 69	B1	4020	1.3321E-06	1.0562	0.245	308,823
	B2	4017	-2.0191E-06	1.0504	0.201	-201,020
	B3	4143	1.4791E-06	1.0363	0.827	265,245
	B4	4219	6.9722E-07	1.0390	0.954	566,371
	B5	4200	-1.5166E-06	1.0608	0.171	-274,089
	B6	4131	1.4716E-06	1.0393	0.680	268,564
	B7	4276	1.1575E-07	1.0342	0.037	3,372,435
	B8	4090	1.6050E-06	1.0313	0.170	241,430
	B9	4128	-3.0474E-06	1.0320	0.528	-127,366
	B10	4160	-8.5897E-06	1.0372	0.461	-45,779
	B11	3988	1.2668E-06	1.0402	0.814	312,703
	B12	3918	-2.8316E-06	1.0337	0.633	-137,674
	B14	3946	-1.8105E-06	1.0316	0.489	-214,184
	B16	4315	-3.3361E-06	1.0440	0.494	-119,812
	B17	4215	4.2670E-07	1.0507	0.242	951,697
	B18	4143	-5.3209E-07	1.0430	0.264	-749,382
	B19	4116	-3.6123E-06	1.0455	0.569	-111,045
	B20	4256	-2.6944E-06	1.0411	0.335	-147,329
	B21	4193	-5.8397E-07	1.0477	0.393	-690,583
	B22	4146	-4.3450E-06	1.0522	0.415	-93,794
	B23	4183	-1.2804E-07	1.0331	0.017	-3,040,019
	B24	4242	-6.4482E-07	1.0435	0.186	-619,128
	B25	4144	-6.3425E-06	1.0629	0.317	-65,853
	B26	3930	-2.5202E-06	1.0284	0.569	-152,632
	B27	3851	-6.1871E-06	1.0244	0.580	-61,548
	ave	**4119**	**-1.7052E-06**	**1.0416**	**0.364**	**-233,062**

DATA SET 33: CCT > 5000K, T_J = 68C	A6	6398	2.6591E-06	1.0122	0.761	138,681
	A8	6023	3.5611E-06	1.0295	0.907	108,331
	A11	6106	2.5264E-06	0.9807	0.057	133,445
	A13	5797	3.1069E-06	0.9877	0.080	110,803
	A14	5921	1.0711E-06	0.9857	0.051	319,522
	A15	5876	1.7676E-06	0.9916	0.165	197,003
	A17	6278	-8.9882E-07	1.0024	0.036	-399,500
	A19	5986	6.8133E-10	1.0058	0.000	531,964,394
	A20	6066	1.0381E-08	1.0141	0.000	35,711,152
	A21	5870	4.9553E-06	1.0129	0.746	74,569
	A22	5829	6.4465E-06	1.0159	0.233	57,770
	A23	6065	5.2960E-06	1.0114	0.889	69,490
	A26	5717	5.7053E-06	1.0078	0.205	63,872
	A27	5655	5.3319E-06	1.0117	0.179	69,086
	A28	5572	4.6148E-06	1.0064	0.156	78,664
	A29	5508	2.5621E-06	1.0036	0.260	140,621
	A31	6173	1.9657E-06	1.0008	0.290	181,843
	A32	6064	1.5541E-06	0.9957	0.143	226,708
	A33	6306	2.0012E-06	1.0012	0.413	178,823
	A34	6302	1.5057E-06	0.9964	0.100	234,479
	A35	6073	3.4891E-06	1.0045	0.069	103,511
	A36	5554	6.7528E-07	1.0272	0.381	567,993
	A37	5517	-1.7991E-06	1.0203	0.501	-209,410
	A39	5787	-2.0966E-06	1.0071	0.263	-173,484
	A40	6101	-5.3177E-07	1.0243	0.025	-715,854
	ave	**5942**	**2.1812E-06**	**1.0062**	**0.293**	**166,349**

$T_S = T_{AIR} = 55°C, I_F = 0.35A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

u'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 27: CCT = 4000K, T_J = 69	B1	4020	0.2262	0.2258	0.2257	0.2257	0.2253	0.2252	0.2252	0.2251	0.2250	0.2251				
	B2	4017	0.2268	0.2263	0.2263	0.2261	0.2258	0.2260	0.2259	0.2259	0.2258	0.2258				
	B3	4143	0.2258	0.2253	0.2253	0.2250	0.2247	0.2246	0.2245	0.2245	0.2244	0.2244				
	B4	4219	0.2241	0.2236	0.2235	0.2233	0.2230	0.2233	0.2232	0.2232	0.2231	0.2231				
	B5	4200	0.2246	0.2239	0.2239	0.2237	0.2233	0.2251	0.2251	0.2251	0.2249	0.2249				
	B6	4131	0.2255	0.2250	0.2250	0.2247	0.2244	0.2245	0.2244	0.2244	0.2243	0.2243				
	B7	4276	0.2244	0.2240	0.2240	0.2237	0.2234	0.2237	0.2236	0.2236	0.2235	0.2234				
	B8	4090	0.2272	0.2267	0.2268	0.2265	0.2263	0.2263	0.2262	0.2262	0.2261	0.2260				
	B9	4128	0.2246	0.2242	0.2241	0.2239	0.2237	0.2240	0.2239	0.2238	0.2237	0.2237				
	B10	4160	0.2244	0.2238	0.2236	0.2238	0.2236	0.2249	0.2248	0.2248	0.2246	0.2246				
	B11	3988	0.2265	0.2260	0.2260	0.2258	0.2255	0.2254	0.2254	0.2253	0.2252	0.2252				
	B12	3918	0.2268	0.2264	0.2264	0.2263	0.2262	0.2260	0.2259	0.2258	0.2256	0.2256				
	B14	3946	0.2261	0.2257	0.2257	0.2256	0.2254	0.2255	0.2254	0.2254	0.2252	0.2252				
	B16	4315	0.2233	0.2229	0.2229	0.2227	0.2225	0.2225	0.2225	0.2225	0.2223	0.2223				
	B17	4215	0.2235	0.2231	0.2230	0.2228	0.2226	0.2225	0.2224	0.2224	0.2223	0.2223				
	B18	4143	0.2262	0.2257	0.2257	0.2255	0.2252	0.2252	0.2251	0.2251	0.2249	0.2249				
	B19	4116	0.2251	0.2247	0.2246	0.2244	0.2243	0.2247	0.2246	0.2247	0.2245	0.2244				
	B20	4256	0.2236	0.2230	0.2230	0.2229	0.2227	0.2230	0.2228	0.2228	0.2227	0.2227				
	B21	4193	0.2234	0.2229	0.2230	0.2228	0.2226	0.2229	0.2229	0.2229	0.2228	0.2227				
	B22	4146	0.2243	0.2238	0.2238	0.2236	0.2236	0.2239	0.2239	0.2239	0.2238	0.2237				
	B23	4183	0.2238	0.2233	0.2233	0.2231	0.2230	0.2229	0.2227	0.2227	0.2225	0.2225				
	B24	4242	0.2238	0.2234	0.2234	0.2233	0.2230	0.2228	0.2227	0.2227	0.2226	0.2226				
	B25	4144	0.2253	0.2248	0.2248	0.2244	0.2242	0.2259	0.2259	0.2258	0.2257	0.2256				
	B26	3930	0.2267	0.2261	0.2262	0.2261	0.2260	0.2257	0.2257	0.2257	0.2255	0.2255				
	B27	3851	0.2282	0.2277	0.2278	0.2278	0.2276	0.2273	0.2271	0.2271	0.2269	0.2269				
	ave	**4119**														
DATA SET 33: CCT > 5000K, T_J = 68C	A6	6398	0.2099	0.2098	0.2099	0.2099	0.2099	0.2100	0.2098	0.2099	0.2099	0.2099	0.2100	0.2100	0.2101	
	A8	6023	0.2085	0.2084	0.2086	0.2085	0.2085	0.2085	0.2084	0.2084	0.2084	0.2084	0.2084	0.2085	0.2086	
	A11	6106	0.2079	0.2078	0.2079	0.2079	0.2079	0.2079	0.2079	0.2079	0.2079	0.2080	0.2079	0.2080	0.2080	
	A13	5797	0.2086	0.2085	0.2086	0.2086	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2084	0.2086	0.2087	
	A14	5921	0.2087	0.2086	0.2087	0.2087	0.2087	0.2086	0.2087	0.2087	0.2087	0.2087	0.2087	0.2087	0.2088	
	A15	5876	0.2087	0.2087	0.2087	0.2087	0.2087	0.2087	0.2087	0.2087	0.2087	0.2088	0.2088	0.2088	0.2088	
	A17	6278	0.2024	0.2022	0.2024	0.2024	0.2024	0.2024	0.2024	0.2024	0.2025	0.2025	0.2025	0.2025	0.2025	
	A19	5986	0.2031	0.2030	0.2032	0.2031	0.2032	0.2031	0.2031	0.2031	0.2032	0.2031	0.2032	0.2032	0.2032	
	A20	6066	0.2033	0.2032	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2034	0.2034	
	A21	5870	0.2037	0.2036	0.2037	0.2037	0.2038	0.2036	0.2036	0.2037	0.2037	0.2038	0.2038	0.2038	0.2039	
	A22	5829	0.2037	0.2036	0.2037	0.2037	0.2038	0.2037	0.2037	0.2037	0.2038	0.2038	0.2037	0.2039	0.2039	
	A23	6065	0.2038	0.2037	0.2038	0.2038	0.2039	0.2037	0.2037	0.2038	0.2038	0.2038	0.2039	0.2039	0.2040	
	A26	5717	0.2109	0.2108	0.2109	0.2109	0.2109	0.2108	0.2108	0.2108	0.2108	0.2109	0.2108	0.2109	0.2110	
	A27	5655	0.2107	0.2106	0.2107	0.2107	0.2107	0.2106	0.2106	0.2106	0.2106	0.2106	0.2105	0.2107	0.2107	
	A28	5572	0.2106	0.2105	0.2106	0.2106	0.2106	0.2105	0.2105	0.2105	0.2105	0.2105	0.2104	0.2105	0.2106	
	A29	5508	0.2105	0.2104	0.2105	0.2104	0.2105	0.2104	0.2103	0.2103	0.2103	0.2103	0.2104	0.2104	0.2105	
	A31	6173	0.2085	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2085	0.2085	0.2086	0.2086	
	A32	6064	0.2085	0.2084	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2086	0.2086	
	A33	6306	0.2083	0.2083	0.2083	0.2084	0.2084	0.2083	0.2083	0.2083	0.2083	0.2083	0.2084	0.2084	0.2085	
	A34	6302	0.2084	0.2083	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2085	0.2085	
	A35	6073	0.2084	0.2084	0.2084	0.2084	0.2085	0.2086	0.2086	0.2086	0.2086	0.2087	0.2085	0.2087	0.2087	
	A36	5554	0.1999	0.1998	0.1999	0.1999	0.1999	0.1997	0.1997	0.1996	0.1997	0.1997	0.1997	0.1997	0.1997	
	A37	5517	0.1994	0.1993	0.1995	0.1995	0.1995	0.1994	0.1994	0.1994	0.1993	0.1993	0.1993	0.1994	0.1993	
	A39	5787	0.2004	0.2003	0.2004	0.2004	0.2004	0.2004	0.2004	0.2004	0.2004	0.2004	0.2004	0.2004	0.2004	
	A40	6101	0.1994	0.1992	0.1995	0.1994	0.1995	0.1995	0.1995	0.1995	0.1995	0.1994	0.1994	0.1995	0.1995	
	ave	**5942**														

$T_S = T_{AIR} = 55°C, I_F = 0.35A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

		CCT	v'													
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 27: CCT = 4000K, T_J = 69	B1	4020	0.4980	0.4981	0.4986	0.4987	0.4983	0.4987	0.4985	0.4985	0.4986	0.4987				
	B2	4017	0.4970	0.4971	0.4977	0.4976	0.4970	0.4984	0.4981	0.4982	0.4982	0.4983				
	B3	4143	0.4926	0.4926	0.4930	0.4929	0.4921	0.4928	0.4926	0.4927	0.4927	0.4928				
	B4	4219	0.4923	0.4923	0.4928	0.4924	0.4919	0.4933	0.4931	0.4932	0.4932	0.4932				
	B5	4200	0.4922	0.4921	0.4927	0.4926	0.4919	0.4959	0.4956	0.4958	0.4958	0.4957				
	B6	4131	0.4937	0.4935	0.4939	0.4937	0.4930	0.4942	0.4939	0.4941	0.4941	0.4941				
	B7	4276	0.4890	0.4889	0.4895	0.4893	0.4887	0.4901	0.4898	0.4899	0.4899	0.4900				
	B8	4090	0.4923	0.4923	0.4929	0.4928	0.4924	0.4933	0.4930	0.4931	0.4931	0.4932				
	B9	4128	0.4958	0.4958	0.4962	0.4962	0.4958	0.4971	0.4967	0.4967	0.4966	0.4967				
	B10	4160	0.4946	0.4944	0.4948	0.4954	0.4951	0.4979	0.4976	0.4977	0.4976	0.4976				
	B11	3988	0.4993	0.4993	0.4998	0.4997	0.4993	0.4999	0.4996	0.4998	0.4998	0.4998				
	B12	3918	0.5026	0.5026	0.5032	0.5032	0.5028	0.5033	0.5030	0.5028	0.5028	0.5028				
	B14	3946	0.5026	0.5026	0.5031	0.5031	0.5027	0.5035	0.5033	0.5034	0.5033	0.5033				
	B16	4315	0.4894	0.4895	0.4901	0.4901	0.4897	0.4906	0.4904	0.4905	0.4905	0.4904				
	B17	4215	0.4936	0.4937	0.4943	0.4943	0.4934	0.4945	0.4941	0.4942	0.4942	0.4943				
	B18	4143	0.4916	0.4917	0.4922	0.4921	0.4917	0.4924	0.4922	0.4924	0.4923	0.4923				
	B19	4116	0.4952	0.4953	0.4958	0.4958	0.4954	0.4970	0.4968	0.4969	0.4969	0.4968				
	B20	4256	0.4916	0.4916	0.4921	0.4922	0.4919	0.4931	0.4927	0.4928	0.4927	0.4928				
	B21	4193	0.4949	0.4949	0.4955	0.4955	0.4953	0.4966	0.4965	0.4966	0.4965	0.4965				
	B22	4146	0.4954	0.4955	0.4961	0.4961	0.4958	0.4973	0.4972	0.4973	0.4972	0.4972				
	B23	4183	0.4947	0.4947	0.4953	0.4953	0.4950	0.4955	0.4951	0.4953	0.4953	0.4952				
	B24	4242	0.4916	0.4917	0.4922	0.4922	0.4918	0.4922	0.4918	0.4920	0.4920	0.4920				
	B25	4144	0.4936	0.4933	0.4939	0.4936	0.4933	0.4970	0.4967	0.4968	0.4968	0.4968				
	B26	3930	0.5023	0.5022	0.5028	0.5029	0.5027	0.5032	0.5030	0.5032	0.5031	0.5031				
	B27	3851	0.5037	0.5036	0.5041	0.5044	0.5041	0.5044	0.5042	0.5042	0.5042	0.5042				
	ave	**4119**														
DATA SET 33: CCT > 5000K, T_J = 68C	A6	6398	0.4568	0.4567	0.4562	0.4563	0.4564	0.4553	0.4547	0.4547	0.4548	0.4549	0.4550	0.4550	0.4552	
	A8	6023	0.4646	0.4643	0.4641	0.4641	0.4641	0.4624	0.4616	0.4616	0.4617	0.4617	0.4619	0.4620	0.4622	
	A11	6106	0.4638	0.4634	0.4630	0.4629	0.4629	0.4616	0.4620	0.4619	0.4619	0.4618	0.4614	0.4622	0.4622	
	A13	5797	0.4688	0.4685	0.4680	0.4679	0.4675	0.4660	0.4664	0.4666	0.4666	0.4664	0.4660	0.4670	0.4672	
	A14	5921	0.4662	0.4660	0.4655	0.4653	0.4651	0.4638	0.4643	0.4643	0.4644	0.4641	0.4646	0.4646	0.4648	
	A15	5876	0.4670	0.4669	0.4663	0.4662	0.4663	0.4652	0.4657	0.4657	0.4658	0.4658	0.4657	0.4659	0.4661	
	A17	6278	0.4672	0.4670	0.4670	0.4669	0.4672	0.4662	0.4663	0.4664	0.4665	0.4660	0.4664	0.4662	0.4665	
	A19	5986	0.4717	0.4717	0.4717	0.4717	0.4720	0.4707	0.4709	0.4710	0.4710	0.4707	0.4710	0.4712	0.4712	
	A20	6066	0.4700	0.4699	0.4701	0.4700	0.4703	0.4692	0.4693	0.4693	0.4693	0.4691	0.4693	0.4694	0.4696	
	A21	5870	0.4734	0.4733	0.4734	0.4733	0.4736	0.4716	0.4718	0.4718	0.4720	0.4718	0.4720	0.4720	0.4722	
	A22	5829	0.4742	0.4741	0.4742	0.4741	0.4745	0.4726	0.4728	0.4728	0.4729	0.4729	0.4723	0.4730	0.4731	
	A23	6065	0.4694	0.4693	0.4695	0.4694	0.4698	0.4675	0.4676	0.4676	0.4677	0.4676	0.4676	0.4675	0.4675	
	A26	5717	0.4675	0.4674	0.4667	0.4668	0.4668	0.4649	0.4651	0.4653	0.4653	0.4653	0.4648	0.4660	0.4659	
	A27	5655	0.4691	0.4690	0.4685	0.4686	0.4686	0.4668	0.4668	0.4668	0.4670	0.4670	0.4665	0.4675	0.4676	
	A28	5572	0.4710	0.4709	0.4704	0.4705	0.4705	0.4685	0.4687	0.4688	0.4689	0.4688	0.4685	0.4695	0.4695	
	A29	5508	0.4726	0.4725	0.4721	0.4721	0.4722	0.4704	0.4704	0.4705	0.4707	0.4705	0.4709	0.4712	0.4712	
	A31	6173	0.4620	0.4619	0.4617	0.4617	0.4621	0.4610	0.4613	0.4614	0.4615	0.4616	0.4617	0.4619	0.4619	
	A32	6064	0.4638	0.4636	0.4635	0.4636	0.4639	0.4627	0.4631	0.4631	0.4632	0.4629	0.4632	0.4633	0.4633	
	A33	6306	0.4599	0.4597	0.4596	0.4597	0.4601	0.4589	0.4592	0.4590	0.4592	0.4589	0.4592	0.4594	0.4595	
	A34	6302	0.4600	0.4597	0.4598	0.4599	0.4602	0.4589	0.4594	0.4593	0.4594	0.4591	0.4594	0.4596	0.4596	
	A35	6073	0.4637	0.4636	0.4636	0.4637	0.4641	0.4641	0.4646	0.4646	0.4647	0.4647	0.4640	0.4649	0.4648	
	A36	5554	0.4855	0.4852	0.4851	0.4851	0.4851	0.4838	0.4841	0.4840	0.4840	0.4839	0.4839	0.4840	0.4840	
	A37	5517	0.4870	0.4868	0.4868	0.4867	0.4868	0.4861	0.4864	0.4864	0.4862	0.4860	0.4859	0.4862	0.4860	
	A39	5787	0.4792	0.4791	0.4792	0.4791	0.4793	0.4785	0.4788	0.4789	0.4789	0.4786	0.4788	0.4790	0.4787	
	A40	6101	0.4738	0.4736	0.4739	0.4738	0.4740	0.4735	0.4739	0.4737	0.4737	0.4733	0.4735	0.4738	0.4737	
	ave	**5942**														

$T_S = T_{AIR} = 55°C, I_F = 0.35A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 27: CCT = 4000K, T_J = 69	B1	4020	0.0000	0.0004	0.0008	0.0009	0.0009	0.0012	0.0011	0.0012	0.0013	0.0013				
	B2	4017	0.0000	0.0005	0.0009	0.0009	0.0010	0.0016	0.0014	0.0015	0.0016	0.0016				
	B3	4143	0.0000	0.0005	0.0006	0.0009	0.0012	0.0012	0.0013	0.0013	0.0014	0.0014				
	B4	4219	0.0000	0.0005	0.0008	0.0008	0.0012	0.0013	0.0012	0.0013	0.0013	0.0013				
	B5	4200	0.0000	0.0007	0.0009	0.0010	0.0013	0.0037	0.0034	0.0036	0.0036	0.0035				
	B6	4131	0.0000	0.0005	0.0005	0.0008	0.0013	0.0011	0.0011	0.0012	0.0013	0.0013				
	B7	4276	0.0000	0.0004	0.0006	0.0008	0.0010	0.0013	0.0011	0.0012	0.0013	0.0014				
	B8	4090	0.0000	0.0005	0.0007	0.0009	0.0009	0.0013	0.0012	0.0013	0.0014	0.0015				
	B9	4128	0.0000	0.0004	0.0006	0.0008	0.0009	0.0014	0.0011	0.0012	0.0012	0.0013				
	B10	4160	0.0000	0.0006	0.0008	0.0010	0.0009	0.0033	0.0030	0.0031	0.0030	0.0030				
	B11	3988	0.0000	0.0005	0.0007	0.0008	0.0010	0.0013	0.0011	0.0013	0.0014	0.0014				
	B12	3918	0.0000	0.0004	0.0007	0.0008	0.0006	0.0011	0.0010	0.0010	0.0012	0.0012				
	B14	3946	0.0000	0.0004	0.0006	0.0007	0.0007	0.0011	0.0010	0.0011	0.0011	0.0011				
	B16	4315	0.0000	0.0004	0.0008	0.0009	0.0009	0.0014	0.0013	0.0014	0.0015	0.0014				
	B17	4215	0.0000	0.0004	0.0009	0.0010	0.0009	0.0013	0.0012	0.0013	0.0013	0.0014				
	B18	4143	0.0000	0.0005	0.0008	0.0009	0.0010	0.0013	0.0013	0.0014	0.0015	0.0015				
	B19	4116	0.0000	0.0004	0.0008	0.0009	0.0008	0.0018	0.0017	0.0017	0.0018	0.0017				
	B20	4256	0.0000	0.0006	0.0008	0.0009	0.0009	0.0016	0.0014	0.0014	0.0014	0.0015				
	B21	4193	0.0000	0.0005	0.0007	0.0008	0.0009	0.0018	0.0017	0.0018	0.0017	0.0017				
	B22	4146	0.0000	0.0005	0.0009	0.0010	0.0008	0.0019	0.0018	0.0019	0.0019	0.0019				
	B23	4183	0.0000	0.0005	0.0008	0.0009	0.0009	0.0012	0.0012	0.0013	0.0014	0.0014				
	B24	4242	0.0000	0.0004	0.0007	0.0008	0.0008	0.0012	0.0011	0.0012	0.0013	0.0013				
	B25	4144	0.0000	0.0006	0.0006	0.0009	0.0011	0.0035	0.0032	0.0032	0.0032	0.0032				
	B26	3930	0.0000	0.0006	0.0007	0.0008	0.0008	0.0013	0.0012	0.0013	0.0014	0.0014				
	B27	3851	0.0000	0.0005	0.0006	0.0008	0.0007	0.0011	0.0012	0.0012	0.0014	0.0014				
	ave	**4119**	**0.0000**	**0.0005**	**0.0007**	**0.0009**	**0.0009**	**0.0016**	**0.0015**	**0.0016**	**0.0016**	**0.0017**				
DATA SET 33: CCT > 5000K, T_J = 68C	A6	6398	0.0000	0.0001	0.0006	0.0005	0.0004	0.0015	0.0021	0.0021	0.0020	0.0019	0.0018	0.0018	0.0016	
	A8	6023	0.0000	0.0003	0.0005	0.0005	0.0005	0.0022	0.0030	0.0030	0.0029	0.0029	0.0027	0.0026	0.0024	
	A11	6106	0.0000	0.0004	0.0008	0.0009	0.0009	0.0022	0.0018	0.0019	0.0019	0.0020	0.0024	0.0016	0.0016	
	A13	5797	0.0000	0.0003	0.0008	0.0009	0.0013	0.0028	0.0024	0.0022	0.0022	0.0024	0.0028	0.0018	0.0016	
	A14	5921	0.0000	0.0002	0.0007	0.0009	0.0011	0.0024	0.0019	0.0019	0.0018	0.0021	0.0016	0.0016	0.0014	
	A15	5876	0.0000	0.0001	0.0007	0.0008	0.0007	0.0018	0.0013	0.0013	0.0012	0.0012	0.0013	0.0011	0.0009	
	A17	6278	0.0000	0.0003	0.0002	0.0003	0.0000	0.0010	0.0009	0.0008	0.0007	0.0012	0.0008	0.0010	0.0007	
	A19	5986	0.0000	0.0001	0.0001	0.0000	0.0003	0.0010	0.0008	0.0007	0.0007	0.0010	0.0007	0.0005	0.0005	
	A20	6066	0.0000	0.0001	0.0001	0.0000	0.0003	0.0008	0.0007	0.0007	0.0007	0.0009	0.0007	0.0006	0.0004	
	A21	5870	0.0000	0.0001	0.0000	0.0001	0.0002	0.0018	0.0016	0.0016	0.0014	0.0016	0.0014	0.0014	0.0012	
	A22	5829	0.0000	0.0001	0.0000	0.0001	0.0003	0.0016	0.0014	0.0014	0.0013	0.0013	0.0019	0.0012	0.0011	
	A23	6065	0.0000	0.0001	0.0001	0.0000	0.0004	0.0019	0.0018	0.0018	0.0017	0.0018	0.0018	0.0019	0.0019	
	A26	5717	0.0000	0.0001	0.0008	0.0007	0.0007	0.0026	0.0024	0.0022	0.0022	0.0022	0.0027	0.0015	0.0016	
	A27	5655	0.0000	0.0001	0.0006	0.0005	0.0005	0.0023	0.0023	0.0023	0.0021	0.0021	0.0026	0.0016	0.0015	
	A28	5572	0.0000	0.0001	0.0006	0.0005	0.0005	0.0025	0.0023	0.0022	0.0021	0.0022	0.0025	0.0015	0.0015	
	A29	5508	0.0000	0.0001	0.0005	0.0005	0.0004	0.0022	0.0022	0.0021	0.0019	0.0021	0.0017	0.0014	0.0014	
	A31	6173	0.0000	0.0001	0.0003	0.0003	0.0001	0.0010	0.0007	0.0006	0.0005	0.0004	0.0003	0.0001	0.0001	
	A32	6064	0.0000	0.0002	0.0003	0.0002	0.0001	0.0011	0.0007	0.0007	0.0006	0.0009	0.0006	0.0005	0.0005	
	A33	6306	0.0000	0.0002	0.0003	0.0002	0.0002	0.0010	0.0007	0.0009	0.0007	0.0010	0.0007	0.0005	0.0004	
	A34	6302	0.0000	0.0003	0.0002	0.0001	0.0002	0.0011	0.0006	0.0007	0.0006	0.0009	0.0006	0.0004	0.0004	
	A35	6073	0.0000	0.0001	0.0001	0.0000	0.0004	0.0004	0.0009	0.0009	0.0010	0.0010	0.0003	0.0012	0.0011	
	A36	5554	0.0000	0.0003	0.0004	0.0004	0.0004	0.0017	0.0014	0.0015	0.0015	0.0016	0.0016	0.0015	0.0015	
	A37	5517	0.0000	0.0002	0.0002	0.0003	0.0002	0.0009	0.0006	0.0006	0.0008	0.0010	0.0011	0.0008	0.0010	
	A39	5787	0.0000	0.0001	0.0000	0.0001	0.0001	0.0007	0.0004	0.0003	0.0003	0.0006	0.0004	0.0002	0.0005	
	A40	6101	0.0000	0.0003	0.0001	0.0000	0.0002	0.0003	0.0001	0.0001	0.0001	0.0005	0.0003	0.0001	0.0001	
	ave	**5942**	**0.0000**	**0.0002**	**0.0004**	**0.0004**	**0.0004**	**0.0016**	**0.0014**	**0.0014**	**0.0013**	**0.0015**	**0.0014**	**0.0011**	**0.0011**	

$T_S = T_{AIR} = 55°C, I_F = 0.35A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 27: CCT = 4000K, T_J = 69	B1	4020	3.354	3.346	3.230	3.146	3.093	3.062	3.047	3.032	3.036	3.033				
	B2	4017	3.380	3.300	3.225	3.178	3.147	3.136	3.126	3.120	3.118	3.119				
	B3	4143	3.374	3.331	3.253	3.203	3.168	3.164	3.150	3.144	3.143	3.139				
	B4	4219	3.295	3.237	3.155	3.104	3.069	3.061	3.050	3.044	3.042	3.029				
	B5	4200	3.305	3.179	3.116	3.084	3.064	3.062	3.050	3.050	3.050	3.046				
	B6	4131	3.285	3.232	3.145	3.088	3.052	3.038	3.033	3.020	3.020	3.016				
	B7	4276	3.281	3.211	3.133	3.084	3.054	3.045	3.042	3.027	3.035	3.024				
	B8	4090	3.306	3.263	3.171	3.105	3.062	3.043	3.035	3.022	3.021	3.016				
	B9	4128	3.267	3.216	3.139	3.087	3.058	3.043	3.038	3.030	3.030	3.025				
	B10	4160	3.332	3.307	3.223	3.157	3.115	3.091	3.085	3.068	3.068	3.060				
	B11	3988	3.356	3.296	3.201	3.131	3.086	3.066	3.057	3.048	3.036	3.040				
	B12	3918	3.392	3.325	3.231	3.164	3.118	3.093	3.081	3.068	3.074	3.065				
	B14	3946	3.388	3.340	3.257	3.208	3.173	3.164	3.160	3.144	3.143	3.135				
	B16	4315	3.331	3.266	3.195	3.145	3.114	3.100	3.105	3.091	3.092	3.087				
	B17	4215	3.275	3.226	3.159	3.123	3.098	3.091	3.088	3.077	3.073	3.068				
	B18	4143	3.298	3.233	3.161	3.108	3.076	3.063	3.053	3.046	3.047	3.044				
	B19	4116	3.479	3.412	3.327	3.253	3.206	3.182	3.158	3.158	3.148	3.143				
	B20	4256	3.321	3.263	3.194	3.144	3.114	3.102	3.095	3.089	3.090	3.085				
	B21	4193	3.351	3.324	3.236	3.167	3.117	3.093	3.086	3.068	3.066	3.063				
	B22	4146	3.325	3.258	3.185	3.141	3.112	3.097	3.096	3.094	3.088	3.089				
	B23	4183	3.289	3.235	3.166	3.129	3.105	3.097	3.092	3.086	3.089	3.085				
	B24	4242	3.284	3.230	3.167	3.135	3.112	3.107	3.092	3.090	3.089	3.075				
	B25	4144	3.384	3.348	3.258	3.189	3.138	3.117	3.102	3.095	3.086	3.087				
	B26	3930	3.345	3.314	3.228	3.162	3.114	3.094	3.086	3.072	3.070	3.063				
	B27	3851	3.326	3.298	3.211	3.142	3.093	3.068	3.053	3.043	3.039	3.037				
	ave	**4119**	**3.333**													
DATA SET 33: CCT > 5000K, T_J = 68C	A6	6398	3.062	3.058	3.065	3.064	3.060	3.056	3.052	3.050	3.050	3.049	3.049	3.049	3.048	
	A8	6023	3.089	3.083	3.096	3.094	3.089	3.083	3.077	3.075	3.073	3.074	3.073	3.074	3.072	
	A11	6106	3.597	3.308	3.281	3.280	3.249	3.233	3.217	3.208	3.203	3.203	3.194	3.191	3.192	
	A13	5797	3.617	3.317	3.289	3.288	3.257	3.239	3.220	3.208	3.207	3.206	3.198	3.192	3.193	
	A14	5921	3.592	3.315	3.287	3.286	3.253	3.236	3.221	3.208	3.206	3.203	3.198	3.192	3.189	
	A15	5876	3.597	3.316	3.288	3.286	3.255	3.236	3.219	3.210	3.206	3.203	3.195	3.194	3.192	
	A17	6278	3.108	3.097	3.105	3.103	3.102	3.097	3.093	3.093	3.093	3.095	3.090	3.092	3.092	
	A19	5986	3.099	3.093	3.101	3.097	3.096	3.093	3.089	3.090	3.089	3.090	3.088	3.089	3.089	
	A20	6066	3.094	3.087	3.098	3.094	3.093	3.089	3.086	3.086	3.086	3.086	3.083	3.086	3.083	
	A21	5870	3.143	3.129	3.140	3.138	3.134	3.128	3.122	3.120	3.119	3.118	3.119	3.118	3.115	
	A22	5829	3.147	3.137	3.143	3.141	3.138	3.133	3.126	3.125	3.124	3.123	3.121	3.120	3.118	
	A23	6065	3.146	3.137	3.144	3.140	3.134	3.131	3.127	3.125	3.122	3.123	3.121	3.122	3.118	
	A26	5717	3.012	3.011	3.014	3.014	3.010	3.006	3.004	3.005	3.004	3.004	3.004	3.005	3.004	
	A27	5655	3.010	3.011	3.016	3.012	3.009	3.005	3.001	3.003	3.005	3.003	3.002	3.004	3.002	
	A28	5572	3.010	3.007	3.012	3.010	3.010	3.006	3.004	3.003	3.004	3.000	3.002	3.004	3.003	
	A29	5508	3.010	3.011	3.012	3.011	3.009	3.005	3.005	3.004	3.004	3.002	3.003	3.004	3.003	
	A31	6173	3.091	3.088	3.095	3.091	3.087	3.083	3.078	3.081	3.079	3.075	3.078	3.078	3.076	
	A32	6064	3.087	3.088	3.094	3.091	3.086	3.084	3.080	3.079	3.079	3.074	3.078	3.078	3.075	
	A33	6306	3.089	3.088	3.094	3.092	3.088	3.082	3.081	3.081	3.078	3.078	3.077	3.079	3.074	
	A34	6302	3.089	3.085	3.091	3.089	3.086	3.081	3.077	3.075	3.077	3.075	3.077	3.074	3.073	
	A35	6073	3.085	3.083	3.091	3.088	3.086	3.081	3.077	3.076	3.075	3.075	3.074	3.075	3.073	
	A36	5554	3.590	3.417	3.393	3.391	3.367	3.350	3.334	3.325	3.320	3.320	3.314	3.310	3.305	
	A37	5517	3.612	3.430	3.404	3.401	3.375	3.356	3.339	3.329	3.328	3.323	3.318	3.311	3.308	
	A39	5787	3.550	3.401	3.383	3.376	3.355	3.336	3.321	3.314	3.309	3.307	3.301	3.293	3.292	
	A40	6101	3.569	3.412	3.388	3.386	3.358	3.343	3.326	3.318	3.315	3.310	3.306	3.301	3.296	
	ave	**5942**	**3.244**													

$T_S = T_{AIR} = 85°C$, $I_F = 0.35A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	% at 6khours
DATA SET 2: CCT = 2650K, T_J = 94C	A11	2597	65.387	64.669	64.506	64.313	63.945	64.046	65.174	65.084	64.912	64.792					**99.1**
	A12	2561	64.451	63.685	63.441	63.236	63.117	63.101	64.251	63.977	63.882	64.180					**99.6**
	A13	2606	65.539	64.697	64.496	64.397	64.191	64.308	65.676	65.464	65.341	65.661					**100.2**
	A14	2633	70.970	70.338	69.865	69.591	69.382	69.343	70.563	70.254	70.097	70.423					**99.2**
	A15	2525	66.562	65.898	65.502	65.143	64.845	64.760	65.886	65.556	65.349	65.615					**98.6**
	A16	2554	67.675	66.728	66.400	66.114	65.966	66.209	67.380	67.251	66.905	67.278					**99.4**
	A17	2595	66.877	66.254	66.005	65.803	65.654	65.782	66.909	66.633	66.553	66.854					**100.0**
	A18	2595	66.250	65.646	65.329	65.114	64.949	65.052	66.235	65.923	65.803	66.078					**99.7**
	A19	2622	71.289	70.760	70.281	69.985	69.804	69.856	70.556	70.309	70.208	70.498					**98.9**
	A20	2599	66.382	65.803	65.591	65.377	65.164	65.227	67.117	66.729	66.617	66.911					**100.8**
	A31	2552	64.146	63.522	63.346	63.099	62.907	62.722	64.510	64.217	64.153	64.431					**100.4**
	A32	2610	65.192	64.376	64.237	63.974	63.838	63.741	65.430	65.071	64.841	65.129					**99.9**
	A33	2596	69.624	69.135	68.663	68.314	68.025	67.877	69.531	69.255	69.104	69.403					**99.7**
	A34	2603	68.884	68.182	67.801	67.514	67.183	67.218	69.073	68.715	68.670	68.974					**100.1**
	A35	2577	69.015	68.367	67.940	67.605	67.365	67.083	68.489	68.212	68.119	68.354					**99.0**
	A36	2572	63.825	63.136	63.106	62.874	62.626	62.782	64.368	64.205	64.140	64.412					**100.9**
	A37	2573	65.006	64.291	64.114	63.896	63.656	63.591	65.160	64.817	64.782	64.875					**99.8**
	A38	2589	69.932	69.259	68.823	68.494	68.226	68.129	69.458	69.161	69.058	69.244					**99.0**
	A39	2543	66.541	66.044	65.630	65.209	64.881	64.973	66.275	65.853	65.768	65.874					**99.0**
	A40	2592	67.586	67.206	66.772	66.338	66.012	66.148	67.202	66.876	66.779	66.918					**99.0**
	A51	2597	67.679	67.018	66.880	66.564	66.236	65.989	66.975	66.940	66.903	66.948					**98.9**
	A52	2640	69.462	68.740	68.455	68.152	67.865	67.677	68.888	68.755	68.667	68.581					**98.7**
	A53	2614	71.865	71.619	71.564	71.162	70.874	70.786	72.023	71.744	71.567	71.279					**99.2**
	A54	2578	66.330	65.880	65.734	65.564	65.311	65.192	66.574	66.206	66.008	66.263					**99.9**
	A55	2617	66.272	65.828	65.739	65.547	65.224	65.183	66.542	66.396	66.125	66.375					**100.2**
	ave	**2590**															**99.6**
DATA SET 11: CCT = 3000K, T_J = 94C	A2	2899	68.482	67.905	67.698	67.571	67.648	67.807	69.460	69.345	69.340	69.449					**101.4**
	A3	2939	70.390	69.573	69.377	69.358	69.410	69.916	71.867	71.845	71.496	71.462					**101.5**
	A4	2967	70.260	69.482	69.212	68.976	68.846	69.047	70.477	70.142	69.984	70.164					**99.9**
	A5	2947	72.438	71.841	71.588	71.343	71.187	71.523	73.037	72.859	72.943	73.341					**101.2**
	A6	2974	73.398	72.789	72.575	72.288	72.095	72.361	73.866	73.742	73.822	74.176					**101.1**
	A7	2967	70.830	70.123	69.851	69.588	69.406	69.658	70.807	70.463	70.343	70.456					**99.5**
	A8	2969	71.025	70.282	70.111	70.053	70.156	70.433	71.878	71.809	71.710	71.684					**100.9**
	A9	2858	69.083	68.299	68.060	67.944	67.917	68.397	69.733	69.597	69.666	69.987					**101.3**
	A10	2868	70.380	69.680	69.445	69.237	69.072	69.363	70.537	70.224	70.319	70.347					**100.0**
	A21	2956	71.189	70.646	70.487	70.352	70.198	70.535	72.296	72.081	71.931	72.141					**101.3**
	A22	3013	74.165	73.474	73.218	73.016	72.891	73.084	74.980	74.718	74.775	75.154					**101.3**
	A23	2961	74.256	73.807	73.580	73.323	73.125	73.314	75.137	75.003	75.132	75.522					**101.7**
	A24	3038	77.648	77.036	76.777	76.535	76.336	76.689	78.269	78.205	78.277	78.676					**101.3**
	A25	2954	74.433	73.924	73.724	73.421	73.263	73.560	75.228	75.026	75.094	75.566					**101.5**
	A26	2907	70.209	69.614	69.385	69.149	68.991	69.154	70.772	70.416	70.235	70.389					**100.3**
	A27	2938	72.206	71.505	71.220	71.106	71.109	71.602	73.572	73.558	73.327	73.245					**101.4**
	A28	2942	71.872	71.077	70.774	70.695	70.714	71.029	72.813	72.679	72.367	72.301					**100.6**
	A29	3025	79.031	78.653	78.396	78.172	78.041	78.299	79.931	79.854	80.017	80.606					**102.0**
	A30	2962	73.515	72.872	72.621	72.349	72.217	72.433	74.031	73.795	73.856	74.241					**101.0**
	A41	2942	73.050	73.160	72.987	72.825	72.637	72.776	74.180	73.593	73.012	72.960					**99.9**
	A42	2973	75.519	74.872	74.653	74.447	74.192	74.140	75.971	75.933	75.968	76.292					**101.0**
	A43	2949	73.660	73.020	72.564	72.136	72.026	71.930	73.287	72.987	72.772	73.011					**99.1**
	A44	2937	74.020	73.285	73.133	72.941	72.698	72.665	73.895	73.665	73.465	73.687					**99.6**
	A45	2965	75.084	75.052	74.896	74.766	74.573	74.790	76.141	75.517	74.885	74.870					**99.7**
	A46	2962	74.245	73.630	73.497	73.244	73.003	73.061	74.675	74.344	74.219	74.451					**100.3**
	ave	**2952**															**100.8**
DATA SET 20: CCT = 3500K, T_J = 98C	A4	3410	70.768	70.986	71.799	72.588	72.795	72.668	72.216	72.224	71.185	71.034					**100.4**
	A5	3340	71.509	72.770	73.748	74.318	74.629	81.605	81.252	80.264	79.276	79.272					**110.9**
	A6	3352	71.688	72.734	73.431	74.501	74.849	76.416	76.128	76.448	75.749	75.943					**105.9**
	A7	3425	66.768	67.200	68.433	69.942	70.362	67.985	67.705	68.279	67.570	66.958					**100.3**
	A8	3336	66.454	67.106	68.152	69.304	69.697	69.786	69.358	69.085	69.874	69.838					**105.1**
	A9	3618	69.058	70.668	71.580	71.875	72.075	68.518	68.558	68.790	67.269	66.033					**95.6**
	A10	3414	68.097	69.484	70.266	70.469	70.567	82.696	82.830	83.685	84.249	83.218					**122.2**
	A11	3459	69.559	70.756	71.800	72.314	72.673	71.310	70.968	69.544	68.917	68.850					**99.0**
	A12	3502	69.237	69.977	70.930	71.642	72.076	71.446	71.232	70.392	69.890	69.729					**100.7**
	A13	3580	68.908	70.349	71.688	72.215	72.701	71.635	70.300	70.082	69.693	69.572					**101.0**
	A18	3496	65.125	65.738	66.723	67.747	68.241	68.428	68.371	68.982	67.930	67.769					**104.1**
	A19	3539	67.932	68.544	69.814	70.704	71.153	70.986	70.959	71.060	70.459	69.441					**102.2**
	A20	3479	67.587	68.256	69.114	69.880	70.388	71.885	72.163	71.993	70.890	70.700					**104.6**
	A21	3593	71.848	72.912	73.872	74.642	74.964	75.194	75.043	75.032	74.417	73.280					**102.0**
	A22	3584	72.213	72.629	73.834	74.273	74.624	74.827	74.734	74.954	74.076	73.142					**101.3**
	A23	3772	69.888	70.562	71.153	71.480	71.611	71.996	71.859	71.936	71.056	69.909					**100.0**
	A24	3480	70.235	70.858	71.909	72.351	72.768	72.535	72.523	71.461	70.612	70.447					**100.3**
	A25	3490	69.103	70.375	71.463	72.052	72.404	76.793	77.031	75.912	75.287	74.840					**108.3**
	A41	3446	68.122	69.126	70.172	71.018	71.390	71.527	71.443	71.552	70.951	70.066					**102.9**
	A42	3419	67.743	68.426	69.265	69.818	70.114	69.628	69.423	69.356	68.162	67.541					**99.7**
	A56	3476	64.304	63.795	63.923	64.170	64.513	63.395	63.367	63.510	62.897	61.868					**96.2**
	A57	3445	62.455	61.838	62.052	62.284	62.613	63.148	63.236	63.019	62.202	61.914					**99.1**
	A59	3740	66.639	67.362	68.549	69.024	69.563	68.260	67.898	66.966	66.139	65.880					**98.9**
	A70	3703	66.495	67.269	68.175	68.772	69.152	70.085	69.866	68.761	68.120	67.927					**102.2**
	B11	3703	66.578	67.394	68.357	69.129	69.574	69.040	69.138	69.361	68.613	68.500					**102.9**
	ave	**3512**															**102.6**

$T_S = T_{AIR} = 85°C$, $I_F = 0.35A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

		CCT	Normalized flux												
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 2: CCT = 2650K, T_J = 94C	A11	2597	1.0000	0.9890	0.9865	0.9836	0.9779	0.9795	0.9967	0.9954	0.9927	0.9909				
	A12	2561	1.0000	0.9881	0.9843	0.9811	0.9793	0.9791	0.9969	0.9926	0.9912	0.9958				
	A13	2606	1.0000	0.9872	0.9841	0.9826	0.9794	0.9812	1.0021	0.9989	0.9970	1.0019				
	A14	2633	1.0000	0.9911	0.9844	0.9806	0.9776	0.9771	0.9943	0.9899	0.9877	0.9923				
	A15	2525	1.0000	0.9900	0.9841	0.9787	0.9742	0.9729	0.9898	0.9849	0.9818	0.9858				
	A16	2554	1.0000	0.9860	0.9812	0.9769	0.9748	0.9783	0.9956	0.9937	0.9886	0.9941				
	A17	2595	1.0000	0.9907	0.9870	0.9839	0.9817	0.9836	1.0005	0.9964	0.9951	0.9997				
	A18	2595	1.0000	0.9909	0.9861	0.9829	0.9804	0.9819	0.9998	0.9951	0.9933	0.9974				
	A19	2622	1.0000	0.9926	0.9859	0.9817	0.9792	0.9799	0.9897	0.9862	0.9848	0.9889				
	A20	2599	1.0000	0.9913	0.9881	0.9849	0.9817	0.9826	1.0111	1.0052	1.0035	1.0080				
	A31	2552	1.0000	0.9903	0.9875	0.9837	0.9807	0.9778	1.0057	1.0011	1.0001	1.0044				
	A32	2610	1.0000	0.9875	0.9854	0.9813	0.9792	0.9778	1.0037	0.9981	0.9946	0.9990				
	A33	2596	1.0000	0.9930	0.9862	0.9812	0.9770	0.9749	0.9987	0.9947	0.9925	0.9968				
	A34	2603	1.0000	0.9898	0.9843	0.9801	0.9753	0.9758	1.0027	0.9975	0.9969	1.0013				
	A35	2577	1.0000	0.9906	0.9844	0.9796	0.9761	0.9720	0.9924	0.9884	0.9870	0.9904				
	A36	2572	1.0000	0.9892	0.9887	0.9851	0.9812	0.9837	1.0085	1.0060	1.0049	1.0092				
	A37	2573	1.0000	0.9890	0.9863	0.9829	0.9792	0.9782	1.0024	0.9971	0.9965	0.9980				
	A38	2589	1.0000	0.9904	0.9842	0.9794	0.9756	0.9742	0.9932	0.9890	0.9875	0.9902				
	A39	2543	1.0000	0.9925	0.9863	0.9800	0.9750	0.9764	0.9960	0.9897	0.9884	0.9900				
	A40	2592	1.0000	0.9944	0.9880	0.9815	0.9767	0.9787	0.9943	0.9895	0.9881	0.9901				
	A51	2597	1.0000	0.9902	0.9882	0.9835	0.9787	0.9750	0.9896	0.9891	0.9885	0.9892				
	A52	2640	1.0000	0.9896	0.9855	0.9811	0.9770	0.9743	0.9917	0.9898	0.9886	0.9873				
	A53	2614	1.0000	0.9966	0.9958	0.9902	0.9862	0.9850	1.0022	0.9983	0.9959	0.9919				
	A54	2578	1.0000	0.9932	0.9910	0.9884	0.9846	0.9828	1.0037	0.9981	0.9951	0.9990				
	A55	2617	1.0000	0.9933	0.9920	0.9891	0.9842	0.9836	1.0041	1.0019	0.9978	1.0016				
	ave	**2590**	**1.0000**	**0.9907**	**0.9866**	**0.9826**	**0.9789**	**0.9787**	**0.9986**	**0.9947**	**0.9927**	**0.9957**				
DATA SET 11: CCT = 3000K, T_J = 94C	A2	2899	1.0000	0.9916	0.9886	0.9867	0.9878	0.9901	1.0143	1.0126	1.0125	1.0141				
	A3	2939	1.0000	0.9884	0.9856	0.9853	0.9861	0.9933	1.0210	1.0207	1.0157	1.0152				
	A4	2967	1.0000	0.9889	0.9851	0.9817	0.9799	0.9827	1.0031	0.9983	0.9961	0.9986				
	A5	2947	1.0000	0.9918	0.9883	0.9849	0.9827	0.9874	1.0083	1.0058	1.0070	1.0125				
	A6	2974	1.0000	0.9917	0.9888	0.9849	0.9822	0.9859	1.0064	1.0047	1.0058	1.0106				
	A7	2967	1.0000	0.9900	0.9862	0.9825	0.9799	0.9835	0.9997	0.9948	0.9931	0.9947				
	A8	2969	1.0000	0.9895	0.9871	0.9863	0.9878	0.9917	1.0120	1.0110	1.0096	1.0093				
	A9	2858	1.0000	0.9887	0.9852	0.9835	0.9831	0.9901	1.0094	1.0074	1.0084	1.0131				
	A10	2868	1.0000	0.9901	0.9867	0.9838	0.9814	0.9856	1.0022	0.9978	0.9991	0.9995				
	A21	2956	1.0000	0.9924	0.9901	0.9882	0.9861	0.9908	1.0155	1.0125	1.0104	1.0134				
	A22	3013	1.0000	0.9907	0.9872	0.9845	0.9828	0.9854	1.0110	1.0074	1.0082	1.0133				
	A23	2961	1.0000	0.9939	0.9909	0.9874	0.9848	0.9873	1.0119	1.0101	1.0118	1.0171				
	A24	3038	1.0000	0.9921	0.9888	0.9857	0.9831	0.9877	1.0080	1.0072	1.0081	1.0132				
	A25	2954	1.0000	0.9932	0.9905	0.9864	0.9843	0.9883	1.0107	1.0080	1.0089	1.0152				
	A26	2907	1.0000	0.9915	0.9883	0.9849	0.9827	0.9850	1.0080	1.0029	1.0004	1.0026				
	A27	2938	1.0000	0.9903	0.9863	0.9848	0.9848	0.9916	1.0189	1.0187	1.0155	1.0144				
	A28	2942	1.0000	0.9889	0.9847	0.9836	0.9839	0.9883	1.0131	1.0112	1.0069	1.0060				
	A29	3025	1.0000	0.9952	0.9920	0.9891	0.9875	0.9907	1.0114	1.0104	1.0125	1.0199				
	A30	2962	1.0000	0.9912	0.9878	0.9841	0.9823	0.9853	1.0070	1.0038	1.0046	1.0099				
	A41	2942	1.0000	1.0015	0.9991	0.9969	0.9943	0.9962	1.0155	1.0074	0.9995	0.9988				
	A42	2973	1.0000	0.9914	0.9885	0.9858	0.9824	0.9817	1.0060	1.0055	1.0060	1.0102				
	A43	2949	1.0000	0.9913	0.9851	0.9793	0.9778	0.9765	0.9949	0.9909	0.9879	0.9912				
	A44	2937	1.0000	0.9901	0.9880	0.9854	0.9821	0.9817	0.9983	0.9952	0.9925	0.9955				
	A45	2965	1.0000	0.9996	0.9975	0.9958	0.9932	0.9961	1.0141	1.0058	0.9973	0.9972				
	A46	2962	1.0000	0.9917	0.9899	0.9865	0.9833	0.9840	1.0058	1.0013	0.9996	1.0028				
	ave	**2952**	**1.0000**	**0.9918**	**0.9887**	**0.9859**	**0.9843**	**0.9875**	**1.0091**	**1.0061**	**1.0047**	**1.0075**				
DATA SET 20: CCT = 3500K, T_J = 98C	A4	3410	1.0000	1.0031	1.0146	1.0257	1.0286	1.0268	1.0205	1.0206	1.0059	1.0038				
	A5	3340	1.0000	1.0176	1.0313	1.0393	1.0436	1.1412	1.1362	1.1224	1.1086	1.1086				
	A6	3352	1.0000	1.0146	1.0243	1.0392	1.0441	1.0659	1.0619	1.0664	1.0566	1.0593				
	A7	3425	1.0000	1.0065	1.0249	1.0475	1.0538	1.0182	1.0140	1.0226	1.0120	1.0028				
	A8	3336	1.0000	1.0098	1.0256	1.0429	1.0488	1.0501	1.0437	1.0396	1.0515	1.0509				
	A9	3618	1.0000	1.0233	1.0365	1.0408	1.0437	0.9922	0.9928	0.9961	0.9741	0.9562				
	A10	3414	1.0000	1.0204	1.0318	1.0348	1.0363	1.2144	1.2164	1.2289	1.2372	1.2221				
	A11	3459	1.0000	1.0172	1.0322	1.0396	1.0448	1.0252	1.0203	0.9998	0.9908	0.9898				
	A12	3502	1.0000	1.0107	1.0245	1.0347	1.0410	1.0319	1.0288	1.0167	1.0094	1.0071				
	A13	3580	1.0000	1.0209	1.0404	1.0480	1.0551	1.0396	1.0202	1.0170	1.0114	1.0096				
	A18	3496	1.0000	1.0094	1.0245	1.0403	1.0478	1.0507	1.0498	1.0592	1.0431	1.0406				
	A19	3539	1.0000	1.0090	1.0277	1.0408	1.0474	1.0450	1.0446	1.0460	1.0372	1.0222				
	A20	3479	1.0000	1.0099	1.0226	1.0339	1.0414	1.0636	1.0677	1.0652	1.0489	1.0461				
	A21	3593	1.0000	1.0148	1.0282	1.0389	1.0434	1.0466	1.0445	1.0443	1.0357	1.0199				
	A22	3584	1.0000	1.0058	1.0224	1.0285	1.0334	1.0362	1.0349	1.0380	1.0258	1.0129				
	A23	3772	1.0000	1.0096	1.0181	1.0228	1.0247	1.0302	1.0282	1.0293	1.0167	1.0003				
	A24	3480	1.0000	1.0089	1.0238	1.0301	1.0361	1.0327	1.0326	1.0175	1.0054	1.0030				
	A25	3490	1.0000	1.0184	1.0342	1.0427	1.0478	1.1113	1.1147	1.0985	1.0895	1.0830				
	A41	3446	1.0000	1.0147	1.0301	1.0425	1.0480	1.0500	1.0487	1.0503	1.0415	1.0285				
	A42	3419	1.0000	1.0101	1.0225	1.0306	1.0350	1.0278	1.0248	1.0238	1.0062	0.9970				
	A56	3476	1.0000	0.9921	0.9941	0.9979	1.0033	0.9859	0.9854	0.9877	0.9781	0.9621				
	A57	3445	1.0000	0.9901	0.9935	0.9973	1.0025	1.0111	1.0125	1.0090	0.9959	0.9913				
	A59	3740	1.0000	1.0108	1.0287	1.0358	1.0439	1.0243	1.0189	1.0049	0.9925	0.9886				
	A70	3703	1.0000	1.0116	1.0253	1.0342	1.0400	1.0540	1.0507	1.0341	1.0244	1.0215				
	B11	3703	1.0000	1.0123	1.0267	1.0383	1.0450	1.0370	1.0385	1.0418	1.0306	1.0289				
	ave	**3512**	**1.0000**	**1.0109**	**1.0243**	**1.0339**	**1.0392**	**1.0485**	**1.0461**	**1.0432**	**1.0332**	**1.0263**				

$T_S = T_{AIR} = 85°C$, $I_F = 0.35A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 2: CCT = 2650K, T_J = 94C	A11	2597	-2.9916E-06	0.9785	0.461	-111,970
	A12	2561	-3.3182E-06	0.9777	0.588	-100,691
	A13	2606	-4.5079E-06	0.9778	0.654	-74,145
	A14	2633	-2.9293E-06	0.9764	0.531	-113,604
	A15	2525	-2.3196E-06	0.9736	0.400	-142,236
	A16	2554	-3.6538E-06	0.9750	0.571	-90,677
	A17	2595	-3.4680E-06	0.9808	0.624	-97,263
	A18	2595	-3.3118E-06	0.9798	0.561	-101,551
	A19	2622	-1.7449E-06	0.9788	0.521	-192,124
	A20	2599	-5.4230E-06	0.9798	0.596	-62,013
	A31	2552	-5.2225E-06	0.9769	0.611	-63,817
	A32	2610	-4.1699E-06	0.9777	0.500	-80,115
	A33	2596	-4.2890E-06	0.9743	0.578	-77,097
	A34	2603	-5.4427E-06	0.9728	0.635	-60,470
	A35	2577	-3.2800E-06	0.9731	0.526	-100,434
	A36	2572	-5.7787E-06	0.9788	0.697	-58,021
	A37	2573	-4.1483E-06	0.9776	0.543	-80,509
	A38	2589	-3.1538E-06	0.9741	0.524	-104,777
	A39	2543	-3.0300E-06	0.9755	0.450	-109,521
	A40	2592	-2.6223E-06	0.9772	0.483	-127,224
	A51	2597	-2.6906E-06	0.9758	0.590	-123,446
	A52	2640	-2.6883E-06	0.9755	0.462	-123,464
	A53	2614	-1.6449E-06	0.9875	0.201	-209,193
	A54	2578	-2.9736E-06	0.9836	0.437	-114,379
	A55	2617	-3.6666E-06	0.9828	0.544	-92,538
	ave	**2590**	**-3.5416E-06**	**0.9777**	**0.553**	**-94,328**
DATA SET 11: CCT = 3000K, T_J = 94C	A2	2899	-5.6233E-06	0.9856	0.694	-60,847
	A3	2939	-6.0679E-06	0.9874	0.572	-56,686
	A4	2967	-3.7274E-06	0.9802	0.532	-90,327
	A5	2947	-5.8727E-06	0.9802	0.788	-57,326
	A6	2974	-5.7299E-06	0.9794	0.791	-58,608
	A7	2967	-2.8454E-06	0.9811	0.481	-118,649
	A8	2969	-4.5898E-06	0.9875	0.627	-74,974
	A9	2858	-5.8067E-06	0.9817	0.786	-58,246
	A10	2868	-3.6578E-06	0.9816	0.625	-92,434
	A21	2956	-5.4963E-06	0.9856	0.640	-62,250
	A22	3013	-6.2273E-06	0.9797	0.736	-53,983
	A23	2961	-6.6567E-06	0.9806	0.793	-50,640
	A24	3038	-6.0474E-06	0.9802	0.811	-55,669
	A25	2954	-6.1143E-06	0.9813	0.783	-55,239
	A26	2907	-4.0500E-06	0.9828	0.516	-83,796
	A27	2938	-6.2628E-06	0.9854	0.608	-54,603
	A28	2942	-4.7185E-06	0.9851	0.509	-72,405
	A29	3025	-6.4538E-06	0.9829	0.853	-52,589
	A30	2962	-5.5242E-06	0.9796	0.753	-60,843
	A41	2942	-6.8484E-07	0.9995	0.026	-520,129
	A42	2973	-6.0619E-06	0.9776	0.760	-55,103
	A43	2949	-2.8205E-06	0.9768	0.467	-118,145
	A44	2937	-2.7790E-06	0.9813	0.512	-121,547
	A45	2965	-4.4132E-07	0.9990	0.011	-806,012
	A46	2962	-4.0270E-06	0.9822	0.574	-84,100
	ave	**2952**	**-4.7365E-06**	**0.9834**	**0.647**	**-71,761**
DATA SET 20: CCT = 3500K, T_J = 98C	A4	3410	5.2635E-06	1.0366	0.904	74,589
	A5	3340	-5.7893E-06	1.0874	0.112	-76,078
	A6	3352	-1.4413E-06	1.0537	0.119	-283,767
	A7	3425	7.3676E-06	1.0471	0.652	54,662
	A8	3336	-2.8461E-07	1.0464	0.014	-1,412,524
	A9	3618	1.3988E-05	1.0419	0.800	28,436
	A10	3414	-2.5447E-05	1.0889	0.487	-17,362
	A11	3459	1.1224E-05	1.0521	0.944	36,302
	A12	3502	6.9549E-06	1.0476	0.971	57,972
	A13	3580	8.7303E-06	1.0572	0.876	47,223
	A18	3496	1.3610E-06	1.0535	0.167	300,381
	A19	3539	4.0783E-06	1.0553	0.677	100,659
	A20	3479	6.2835E-07	1.0577	0.012	656,989
	A21	3593	4.1402E-06	1.0542	0.629	98,896
	A22	3584	3.6454E-06	1.0434	0.545	109,493
	A23	3772	4.5311E-06	1.0378	0.559	86,912
	A24	3480	7.3558E-06	1.0477	0.912	54,829
	A25	3490	-2.6130E-06	1.0806	0.047	-166,184
	A41	3446	3.3241E-06	1.0567	0.583	123,895
	A42	3419	7.1937E-06	1.0450	0.899	55,700
	A56	3476	6.5920E-06	1.0066	0.813	55,108
	A57	3445	2.9964E-06	1.0143	0.421	123,767
	A59	3740	1.0871E-05	1.0513	0.971	37,407
	A70	3703	5.4483E-06	1.0573	0.629	75,701
	B11	3703	2.6624E-06	1.0466	0.677	151,086
	ave	**3512**	**3.1266E-06**	**1.0508**	**0.522**	**129,924**

$T_S = T_{AIR} = 85°C$, $I_F = 0.35A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

			u'													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 2: CCT = 2650K, T_J = 94C	A11	2597	0.2672	0.2659	0.2653	0.2650	0.2647	0.2643	0.2637	0.2637	0.2637	0.2637				
	A12	2561	0.2690	0.2677	0.2672	0.2667	0.2665	0.2660	0.2655	0.2655	0.2654	0.2654				
	A13	2606	0.2667	0.2654	0.2648	0.2644	0.2642	0.2636	0.2631	0.2631	0.2631	0.2630				
	A14	2633	0.2657	0.2644	0.2638	0.2633	0.2631	0.2626	0.2621	0.2622	0.2621	0.2621				
	A15	2525	0.2711	0.2698	0.2692	0.2687	0.2685	0.2680	0.2674	0.2674	0.2675	0.2673				
	A16	2554	0.2693	0.2679	0.2673	0.2669	0.2667	0.2660	0.2655	0.2654	0.2655	0.2654				
	A17	2595	0.2674	0.2660	0.2654	0.2650	0.2647	0.2642	0.2638	0.2637	0.2637	0.2637				
	A18	2595	0.2674	0.2661	0.2655	0.2651	0.2648	0.2642	0.2637	0.2638	0.2638	0.2637				
	A19	2622	0.2658	0.2645	0.2638	0.2635	0.2631	0.2626	0.2622	0.2622	0.2622	0.2621				
	A20	2599	0.2667	0.2654	0.2648	0.2643	0.2640	0.2634	0.2628	0.2628	0.2628	0.2627				
	A31	2552	0.2693	0.2679	0.2673	0.2669	0.2666	0.2662	0.2655	0.2655	0.2655	0.2653				
	A32	2610	0.2665	0.2652	0.2646	0.2642	0.2640	0.2634	0.2628	0.2628	0.2628	0.2627				
	A33	2596	0.2671	0.2658	0.2652	0.2647	0.2645	0.2640	0.2634	0.2634	0.2634	0.2633				
	A34	2603	0.2664	0.2651	0.2646	0.2642	0.2639	0.2632	0.2627	0.2627	0.2627	0.2626				
	A35	2577	0.2681	0.2668	0.2662	0.2658	0.2655	0.2651	0.2645	0.2645	0.2645	0.2644				
	A36	2572	0.2680	0.2668	0.2663	0.2658	0.2656	0.2649	0.2644	0.2643	0.2643	0.2643				
	A37	2573	0.2684	0.2672	0.2666	0.2662	0.2659	0.2654	0.2648	0.2648	0.2648	0.2645				
	A38	2589	0.2675	0.2662	0.2656	0.2651	0.2648	0.2643	0.2637	0.2637	0.2637	0.2636				
	A39	2543	0.2698	0.2684	0.2679	0.2676	0.2674	0.2664	0.2658	0.2658	0.2657	0.2657				
	A40	2592	0.2673	0.2658	0.2654	0.2651	0.2648	0.2638	0.2632	0.2632	0.2632	0.2632				
	A51	2597	0.2673	0.2660	0.2654	0.2650	0.2647	0.2643	0.2638	0.2638	0.2638	0.2637				
	A52	2640	0.2648	0.2636	0.2630	0.2626	0.2624	0.2619	0.2614	0.2614	0.2614	0.2614				
	A53	2614	0.2666	0.2654	0.2648	0.2644	0.2640	0.2635	0.2631	0.2631	0.2630	0.2629				
	A54	2578	0.2685	0.2672	0.2666	0.2661	0.2658	0.2653	0.2648	0.2648	0.2648	0.2647				
	A55	2617	0.2661	0.2648	0.2643	0.2638	0.2635	0.2629	0.2623	0.2623	0.2623	0.2621				
	ave	**2590**														
DATA SET 11: CCT = 3000K, T_J = 94C	A2	2899	0.2540	0.2530	0.2527	0.2525	0.2523	0.2519	0.2515	0.2514	0.2514	0.2513				
	A3	2939	0.2519	0.2510	0.2507	0.2504	0.2503	0.2498	0.2494	0.2494	0.2493	0.2492				
	A4	2967	0.2511	0.2502	0.2498	0.2496	0.2494	0.2489	0.2485	0.2485	0.2485	0.2484				
	A5	2947	0.2516	0.2506	0.2503	0.2501	0.2499	0.2495	0.2490	0.2490	0.2490	0.2490				
	A6	2974	0.2506	0.2497	0.2493	0.2491	0.2490	0.2485	0.2481	0.2481	0.2481	0.2480				
	A7	2967	0.2510	0.2500	0.2496	0.2494	0.2493	0.2488	0.2484	0.2484	0.2483	0.2483				
	A8	2969	0.2508	0.2499	0.2496	0.2493	0.2492	0.2488	0.2484	0.2484	0.2483	0.2482				
	A9	2858	0.2555	0.2545	0.2542	0.2540	0.2538	0.2533	0.2529	0.2529	0.2530	0.2529				
	A10	2868	0.2550	0.2541	0.2537	0.2535	0.2533	0.2528	0.2525	0.2524	0.2525	0.2523				
	A21	2956	0.2516	0.2506	0.2503	0.2501	0.2500	0.2493	0.2489	0.2488	0.2488	0.2488				
	A22	3013	0.2494	0.2484	0.2480	0.2479	0.2477	0.2473	0.2469	0.2469	0.2468	0.2467				
	A23	2961	0.2515	0.2506	0.2503	0.2500	0.2499	0.2494	0.2490	0.2491	0.2490	0.2489				
	A24	3038	0.2486	0.2477	0.2474	0.2472	0.2470	0.2465	0.2461	0.2461	0.2461	0.2459				
	A25	2954	0.2515	0.2506	0.2503	0.2501	0.2499	0.2494	0.2490	0.2490	0.2490	0.2488				
	A26	2907	0.2539	0.2529	0.2526	0.2524	0.2522	0.2516	0.2510	0.2510	0.2510	0.2509				
	A27	2938	0.2523	0.2514	0.2511	0.2509	0.2507	0.2501	0.2496	0.2495	0.2494	0.2494				
	A28	2942	0.2524	0.2514	0.2511	0.2509	0.2507	0.2502	0.2497	0.2498	0.2497	0.2496				
	A29	3025	0.2493	0.2483	0.2480	0.2478	0.2476	0.2471	0.2467	0.2467	0.2467	0.2465				
	A30	2962	0.2518	0.2508	0.2505	0.2502	0.2501	0.2495	0.2491	0.2492	0.2491	0.2491				
	A41	2942	0.2530	0.2521	0.2516	0.2514	0.2512	0.2507	0.2503	0.2503	0.2502	0.2502				
	A42	2973	0.2512	0.2503	0.2499	0.2496	0.2495	0.2491	0.2487	0.2487	0.2487	0.2487				
	A43	2949	0.2522	0.2512	0.2509	0.2506	0.2504	0.2498	0.2494	0.2494	0.2494	0.2494				
	A44	2937	0.2530	0.2521	0.2517	0.2514	0.2512	0.2509	0.2505	0.2505	0.2505	0.2504				
	A45	2965	0.2521	0.2511	0.2507	0.2505	0.2503	0.2498	0.2493	0.2493	0.2493	0.2491				
	A46	2962	0.2518	0.2508	0.2504	0.2502	0.2499	0.2494	0.2490	0.2490	0.2490	0.2489				
	ave	**2952**														
DATA SET 20: CCT = 3500K, T_J = 98C	A4	3410	0.2379	0.2372	0.2370	0.2368	0.2366	0.2367	0.2367	0.2364	0.2361	0.2359				
	A5	3340	0.2381	0.2374	0.2373	0.2371	0.2369	0.2379	0.2377	0.2371	0.2372	0.2371				
	A6	3352	0.2386	0.2379	0.2377	0.2376	0.2374	0.2381	0.2381	0.2379	0.2378	0.2376				
	A7	3425	0.2385	0.2378	0.2377	0.2374	0.2372	0.2383	0.2383	0.2381	0.2377	0.2373				
	A8	3336	0.2398	0.2391	0.2390	0.2387	0.2386	0.2395	0.2395	0.2389	0.2384	0.2383				
	A9	3618	0.2363	0.2356	0.2354	0.2352	0.2351	0.2361	0.2362	0.2355	0.2353	0.2349				
	A10	3414	0.2402	0.2394	0.2392	0.2390	0.2389	0.2410	0.2409	0.2406	0.2403	0.2402				
	A11	3459	0.2403	0.2393	0.2390	0.2387	0.2385	0.2389	0.2387	0.2383	0.2383	0.2382				
	A12	3502	0.2385	0.2374	0.2371	0.2369	0.2367	0.2370	0.2368	0.2364	0.2362	0.2362				
	A13	3580	0.2364	0.2355	0.2352	0.2350	0.2348	0.2350	0.2346	0.2345	0.2343	0.2343				
	A18	3496	0.2374	0.2368	0.2366	0.2364	0.2363	0.2363	0.2363	0.2359	0.2355	0.2354				
	A19	3539	0.2360	0.2352	0.2351	0.2349	0.2348	0.2348	0.2348	0.2346	0.2345	0.2342				
	A20	3479	0.2384	0.2376	0.2375	0.2374	0.2371	0.2374	0.2371	0.2368	0.2366	0.2366				
	A21	3593	0.2345	0.2339	0.2337	0.2336	0.2334	0.2334	0.2333	0.2332	0.2331	0.2328				
	A22	3584	0.2346	0.2339	0.2338	0.2336	0.2334	0.2333	0.2332	0.2330	0.2330	0.2328				
	A23	3772	0.2278	0.2272	0.2269	0.2266	0.2264	0.2261	0.2259	0.2257	0.2255	0.2251				
	A24	3480	0.2390	0.2382	0.2380	0.2379	0.2376	0.2374	0.2372	0.2367	0.2366	0.2366				
	A25	3490	0.2390	0.2380	0.2378	0.2375	0.2373	0.2383	0.2380	0.2377	0.2376	0.2375				
	A41	3446	0.2374	0.2367	0.2366	0.2365	0.2363	0.2363	0.2362	0.2361	0.2360	0.2357				
	A42	3419	0.2388	0.2380	0.2378	0.2377	0.2374	0.2375	0.2374	0.2372	0.2369	0.2367				
	A56	3476	0.2388	0.2375	0.2371	0.2369	0.2367	0.2368	0.2369	0.2367	0.2365	0.2361				
	A57	3445	0.2401	0.2384	0.2381	0.2378	0.2376	0.2378	0.2378	0.2373	0.2371	0.2370				
	A59	3740	0.2287	0.2278	0.2275	0.2272	0.2268	0.2270	0.2269	0.2264	0.2262	0.2259				
	A70	3703	0.2291	0.2281	0.2278	0.2275	0.2273	0.2269	0.2267	0.2262	0.2261	0.2260				
	B11	3703	0.2299	0.2289	0.2285	0.2283	0.2280	0.2280	0.2278	0.2276	0.2275	0.2275				
	ave	**3512**														

$T_S = T_{AIR} = 85°C$, $I_F = 0.35A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

		CCT	v'													
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 2: CCT = 2650K, T_J = 94C	A11	2597	0.5298	0.5295	0.5294	0.5294	0.5297	0.5295	0.5291	0.5290	0.5291	0.5293				
	A12	2561	0.5306	0.5303	0.5302	0.5302	0.5304	0.5301	0.5299	0.5299	0.5299	0.5300				
	A13	2606	0.5300	0.5297	0.5297	0.5297	0.5299	0.5295	0.5291	0.5291	0.5292	0.5293				
	A14	2633	0.5279	0.5276	0.5274	0.5275	0.5277	0.5275	0.5271	0.5271	0.5272	0.5273				
	A15	2525	0.5292	0.5289	0.5288	0.5288	0.5289	0.5287	0.5284	0.5284	0.5284	0.5285				
	A16	2554	0.5311	0.5307	0.5307	0.5307	0.5309	0.5304	0.5301	0.5300	0.5301	0.5301				
	A17	2595	0.5293	0.5289	0.5288	0.5289	0.5290	0.5289	0.5286	0.5286	0.5287	0.5287				
	A18	2595	0.5296	0.5292	0.5291	0.5292	0.5294	0.5291	0.5288	0.5288	0.5289	0.5289				
	A19	2622	0.5306	0.5303	0.5302	0.5302	0.5305	0.5301	0.5299	0.5298	0.5299	0.5300				
	A20	2599	0.5323	0.5320	0.5318	0.5318	0.5320	0.5316	0.5312	0.5312	0.5313	0.5313				
	A31	2552	0.5316	0.5313	0.5312	0.5312	0.5314	0.5313	0.5308	0.5308	0.5309	0.5309				
	A32	2610	0.5298	0.5295	0.5294	0.5294	0.5296	0.5294	0.5289	0.5289	0.5289	0.5290				
	A33	2596	0.5307	0.5304	0.5303	0.5303	0.5305	0.5303	0.5300	0.5299	0.5300	0.5301				
	A34	2603	0.5325	0.5322	0.5322	0.5322	0.5323	0.5317	0.5314	0.5314	0.5315	0.5316				
	A35	2577	0.5304	0.5301	0.5300	0.5300	0.5301	0.5301	0.5298	0.5297	0.5298	0.5299				
	A36	2572	0.5329	0.5327	0.5326	0.5327	0.5328	0.5324	0.5321	0.5321	0.5322	0.5323				
	A37	2573	0.5304	0.5302	0.5301	0.5301	0.5303	0.5301	0.5297	0.5297	0.5298	0.5298				
	A38	2589	0.5305	0.5302	0.5301	0.5302	0.5303	0.5300	0.5297	0.5296	0.5297	0.5297				
	A39	2543	0.5311	0.5309	0.5308	0.5309	0.5310	0.5307	0.5304	0.5303	0.5304	0.5304				
	A40	2592	0.5308	0.5305	0.5305	0.5305	0.5307	0.5304	0.5301	0.5301	0.5301	0.5301				
	A51	2597	0.5294	0.5290	0.5289	0.5289	0.5291	0.5291	0.5288	0.5287	0.5288	0.5290				
	A52	2640	0.5308	0.5305	0.5304	0.5304	0.5306	0.5304	0.5301	0.5301	0.5302	0.5304				
	A53	2614	0.5279	0.5275	0.5275	0.5275	0.5278	0.5275	0.5272	0.5272	0.5272	0.5274				
	A54	2578	0.5281	0.5276	0.5274	0.5273	0.5274	0.5269	0.5266	0.5265	0.5265	0.5266				
	A55	2617	0.5305	0.5301	0.5300	0.5300	0.5301	0.5297	0.5293	0.5292	0.5292	0.5293				
	ave	**2590**														
DATA SET 11: CCT = 3000K, T_J = 94C	A2	2899	0.5245	0.5242	0.5241	0.5241	0.5245	0.5239	0.5235	0.5235	0.5236	0.5236				
	A3	2939	0.5262	0.5258	0.5258	0.5259	0.5262	0.5255	0.5252	0.5252	0.5253	0.5253				
	A4	2967	0.5245	0.5241	0.5240	0.5241	0.5246	0.5239	0.5234	0.5233	0.5234	0.5235				
	A5	2947	0.5261	0.5257	0.5256	0.5258	0.5261	0.5252	0.5250	0.5249	0.5250	0.5251				
	A6	2974	0.5253	0.5249	0.5248	0.5250	0.5253	0.5245	0.5242	0.5242	0.5243	0.5244				
	A7	2967	0.5250	0.5246	0.5245	0.5247	0.5251	0.5243	0.5239	0.5239	0.5240	0.5240				
	A8	2969	0.5254	0.5251	0.5249	0.5250	0.5254	0.5251	0.5246	0.5245	0.5246	0.5247				
	A9	2858	0.5257	0.5254	0.5252	0.5254	0.5258	0.5250	0.5247	0.5246	0.5247	0.5248				
	A10	2868	0.5263	0.5259	0.5258	0.5259	0.5263	0.5256	0.5253	0.5252	0.5253	0.5254				
	A21	2956	0.5248	0.5243	0.5242	0.5244	0.5247	0.5239	0.5235	0.5235	0.5236	0.5236				
	A22	3013	0.5240	0.5236	0.5235	0.5236	0.5239	0.5234	0.5230	0.5230	0.5230	0.5231				
	A23	2961	0.5239	0.5235	0.5234	0.5235	0.5238	0.5232	0.5229	0.5229	0.5230	0.5231				
	A24	3038	0.5230	0.5225	0.5225	0.5226	0.5229	0.5221	0.5217	0.5217	0.5218	0.5219				
	A25	2954	0.5250	0.5246	0.5245	0.5247	0.5250	0.5243	0.5240	0.5239	0.5240	0.5240				
	A26	2907	0.5237	0.5233	0.5232	0.5233	0.5236	0.5231	0.5226	0.5226	0.5226	0.5227				
	A27	2938	0.5248	0.5244	0.5243	0.5244	0.5247	0.5241	0.5238	0.5238	0.5238	0.5238				
	A28	2942	0.5236	0.5232	0.5231	0.5233	0.5236	0.5229	0.5226	0.5226	0.5226	0.5226				
	A29	3025	0.5225	0.5221	0.5220	0.5222	0.5226	0.5217	0.5213	0.5213	0.5214	0.5215				
	A30	2962	0.5230	0.5226	0.5224	0.5226	0.5228	0.5222	0.5218	0.5219	0.5220	0.5220				
	A41	2942	0.5210	0.5205	0.5206	0.5207	0.5209	0.5202	0.5198	0.5198	0.5198	0.5199				
	A42	2973	0.5233	0.5228	0.5228	0.5228	0.5230	0.5228	0.5224	0.5224	0.5225	0.5225				
	A43	2949	0.5232	0.5227	0.5227	0.5228	0.5229	0.5221	0.5217	0.5217	0.5218	0.5219				
	A44	2937	0.5220	0.5216	0.5216	0.5216	0.5218	0.5217	0.5214	0.5214	0.5215	0.5216				
	A45	2965	0.5209	0.5205	0.5206	0.5207	0.5208	0.5200	0.5197	0.5196	0.5197	0.5198				
	A46	2962	0.5228	0.5223	0.5223	0.5224	0.5225	0.5217	0.5213	0.5212	0.5213	0.5214				
	ave	**2952**														
DATA SET 20: CCT = 3500K, T_J = 98C	A4	3410	0.5134	0.5134	0.5136	0.5136	0.5136	0.5141	0.5142	0.5139	0.5134	0.5133				
	A5	3340	0.5202	0.5204	0.5208	0.5209	0.5211	0.5219	0.5219	0.5214	0.5213	0.5212				
	A6	3352	0.5172	0.5174	0.5176	0.5176	0.5177	0.5191	0.5191	0.5189	0.5188	0.5185				
	A7	3425	0.5102	0.5103	0.5105	0.5104	0.5105	0.5125	0.5125	0.5121	0.5118	0.5113				
	A8	3336	0.5153	0.5154	0.5156	0.5155	0.5156	0.5174	0.5173	0.5166	0.5161	0.5160				
	A9	3618	0.4998	0.5001	0.5003	0.5002	0.5002	0.5027	0.5029	0.5024	0.5022	0.5016				
	A10	3414	0.5063	0.5064	0.5066	0.5065	0.5065	0.5096	0.5096	0.5094	0.5091	0.5092				
	A11	3459	0.5017	0.5018	0.5020	0.5020	0.5020	0.5030	0.5029	0.5023	0.5021	0.5021				
	A12	3502	0.5033	0.5033	0.5034	0.5035	0.5034	0.5043	0.5041	0.5034	0.5032	0.5032				
	A13	3580	0.5025	0.5025	0.5028	0.5028	0.5029	0.5038	0.5031	0.5030	0.5028	0.5028				
	A18	3496	0.5067	0.5067	0.5070	0.5071	0.5071	0.5078	0.5078	0.5073	0.5067	0.5067				
	A19	3539	0.5072	0.5072	0.5074	0.5075	0.5076	0.5082	0.5082	0.5081	0.5079	0.5074				
	A20	3479	0.5055	0.5056	0.5059	0.5060	0.5059	0.5068	0.5065	0.5062	0.5057	0.5058				
	A21	3593	0.5066	0.5067	0.5069	0.5070	0.5070	0.5074	0.5074	0.5073	0.5071	0.5066				
	A22	3584	0.5072	0.5073	0.5075	0.5076	0.5076	0.5079	0.5078	0.5076	0.5076	0.5072				
	A23	3772	0.5101	0.5102	0.5104	0.5104	0.5104	0.5106	0.5105	0.5103	0.5101	0.5097				
	A24	3480	0.5037	0.5037	0.5040	0.5040	0.5039	0.5038	0.5035	0.5030	0.5030	0.5030				
	A25	3490	0.5031	0.5030	0.5032	0.5032	0.5032	0.5051	0.5048	0.5042	0.5042	0.5042				
	A41	3446	0.5113	0.5114	0.5117	0.5118	0.5118	0.5123	0.5123	0.5122	0.5121	0.5116				
	A42	3419	0.5101	0.5102	0.5103	0.5103	0.5103	0.5107	0.5107	0.5105	0.5101	0.5099				
	A56	3476	0.5047	0.5040	0.5042	0.5042	0.5043	0.5050	0.5051	0.5050	0.5049	0.5043				
	A57	3445	0.5037	0.5028	0.5029	0.5029	0.5030	0.5039	0.5038	0.5030	0.5029	0.5028				
	A59	3740	0.5103	0.5105	0.5108	0.5108	0.5108	0.5118	0.5118	0.5112	0.5109	0.5107				
	A70	3703	0.5120	0.5123	0.5125	0.5126	0.5126	0.5128	0.5126	0.5120	0.5119	0.5118				
	B11	3703	0.5101	0.5102	0.5105	0.5105	0.5105	0.5115	0.5114	0.5113	0.5112	0.5111				
	ave	**3512**														

$T_S = T_{AIR} = 85°C$, $I_F = 0.35A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

			delta u' v'													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 2: CCT = 2650K, T_J = 94C	A11	2597	0.0000	0.0013	0.0019	0.0022	0.0025	0.0029	0.0036	0.0036	0.0036	0.0035				
	A12	2561	0.0000	0.0013	0.0018	0.0023	0.0025	0.0030	0.0036	0.0036	0.0037	0.0036				
	A13	2606	0.0000	0.0013	0.0019	0.0023	0.0025	0.0031	0.0037	0.0037	0.0037	0.0038				
	A14	2633	0.0000	0.0013	0.0020	0.0024	0.0026	0.0031	0.0037	0.0036	0.0037	0.0036				
	A15	2525	0.0000	0.0013	0.0019	0.0024	0.0026	0.0031	0.0038	0.0038	0.0037	0.0039				
	A16	2554	0.0000	0.0015	0.0020	0.0024	0.0026	0.0034	0.0039	0.0041	0.0039	0.0040				
	A17	2595	0.0000	0.0015	0.0021	0.0024	0.0027	0.0032	0.0037	0.0038	0.0037	0.0037				
	A18	2595	0.0000	0.0014	0.0020	0.0023	0.0026	0.0032	0.0038	0.0037	0.0037	0.0038				
	A19	2622	0.0000	0.0013	0.0020	0.0023	0.0027	0.0032	0.0037	0.0037	0.0037	0.0037				
	A20	2599	0.0000	0.0013	0.0020	0.0025	0.0027	0.0034	0.0041	0.0041	0.0040	0.0041				
	A31	2552	0.0000	0.0014	0.0020	0.0024	0.0027	0.0031	0.0039	0.0039	0.0039	0.0041				
	A32	2610	0.0000	0.0013	0.0019	0.0023	0.0025	0.0031	0.0038	0.0038	0.0038	0.0039				
	A33	2596	0.0000	0.0013	0.0019	0.0024	0.0026	0.0031	0.0038	0.0038	0.0038	0.0038				
	A34	2603	0.0000	0.0013	0.0018	0.0022	0.0025	0.0033	0.0039	0.0039	0.0038	0.0039				
	A35	2577	0.0000	0.0013	0.0019	0.0023	0.0026	0.0030	0.0036	0.0037	0.0036	0.0037				
	A36	2572	0.0000	0.0012	0.0017	0.0022	0.0024	0.0031	0.0037	0.0038	0.0038	0.0037				
	A37	2573	0.0000	0.0012	0.0018	0.0022	0.0025	0.0030	0.0037	0.0037	0.0036	0.0039				
	A38	2589	0.0000	0.0013	0.0019	0.0024	0.0027	0.0032	0.0039	0.0039	0.0039	0.0040				
	A39	2543	0.0000	0.0014	0.0019	0.0022	0.0024	0.0034	0.0041	0.0041	0.0042	0.0042				
	A40	2592	0.0000	0.0015	0.0019	0.0022	0.0025	0.0035	0.0042	0.0042	0.0042	0.0042				
	A51	2597	0.0000	0.0014	0.0020	0.0024	0.0026	0.0030	0.0036	0.0036	0.0036	0.0036				
	A52	2640	0.0000	0.0012	0.0018	0.0022	0.0024	0.0029	0.0035	0.0035	0.0035	0.0034				
	A53	2614	0.0000	0.0013	0.0018	0.0022	0.0026	0.0031	0.0036	0.0036	0.0037	0.0037				
	A54	2578	0.0000	0.0014	0.0020	0.0025	0.0028	0.0034	0.0040	0.0040	0.0040	0.0041				
	A55	2617	0.0000	0.0014	0.0019	0.0024	0.0026	0.0033	0.0040	0.0040	0.0040	0.0042				
	ave	**2590**	**0.0000**	**0.0013**	**0.0019**	**0.0023**	**0.0026**	**0.0032**	**0.0038**	**0.0038**	**0.0038**	**0.0039**				
DATA SET 11: CCT = 3000K, T_J = 94C	A2	2899	0.0000	0.0010	0.0014	0.0016	0.0017	0.0022	0.0027	0.0028	0.0028	0.0028				
	A3	2939	0.0000	0.0010	0.0013	0.0015	0.0016	0.0022	0.0027	0.0027	0.0028	0.0028				
	A4	2967	0.0000	0.0010	0.0014	0.0016	0.0017	0.0023	0.0028	0.0029	0.0028	0.0029				
	A5	2947	0.0000	0.0011	0.0014	0.0015	0.0017	0.0023	0.0028	0.0029	0.0028	0.0028				
	A6	2974	0.0000	0.0010	0.0014	0.0015	0.0016	0.0022	0.0027	0.0027	0.0027	0.0028				
	A7	2967	0.0000	0.0011	0.0015	0.0016	0.0017	0.0023	0.0028	0.0028	0.0029	0.0029				
	A8	2969	0.0000	0.0009	0.0013	0.0016	0.0016	0.0020	0.0025	0.0026	0.0026	0.0027				
	A9	2858	0.0000	0.0010	0.0014	0.0015	0.0017	0.0023	0.0028	0.0028	0.0027	0.0028				
	A10	2868	0.0000	0.0010	0.0014	0.0016	0.0017	0.0023	0.0027	0.0028	0.0027	0.0028				
	A21	2956	0.0000	0.0011	0.0014	0.0016	0.0016	0.0025	0.0030	0.0031	0.0030	0.0030				
	A22	3013	0.0000	0.0011	0.0015	0.0016	0.0017	0.0022	0.0027	0.0027	0.0028	0.0028				
	A23	2961	0.0000	0.0010	0.0013	0.0016	0.0016	0.0022	0.0027	0.0026	0.0027	0.0027				
	A24	3038	0.0000	0.0010	0.0013	0.0015	0.0016	0.0023	0.0028	0.0028	0.0028	0.0029				
	A25	2954	0.0000	0.0010	0.0013	0.0014	0.0016	0.0022	0.0027	0.0027	0.0027	0.0029				
	A26	2907	0.0000	0.0011	0.0014	0.0016	0.0017	0.0024	0.0031	0.0031	0.0031	0.0032				
	A27	2938	0.0000	0.0010	0.0013	0.0015	0.0016	0.0023	0.0029	0.0030	0.0031	0.0031				
	A28	2942	0.0000	0.0011	0.0014	0.0015	0.0017	0.0023	0.0029	0.0028	0.0029	0.0030				
	A29	3025	0.0000	0.0011	0.0014	0.0015	0.0017	0.0023	0.0029	0.0029	0.0028	0.0030				
	A30	2962	0.0000	0.0011	0.0014	0.0016	0.0017	0.0024	0.0030	0.0028	0.0029	0.0029				
	A41	2942	0.0000	0.0010	0.0015	0.0016	0.0018	0.0024	0.0030	0.0030	0.0030	0.0030				
	A42	2973	0.0000	0.0010	0.0014	0.0017	0.0017	0.0022	0.0027	0.0027	0.0026	0.0026				
	A43	2949	0.0000	0.0011	0.0014	0.0016	0.0018	0.0026	0.0032	0.0032	0.0031	0.0031				
	A44	2937	0.0000	0.0010	0.0014	0.0016	0.0018	0.0021	0.0026	0.0026	0.0025	0.0026				
	A45	2965	0.0000	0.0011	0.0014	0.0016	0.0018	0.0025	0.0030	0.0031	0.0030	0.0032				
	A46	2962	0.0000	0.0011	0.0015	0.0016	0.0019	0.0026	0.0032	0.0032	0.0032	0.0032				
	ave	**2952**	**0.0000**	**0.0010**	**0.0014**	**0.0016**	**0.0017**	**0.0023**	**0.0028**	**0.0028**	**0.0028**	**0.0029**				
DATA SET 20: CCT = 3500K, T_J = 98C	A4	3410	0.0000	0.0007	0.0009	0.0011	0.0013	0.0014	0.0014	0.0016	0.0018	0.0020				
	A5	3340	0.0000	0.0007	0.0010	0.0012	0.0015	0.0017	0.0017	0.0016	0.0014	0.0014				
	A6	3352	0.0000	0.0007	0.0010	0.0011	0.0013	0.0020	0.0020	0.0018	0.0018	0.0016				
	A7	3425	0.0000	0.0007	0.0009	0.0011	0.0013	0.0023	0.0023	0.0019	0.0018	0.0016				
	A8	3336	0.0000	0.0007	0.0009	0.0011	0.0012	0.0021	0.0020	0.0016	0.0016	0.0017				
	A9	3618	0.0000	0.0008	0.0010	0.0012	0.0013	0.0029	0.0031	0.0027	0.0026	0.0023				
	A10	3414	0.0000	0.0008	0.0010	0.0012	0.0013	0.0034	0.0034	0.0031	0.0028	0.0029				
	A11	3459	0.0000	0.0010	0.0013	0.0016	0.0018	0.0019	0.0020	0.0021	0.0020	0.0021				
	A12	3502	0.0000	0.0011	0.0014	0.0016	0.0018	0.0018	0.0019	0.0021	0.0023	0.0023				
	A13	3580	0.0000	0.0009	0.0012	0.0014	0.0016	0.0019	0.0019	0.0020	0.0021	0.0021				
	A18	3496	0.0000	0.0006	0.0009	0.0011	0.0012	0.0016	0.0016	0.0016	0.0019	0.0020				
	A19	3539	0.0000	0.0008	0.0009	0.0011	0.0013	0.0016	0.0016	0.0017	0.0017	0.0018				
	A20	3479	0.0000	0.0008	0.0010	0.0011	0.0014	0.0016	0.0016	0.0017	0.0018	0.0018				
	A21	3593	0.0000	0.0006	0.0009	0.0010	0.0012	0.0014	0.0014	0.0015	0.0015	0.0017				
	A22	3584	0.0000	0.0007	0.0009	0.0011	0.0013	0.0015	0.0015	0.0016	0.0016	0.0018				
	A23	3772	0.0000	0.0006	0.0009	0.0012	0.0014	0.0018	0.0019	0.0021	0.0023	0.0027				
	A24	3480	0.0000	0.0008	0.0010	0.0011	0.0014	0.0016	0.0018	0.0024	0.0025	0.0025				
	A25	3490	0.0000	0.0010	0.0012	0.0015	0.0017	0.0021	0.0020	0.0017	0.0018	0.0019				
	A41	3446	0.0000	0.0007	0.0009	0.0010	0.0012	0.0015	0.0016	0.0016	0.0016	0.0017				
	A42	3419	0.0000	0.0008	0.0010	0.0011	0.0014	0.0014	0.0015	0.0016	0.0019	0.0021				
	A56	3476	0.0000	0.0015	0.0018	0.0020	0.0021	0.0020	0.0019	0.0021	0.0023	0.0027				
	A57	3445	0.0000	0.0019	0.0022	0.0024	0.0026	0.0023	0.0023	0.0029	0.0031	0.0032				
	A59	3740	0.0000	0.0009	0.0013	0.0016	0.0020	0.0023	0.0023	0.0025	0.0026	0.0028				
	A70	3703	0.0000	0.0010	0.0014	0.0017	0.0019	0.0023	0.0025	0.0029	0.0030	0.0031				
	B11	3703	0.0000	0.0010	0.0015	0.0016	0.0019	0.0024	0.0025	0.0026	0.0026	0.0026				
	ave	**3512**	**0.0000**	**0.0009**	**0.0011**	**0.0013**	**0.0015**	**0.0019**	**0.0020**	**0.0020**	**0.0021**	**0.0022**				

$T_S = T_{AIR} = 85°C$, $I_F = 0.35A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

			Forward voltage													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 2: CCT = 2650K, T_J = 94C	A11	2597	2.953	2.952	2.943	2.942	2.947	2.944	2.945	2.949	2.951	2.954				
	A12	2561	2.969	2.969	2.956	2.955	2.963	2.959	2.960	2.966	2.972	2.978				
	A13	2606	2.957	2.956	2.943	2.946	2.949	2.947	2.946	2.951	2.959	2.960				
	A14	2633	3.004	3.001	2.991	2.993	3.002	2.998	2.997	3.004	3.007	3.011				
	A15	2525	3.046	3.043	3.033	3.032	3.037	3.033	3.029	3.038	3.039	3.045				
	A16	2554	2.917	2.915	2.911	2.908	2.913	2.912	2.910	2.914	2.917	2.920				
	A17	2595	3.003	3.001	2.991	2.990	2.996	2.995	2.998	3.003	3.007	3.015				
	A18	2595	2.956	2.951	2.944	2.942	2.950	2.947	2.947	2.951	2.956	2.958				
	A19	2622	2.994	2.995	2.983	2.985	2.990	2.989	2.987	2.994	2.997	3.004				
	A20	2599	3.022	3.018	3.011	3.009	3.015	3.014	3.013	3.019	3.026	3.032				
	A31	2552	3.042	3.039	3.029	3.028	3.033	3.032	3.032	3.034	3.043	3.050				
	A32	2610	3.171	3.127	3.101	3.087	3.087	3.085	3.080	3.082	3.085	3.087				
	A33	2596	3.015	3.016	3.009	3.007	3.010	3.012	3.010	3.017	3.021	3.025				
	A34	2603	2.964	2.964	2.954	2.954	2.959	2.956	2.957	2.962	2.968	2.971				
	A35	2577	2.984	2.987	2.977	2.976	2.983	2.980	2.976	2.984	2.990	2.993				
	A36	2572	2.967	2.966	2.958	2.959	2.963	2.958	2.961	2.965	2.970	2.971				
	A37	2573	3.003	3.000	2.993	2.991	2.997	2.995	2.997	3.004	3.010	3.018				
	A38	2589	2.965	2.969	2.961	2.959	2.963	2.961	2.961	2.966	2.968	2.972				
	A39	2543	3.041	3.034	3.024	3.020	3.022	3.017	3.014	3.017	3.020	3.025				
	A40	2592	3.034	3.029	3.021	3.018	3.018	3.014	3.012	3.015	3.018	3.018				
	A51	2597	2.980	2.972	2.968	2.967	2.974	2.977	2.984	2.998	3.017	3.048				
	A52	2640	2.980	2.978	2.968	2.972	2.976	2.976	2.987	3.007	3.030	3.062				
	A53	2614	3.203	3.196	3.187	3.192	3.203	3.238	3.300	3.413	3.559	3.623				
	A54	2578	3.151	3.108	3.090	3.083	3.090	3.091	3.093	3.097	3.103	3.105				
	A55	2617	3.069	3.066	3.057	3.053	3.056	3.068	3.078	3.099	3.107	3.113				
	ave	**2590**	**3.016**													
DATA SET 11: CCT = 3000K, T_J = 94C	A2	2899	3.001	2.998	2.988	2.985	2.993	2.999	3.006	3.024	3.046	3.068				
	A3	2939	2.991	2.986	2.977	2.978	2.988	3.003	3.028	3.081	3.127	3.135				
	A4	2967	3.119	3.110	3.090	3.073	3.074	3.070	3.071	3.082	3.093	3.095				
	A5	2947	3.015	3.010	3.006	3.004	3.011	3.012	3.017	3.030	3.051	3.078				
	A6	2974	3.017	3.013	3.002	3.000	3.009	3.013	3.015	3.031	3.050	3.075				
	A7	2967	3.117	3.108	3.086	3.074	3.073	3.071	3.075	3.087	3.093	3.099				
	A8	2969	3.010	3.006	2.996	2.997	3.006	3.016	3.032	3.070	3.110	3.131				
	A9	2858	2.954	2.949	2.943	2.939	2.946	2.951	2.956	2.970	2.997	3.027				
	A10	2868	2.970	2.966	2.957	2.956	2.963	2.962	2.967	2.974	2.986	2.997				
	A21	2956	3.007	3.007	2.997	2.996	3.003	3.005	3.013	3.028	3.048	3.071				
	A22	3013	2.958	2.956	2.947	2.948	2.954	2.956	2.960	2.972	2.986	3.006				
	A23	2961	3.011	3.008	2.999	3.000	3.006	3.011	3.022	3.047	3.081	3.126				
	A24	3038	3.009	3.005	2.998	2.997	3.006	3.009	3.020	3.044	3.078	3.124				
	A25	2954	2.973	2.966	2.959	2.958	2.964	2.968	2.973	2.994	3.018	3.050				
	A26	2907	3.071	3.065	3.053	3.046	3.048	3.047	3.046	3.057	3.065	3.072				
	A27	2938	2.985	2.983	2.973	2.974	2.984	2.996	3.015	3.072	3.131	3.143				
	A28	2942	2.983	2.978	2.966	2.967	2.975	2.986	3.007	3.048	3.093	3.106				
	A29	3025	3.047	3.041	3.033	3.035	3.041	3.046	3.061	3.088	3.139	3.209				
	A30	2962	2.994	2.992	2.982	2.984	2.990	2.992	2.998	3.015	3.035	3.065				
	A41	2942	3.069	3.066	3.058	3.056	3.062	3.073	3.099	3.132	3.156	3.163				
	A42	2973	2.962	2.959	2.953	2.953	2.957	2.964	2.975	3.000	3.028	3.072				
	A43	2949	3.097	3.090	3.075	3.066	3.063	3.060	3.058	3.067	3.077	3.077				
	A44	2937	3.105	3.078	3.061	3.055	3.057	3.056	3.057	3.063	3.068	3.068				
	A45	2965	3.046	3.043	3.033	3.034	3.038	3.050	3.077	3.117	3.142	3.151				
	A46	2962	3.142	3.108	3.086	3.084	3.084	3.085	3.087	3.092	3.095	3.095				
	ave	**2952**	**3.026**													
DATA SET 20: CCT = 3500K, T_J = 98C	A4	3410	3.278	3.128	3.017	2.965	2.954	2.941	2.935	2.933	2.929	2.928				
	A5	3340	3.246	3.119	3.046	3.014	3.012	3.008	3.004	3.003	2.999	2.998				
	A6	3352	3.303	3.162	3.078	3.049	3.049	3.044	3.042	3.040	3.034	3.035				
	A7	3425	3.354	3.158	3.015	2.934	2.925	2.909	2.906	2.900	2.900	2.895				
	A8	3336	3.339	3.158	3.050	2.994	2.977	2.958	2.954	2.950	2.945	2.943				
	A9	3618	3.277	3.113	2.997	2.945	2.934	2.941	2.984	3.070	3.078	3.079				
	A10	3414	3.254	3.090	2.980	2.927	2.920	2.921	2.930	2.951	2.995	3.033				
	A11	3459	3.447	3.320	3.261	3.226	3.222	3.210	3.204	3.200	3.192	3.189				
	A12	3502	3.414	3.225	3.164	3.135	3.130	3.122	3.122	3.114	3.110	3.107				
	A13	3580	3.453	3.320	3.260	3.230	3.226	3.217	3.212	3.207	3.200	3.197				
	A18	3496	3.302	3.129	2.993	2.937	2.923	2.910	2.906	2.904	2.901	2.898				
	A19	3539	3.319	3.172	3.107	3.071	3.075	3.067	3.062	3.062	3.054	3.052				
	A20	3479	3.319	3.133	2.997	2.941	2.928	2.913	2.911	2.907	2.906	2.903				
	A21	3593	3.281	3.144	3.063	3.026	3.025	3.018	3.014	3.011	3.010	3.007				
	A22	3584	3.308	3.147	3.039	2.986	2.963	2.945	2.940	2.936	2.934	2.929				
	A23	3772	3.028	3.061	3.046	3.039	3.042	3.039	3.039	3.040	3.043	3.046				
	A24	3480	3.275	3.209	3.160	3.138	3.133	3.124	3.118	3.113	3.107	3.103				
	A25	3490	3.446	3.319	3.262	3.230	3.224	3.214	3.212	3.201	3.197	3.191				
	A41	3446	3.259	3.138	3.027	2.977	2.964	2.948	2.943	2.938	2.934	2.932				
	A42	3419	3.364	3.238	3.139	3.073	3.057	3.033	3.025	3.018	3.011	3.005				
	A56	3476	3.332	3.305	3.225	3.173	3.148	3.127	3.118	3.110	3.102	3.097				
	A57	3445	3.346	3.324	3.238	3.183	3.161	3.139	3.131	3.122	3.116	3.112				
	A59	3740	3.442	3.307	3.201	3.160	3.146	3.130	3.124	3.119	3.113	3.108				
	A70	3703	3.429	3.291	3.206	3.158	3.145	3.130	3.124	3.118	3.113	3.109				
	B11	3703	3.582	3.406	3.298	3.226	3.196	3.169	3.159	3.147	3.138	3.128				
	ave	**3512**	**3.336**													

$T_S = T_{AIR} = 85°C$, $I_F = 0.35A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	% at 6khours
DATA SET 26: CCT = 4000K, T_J = 98C	A26	3881	69.056	69.350	70.333	71.015	71.559	71.654	71.559	71.879	71.287	69.562					**100.7**
	A27	3917	71.684	71.965	72.861	73.457	73.887	74.435	74.356	74.195	72.725	72.643					**101.3**
	A35	3973	65.513	66.294	67.399	67.940	68.273	68.779	68.377	67.381	66.776	66.634					**101.7**
	A36	4199	68.413	69.367	70.506	71.172	71.576	68.517	68.516	68.114	66.979	66.880					**97.8**
	A37	4253	66.015	66.805	68.024	68.641	69.095	60.634	60.836	60.066	59.197	59.061					**89.5**
	A38	4223	66.889	67.685	68.751	69.410	69.951	64.577	64.106	64.387	63.665	63.757					**95.3**
	A39	4145	67.846	68.902	69.665	70.328	70.853	70.878	71.200	70.877	70.153	69.975					**103.1**
	A43	3953	65.337	67.304	68.899	69.710	70.310	68.869	68.730	68.942	68.312	66.801					**102.2**
	A44	3851	67.922	69.409	70.772	71.738	72.122	70.497	70.652	70.015	68.663	68.204					**100.4**
	A50	4061	67.260	67.972	68.793	68.978	69.275	70.562	70.176	70.327	69.051	68.470					**101.8**
	A63	3968	68.141	69.816	71.086	71.622	71.883	72.627	72.653	72.639	71.932	71.071					**104.3**
	A64	3930	66.357	67.846	69.290	69.961	70.500	71.524	71.566	71.265	69.411	69.243					**104.3**
	B30	4256	69.364	70.353	71.071	71.815	72.068	72.311	72.313	73.252	72.202	70.881					**102.2**
	B31	4072	66.488	67.713	68.565		69.286	66.231	65.729	66.114	65.493	64.316					**96.7**
	B32	4111	66.757	67.980	69.057	69.453	69.825	67.272	66.916	67.097	65.863	64.980					**97.3**
	B33	4027	66.766	67.450	68.180	68.577	68.935	66.487	65.946	65.435	64.650	64.513					**96.6**
	B34	4173	67.356	68.574	69.460	69.922	70.142	70.779	70.333	70.572	69.098	68.676					**102.0**
	B40	4281	68.514	69.332	70.080	70.891	71.198	72.980	72.812	72.902	71.914	70.564					**103.0**
	B50	4287	69.612	70.502	71.461	72.121	72.431	74.720	74.481	75.057	72.676	72.582					**104.3**
	B52	3917	68.360	69.041	69.826	70.507	70.902	69.306	69.403	69.566	67.728	67.265					**98.4**
	B53	3865	68.335	68.422	68.946	69.592	70.012	68.995	68.569	68.013	67.130	67.098					**98.2**
	B54	3877	66.994	67.215	67.628	68.163	68.452	67.787	66.129	66.437	65.388	65.423					**97.7**
	B55	3919	67.435	67.723	68.195	68.733	68.967	71.512	71.218	71.631	69.935	69.736					**103.4**
	B60	4192	69.082	70.418	71.511	72.106	72.387	74.992	74.788	74.961	73.097	72.056					**104.3**
	B69	3900	68.097	68.406	69.339	69.683	69.834	69.539	69.464	69.912	68.891	68.108					**100.0**
	ave	**4049**															**100.3**
DATA SET 32: CCT > 5000K, T_J = 98C	A8	6331	47.078	46.410	47.427	47.544	47.391	46.962	46.981	46.701	46.714	45.470	46.160	46.146	46.228		**96.6**
	A9	6217	45.815	45.193	46.236	46.357	46.183	45.815	46.118	45.966	46.130	45.178	45.280	45.343	45.393		**98.6**
	A10	5932	46.871	46.345	47.352	47.482	47.298	47.021	47.335	47.174	47.308	46.235	46.157	46.419	46.568		**98.6**
	A11	5669	61.837	61.554	61.730	61.755	61.456	60.410	60.126	59.903	59.998	58.309	58.433	59.084	59.126		**94.3**
	A12	5623	68.501	68.103	67.781	68.399	68.064	67.050	67.159	66.690	66.813	65.861	66.082	65.767	65.835		**96.1**
	A13	5694	64.941	64.735	64.434	64.998	64.732	63.759	63.888	63.644	63.588	62.611	62.682	62.807	62.717		**96.4**
	A14	5629	67.309	67.118	67.385	67.444	67.130	66.115	66.419	65.706	66.166	65.217	65.694	65.453	65.456		**96.9**
	A15	5630	68.647	68.330	68.564	68.637	68.356	67.522	67.765	67.451	67.389	66.415	66.229	66.484	66.665		**96.7**
	A18	6481	61.000	61.176	61.666	62.006	61.902	61.786	62.104	61.929	62.097	61.946	61.330	61.515	61.581		**101.6**
	A19	6412	60.831	61.066	61.668	62.070	61.989	61.920	62.159	61.936	61.979	61.826	60.863	61.274	61.303		**101.6**
	A20	6391	60.770	61.065	61.699	62.115	62.068	62.118	62.485	62.491	62.567	62.331	62.000	61.827	61.921		**102.6**
	A21	6379	60.905	61.202	61.721	61.972	61.853	61.021	61.173	60.844	60.783	59.636	59.934	59.507	59.329		**97.9**
	A22	6488	60.900	61.139	61.589	61.791	61.592	60.842	61.008	60.678	60.492	60.169	59.896	59.387	59.477		**98.8**
	A23	6306	60.794	61.026	61.507	61.687	61.492	60.742	60.730	60.316	60.316	60.038	59.782	59.346	59.357		**98.8**
	A24	6088	60.913	61.174	61.625	61.863	61.543	60.872	60.918	60.682	60.596	60.094	59.604	59.227	59.142		**98.7**
	A25	5641	61.941	62.223	62.731	62.960	62.733	62.145	62.139	61.917	61.798	61.426	60.683	60.897	60.999		**99.2**
	A29	5504	57.736	57.632	58.231	58.307	58.107	57.853	57.951	57.676	57.591	56.764	56.227	56.647	56.782		**98.3**
	A30	5606	58.614	58.556	59.085	60.248	60.360	59.997	59.971	59.743	59.722	59.311	58.523	58.678	58.865		**101.2**
	A31	6115	62.010	61.917	62.242	62.400	62.129	61.214	61.185	61.033	61.152	60.848	60.103	60.484	60.373		**98.1**
	A32	5821	62.383	62.289	62.629	62.774	62.541	61.679	61.758	61.556	61.508	61.269	60.247	60.906	60.927		**98.2**
	A33	5853	62.367	62.330	62.672	62.830	62.526	61.750	61.845	61.605	61.580	61.324	59.875	61.006	60.955		**98.3**
	A34	5884	61.932	61.871	62.227	62.319	61.987	61.310	61.564	61.446	61.346	61.079	60.601	60.619	60.624		**98.6**
	A35	5688	56.914	56.711	57.223	57.347	57.096	56.539	56.780	56.713	56.909	56.093	56.675	56.772	56.880		**98.6**
	A36	6164	61.069	61.630	62.400	62.864	62.836	62.384	62.815	62.707	62.882	62.703	61.767	62.230	62.329		**102.7**
	A37	6136	61.379	61.948	62.749	63.230	63.188	62.761	63.177	63.081	63.096	62.105	61.473	62.527	62.636		**101.2**
	ave	**5987**															**98.7**

$T_S = T_{AIR} = 85°C$, $I_F = 0.35A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

Normalized flux

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 26: CCT = 4000K, T_J = 98C	A26	3881	1.0000	1.0043	1.0185	1.0284	1.0363	1.0376	1.0363	1.0409	1.0323	1.0073				
	A27	3917	1.0000	1.0039	1.0164	1.0247	1.0307	1.0384	1.0373	1.0350	1.0145	1.0134				
	A35	3973	1.0000	1.0119	1.0288	1.0370	1.0421	1.0499	1.0437	1.0285	1.0193	1.0171				
	A36	4199	1.0000	1.0140	1.0306	1.0403	1.0462	1.0015	1.0015	0.9956	0.9790	0.9776				
	A37	4253	1.0000	1.0120	1.0304	1.0398	1.0467	0.9185	0.9215	0.9099	0.8967	0.8947				
	A38	4223	1.0000	1.0119	1.0278	1.0377	1.0458	0.9654	0.9584	0.9626	0.9518	0.9532				
	A39	4145	1.0000	1.0156	1.0268	1.0366	1.0443	1.0447	1.0494	1.0447	1.0340	1.0314				
	A43	3953	1.0000	1.0301	1.0545	1.0669	1.0761	1.0541	1.0519	1.0552	1.0455	1.0224				
	A44	3851	1.0000	1.0219	1.0420	1.0562	1.0618	1.0379	1.0402	1.0308	1.0109	1.0042				
	A50	4061	1.0000	1.0106	1.0228	1.0255	1.0300	1.0491	1.0433	1.0456	1.0266	1.0180				
	A63	3968	1.0000	1.0246	1.0432	1.0511	1.0549	1.0658	1.0662	1.0660	1.0556	1.0430				
	A64	3930	1.0000	1.0224	1.0442	1.0543	1.0624	1.0779	1.0785	1.0740	1.0460	1.0435				
	B30	4256	1.0000	1.0142	1.0246	1.0353	1.0390	1.0425	1.0425	1.0561	1.0409	1.0219				
	B31	4072	1.0000	1.0184	1.0312	0.0000	1.0421	0.9961	0.9886	0.9944	0.9850	0.9673				
	B32	4111	1.0000	1.0183	1.0345	1.0404	1.0460	1.0077	1.0024	1.0051	0.9866	0.9734				
	B33	4027	1.0000	1.0102	1.0212	1.0271	1.0325	0.9958	0.9877	0.9801	0.9683	0.9663				
	B34	4173	1.0000	1.0181	1.0312	1.0381	1.0414	1.0508	1.0442	1.0477	1.0259	1.0196				
	B40	4281	1.0000	1.0120	1.0229	1.0347	1.0392	1.0652	1.0627	1.0641	1.0496	1.0299				
	B50	4287	1.0000	1.0128	1.0266	1.0360	1.0405	1.0734	1.0699	1.0782	1.0440	1.0427				
	B52	3917	1.0000	1.0100	1.0214	1.0314	1.0372	1.0138	1.0153	1.0176	0.9907	0.9840				
	B53	3865	1.0000	1.0013	1.0089	1.0184	1.0245	1.0097	1.0034	0.9953	0.9824	0.9819				
	B54	3877	1.0000	1.0033	1.0095	1.0175	1.0218	1.0118	0.9871	0.9917	0.9760	0.9766				
	B55	3919	1.0000	1.0043	1.0113	1.0193	1.0227	1.0605	1.0561	1.0622	1.0371	1.0341				
	B60	4192	1.0000	1.0193	1.0352	1.0438	1.0479	1.0856	1.0826	1.0851	1.0581	1.0431				
	B69	3900	1.0000	1.0045	1.0182	1.0233	1.0255	1.0212	1.0201	1.0267	1.0117	1.0002				
	ave	**4049**	**1.0000**	**1.0132**	**1.0273**	**0.9946**	**1.0415**	**1.0310**	**1.0276**	**1.0277**	**1.0108**	**1.0027**				
DATA SET 32: CCT > 5000K, T_J = 98C	A8	6331	1.0000	0.9858	1.0074	1.0099	1.0067	0.9975	0.9979	0.9920	0.9923	0.9658	0.9805	0.9802	0.9819	
	A9	6217	1.0000	0.9864	1.0092	1.0118	1.0080	1.0000	1.0066	1.0033	1.0069	0.9861	0.9883	0.9897	0.9908	
	A10	5932	1.0000	0.9888	1.0103	1.0130	1.0091	1.0032	1.0099	1.0065	1.0093	0.9864	0.9848	0.9904	0.9935	
	A11	5669	1.0000	0.9954	0.9983	0.9987	0.9938	0.9769	0.9723	0.9687	0.9703	0.9429	0.9450	0.9555	0.9562	
	A12	5623	1.0000	0.9942	0.9895	0.9985	0.9936	0.9788	0.9804	0.9736	0.9753	0.9614	0.9647	0.9601	0.9611	
	A13	5694	1.0000	0.9968	0.9922	1.0009	0.9968	0.9818	0.9838	0.9800	0.9792	0.9641	0.9652	0.9671	0.9658	
	A14	5629	1.0000	0.9972	1.0011	1.0020	0.9973	0.9823	0.9868	0.9762	0.9830	0.9689	0.9760	0.9724	0.9725	
	A15	5630	1.0000	0.9954	0.9988	0.9999	0.9958	0.9836	0.9872	0.9826	0.9817	0.9675	0.9648	0.9685	0.9711	
	A18	6481	1.0000	1.0029	1.0109	1.0165	1.0148	1.0129	1.0181	1.0152	1.0180	1.0155	1.0054	1.0084	1.0095	
	A19	6412	1.0000	1.0039	1.0138	1.0204	1.0190	1.0179	1.0218	1.0182	1.0189	1.0164	1.0005	1.0073	1.0078	
	A20	6391	1.0000	1.0048	1.0153	1.0221	1.0214	1.0222	1.0282	1.0283	1.0296	1.0257	1.0202	1.0174	1.0189	
	A21	6379	1.0000	1.0049	1.0134	1.0175	1.0156	1.0019	1.0044	0.9990	0.9980	0.9792	0.9841	0.9770	0.9741	
	A22	6488	1.0000	1.0039	1.0113	1.0146	1.0114	0.9990	1.0018	0.9963	0.9933	0.9880	0.9835	0.9751	0.9766	
	A23	6306	1.0000	1.0038	1.0117	1.0147	1.0115	0.9991	0.9989	0.9921	0.9921	0.9876	0.9833	0.9762	0.9764	
	A24	6088	1.0000	1.0043	1.0117	1.0156	1.0103	0.9993	1.0001	0.9962	0.9948	0.9866	0.9785	0.9723	0.9709	
	A25	5641	1.0000	1.0045	1.0128	1.0164	1.0128	1.0033	1.0032	0.9996	0.9977	0.9917	0.9797	0.9831	0.9848	
	A29	5504	1.0000	0.9982	1.0086	1.0099	1.0064	1.0020	1.0037	0.9990	0.9975	0.9832	0.9739	0.9811	0.9835	
	A30	5606	1.0000	0.9990	1.0080	1.0279	1.0298	1.0236	1.0232	1.0193	1.0189	1.0119	0.9984	1.0011	1.0043	
	A31	6115	1.0000	0.9985	1.0037	1.0063	1.0019	0.9872	0.9867	0.9842	0.9862	0.9813	0.9693	0.9754	0.9736	
	A32	5821	1.0000	0.9985	1.0039	1.0063	1.0025	0.9887	0.9900	0.9867	0.9860	0.9821	0.9658	0.9763	0.9767	
	A33	5853	1.0000	0.9994	1.0049	1.0074	1.0026	0.9901	0.9916	0.9878	0.9874	0.9833	0.9600	0.9782	0.9773	
	A34	5884	1.0000	0.9990	1.0048	1.0062	1.0009	0.9900	0.9941	0.9921	0.9905	0.9862	0.9785	0.9788	0.9789	
	A35	5688	1.0000	0.9964	1.0054	1.0076	1.0032	0.9934	0.9977	0.9965	0.9999	0.9856	0.9958	0.9975	0.9994	
	A36	6164	1.0000	1.0092	1.0218	1.0294	1.0289	1.0215	1.0286	1.0268	1.0297	1.0268	1.0114	1.0190	1.0206	
	A37	6136	1.0000	1.0093	1.0223	1.0302	1.0295	1.0225	1.0293	1.0277	1.0280	1.0118	1.0015	1.0187	1.0205	
	ave	**5987**	**1.0000**	**0.9992**	**1.0076**	**1.0121**	**1.0089**	**0.9992**	**1.0018**	**0.9979**	**0.9986**	**0.9874**	**0.9824**	**0.9851**	**0.9859**	

$T_S = T_{AIR} = 85°C$, $I_F = 0.35A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 26: CCT = 4000K, T_J = 98C	A26	3881	4.3560E-06	1.0476	0.460	92,548
	A27	3917	4.4796E-06	1.0444	0.572	89,322
	A35	3973	6.4248E-06	1.0569	0.818	64,122
	A36	4199	1.1807E-05	1.0422	0.806	33,708
	A37	4253	2.4836E-05	1.0144	0.616	14,936
	A38	4223	1.4339E-05	1.0224	0.552	26,418
	A39	4145	2.7919E-06	1.0516	0.590	145,782
	A43	3953	7.9225E-06	1.0803	0.802	54,769
	A44	3851	1.0498E-05	1.0694	0.929	40,364
	A50	4061	3.4638E-06	1.0480	0.294	116,511
	A63	3968	2.4533E-06	1.0677	0.272	172,091
	A64	3930	5.2607E-06	1.0834	0.437	83,024
	B30	4256	2.1331E-06	1.0482	0.143	189,287
	B31	4072	1.1426E-05	1.0359	0.743	34,307
	B32	4111	1.2010E-05	1.0463	0.854	33,471
	B33	4027	1.2095E-05	1.0309	0.863	32,009
	B34	4173	4.9808E-06	1.0565	0.585	82,636
	B40	4281	2.5012E-06	1.0609	0.110	166,258
	B50	4287	1.8609E-06	1.0649	0.045	225,459
	B52	3917	9.4297E-06	1.0435	0.839	42,339
	B53	3865	8.6551E-06	1.0302	0.962	44,642
	B54	3877	9.4196E-06	1.0273	0.875	40,728
	B55	3919	1.6122E-07	1.0459	0.000	2,490,932
	B60	4192	2.7844E-06	1.0773	0.080	154,857
	B69	3900	4.1939E-06	1.0325	0.629	92,683
	ave	**4049**	**7.1265E-06**	**1.0493**	**0.916**	**56,803**

DATA SET 32: CCT > 5000K, T_J = 98C	A8	6331	2.0710E-06	0.9954	0.153	169,994
	A9	6217	3.2036E-06	1.0151	0.475	116,002
	A10	5932	3.5228E-06	1.0181	0.401	106,354
	A11	5669	3.1216E-06	0.9760	0.238	106,466
	A12	5623	3.0984E-06	0.9857	0.696	110,456
	A13	5694	3.1218E-06	0.9901	0.602	111,067
	A14	5629	1.2650E-06	0.9829	0.229	268,290
	A15	5630	2.9143E-06	0.9913	0.489	119,379
	A18	6481	1.8975E-06	1.0246	0.534	200,764
	A19	6412	2.8974E-06	1.0307	0.546	133,537
	A20	6391	2.4814E-06	1.0400	0.845	159,541
	A21	6379	5.2776E-06	1.0196	0.818	71,255
	A22	6488	4.5650E-06	1.0151	0.946	81,423
	A23	6306	3.8025E-06	1.0092	0.932	96,217
	A24	6088	5.8659E-06	1.0214	0.961	64,413
	A25	5641	3.7408E-06	1.0138	0.721	98,999
	A29	5504	3.9178E-06	1.0117	0.541	94,020
	A30	5606	4.0104E-06	1.0356	0.703	97,658
	A31	6115	2.8456E-06	0.9966	0.621	124,132
	A32	5821	2.7904E-06	0.9968	0.424	126,678
	A33	5853	3.0021E-06	0.9982	0.283	118,223
	A34	5884	3.1683E-06	1.0046	0.864	114,040
	A35	5688	-5.0941E-07	0.9925	0.032	-685,338
	A36	6164	2.1871E-06	1.0370	0.385	179,698
	A37	6136	2.0803E-06	1.0319	0.153	186,525
	ave	**5987**	**3.0491E-06**	**1.0093**	**0.663**	**120,023**

$T_S = T_{AIR} = 85°C$, $I_F = 0.35A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

u'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 26: CCT = 4000K, T_J = 98C	A26	3881	0.2260	0.2254	0.2252	0.2248	0.2246	0.2248	0.2247	0.2245	0.2243	0.2239				
	A27	3917	0.2271	0.2265	0.2261	0.2259	0.2256	0.2253	0.2252	0.2249	0.2245	0.2243				
	A35	3973	0.2274	0.2265	0.2263	0.2259	0.2257	0.2263	0.2263	0.2260	0.2255	0.2254				
	A36	4199	0.2234	0.2225	0.2222	0.2219	0.2217	0.2223	0.2220	0.2215	0.2213	0.2213				
	A37	4253	0.2233	0.2223	0.2221	0.2219	0.2216	0.2234	0.2231	0.2227	0.2223	0.2222				
	A38	4223	0.2240	0.2231	0.2229	0.2225	0.2223	0.2229	0.2225	0.2223	0.2222	0.2221				
	A39	4145	0.2249	0.2241	0.2238	0.2235	0.2232	0.2240	0.2236	0.2232	0.2230	0.2230				
	A43	3953	0.2269	0.2262	0.2260	0.2257	0.2253	0.2255	0.2255	0.2252	0.2250	0.2246				
	A44	3851	0.2282	0.2275	0.2272	0.2269	0.2266	0.2267	0.2265	0.2263	0.2259	0.2258				
	A50	4061	0.2251	0.2244	0.2242	0.2238	0.2236	0.2243	0.2242	0.2239	0.2235	0.2234				
	A63	3968	0.2260	0.2253	0.2250	0.2247	0.2245	0.2241	0.2240	0.2238	0.2237	0.2234				
	A64	3930	0.2271	0.2264	0.2262	0.2259	0.2256	0.2259	0.2258	0.2255	0.2250	0.2249				
	B30	4256	0.2246	0.2240	0.2237	0.2234	0.2232	0.2254	0.2253	0.2250	0.2248	0.2243				
	B31	4072	0.2245	0.2238	0.2235		0.2230	0.2237	0.2237	0.2235	0.2233	0.2228				
	B32	4111	0.2237	0.2230	0.2227	0.2224	0.2221	0.2226	0.2225	0.2222	0.2220	0.2217				
	B33	4027	0.2234	0.2227	0.2225	0.2223	0.2221	0.2225	0.2224	0.2218	0.2217	0.2216				
	B34	4173	0.2224	0.2217	0.2214	0.2212	0.2210	0.2218	0.2217	0.2214	0.2211	0.2209				
	B40	4281	0.2235	0.2229	0.2226	0.2223	0.2220	0.2227	0.2226	0.2224	0.2222	0.2219				
	B50	4287	0.2230	0.2224	0.2221	0.2219	0.2216	0.2223	0.2222	0.2219	0.2214	0.2213				
	B52	3917	0.2276	0.2270	0.2267	0.2264	0.2262	0.2264	0.2262	0.2259	0.2255	0.2255				
	B53	3865	0.2270	0.2265	0.2261	0.2259	0.2256	0.2257	0.2255	0.2249	0.2248	0.2247				
	B54	3877	0.2268	0.2262	0.2259	0.2256	0.2253	0.2252	0.2248	0.2245	0.2245	0.2243				
	B55	3919	0.2270	0.2263	0.2260	0.2257	0.2255	0.2257	0.2256	0.2251	0.2248	0.2247				
	B60	4192	0.2255	0.2249	0.2246	0.2243	0.2240	0.2244	0.2243	0.2240	0.2237	0.2235				
	B69	3900	0.2258	0.2252	0.2249	0.2247	0.2244	0.2243	0.2242	0.2239	0.2238	0.2235				
	ave	**4049**														

DATA SET 32: CCT > 5000K, T_J = 98C	A8	6331	0.2087	0.2086	0.2087	0.2088	0.2088	0.2088	0.2088	0.2088	0.2088	0.2088	0.2088	0.2090	0.2090	
	A9	6217	0.2102	0.2101	0.2102	0.2103	0.2103	0.2103	0.2103	0.2102	0.2103	0.2103	0.2103	0.2104	0.2105	
	A10	5932	0.2093	0.2092	0.2092	0.2094	0.2094	0.2097	0.2096	0.2097	0.2097	0.2097	0.2097	0.2099	0.2099	
	A11	5669	0.2081	0.2080	0.2081	0.2082	0.2083	0.2084	0.2084	0.2084	0.2084	0.2085	0.2084	0.2085	0.2085	
	A12	5623	0.2082	0.2082	0.2082	0.2083	0.2084	0.2083	0.2083	0.2083	0.2083	0.2082	0.2082	0.2083	0.2083	
	A13	5694	0.2085	0.2085	0.2085	0.2086	0.2087	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2086	0.2086	
	A14	5629	0.2086	0.2085	0.2086	0.2087	0.2087	0.2087	0.2086	0.2086	0.2086	0.2086	0.2086	0.2087	0.2087	
	A15	5630	0.2086	0.2085	0.2086	0.2087	0.2087	0.2087	0.2087	0.2087	0.2087	0.2087	0.2087	0.2087	0.2088	
	A18	6481	0.2048	0.2047	0.2048	0.2048	0.2048	0.2047	0.2047	0.2047	0.2047	0.2047	0.2047	0.2048	0.2048	
	A19	6412	0.2046	0.2045	0.2046	0.2046	0.2047	0.2046	0.2045	0.2045	0.2045	0.2045	0.2045	0.2046	0.2046	
	A20	6391	0.2044	0.2043	0.2044	0.2044	0.2044	0.2045	0.2045	0.2045	0.2045	0.2045	0.2045	0.2046	0.2046	
	A21	6379	0.2055	0.2054	0.2056	0.2057	0.2057	0.2056	0.2056	0.2056	0.2056	0.2057	0.2057	0.2058	0.2058	
	A22	6488	0.2073	0.2072	0.2074	0.2074	0.2075	0.2073	0.2073	0.2073	0.2073	0.2073	0.2074	0.2074	0.2075	
	A23	6306	0.2073	0.2073	0.2074	0.2074	0.2075	0.2073	0.2073	0.2073	0.2073	0.2074	0.2074	0.2075	0.2075	
	A24	6088	0.2073	0.2072	0.2073	0.2074	0.2075	0.2073	0.2073	0.2073	0.2073	0.2074	0.2074	0.2075	0.2075	
	A25	5641	0.2072	0.2071	0.2073	0.2073	0.2074	0.2074	0.2074	0.2074	0.2074	0.2074	0.2074	0.2075	0.2075	
	A29	5504	0.2113	0.2113	0.2113	0.2113	0.2114	0.2113	0.2113	0.2113	0.2113	0.2114	0.2114	0.2115	0.2115	
	A30	5606	0.2116	0.2116	0.2116	0.2115	0.2115	0.2118	0.2118	0.2118	0.2118	0.2118	0.2119	0.2120	0.2120	
	A31	6115	0.2100	0.2099	0.2100	0.2101	0.2101	0.2101	0.2101	0.2101	0.2101	0.2101	0.2101	0.2102	0.2102	
	A32	5821	0.2102	0.2102	0.2102	0.2103	0.2103	0.2104	0.2103	0.2103	0.2103	0.2103	0.2103	0.2104	0.2104	
	A33	5853	0.2102	0.2102	0.2103	0.2103	0.2103	0.2103	0.2103	0.2103	0.2103	0.2103	0.2103	0.2104	0.2104	
	A34	5884	0.2102	0.2101	0.2103	0.2103	0.2103	0.2103	0.2102	0.2103	0.2103	0.2103	0.2103	0.2104	0.2104	
	A35	5688	0.2086	0.2085	0.2086	0.2087	0.2088	0.2090	0.2090	0.2089	0.2090	0.2089	0.2089	0.2090	0.2090	
	A36	6164	0.1981	0.1980	0.1981	0.1983	0.1984	0.1983	0.1982	0.1983	0.1982	0.1982	0.1982	0.1983	0.1983	
	A37	6136	0.1983	0.1982	0.1984	0.1985	0.1986	0.1985	0.1984	0.1984	0.1984	0.1984	0.1984	0.1985	0.1985	
	ave	**5987**														

$T_S = T_{AIR} = 85°C, I_F = 0.35A$

$T_S \geq 83C, T_{AIR} \geq 80C$ in compliance with LM-80-08

			v'													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 26: CCT = 4000K, T_J = 98C	A26	3881	0.5069	0.5069	0.5073	0.5073	0.5073	0.5083	0.5084	0.5083	0.5081	0.5074				
	A27	3917	0.5021	0.5022	0.5024	0.5024	0.5024	0.5027	0.5026	0.5024	0.5018	0.5016				
	A35	3973	0.4982	0.4984	0.4988	0.4988	0.4987	0.5008	0.5009	0.5004	0.4996	0.4996				
	A36	4199	0.4946	0.4949	0.4953	0.4953	0.4953	0.4974	0.4970	0.4962	0.4959	0.4959				
	A37	4253	0.4923	0.4925	0.4928	0.4929	0.4929	0.4969	0.4965	0.4958	0.4953	0.4951				
	A38	4223	0.4922	0.4925	0.4928	0.4929	0.4929	0.4946	0.4940	0.4938	0.4936	0.4936				
	A39	4145	0.4942	0.4946	0.4949	0.4950	0.4950	0.4974	0.4970	0.4963	0.4960	0.4961				
	A43	3953	0.5004	0.5008	0.5013	0.5014	0.5014	0.5024	0.5024	0.5022	0.5019	0.5012				
	A44	3851	0.5037	0.5040	0.5043	0.5044	0.5045	0.5054	0.5053	0.5051	0.5046	0.5045				
	A50	4061	0.4982	0.4983	0.4986	0.4986	0.4986	0.5003	0.5004	0.5000	0.4993	0.4989				
	A63	3968	0.5015	0.5019	0.5022	0.5022	0.5022	0.5024	0.5023	0.5022	0.5020	0.5016				
	A64	3930	0.5013	0.5017	0.5021	0.5021	0.5022	0.5034	0.5033	0.5030	0.5023	0.5022				
	B30	4256	0.4896	0.4897	0.4900	0.4899	0.4900	0.4949	0.4948	0.4943	0.4940	0.4932				
	B31	4072	0.4988	0.4990	0.4993		0.4992	0.5015	0.5015	0.5011	0.5008	0.4998				
	B32	4111	0.4985	0.4987	0.4991	0.4989	0.4990	0.5007	0.5007	0.5004	0.4998	0.4992				
	B33	4027	0.5037	0.5037	0.5041	0.5040	0.5041	0.5056	0.5055	0.5046	0.5043	0.5041				
	B34	4173	0.4978	0.4981	0.4985	0.4983	0.4984	0.5006	0.5006	0.5003	0.4994	0.4991				
	B40	4281	0.4905	0.4908	0.4910	0.4910	0.4910	0.4930	0.4929	0.4928	0.4925	0.4917				
	B50	4287	0.4912	0.4914	0.4918	0.4917	0.4917	0.4940	0.4939	0.4932	0.4922	0.4921				
	B52	3917	0.5009	0.5011	0.5013	0.5012	0.5011	0.5024	0.5022	0.5018	0.5013	0.5011				
	B53	3865	0.5055	0.5055	0.5058	0.5057	0.5057	0.5067	0.5066	0.5057	0.5056	0.5055				
	B54	3877	0.5053	0.5055	0.5056	0.5055	0.5055	0.5063	0.5058	0.5054	0.5052	0.5052				
	B55	3919	0.5021	0.5022	0.5024	0.5023	0.5023	0.5035	0.5035	0.5028	0.5023	0.5022				
	B60	4192	0.4906	0.4906	0.4911	0.4910	0.4909	0.4928	0.4926	0.4924	0.4918	0.4914				
	B69	3900	0.5061	0.5062	0.5065	0.5063	0.5063	0.5070	0.5067	0.5064	0.5062	0.5057				
	ave	**4049**														
DATA SET 32: CCT > 5000K, T_J = 98C	A8	6331	0.4591	0.4589	0.4592	0.4598	0.4603	0.4587	0.4588	0.4587	0.4585	0.4581	0.4583	0.4584	0.4581	
	A9	6217	0.4593	0.4590	0.4592	0.4596	0.4601	0.4585	0.4582	0.4582	0.4580	0.4578	0.4581	0.4583	0.4580	
	A10	5932	0.4652	0.4649	0.4652	0.4659	0.4665	0.4665	0.4663	0.4663	0.4661	0.4658	0.4659	0.4662	0.4659	
	A11	5669	0.4721	0.4719	0.4719	0.4727	0.4737	0.4727	0.4731	0.4731	0.4731	0.4730	0.4731	0.4738	0.4733	
	A12	5623	0.4729	0.4727	0.4723	0.4733	0.4742	0.4722	0.4725	0.4725	0.4724	0.4722	0.4724	0.4730	0.4726	
	A13	5694	0.4710	0.4709	0.4705	0.4714	0.4723	0.4703	0.4705	0.4706	0.4705	0.4703	0.4706	0.4712	0.4707	
	A14	5629	0.4723	0.4721	0.4720	0.4727	0.4735	0.4719	0.4721	0.4719	0.4719	0.4717	0.4720	0.4724	0.4720	
	A15	5630	0.4723	0.4721	0.4719	0.4726	0.4734	0.4721	0.4723	0.4724	0.4723	0.4722	0.4723	0.4729	0.4724	
	A18	6481	0.4612	0.4611	0.4613	0.4614	0.4617	0.4597	0.4602	0.4602	0.4601	0.4600	0.4600	0.4604	0.4602	
	A19	6412	0.4624	0.4623	0.4625	0.4627	0.4631	0.4614	0.4619	0.4619	0.4618	0.4617	0.4617	0.4622	0.4620	
	A20	6391	0.4630	0.4629	0.4632	0.4635	0.4638	0.4631	0.4637	0.4637	0.4636	0.4635	0.4635	0.4639	0.4637	
	A21	6379	0.4619	0.4619	0.4622	0.4632	0.4642	0.4618	0.4625	0.4627	0.4627	0.4625	0.4629	0.4633	0.4631	
	A22	6488	0.4583	0.4584	0.4590	0.4600	0.4608	0.4579	0.4588	0.4590	0.4590	0.4589	0.4592	0.4596	0.4593	
	A23	6306	0.4611	0.4611	0.4618	0.4627	0.4635	0.4606	0.4615	0.4616	0.4617	0.4616	0.4617	0.4622	0.4619	
	A24	6088	0.4649	0.4650	0.4653	0.4661	0.4670	0.4644	0.4652	0.4654	0.4654	0.4654	0.4654	0.4659	0.4657	
	A25	5641	0.4739	0.4740	0.4743	0.4750	0.4757	0.4740	0.4747	0.4749	0.4749	0.4749	0.4749	0.4754	0.4751	
	A29	5504	0.4715	0.4713	0.4711	0.4713	0.4716	0.4696	0.4699	0.4699	0.4700	0.4702	0.4702	0.4707	0.4703	
	A30	5606	0.4689	0.4687	0.4685	0.4679	0.4681	0.4682	0.4686	0.4687	0.4687	0.4688	0.4689	0.4694	0.4689	
	A31	6115	0.4612	0.4612	0.4618	0.4628	0.4636	0.4617	0.4622	0.4622	0.4621	0.4621	0.4623	0.4627	0.4622	
	A32	5821	0.4662	0.4662	0.4667	0.4676	0.4686	0.4665	0.4670	0.4671	0.4671	0.4672	0.4672	0.4677	0.4672	
	A33	5853	0.4656	0.4656	0.4661	0.4671	0.4679	0.4658	0.4663	0.4664	0.4664	0.4664	0.4663	0.4670	0.4665	
	A34	5884	0.4650	0.4651	0.4655	0.4664	0.4673	0.4653	0.4657	0.4656	0.4656	0.4656	0.4657	0.4663	0.4658	
	A35	5688	0.4710	0.4710	0.4714	0.4722	0.4730	0.4721	0.4726	0.4726	0.4724	0.4722	0.4724	0.4728	0.4725	
	A36	6164	0.4742	0.4741	0.4744	0.4751	0.4760	0.4747	0.4749	0.4749	0.4747	0.4747	0.4745	0.4753	0.4751	
	A37	6136	0.4745	0.4744	0.4748	0.4756	0.4765	0.4750	0.4752	0.4752	0.4752	0.4749	0.4750	0.4757	0.4754	
	ave	**5987**														

$T_S = T_{AIR} = 85°C, I_F = 0.35A$

$T_S \geq 83C, T_{AIR} \geq 80C$ in compliance with LM-80-08

			delta u' v'													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 26: CCT = 4000K, T_J = 98C	A26	3881	0.0000	0.0006	0.0009	0.0013	0.0015	0.0018	0.0020	0.0021	0.0021	0.0022				
	A27	3917	0.0000	0.0006	0.0010	0.0012	0.0015	0.0019	0.0020	0.0022	0.0026	0.0028				
	A35	3973	0.0000	0.0009	0.0013	0.0016	0.0018	0.0028	0.0029	0.0026	0.0024	0.0024				
	A36	4199	0.0000	0.0009	0.0014	0.0017	0.0018	0.0030	0.0028	0.0025	0.0025	0.0025				
	A37	4253	0.0000	0.0010	0.0013	0.0015	0.0018	0.0046	0.0042	0.0036	0.0032	0.0030				
	A38	4223	0.0000	0.0009	0.0013	0.0017	0.0018	0.0026	0.0023	0.0023	0.0023	0.0024				
	A39	4145	0.0000	0.0009	0.0013	0.0016	0.0019	0.0033	0.0031	0.0027	0.0026	0.0027				
	A43	3953	0.0000	0.0008	0.0013	0.0016	0.0019	0.0024	0.0024	0.0025	0.0024	0.0024				
	A44	3851	0.0000	0.0008	0.0012	0.0015	0.0018	0.0023	0.0023	0.0024	0.0025	0.0025				
	A50	4061	0.0000	0.0007	0.0010	0.0014	0.0016	0.0022	0.0024	0.0022	0.0019	0.0018				
	A63	3968	0.0000	0.0008	0.0012	0.0015	0.0017	0.0021	0.0022	0.0023	0.0024	0.0026				
	A64	3930	0.0000	0.0008	0.0012	0.0014	0.0017	0.0024	0.0024	0.0023	0.0023	0.0024				
	B30	4256	0.0000	0.0006	0.0010	0.0012	0.0015	0.0054	0.0052	0.0047	0.0044	0.0036				
	B31	4072	0.0000	0.0007	0.0011		0.0016	0.0028	0.0028	0.0025	0.0023	0.0020				
	B32	4111	0.0000	0.0007	0.0012	0.0014	0.0017	0.0025	0.0025	0.0024	0.0021	0.0021				
	B33	4027	0.0000	0.0007	0.0010	0.0011	0.0014	0.0021	0.0021	0.0018	0.0018	0.0018				
	B34	4173	0.0000	0.0008	0.0012	0.0013	0.0015	0.0029	0.0029	0.0027	0.0021	0.0020				
	B40	4281	0.0000	0.0007	0.0010	0.0013	0.0016	0.0026	0.0026	0.0025	0.0024	0.0020				
	B50	4287	0.0000	0.0006	0.0011	0.0012	0.0015	0.0029	0.0028	0.0023	0.0019	0.0019				
	B52	3917	0.0000	0.0006	0.0010	0.0012	0.0014	0.0019	0.0019	0.0019	0.0021	0.0021				
	B53	3865	0.0000	0.0005	0.0009	0.0011	0.0014	0.0018	0.0019	0.0021	0.0022	0.0023				
	B54	3877	0.0000	0.0006	0.0009	0.0012	0.0015	0.0019	0.0021	0.0023	0.0023	0.0025				
	B55	3919	0.0000	0.0007	0.0010	0.0013	0.0015	0.0019	0.0020	0.0020	0.0022	0.0023				
	B60	4192	0.0000	0.0006	0.0010	0.0013	0.0015	0.0025	0.0023	0.0023	0.0022	0.0022				
	B69	3900	0.0000	0.0006	0.0010	0.0011	0.0014	0.0017	0.0017	0.0019	0.0020	0.0023				
	ave	**4049**	**0.0000**	**0.0007**	**0.0011**	**0.0014**	**0.0016**	**0.0026**	**0.0025**	**0.0024**	**0.0024**	**0.0024**				
DATA SET 32: CCT > 5000K, T_J = 98C	A8	6331	0.0000	0.0002	0.0001	0.0007	0.0012	0.0004	0.0003	0.0004	0.0006	0.0010	0.0008	0.0008	0.0010	
	A9	6217	0.0000	0.0003	0.0001	0.0003	0.0008	0.0008	0.0011	0.0011	0.0013	0.0015	0.0012	0.0010	0.0013	
	A10	5932	0.0000	0.0003	0.0001	0.0007	0.0013	0.0014	0.0011	0.0012	0.0010	0.0007	0.0008	0.0012	0.0009	
	A11	5669	0.0000	0.0002	0.0002	0.0006	0.0016	0.0007	0.0010	0.0010	0.0010	0.0010	0.0010	0.0017	0.0013	
	A12	5623	0.0000	0.0002	0.0006	0.0004	0.0013	0.0007	0.0004	0.0004	0.0005	0.0007	0.0005	0.0001	0.0003	
	A13	5694	0.0000	0.0001	0.0005	0.0004	0.0013	0.0007	0.0005	0.0004	0.0005	0.0007	0.0004	0.0002	0.0003	
	A14	5629	0.0000	0.0002	0.0003	0.0004	0.0012	0.0004	0.0002	0.0004	0.0004	0.0006	0.0003	0.0001	0.0003	
	A15	5630	0.0000	0.0002	0.0004	0.0003	0.0011	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0006	0.0002	
	A18	6481	0.0000	0.0001	0.0001	0.0002	0.0005	0.0015	0.0010	0.0010	0.0011	0.0012	0.0012	0.0008	0.0010	
	A19	6412	0.0000	0.0001	0.0001	0.0003	0.0007	0.0010	0.0005	0.0005	0.0006	0.0007	0.0007	0.0002	0.0004	
	A20	6391	0.0000	0.0001	0.0002	0.0005	0.0008	0.0001	0.0007	0.0007	0.0006	0.0005	0.0005	0.0009	0.0007	
	A21	6379	0.0000	0.0001	0.0003	0.0013	0.0023	0.0001	0.0006	0.0008	0.0008	0.0006	0.0010	0.0014	0.0012	
	A22	6488	0.0000	0.0001	0.0007	0.0017	0.0025	0.0004	0.0005	0.0007	0.0007	0.0006	0.0009	0.0013	0.0010	
	A23	6306	0.0000	0.0000	0.0007	0.0016	0.0024	0.0005	0.0004	0.0005	0.0006	0.0005	0.0006	0.0011	0.0008	
	A24	6088	0.0000	0.0001	0.0004	0.0012	0.0021	0.0005	0.0003	0.0005	0.0005	0.0005	0.0005	0.0010	0.0008	
	A25	5641	0.0000	0.0001	0.0004	0.0011	0.0018	0.0002	0.0008	0.0010	0.0010	0.0010	0.0010	0.0015	0.0012	
	A29	5504	0.0000	0.0002	0.0004	0.0002	0.0001	0.0019	0.0016	0.0016	0.0015	0.0013	0.0013	0.0008	0.0012	
	A30	5606	0.0000	0.0002	0.0004	0.0010	0.0008	0.0007	0.0004	0.0003	0.0003	0.0002	0.0003	0.0006	0.0004	
	A31	6115	0.0000	0.0001	0.0006	0.0016	0.0024	0.0005	0.0010	0.0010	0.0009	0.0009	0.0011	0.0015	0.0010	
	A32	5821	0.0000	0.0000	0.0005	0.0014	0.0024	0.0004	0.0008	0.0009	0.0009	0.0010	0.0010	0.0015	0.0010	
	A33	5853	0.0000	0.0000	0.0005	0.0015	0.0023	0.0002	0.0007	0.0008	0.0008	0.0008	0.0007	0.0014	0.0009	
	A34	5884	0.0000	0.0001	0.0005	0.0014	0.0023	0.0003	0.0007	0.0006	0.0006	0.0006	0.0007	0.0013	0.0008	
	A35	5688	0.0000	0.0001	0.0004	0.0012	0.0020	0.0012	0.0016	0.0016	0.0015	0.0012	0.0014	0.0018	0.0016	
	A36	6164	0.0000	0.0001	0.0002	0.0009	0.0018	0.0005	0.0007	0.0007	0.0005	0.0005	0.0003	0.0011	0.0009	
	A37	6136	0.0000	0.0001	0.0003	0.0011	0.0020	0.0005	0.0007	0.0007	0.0007	0.0004	0.0005	0.0012	0.0009	
	ave	**5987**	**0.0000**	**0.0002**	**0.0004**	**0.0009**	**0.0016**	**0.0006**	**0.0007**	**0.0008**	**0.0008**	**0.0008**	**0.0008**	**0.0010**	**0.0009**	

$T_S = T_{AIR} = 85°C, I_F = 0.35A$

$T_S \geq 83C, T_{AIR} \geq 80C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 26: CCT = 4000K, T_J = 98C	A26	3881	3.281	3.441	3.341	3.251	3.197	3.133	3.114	3.092	3.072	3.058				
	A27	3917	3.181	3.230	3.172	3.141	3.128	3.104	3.096	3.087	3.079	3.072				
	A35	3973	3.395	3.278	3.178	3.130	3.114	3.095	3.088	3.081	3.074	3.069				
	A36	4199	3.225	3.134	3.069	3.045	3.045	3.038	3.034	3.030	3.026	3.021				
	A37	4253	3.415	3.357	3.254	3.192	3.179	3.157	3.154	3.148	3.140	3.136				
	A38	4223	3.240	3.162	3.094	3.062	3.053	3.045	3.039	3.035	3.031	3.027				
	A39	4145	3.316	3.222	3.133	3.086	3.078	3.062	3.057	3.052	3.046	3.041				
	A43	3953	3.327	3.258	3.105	3.011	2.980	2.949	2.942	2.935	2.929	2.926				
	A44	3851	3.282	3.211	3.059	2.972	2.945	2.920	2.915	2.908	2.905	2.903				
	A50	4061	3.245	3.236	3.198	3.165	3.164	3.177	3.184	3.184	3.184	3.184				
	A63	3968	3.254	3.166	3.022	2.945	2.942	2.922	2.918	2.916	2.912	2.910				
	A64	3930	3.250	3.164	3.018	2.954	2.936	2.920	2.916	2.911	2.907	2.904				
	B30	4256	3.321	3.255	3.106	3.018	2.988	2.966	2.961	2.955	2.950	2.946				
	B31	4072	3.255	3.231	3.191		3.161	3.167	3.172	3.173	3.173	3.172				
	B32	4111	3.261	3.234	3.200	3.161	3.163	3.171	3.174	3.174	3.174	3.174				
	B33	4027	3.261	3.235	3.189	3.173	3.166	3.179	3.182	3.182	3.181	3.178				
	B34	4173	3.276	3.244	3.198	3.156	3.165	3.172	3.177	3.176	3.177	3.174				
	B40	4281	3.275	3.211	3.084	2.998	2.971	2.952	2.946	2.941	2.935	2.931				
	B50	4287	3.248	3.206	3.092	3.004	2.974	2.946	2.941	2.934	2.930	2.925				
	B52	3917	3.357	3.404	3.331	3.272	3.240	3.196	3.181	3.161	3.146	3.132				
	B53	3865	3.380	3.471	3.396	3.322	3.299	3.253	3.236	3.219	3.201	3.187				
	B54	3877	3.215	3.275	3.244	3.191	3.175	3.142	3.131	3.119	3.107	3.095				
	B55	3919	3.226	3.284	3.251	3.206	3.185	3.152	3.140	3.125	3.112	3.101				
	B60	4192	3.225	3.149	3.037	2.975	2.971	2.964	2.961	2.956	2.954	2.951				
	B69	3900	3.280	3.268	3.228	3.191	3.196	3.205	3.208	3.205	3.202	3.201				
	ave	**4049**	**3.280**													
DATA SET 32: CCT > 5000K, T_J = 98C	A8	6331	3.167	3.170	3.175	3.168	3.164	3.158	3.153	3.152	3.153	3.150	3.153	3.152	3.155	
	A9	6217	3.167	3.171	3.177	3.172	3.165	3.158	3.155	3.154	3.155	3.152	3.154	3.155	3.156	
	A10	5932	3.166	3.171	3.176	3.171	3.166	3.157	3.155	3.154	3.154	3.150	3.152	3.154	3.157	
	A11	5669	3.589	3.337	3.305	3.293	3.262	3.247	3.236	3.228	3.228	3.225	3.225	3.216	3.214	
	A12	5623	3.581	3.332	3.300	3.285	3.255	3.238	3.229	3.225	3.224	3.219	3.221	3.213	3.210	
	A13	5694	3.602	3.344	3.311	3.293	3.263	3.245	3.238	3.233	3.231	3.229	3.229	3.224	3.218	
	A14	5629	3.595	3.340	3.307	3.294	3.259	3.242	3.235	3.226	3.227	3.225	3.225	3.219	3.216	
	A15	5630	3.593	3.338	3.306	3.291	3.258	3.242	3.235	3.226	3.226	3.222	3.221	3.218	3.216	
	A18	6481	3.119	3.115	3.121	3.117	3.113	3.110	3.112	3.112	3.119	3.122	3.126	3.148	3.144	
	A19	6412	3.121	3.115	3.118	3.118	3.116	3.112	3.113	3.114	3.119	3.122	3.129	3.145	3.144	
	A20	6391	3.118	3.117	3.122	3.120	3.114	3.115	3.113	3.116	3.121	3.125	3.132	3.149	3.148	
	A21	6379	3.100	3.096	3.100	3.097	3.094	3.091	3.090	3.092	3.096	3.097	3.102	3.114	3.113	
	A22	6488	3.097	3.093	3.096	3.093	3.086	3.084	3.084	3.084	3.087	3.090	3.094	3.104	3.103	
	A23	6306	3.096	3.092	3.094	3.094	3.089	3.086	3.083	3.086	3.091	3.088	3.095	3.108	3.107	
	A24	6088	3.100	3.096	3.098	3.094	3.092	3.089	3.088	3.088	3.093	3.094	3.100	3.111	3.112	
	A25	5641	3.103	3.101	3.104	3.103	3.097	3.091	3.091	3.094	3.099	3.099	3.107	3.118	3.116	
	A29	5504	3.030	3.030	3.033	3.028	3.030	3.027	3.026	3.030	3.030	3.031	3.032	3.041	3.043	
	A30	5606	3.029	3.029	3.031	3.030	3.027	3.026	3.026	3.026	3.030	3.030	3.034	3.041	3.042	
	A31	6115	3.060	3.060	3.062	3.059	3.056	3.052	3.051	3.052	3.055	3.055	3.059	3.063	3.065	
	A32	5821	3.057	3.056	3.058	3.054	3.053	3.049	3.049	3.052	3.052	3.057	3.060	3.069	3.068	
	A33	5853	3.054	3.054	3.056	3.054	3.052	3.048	3.050	3.052	3.054	3.059	3.061	3.076	3.074	
	A34	5884	3.052	3.053	3.058	3.053	3.050	3.046	3.047	3.048	3.054	3.054	3.060	3.070	3.071	
	A35	5688	3.089	3.089	3.092	3.092	3.086	3.084	3.081	3.084	3.086	3.087	3.088	3.095	3.097	
	A36	6164	3.566	3.425	3.401	3.387	3.360	3.344	3.336	3.331	3.331	3.327	3.327	3.328	3.324	
	A37	6136	3.572	3.431	3.406	3.389	3.360	3.349	3.338	3.331	3.332	3.331	3.333	3.335	3.329	
	ave	**5987**	**3.233**													

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	% at 6khours
DATA SET 1: CCT = 2650K, T_J = 129C	A11	2617	61.642	61.049	60.674	60.875	61.238	60.461	61.583	61.285	60.456	60.123					**97.5**
	A12	2627	60.673	60.127	59.767	59.908	60.038	59.017	60.413	60.192	59.191	58.959					**97.2**
	A13	2567	65.404	64.857	64.251	64.447	64.274	63.726	65.067	65.086	64.009	63.399					**96.9**
	A14	2675	66.498	65.871	65.346	65.634	66.096	65.123	66.273	66.075	65.190	64.883					**97.6**
	A15	2604	65.139	64.430	63.929	64.061	64.341	63.816	64.240	64.205	63.307	62.896					**96.6**
	A16	2599	61.984	61.495	61.120	61.323	61.958	60.564	61.798	61.694	60.682	60.438					**97.5**
	A17	2559	61.776	61.303	61.003	61.285	62.084	60.764	62.210	61.956	60.999	60.564					**98.0**
	A18	2628	66.376	65.765	65.322	65.419	65.969	65.318	66.010	65.903	64.966	64.592					**97.3**
	A19	2618	65.757	65.057	64.600	64.684	65.286	64.387	64.704	64.682	63.809	63.414					**96.4**
	A20	2559	65.413	64.981	64.506	64.439	64.982	64.670	65.165	65.109	64.185	63.831					**97.6**
	A31	2610	65.676	64.873	64.517	64.469	64.843	64.880	65.695	65.356	64.327	63.934					**97.3**
	A32	2581	64.400	63.740	63.409	63.415	63.730	62.993	63.901	63.570	62.694	62.335					**96.8**
	A33	2597	65.878	65.240	64.762	64.808	65.109	64.925	65.399	65.111	64.211	63.673					**96.7**
	A34	2580	62.721	62.193	61.899	62.130	62.884	62.388	63.046	62.794	61.878	61.476					**98.0**
	A35	2617	61.457	60.748	60.469	60.589	60.912	60.403	61.186	60.913	60.023	59.708					**97.2**
	A36	2639	67.265	66.720	66.261	66.470	67.128	66.890	67.240	67.093	66.150	65.774					**97.8**
	A37	2581	65.256	64.591	64.250	64.406	64.959	64.521	65.172	64.850	63.989	63.672					**97.6**
	A38	2610	66.987	66.437	66.029	66.176	66.836	66.508	67.310	67.010	65.992	65.304					**97.5**
	A39	2582	61.522	60.877	60.647	60.789	61.386	60.772	61.280	60.923	60.180	59.876					**97.3**
	A40	2626	62.514	61.926	61.660	61.757	62.212	61.549	62.001	61.844	61.091	60.885					**97.4**
	A51	2660	65.566	64.803	64.518	64.940	64.684	63.844	64.441	64.382	63.438	62.651					**95.6**
	A52	2653	68.115	67.551	67.246	67.726	67.892	67.364	67.764	67.458	66.433	65.557					**96.2**
	A53	2645	63.969	63.204	63.038	63.980	63.527	63.191	63.890	63.593	62.694	61.978					**96.9**
	A54	2621	64.744	64.174	63.961	64.481	63.833	63.292	63.718	63.408	62.468	61.652					**95.2**
	A55	2637	63.865	63.264	63.038	63.271	62.981	62.759	63.174	62.882	61.968	61.386					**96.1**
	ave	**2612**															**97.0**
DATA SET 10: CCT = 3000K, T_J = 129C	A1	2895	65.824	65.285	64.838	65.885	66.130	65.237	66.783	66.504	65.353	65.151					**99.0**
	A2	2954	66.409	65.798	65.500	67.003	65.937	65.141	66.734	66.558	65.396	65.310					**98.3**
	A3	3004	70.591	69.900	69.438	70.416	69.865	68.972	70.705	70.376	69.069	69.060					**97.8**
	A4	2991	72.898	72.478	71.905	73.321	73.646	72.641	73.975	73.533	72.166	72.047					**98.8**
	A5	3009	68.861	68.148	67.645	68.424	68.214	67.276	68.984	68.777	67.586	67.574					**98.1**
	A6	2963	67.024	66.360	65.917	66.559	66.587	65.713	67.465	67.326	66.170	66.159					**98.7**
	A7	2913	65.706	65.140	64.865	66.443	65.273	64.572	66.119	65.989	64.938	64.775					**98.6**
	A8	2933	66.090	65.367	65.221	66.165	65.570	64.928	66.575	66.498	65.424	65.320					**98.8**
	A9	2984	68.196	67.440	67.002	68.070	67.636	66.919	68.585	68.520	67.376	67.260					**98.6**
	A10	3008	68.916	68.213	67.769	68.758	68.372	67.534	68.965	68.870	67.679	67.711					**98.3**
	A21	3040	69.704	68.832	68.451	69.442	68.999	68.516	69.458	69.228	68.220	68.099					**97.7**
	A22	3029	70.207	69.434	69.108	69.704	69.446	69.110	70.132	69.824	68.722	68.605					**97.7**
	A23	3016	72.987	72.406	71.998	72.907	73.205	72.874	73.994	73.635	72.319	72.100					**98.8**
	A24	2983	70.700	69.915	69.575	70.363	70.017	69.711	70.485	70.226	68.985	68.854					**97.4**
	A25	2974	70.199	69.761	69.449	70.719	71.250	70.837	71.811	71.538	70.362	70.227					**100.0**
	A26	3096	69.078	68.470	68.306	69.643	68.687	68.438	69.574	69.457	68.469	68.304					**98.9**
	A27	2987	69.779	69.046	68.615	69.454	69.110	68.899	70.030	69.796	68.620	68.516					**98.2**
	A28	3042	72.639	71.929	71.472	72.506	72.844	72.543	73.703	73.446	72.254	72.109					**99.3**
	A29	3019	71.893	71.313	70.855	71.645	71.845	71.516	72.527	72.413	71.196	71.037					**98.8**
	A30	3000	67.065	65.767	65.284	65.360	64.088	64.004	66.141	66.074	64.933	64.747					**96.5**
	A41	3086	75.855	75.694	75.782	77.515	76.793	75.908	76.698	76.249	74.942	74.121					**97.7**
	A42	3065	73.663	73.075	72.918	72.734	72.589	72.247	73.141	72.674	71.486	70.856					**96.2**
	A43	2986	73.382	72.907	72.863	72.933	71.927	71.434	72.262	71.852	70.551	69.907					**95.3**
	A44	3058	74.527	73.604	73.627	74.587	73.541	73.225	74.598	74.111	72.874	72.123					**96.8**
	A45	3061	73.177	72.483	72.295	72.354	72.222	71.860	73.062	72.755	71.510	70.956					**97.0**
	ave	**3004**															**98.1**
DATA SET 19: CCT = 3500K, T_J = 133C	A1	3397	65.043	67.681	68.612	68.806	68.921	64.705	64.505	64.995	64.743	64.614					**99.3**
	A2	3226	64.213	67.036	67.953	67.278	67.359	64.380	63.863	64.489	63.767	63.758					**99.3**
	A3	3251	64.763	67.425	68.533	68.656	67.401	67.088	66.607	67.173	66.414	66.382					**102.5**
	A4	3440	65.302	67.719	68.712	68.763	68.637	68.945	68.882	69.384	69.122	69.213					**106.0**
	A5	3397	65.430	67.999	68.822	68.712	67.703	72.046	71.858	72.563	71.859	71.947					**110.0**
	A6	3362	64.503	67.283	68.033	67.548	68.160	71.693	71.655	72.301	71.558	71.541					**110.9**
	A7	3240	64.901	68.273	69.820	69.690	68.812	63.398	63.189	63.730	63.351	63.278					**97.5**
	A8	3323	65.969	68.655	69.627	70.103	68.345	65.006	65.098	65.774	65.067	65.230					**98.9**
	A9	3356	65.065	67.864	68.641	68.489	68.315	67.283	66.988	67.951		66.970					**102.9**
	A10	3340	60.180	58.659	59.040	58.204	59.334	58.427	57.498	57.762	57.319	57.211					**95.1**
	A32	3799	70.361	72.067	73.032	72.764	73.339	71.370	70.908	71.402	71.031	70.997					**100.9**
	A36	3772	73.230	74.243	75.227	75.732	76.869	75.604	75.624	75.741	75.142	75.197					**102.7**
	A44	3742	73.419	74.980	76.050	75.881	77.221	72.825	72.724	73.303	72.913	73.073					**99.5**
	A45	3771	73.511	75.145	76.012	77.561	77.275	77.409	77.192	77.858	77.648	77.393					**105.3**
	A46	3765	73.868	75.144	76.263	77.340	77.098	74.526	73.345	73.523	73.193	72.923					**98.7**
	A65	3792	73.456	75.221	76.377	77.425	77.022	78.747	77.933	77.854	77.334	77.099					**105.0**
	B35	3202	69.631	70.464	71.127	72.344	72.017	71.578	71.351	71.658	71.709	71.542					**102.7**
	B71	3448	62.879	61.995	62.379	62.789	63.582	57.802	56.364	56.749	56.361	56.208					**89.4**
	B72	3463	61.452	60.295	60.602	61.018	61.598	56.952	56.598	57.135	56.897	56.717					**92.3**
	B73	3502	60.325	59.248	59.414	59.431	59.934	56.047	55.533	55.793	55.483	55.299					**91.7**
	B74	3475	60.427	58.939	59.339	59.567	59.383	55.602	54.989	55.177	55.125	54.955					**90.9**
	B75	3441	59.699	58.345	59.234	59.314	59.736	59.371	59.554	59.571	59.073	58.887					**98.6**
	B76	3280	59.340	57.734	58.150	58.557	59.300	56.471	55.522	55.602	55.140	55.081					**92.8**
	B77	3500	58.395	57.666	58.524	58.514	58.736	54.989	54.911	55.199	54.975	54.767					**93.8**
	B78	3596	64.150	62.861	63.292	63.921	64.591	60.975	60.812	61.118	60.652	60.515					**94.3**
	ave	**3475**															**99.2**

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

Normalized flux

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 1: CCT = 2650K, T_J = 129C	A11	2617	1.0000	0.9904	0.9843	0.9875	0.9934	0.9808	0.9990	0.9942	0.9808	0.9754				
	A12	2627	1.0000	0.9910	0.9851	0.9874	0.9895	0.9727	0.9957	0.9921	0.9756	0.9718				
	A13	2567	1.0000	0.9916	0.9824	0.9854	0.9827	0.9744	0.9948	0.9951	0.9787	0.9693				
	A14	2675	1.0000	0.9906	0.9827	0.9870	0.9940	0.9793	0.9966	0.9936	0.9803	0.9757				
	A15	2604	1.0000	0.9891	0.9814	0.9835	0.9877	0.9797	0.9862	0.9857	0.9719	0.9656				
	A16	2599	1.0000	0.9921	0.9861	0.9893	0.9996	0.9771	0.9970	0.9953	0.9790	0.9751				
	A17	2559	1.0000	0.9923	0.9875	0.9920	1.0050	0.9836	1.0070	1.0029	0.9874	0.9804				
	A18	2628	1.0000	0.9908	0.9841	0.9856	0.9939	0.9841	0.9945	0.9929	0.9788	0.9731				
	A19	2618	1.0000	0.9893	0.9824	0.9837	0.9928	0.9792	0.9840	0.9836	0.9704	0.9644				
	A20	2559	1.0000	0.9934	0.9861	0.9851	0.9934	0.9886	0.9962	0.9954	0.9812	0.9758				
	A31	2610	1.0000	0.9878	0.9824	0.9816	0.9873	0.9879	1.0003	0.9951	0.9795	0.9735				
	A32	2581	1.0000	0.9898	0.9846	0.9847	0.9896	0.9782	0.9923	0.9871	0.9735	0.9679				
	A33	2597	1.0000	0.9903	0.9831	0.9838	0.9883	0.9855	0.9927	0.9884	0.9747	0.9665				
	A34	2580	1.0000	0.9916	0.9869	0.9906	1.0026	0.9947	1.0052	1.0012	0.9866	0.9801				
	A35	2617	1.0000	0.9885	0.9839	0.9859	0.9911	0.9828	0.9956	0.9911	0.9767	0.9715				
	A36	2639	1.0000	0.9919	0.9851	0.9882	0.9980	0.9944	0.9996	0.9974	0.9834	0.9778				
	A37	2581	1.0000	0.9898	0.9846	0.9870	0.9954	0.9887	0.9987	0.9938	0.9806	0.9757				
	A38	2610	1.0000	0.9918	0.9857	0.9879	0.9977	0.9928	1.0048	1.0003	0.9851	0.9749				
	A39	2582	1.0000	0.9895	0.9858	0.9881	0.9978	0.9878	0.9961	0.9903	0.9782	0.9733				
	A40	2626	1.0000	0.9906	0.9863	0.9879	0.9952	0.9846	0.9918	0.9893	0.9772	0.9739				
	A51	2660	1.0000	0.9884	0.9840	0.9904	0.9866	0.9737	0.9828	0.9819	0.9676	0.9555				
	A52	2653	1.0000	0.9917	0.9872	0.9943	0.9967	0.9890	0.9948	0.9904	0.9753	0.9624				
	A53	2645	1.0000	0.9880	0.9854	1.0002	0.9931	0.9878	0.9988	0.9941	0.9801	0.9689				
	A54	2621	1.0000	0.9912	0.9879	0.9959	0.9859	0.9776	0.9841	0.9794	0.9648	0.9522				
	A55	2637	1.0000	0.9906	0.9871	0.9907	0.9862	0.9827	0.9892	0.9846	0.9703	0.9612				
	ave	**2612**	**1.0000**	**0.9905**	**0.9849**	**0.9881**	**0.9929**	**0.9835**	**0.9951**	**0.9918**	**0.9775**	**0.9705**				
DATA SET 10: CCT = 3000K, T_J = 129C	A1	2895	1.0000	0.9918	0.9850	1.0009	1.0046	0.9911	1.0146	1.0103	0.9928	0.9898				
	A2	2954	1.0000	0.9908	0.9863	1.0089	0.9929	0.9809	1.0049	1.0022	0.9847	0.9834				
	A3	3004	1.0000	0.9902	0.9837	0.9975	0.9897	0.9771	1.0016	0.9970	0.9784	0.9783				
	A4	2991	1.0000	0.9942	0.9864	1.0058	1.0103	0.9965	1.0148	1.0087	0.9900	0.9883				
	A5	3009	1.0000	0.9897	0.9823	0.9936	0.9906	0.9770	1.0018	0.9988	0.9815	0.9813				
	A6	2963	1.0000	0.9901	0.9835	0.9930	0.9935	0.9804	1.0066	1.0045	0.9872	0.9871				
	A7	2913	1.0000	0.9914	0.9872	1.0112	0.9934	0.9827	1.0063	1.0043	0.9883	0.9858				
	A8	2933	1.0000	0.9891	0.9869	1.0011	0.9921	0.9824	1.0073	1.0062	0.9899	0.9883				
	A9	2984	1.0000	0.9889	0.9825	0.9982	0.9918	0.9813	1.0057	1.0048	0.9880	0.9863				
	A10	3008	1.0000	0.9898	0.9834	0.9977	0.9921	0.9799	1.0007	0.9993	0.9820	0.9825				
	A21	3040	1.0000	0.9875	0.9820	0.9962	0.9899	0.9829	0.9965	0.9932	0.9787	0.9770				
	A22	3029	1.0000	0.9890	0.9843	0.9928	0.9892	0.9844	0.9989	0.9945	0.9788	0.9772				
	A23	3016	1.0000	0.9920	0.9864	0.9989	1.0030	0.9985	1.0138	1.0089	0.9908	0.9879				
	A24	2983	1.0000	0.9889	0.9841	0.9952	0.9903	0.9860	0.9970	0.9933	0.9757	0.9739				
	A25	2974	1.0000	0.9938	0.9893	1.0074	1.0150	1.0091	1.0230	1.0191	1.0023	1.0004				
	A26	3096	1.0000	0.9912	0.9888	1.0082	0.9943	0.9907	1.0072	1.0055	0.9912	0.9888				
	A27	2987	1.0000	0.9895	0.9833	0.9954	0.9904	0.9874	1.0036	1.0003	0.9834	0.9819				
	A28	3042	1.0000	0.9902	0.9839	0.9982	1.0028	0.9987	1.0147	1.0111	0.9947	0.9927				
	A29	3019	1.0000	0.9919	0.9856	0.9966	0.9993	0.9948	1.0088	1.0072	0.9903	0.9881				
	A30	3000	1.0000	0.9806	0.9734	0.9746	0.9556	0.9544	0.9862	0.9852	0.9682	0.9654				
	A41	3086	1.0000	0.9979	0.9990	1.0219	1.0124	1.0007	1.0111	1.0052	0.9880	0.9771				
	A42	3065	1.0000	0.9920	0.9899	0.9874	0.9854	0.9808	0.9929	0.9866	0.9704	0.9619				
	A43	2986	1.0000	0.9935	0.9929	0.9939	0.9802	0.9734	0.9847	0.9791	0.9614	0.9526				
	A44	3058	1.0000	0.9876	0.9879	1.0008	0.9868	0.9825	1.0010	0.9944	0.9778	0.9677				
	A45	3061	1.0000	0.9905	0.9879	0.9888	0.9869	0.9820	0.9984	0.9942	0.9772	0.9697				
	ave	**3004**	**1.0000**	**0.9905**	**0.9858**	**0.9986**	**0.9933**	**0.9854**	**1.0041**	**1.0006**	**0.9837**	**0.9805**				
DATA SET 19: CCT = 3500K, T_J = 133C	A1	3397	1.0000	1.0406	1.0549	1.0579	1.0596	0.9948	0.9917	0.9993	0.9954	0.9934				
	A2	3226	1.0000	1.0439	1.0582	1.0477	1.0490	1.0026	0.9945	1.0043	0.9931	0.9929				
	A3	3251	1.0000	1.0411	1.0582	1.0601	1.0407	1.0359	1.0285	1.0372	1.0255	1.0250				
	A4	3440	1.0000	1.0370	1.0522	1.0530	1.0511	1.0558	1.0548	1.0625	1.0585	1.0599				
	A5	3397	1.0000	1.0393	1.0518	1.0502	1.0347	1.1011	1.0982	1.1090	1.0982	1.0996				
	A6	3362	1.0000	1.0431	1.0547	1.0472	1.0567	1.1115	1.1109	1.1209	1.1094	1.1091				
	A7	3240	1.0000	1.0519	1.0758	1.0738	1.0603	0.9768	0.9736	0.9820	0.9761	0.9750				
	A8	3323	1.0000	1.0407	1.0555	1.0627	1.0360	0.9854	0.9868	0.9970	0.9863	0.9888				
	A9	3356	1.0000	1.0430	1.0550	1.0526	1.0500	1.0341	1.0296	1.0444		1.0293				
	A10	3340	1.0000	0.9747	0.9810	0.9672	0.9859	0.9709	0.9554	0.9598	0.9524	0.9507				
	A32	3799	1.0000	1.0242	1.0380	1.0342	1.0423	1.0143	1.0078	1.0148	1.0095	1.0090				
	A36	3772	1.0000	1.0138	1.0273	1.0342	1.0497	1.0324	1.0327	1.0343	1.0261	1.0269				
	A44	3742	1.0000	1.0213	1.0358	1.0335	1.0518	0.9919	0.9905	0.9984	0.9931	0.9953				
	A45	3771	1.0000	1.0222	1.0340	1.0551	1.0512	1.0530	1.0501	1.0591	1.0563	1.0528				
	A46	3765	1.0000	1.0173	1.0324	1.0470	1.0437	1.0089	0.9929	0.9953	0.9909	0.9872				
	A65	3792	1.0000	1.0240	1.0398	1.0540	1.0485	1.0720	1.0609	1.0599	1.0528	1.0496				
	B35	3202	1.0000	1.0120	1.0215	1.0390	1.0343	1.0280	1.0247	1.0291	1.0299	1.0274				
	B71	3448	1.0000	0.9859	0.9921	0.9986	1.0112	0.9193	0.8964	0.9025	0.8963	0.8939				
	B72	3463	1.0000	0.9812	0.9862	0.9929	1.0024	0.9268	0.9210	0.9298	0.9259	0.9230				
	B73	3502	1.0000	0.9821	0.9849	0.9852	0.9935	0.9291	0.9206	0.9249	0.9197	0.9167				
	B74	3475	1.0000	0.9754	0.9820	0.9858	0.9827	0.9201	0.9100	0.9131	0.9123	0.9094				
	B75	3441	1.0000	0.9773	0.9922	0.9936	1.0006	0.9945	0.9976	0.9979	0.9895	0.9864				
	B76	3280	1.0000	0.9729	0.9799	0.9868	0.9993	0.9516	0.9357	0.9370	0.9292	0.9282				
	B77	3500	1.0000	0.9875	1.0022	1.0020	1.0058	0.9417	0.9403	0.9453	0.9414	0.9379				
	B78	3596	1.0000	0.9799	0.9866	0.9964	1.0069	0.9505	0.9480	0.9527	0.9455	0.9433				
	ave	**3475**	**1.0000**	**1.0133**	**1.0253**	**1.0284**	**1.0299**	**1.0001**	**0.9941**	**1.0004**	**0.9922**	**0.9924**				

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 1: CCT = 2650K, T_J = 129C	A11	2617	2.7717E-06	0.9969	0.291	127,547
	A12	2627	2.4429E-06	0.9913	0.176	142,419
	A13	2567	1.5706E-06	0.9879	0.074	219,340
	A14	2675	2.6428E-06	0.9957	0.287	133,342
	A15	2604	3.9459E-06	0.9930	0.645	88,620
	A16	2599	3.4313E-06	0.9990	0.318	103,669
	A17	2559	3.3271E-06	1.0060	0.271	108,992
	A18	2628	3.5234E-06	0.9984	0.522	100,778
	A19	2618	4.9397E-06	0.9961	0.776	71,413
	A20	2559	3.2223E-06	0.9996	0.513	110,571
	A31	2610	2.8968E-06	0.9973	0.296	122,182
	A32	2581	3.7163E-06	0.9942	0.492	94,421
	A33	2597	4.2600E-06	0.9974	0.612	83,119
	A34	2580	4.0528E-06	1.0092	0.577	90,272
	A35	2617	3.5206E-06	0.9970	0.474	100,455
	A36	2639	3.9283E-06	1.0055	0.655	92,190
	A37	2581	3.7096E-06	1.0017	0.578	96,611
	A38	2610	4.1070E-06	1.0069	0.477	88,531
	A39	2582	4.5635E-06	1.0031	0.743	78,834
	A40	2626	3.7916E-06	0.9985	0.697	93,664
	A51	2660	5.1349E-06	0.9923	0.641	67,958
	A52	2653	6.3209E-06	1.0067	0.761	57,489
	A53	2645	4.3374E-06	1.0022	0.528	82,732
	A54	2621	6.2272E-06	0.9954	0.755	56,537
	A55	2637	4.8837E-06	0.9958	0.669	72,181
	ave	**2612**	**3.8895E-06**	**0.9987**	**0.532**	**91,365**

DATA SET 10: CCT = 3000K, T_J = 129C	A1	2895	2.0970E-06	1.0079	0.134	173,825
	A2	2954	1.1047E-06	0.9953	0.041	318,612
	A3	3004	1.6701E-06	0.9928	0.084	209,216
	A4	2991	3.8679E-06	1.0150	0.412	96,067
	A5	3009	1.0374E-06	0.9920	0.035	336,104
	A6	2963	3.8657E-07	0.9945	0.005	908,457
	A7	2913	6.6600E-07	0.9958	0.016	529,160
	A8	2933	-7.4181E-08	0.9941	0.000	-4,728,174
	A9	2984	2.3850E-07	0.9938	0.002	1,469,209
	A10	3008	1.2446E-06	0.9937	0.063	281,522
	A21	3040	2.3411E-06	0.9944	0.292	149,977
	A22	3029	2.3471E-06	0.9953	0.252	149,951
	A23	3016	2.9674E-06	1.0109	0.302	123,843
	A24	2983	3.3960E-06	0.9978	0.441	104,373
	A25	2974	2.7515E-06	1.0212	0.327	137,262
	A26	3096	8.0903E-07	0.9991	0.036	439,730
	A27	2987	1.6754E-06	0.9970	0.122	211,073
	A28	3042	1.8900E-06	1.0091	0.160	193,496
	A29	3019	2.0461E-06	1.0052	0.197	176,874
	A30	3000	-2.6672E-06	0.9601	0.121	-118,456
	A41	3086	6.3245E-06	1.0214	0.717	59,738
	A42	3065	4.5424E-06	0.9953	0.523	77,487
	A43	2986	5.2976E-06	0.9900	0.599	65,439
	A44	3058	3.3823E-06	0.9967	0.276	104,479
	A45	3061	3.0646E-06	0.9953	0.277	114,853
	ave	**3004**	**2.0990E-06**	**0.9985**	**0.165**	**169,230**

DATA SET 19: CCT = 3500K, T_J = 133C	A1	3397	8.9516E-06	1.0374	0.420	43,949
	A2	3226	8.3903E-06	1.0358	0.551	46,708
	A3	3251	2.7990E-06	1.0423	0.657	142,222
	A4	3440	-1.6220E-06	1.0511	0.624	-250,626
	A5	3397	-8.7401E-06	1.0570	0.405	-47,154
	A6	3362	-7.0111E-06	1.0761	0.379	-61,338
	A7	3240	1.1795E-05	1.0319	0.430	32,901
	A8	3323	6.2887E-06	1.0188	0.364	59,672
	A9	3356				
	A10	3340	6.7168E-06	0.9853	0.806	50,903
	A32	3799	4.8457E-06	1.0336	0.506	80,429
	A36	3772	3.6216E-06	1.0468	0.682	111,125
	A44	3742	7.5582E-06	1.0302	0.368	51,124
	A45	3771	-7.2772E-07	1.0511	0.181	-558,570
	A46	3765	9.4321E-06	1.0366	0.714	41,630
	A65	3792	1.4389E-06	1.0626	0.103	290,073
	B35	3202	6.6504E-07	1.0313	0.163	582,644
	B71	3448	1.9582E-05	0.9842	0.585	17,403
	B72	3463	1.1605E-05	0.9766	0.437	28,691
	B73	3502	1.2233E-05	0.9745	0.553	27,049
	B74	3475	1.1712E-05	0.9629	0.521	27,229
	B75	3441	2.4684E-06	1.0030	0.708	145,725
	B76	3280	1.2546E-05	0.9890	0.700	27,549
	B77	3500	9.8673E-06	0.9852	0.461	34,637
	B78	3596	9.6250E-06	0.9904	0.525	36,052
	ave	**3475**	**5.7972E-06**	**1.0220**	**0.582**	**65,276**

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

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		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 1: CCT = 2650K, T_J = 129C	A11	2617	0.2664	0.2653	0.2647	0.2643	0.2640	0.2634	0.2634	0.2635	0.2640	0.2647				
	A12	2627	0.2659	0.2648	0.2643	0.2638	0.2637	0.2631	0.2630	0.2630	0.2637	0.2643				
	A13	2567	0.2688	0.2678	0.2672	0.2666	0.2665	0.2659	0.2658	0.2658	0.2665	0.2674				
	A14	2675	0.2633	0.2623	0.2618	0.2611	0.2608	0.2604	0.2603	0.2603	0.2609	0.2615				
	A15	2604	0.2669	0.2659	0.2654	0.2647	0.2642	0.2639	0.2638	0.2639	0.2645	0.2651				
	A16	2599	0.2671	0.2660	0.2655	0.2650	0.2648	0.2643	0.2641	0.2642	0.2648	0.2653				
	A17	2559	0.2692	0.2682	0.2677	0.2672	0.2669	0.2665	0.2663	0.2664	0.2670	0.2678				
	A18	2628	0.2654	0.2644	0.2638	0.2633	0.2630	0.2626	0.2625	0.2625	0.2631	0.2636				
	A19	2618	0.2661	0.2650	0.2645	0.2640	0.2636	0.2632	0.2632	0.2632	0.2638	0.2645				
	A20	2559	0.2693	0.2683	0.2677	0.2673	0.2668	0.2664	0.2664	0.2665	0.2671	0.2677				
	A31	2610	0.2666	0.2656	0.2650	0.2645	0.2640	0.2637	0.2635	0.2637	0.2643	0.2649				
	A32	2581	0.2682	0.2671	0.2665	0.2660	0.2655	0.2651	0.2651	0.2652	0.2658	0.2664				
	A33	2597	0.2673	0.2663	0.2657	0.2652	0.2648	0.2644	0.2644	0.2645	0.2651	0.2658				
	A34	2580	0.2680	0.2669	0.2664	0.2659	0.2655	0.2650	0.2651	0.2652	0.2657	0.2663				
	A35	2617	0.2662	0.2652	0.2646	0.2641	0.2636	0.2632	0.2632	0.2633	0.2638	0.2644				
	A36	2639	0.2651	0.2640	0.2635	0.2628	0.2624	0.2620	0.2620	0.2621	0.2626	0.2632				
	A37	2581	0.2679	0.2668	0.2663	0.2657	0.2654	0.2649	0.2649	0.2649	0.2655	0.2661				
	A38	2610	0.2666	0.2655	0.2650	0.2643	0.2639	0.2635	0.2635	0.2635	0.2642	0.2652				
	A39	2582	0.2682	0.2671	0.2665	0.2659	0.2656	0.2652	0.2651	0.2653	0.2658	0.2664				
	A40	2626	0.2659	0.2647	0.2642	0.2637	0.2634	0.2630	0.2631	0.2631	0.2637	0.2643				
	A51	2660	0.2645	0.2635	0.2629	0.2623	0.2617	0.2614	0.2614	0.2615	0.2622	0.2634				
	A52	2653	0.2649	0.2639	0.2634	0.2629	0.2622	0.2620	0.2620	0.2621	0.2627	0.2638				
	A53	2645	0.2646	0.2637	0.2632	0.2626	0.2619	0.2616	0.2617	0.2618	0.2624	0.2633				
	A54	2621	0.2663	0.2654	0.2649	0.2643	0.2638	0.2635	0.2636	0.2637	0.2644	0.2655				
	A55	2637	0.2654	0.2644	0.2639	0.2632	0.2626	0.2623	0.2624	0.2625	0.2632	0.2640				
	ave	**2612**														
DATA SET 10: CCT = 3000K, T_J = 129C	A1	2895	0.2545	0.2537	0.2535	0.2531	0.2526	0.2523	0.2523	0.2524	0.2529	0.2536				
	A2	2954	0.2520	0.2513	0.2510	0.2507	0.2503	0.2500	0.2500	0.2501	0.2507	0.2511				
	A3	3004	0.2504	0.2497	0.2493	0.2490	0.2486	0.2482	0.2482	0.2483	0.2487	0.2492				
	A4	2991	0.2511	0.2505	0.2501	0.2497	0.2490	0.2488	0.2488	0.2489	0.2494	0.2500				
	A5	3009	0.2495	0.2488	0.2485	0.2481	0.2476	0.2474	0.2474	0.2474	0.2479	0.2483				
	A6	2963	0.2514	0.2507	0.2504	0.2500	0.2496	0.2493	0.2494	0.2494	0.2498	0.2502				
	A7	2913	0.2541	0.2534	0.2530	0.2527	0.2522	0.2520	0.2520	0.2521	0.2526	0.2531				
	A8	2933	0.2529	0.2522	0.2518	0.2514	0.2511	0.2509	0.2509	0.2509	0.2514	0.2519				
	A9	2984	0.2504	0.2496	0.2494	0.2490	0.2485	0.2484	0.2484	0.2484	0.2488	0.2493				
	A10	3008	0.2497	0.2489	0.2486	0.2484	0.2479	0.2476	0.2476	0.2477	0.2482	0.2486				
	A21	3040	0.2486	0.2479	0.2476	0.2472	0.2466	0.2464	0.2463	0.2464	0.2468	0.2472				
	A22	3029	0.2490	0.2482	0.2480	0.2475	0.2470	0.2468	0.2467	0.2467	0.2472	0.2476				
	A23	3016	0.2495	0.2487	0.2485	0.2480	0.2474	0.2472	0.2471	0.2472	0.2476	0.2481				
	A24	2983	0.2512	0.2504	0.2503	0.2496	0.2491	0.2489	0.2488	0.2489	0.2494	0.2499				
	A25	2974	0.2511	0.2504	0.2501	0.2497	0.2491	0.2490	0.2489	0.2490	0.2494	0.2498				
	A26	3096	0.2465	0.2458	0.2456	0.2452	0.2447	0.2445	0.2445	0.2445	0.2449	0.2453				
	A27	2987	0.2509	0.2502	0.2500	0.2494	0.2489	0.2487	0.2487	0.2486	0.2491	0.2495				
	A28	3042	0.2481	0.2474	0.2472	0.2467	0.2460	0.2458	0.2458	0.2458	0.2461	0.2466				
	A29	3019	0.2495	0.2487	0.2485	0.2481	0.2475	0.2473	0.2472	0.2472	0.2477	0.2481				
	A30	3000	0.2503	0.2491	0.2487	0.2483	0.2481	0.2479	0.2478	0.2477	0.2482	0.2487				
	A41	3086	0.2484	0.2477	0.2474	0.2468	0.2462	0.2461	0.2462	0.2463	0.2471	0.2481				
	A42	3065	0.2486	0.2479	0.2476	0.2472	0.2468	0.2466	0.2468	0.2469	0.2476	0.2485				
	A43	2986	0.2518	0.2511	0.2507	0.2501	0.2498	0.2497	0.2498	0.2499	0.2507	0.2518				
	A44	3058	0.2489	0.2483	0.2480	0.2475	0.2470	0.2469	0.2469	0.2471	0.2479	0.2489				
	A45	3061	0.2483	0.2476	0.2473	0.2467	0.2463	0.2462	0.2463	0.2464	0.2471	0.2480				
	ave	**3004**														
DATA SET 19: CCT = 3500K, T_J = 133C	A1	3397	0.2404	0.2399	0.2397	0.2396	0.2387	0.2395	0.2393	0.2394	0.2393	0.2394				
	A2	3226	0.2451	0.2447	0.2444	0.2441	0.2431	0.2441	0.2440	0.2440	0.2440	0.2442				
	A3	3251	0.2449	0.2444	0.2442	0.2437	0.2428	0.2434	0.2432	0.2432	0.2432	0.2433				
	A4	3440	0.2406	0.2401	0.2399	0.2396	0.2389	0.2392	0.2390	0.2390	0.2390	0.2392				
	A5	3397	0.2401	0.2397	0.2394	0.2391	0.2381	0.2397	0.2395	0.2396	0.2395	0.2397				
	A6	3362	0.2420	0.2415	0.2412	0.2409	0.2403	0.2419	0.2415	0.2416	0.2416	0.2417				
	A7	3240	0.2434	0.2427	0.2424	0.2420	0.2411	0.2434	0.2431	0.2431	0.2431	0.2432				
	A8	3323	0.2408	0.2403	0.2400	0.2395	0.2388	0.2399	0.2397	0.2399	0.2398	0.2400				
	A9	3356	0.2394	0.2390	0.2387	0.2385	0.2379	0.2384	0.2381	0.2383		0.2384				
	A10	3340	0.2436	0.2410	0.2406	0.2402	0.2399	0.2413	0.2413	0.2412	0.2412	0.2412				
	A32	3799	0.2298	0.2293	0.2291	0.2287	0.2283	0.2290	0.2289	0.2289	0.2289	0.2290				
	A36	3772	0.2302	0.2296	0.2294	0.2287	0.2285	0.2286	0.2285	0.2285	0.2285	0.2287				
	A44	3742	0.2300	0.2296	0.2295	0.2289	0.2286	0.2301	0.2297	0.2297	0.2295	0.2296				
	A45	3771	0.2303	0.2297	0.2296	0.2290	0.2287	0.2314	0.2313	0.2312	0.2311	0.2312				
	A46	3765	0.2299	0.2294	0.2293	0.2288	0.2285	0.2304	0.2302	0.2302	0.2302	0.2303				
	A65	3792	0.2289	0.2285	0.2282	0.2279	0.2275	0.2292	0.2292	0.2292	0.2293	0.2295				
	B35	3202	0.2465	0.2462	0.2459	0.2452	0.2447	0.2469	0.2468	0.2467	0.2466	0.2467				
	B71	3448	0.2393	0.2369	0.2366	0.2361	0.2359	0.2379	0.2378	0.2377	0.2377	0.2378				
	B72	3463	0.2403	0.2378	0.2374	0.2370	0.2368	0.2381	0.2382	0.2380	0.2380	0.2381				
	B73	3502	0.2371	0.2354	0.2349	0.2343	0.2341	0.2355	0.2353	0.2353	0.2352	0.2352				
	B74	3475	0.2392	0.2369	0.2365	0.2359	0.2359	0.2372	0.2371	0.2370	0.2368	0.2369				
	B75	3441	0.2382	0.2369	0.2363	0.2358	0.2354	0.2370	0.2371	0.2371	0.2371	0.2372				
	B76	3280	0.2420	0.2395	0.2391	0.2385	0.2382	0.2397	0.2396	0.2392	0.2392	0.2393				
	B77	3500	0.2381	0.2368	0.2361	0.2357	0.2355	0.2363	0.2364	0.2363	0.2362	0.2363				
	B78	3596	0.2359	0.2337	0.2334	0.2330	0.2327	0.2338	0.2335	0.2334	0.2334	0.2335				
	ave	**3475**														

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

			v'													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 1: CCT = 2650K, T_J = 129C	A11	2617	0.5288	0.5285	0.5285	0.5286	0.5290	0.5285	0.5285	0.5285	0.5288	0.5289				
	A12	2627	0.5286	0.5283	0.5283	0.5284	0.5289	0.5286	0.5286	0.5286	0.5289	0.5291				
	A13	2567	0.5296	0.5294	0.5295	0.5292	0.5295	0.5292	0.5293	0.5293	0.5295	0.5295				
	A14	2675	0.5296	0.5294	0.5296	0.5292	0.5293	0.5289	0.5290	0.5290	0.5292	0.5294				
	A15	2604	0.5295	0.5292	0.5294	0.5290	0.5290	0.5288	0.5289	0.5289	0.5291	0.5293				
	A16	2599	0.5297	0.5295	0.5295	0.5296	0.5300	0.5295	0.5295	0.5296	0.5298	0.5299				
	A17	2559	0.5295	0.5292	0.5293	0.5293	0.5299	0.5293	0.5293	0.5293	0.5296	0.5297				
	A18	2628	0.5308	0.5306	0.5307	0.5306	0.5308	0.5305	0.5306	0.5307	0.5309	0.5310				
	A19	2618	0.5302	0.5299	0.5299	0.5299	0.5301	0.5296	0.5297	0.5298	0.5300	0.5301				
	A20	2559	0.5289	0.5287	0.5287	0.5287	0.5288	0.5285	0.5286	0.5286	0.5288	0.5290				
	A31	2610	0.5293	0.5290	0.5290	0.5290	0.5289	0.5289	0.5290	0.5288	0.5291	0.5293				
	A32	2581	0.5289	0.5287	0.5288	0.5288	0.5288	0.5284	0.5285	0.5285	0.5288	0.5289				
	A33	2597	0.5292	0.5290	0.5290	0.5290	0.5290	0.5290	0.5291	0.5291	0.5293	0.5294				
	A34	2580	0.5304	0.5302	0.5302	0.5303	0.5309	0.5303	0.5304	0.5303	0.5305	0.5306				
	A35	2617	0.5296	0.5293	0.5294	0.5293	0.5294	0.5291	0.5292	0.5292	0.5294	0.5296				
	A36	2639	0.5296	0.5294	0.5295	0.5292	0.5292	0.5290	0.5291	0.5292	0.5294	0.5296				
	A37	2581	0.5306	0.5304	0.5305	0.5304	0.5306	0.5301	0.5301	0.5302	0.5304	0.5306				
	A38	2610	0.5295	0.5292	0.5293	0.5291	0.5293	0.5289	0.5290	0.5290	0.5293	0.5294				
	A39	2582	0.5285	0.5283	0.5284	0.5282	0.5285	0.5281	0.5281	0.5283	0.5285	0.5287				
	A40	2626	0.5289	0.5286	0.5286	0.5287	0.5290	0.5284	0.5285	0.5287	0.5288	0.5290				
	A51	2660	0.5272	0.5269	0.5270	0.5269	0.5266	0.5264	0.5266	0.5266	0.5270	0.5272				
	A52	2653	0.5267	0.5264	0.5264	0.5265	0.5263	0.5262	0.5264	0.5264	0.5268	0.5269				
	A53	2645	0.5306	0.5303	0.5304	0.5308	0.5299	0.5298	0.5299	0.5300	0.5303	0.5304				
	A54	2621	0.5280	0.5277	0.5278	0.5279	0.5273	0.5272	0.5274	0.5275	0.5278	0.5280				
	A55	2637	0.5285	0.5282	0.5284	0.5283	0.5278	0.5277	0.5279	0.5279	0.5283	0.5285				
	ave	**2612**														
DATA SET 10: CCT = 3000K, T_J = 129C	A1	2895	0.5232	0.5231	0.5234	0.5233	0.5226	0.5224	0.5226	0.5226	0.5229	0.5231				
	A2	2954	0.5232	0.5230	0.5233	0.5240	0.5230	0.5228	0.5229	0.5229	0.5233	0.5234				
	A3	3004	0.5216	0.5213	0.5215	0.5217	0.5214	0.5212	0.5213	0.5213	0.5216	0.5218				
	A4	2991	0.5205	0.5203	0.5207	0.5205	0.5199	0.5197	0.5198	0.5198	0.5201	0.5203				
	A5	3009	0.5242	0.5240	0.5242	0.5241	0.5238	0.5236	0.5238	0.5238	0.5241	0.5242				
	A6	2963	0.5241	0.5238	0.5240	0.5239	0.5237	0.5236	0.5237	0.5237	0.5240	0.5242				
	A7	2913	0.5214	0.5212	0.5215	0.5219	0.5212	0.5211	0.5212	0.5213	0.5216	0.5218				
	A8	2933	0.5231	0.5229	0.5233	0.5235	0.5228	0.5228	0.5229	0.5229	0.5231	0.5233				
	A9	2984	0.5247	0.5245	0.5247	0.5251	0.5243	0.5242	0.5243	0.5243	0.5246	0.5247				
	A10	3008	0.5235	0.5233	0.5235	0.5238	0.5233	0.5232	0.5233	0.5233	0.5236	0.5238				
	A21	3040	0.5230	0.5227	0.5230	0.5231	0.5223	0.5222	0.5224	0.5224	0.5226	0.5228				
	A22	3029	0.5230	0.5228	0.5230	0.5227	0.5223	0.5222	0.5224	0.5224	0.5226	0.5228				
	A23	3016	0.5232	0.5230	0.5231	0.5232	0.5228	0.5227	0.5229	0.5229	0.5231	0.5233				
	A24	2983	0.5218	0.5215	0.5217	0.5216	0.5211	0.5210	0.5211	0.5212	0.5214	0.5216				
	A25	2974	0.5233	0.5230	0.5233	0.5234	0.5229	0.5228	0.5229	0.5229	0.5231	0.5233				
	A26	3096	0.5222	0.5220	0.5224	0.5227	0.5215	0.5214	0.5215	0.5216	0.5218	0.5220				
	A27	2987	0.5221	0.5218	0.5221	0.5219	0.5216	0.5215	0.5217	0.5217	0.5219	0.5221				
	A28	3042	0.5243	0.5241	0.5243	0.5240	0.5236	0.5234	0.5236	0.5236	0.5238	0.5239				
	A29	3019	0.5226	0.5224	0.5226	0.5224	0.5219	0.5219	0.5220	0.5220	0.5222	0.5224				
	A30	3000	0.5224	0.5220	0.5224	0.5220	0.5219	0.5216	0.5217	0.5217	0.5220	0.5221				
	A41	3086	0.5167	0.5161	0.5162	0.5167	0.5154	0.5153	0.5155	0.5155	0.5160	0.5164				
	A42	3065	0.5189	0.5185	0.5188	0.5181	0.5179	0.5178	0.5180	0.5181	0.5185	0.5189				
	A43	2986	0.5188	0.5183	0.5184	0.5187	0.5182	0.5182	0.5185	0.5185	0.5190	0.5194				
	A44	3058	0.5188	0.5184	0.5187	0.5183	0.5176	0.5175	0.5177	0.5177	0.5181	0.5185				
	A45	3061	0.5207	0.5203	0.5205	0.5194	0.5191	0.5190	0.5193	0.5193	0.5197	0.5201				
	ave	**3004**														
DATA SET 19: CCT = 3500K, T_J = 133C	A1	3397	0.5072	0.5077	0.5078	0.5094	0.5085	0.5097	0.5095	0.5100	0.5100	0.5105				
	A2	3226	0.5105	0.5109	0.5111	0.5115	0.5109	0.5127	0.5126	0.5129	0.5131	0.5135				
	A3	3251	0.5084	0.5089	0.5091	0.5096	0.5088	0.5096	0.5095	0.5099	0.5100	0.5106				
	A4	3440	0.5026	0.5031	0.5032	0.5043	0.5036	0.5042	0.5041	0.5045	0.5046	0.5051				
	A5	3397	0.5081	0.5086	0.5087	0.5094	0.5084	0.5109	0.5106	0.5111	0.5111	0.5115				
	A6	3362	0.5060	0.5065	0.5066	0.5073	0.5069	0.5094	0.5091	0.5095	0.5095	0.5101				
	A7	3240	0.5146	0.5150	0.5150	0.5150	0.5144	0.5175	0.5173	0.5176	0.5176	0.5181				
	A8	3323	0.5136	0.5142	0.5143	0.5143	0.5136	0.5155	0.5152	0.5155	0.5156	0.5161				
	A9	3356	0.5143	0.5147	0.5148	0.5155	0.5149	0.5159	0.5157	0.5161		0.5165				
	A10	3340	0.5031	0.5018	0.5018	0.5016	0.5017	0.5040	0.5036	0.5038	0.5038	0.5044				
	A32	3799	0.5033	0.5038	0.5039	0.5041	0.5038	0.5055	0.5053	0.5054	0.5056	0.5058				
	A36	3772	0.5044	0.5047	0.5048	0.5045	0.5043	0.5048	0.5047	0.5048	0.5049	0.5053				
	A44	3742	0.5068	0.5072	0.5073	0.5075	0.5073	0.5103	0.5097	0.5097	0.5098	0.5097				
	A45	3771	0.5040	0.5046	0.5047	0.5047	0.5043	0.5092	0.5091	0.5090	0.5091	0.5091				
	A46	3765	0.5055	0.5059	0.5061	0.5061	0.5058	0.5095	0.5093	0.5093	0.5094	0.5095				
	A65	3792	0.5060	0.5064	0.5066	0.5070	0.5064	0.5095	0.5096	0.5097	0.5098	0.5102				
	B35	3202	0.5086	0.5089	0.5089	0.5090	0.5089	0.5116	0.5116	0.5117	0.5118	0.5122				
	B71	3448	0.5059	0.5050	0.5051	0.5051	0.5050	0.5085	0.5080	0.5081	0.5082	0.5086				
	B72	3463	0.5016	0.5004	0.5004	0.5002	0.5001	0.5025	0.5024	0.5023	0.5024	0.5028				
	B73	3502	0.5071	0.5062	0.5060	0.5057	0.5057	0.5084	0.5078	0.5079	0.5080	0.5083				
	B74	3475	0.5037	0.5025	0.5023	0.5020	0.5022	0.5048	0.5042	0.5043	0.5042	0.5046				
	B75	3441	0.5097	0.5091	0.5086	0.5087	0.5083	0.5113	0.5112	0.5114	0.5115	0.5119				
	B76	3280	0.5146	0.5135	0.5134	0.5131	0.5131	0.5156	0.5149	0.5150	0.5151	0.5155				
	B77	3500	0.5046	0.5039	0.5034	0.5032	0.5033	0.5053	0.5054	0.5053	0.5054	0.5058				
	B78	3596	0.5026	0.5017	0.5017	0.5014	0.5015	0.5036	0.5030	0.5030	0.5033	0.5036				
	ave	**3475**														

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 1: CCT = 2650K, T_J = 129C	A11	2617	0.0000	0.0011	0.0017	0.0021	0.0024	0.0030	0.0030	0.0029	0.0024	0.0017				
	A12	2627	0.0000	0.0011	0.0016	0.0021	0.0022	0.0028	0.0029	0.0029	0.0022	0.0017				
	A13	2567	0.0000	0.0010	0.0016	0.0022	0.0023	0.0029	0.0030	0.0030	0.0023	0.0014				
	A14	2675	0.0000	0.0010	0.0015	0.0022	0.0025	0.0030	0.0031	0.0031	0.0024	0.0018				
	A15	2604	0.0000	0.0010	0.0015	0.0023	0.0027	0.0031	0.0032	0.0031	0.0024	0.0018				
	A16	2599	0.0000	0.0011	0.0016	0.0021	0.0023	0.0028	0.0030	0.0029	0.0023	0.0018				
	A17	2559	0.0000	0.0010	0.0015	0.0020	0.0023	0.0027	0.0029	0.0028	0.0022	0.0014				
	A18	2628	0.0000	0.0010	0.0016	0.0021	0.0024	0.0028	0.0029	0.0029	0.0023	0.0018				
	A19	2618	0.0000	0.0011	0.0016	0.0021	0.0025	0.0030	0.0029	0.0029	0.0023	0.0016				
	A20	2559	0.0000	0.0010	0.0016	0.0020	0.0025	0.0029	0.0029	0.0028	0.0022	0.0016				
	A31	2610	0.0000	0.0010	0.0016	0.0021	0.0026	0.0029	0.0031	0.0029	0.0023	0.0017				
	A32	2581	0.0000	0.0011	0.0017	0.0022	0.0027	0.0031	0.0031	0.0030	0.0024	0.0018				
	A33	2597	0.0000	0.0010	0.0016	0.0021	0.0025	0.0029	0.0029	0.0028	0.0022	0.0015				
	A34	2580	0.0000	0.0011	0.0016	0.0021	0.0025	0.0030	0.0029	0.0028	0.0023	0.0017				
	A35	2617	0.0000	0.0010	0.0016	0.0021	0.0026	0.0030	0.0030	0.0029	0.0024	0.0018				
	A36	2639	0.0000	0.0011	0.0016	0.0023	0.0027	0.0032	0.0031	0.0030	0.0025	0.0019				
	A37	2581	0.0000	0.0011	0.0016	0.0022	0.0025	0.0030	0.0030	0.0030	0.0024	0.0018				
	A38	2610	0.0000	0.0011	0.0016	0.0023	0.0027	0.0032	0.0031	0.0031	0.0024	0.0014				
	A39	2582	0.0000	0.0011	0.0017	0.0023	0.0026	0.0030	0.0031	0.0029	0.0024	0.0018				
	A40	2626	0.0000	0.0012	0.0017	0.0022	0.0025	0.0029	0.0028	0.0028	0.0022	0.0016				
	A51	2660	0.0000	0.0010	0.0016	0.0022	0.0029	0.0032	0.0032	0.0031	0.0023	0.0011				
	A52	2653	0.0000	0.0010	0.0015	0.0020	0.0027	0.0029	0.0029	0.0028	0.0022	0.0011				
	A53	2645	0.0000	0.0009	0.0014	0.0020	0.0028	0.0031	0.0030	0.0029	0.0022	0.0013				
	A54	2621	0.0000	0.0009	0.0014	0.0020	0.0026	0.0029	0.0028	0.0026	0.0019	0.0008				
	A55	2637	0.0000	0.0010	0.0015	0.0022	0.0029	0.0032	0.0031	0.0030	0.0022	0.0014				
	ave	**2612**	**0.0000**	**0.0011**	**0.0016**	**0.0022**	**0.0026**	**0.0030**	**0.0030**	**0.0029**	**0.0023**	**0.0016**				
DATA SET 10: CCT = 3000K, T_J = 129C	A1	2895	0.0000	0.0008	0.0010	0.0014	0.0020	0.0023	0.0023	0.0022	0.0016	0.0009				
	A2	2954	0.0000	0.0007	0.0010	0.0015	0.0017	0.0020	0.0020	0.0019	0.0013	0.0009				
	A3	3004	0.0000	0.0008	0.0011	0.0014	0.0018	0.0022	0.0022	0.0021	0.0017	0.0012				
	A4	2991	0.0000	0.0006	0.0010	0.0014	0.0022	0.0024	0.0024	0.0023	0.0017	0.0011				
	A5	3009	0.0000	0.0007	0.0010	0.0014	0.0019	0.0022	0.0021	0.0021	0.0016	0.0012				
	A6	2963	0.0000	0.0008	0.0010	0.0014	0.0018	0.0022	0.0020	0.0020	0.0016	0.0012				
	A7	2913	0.0000	0.0007	0.0011	0.0015	0.0019	0.0021	0.0021	0.0020	0.0015	0.0011				
	A8	2933	0.0000	0.0007	0.0011	0.0016	0.0018	0.0020	0.0020	0.0020	0.0015	0.0010				
	A9	2984	0.0000	0.0008	0.0010	0.0015	0.0019	0.0021	0.0020	0.0020	0.0016	0.0011				
	A10	3008	0.0000	0.0008	0.0011	0.0013	0.0018	0.0021	0.0021	0.0020	0.0015	0.0011				
	A21	3040	0.0000	0.0008	0.0010	0.0014	0.0021	0.0023	0.0024	0.0023	0.0018	0.0014				
	A22	3029	0.0000	0.0008	0.0010	0.0015	0.0021	0.0023	0.0024	0.0024	0.0018	0.0014				
	A23	3016	0.0000	0.0008	0.0010	0.0015	0.0021	0.0024	0.0024	0.0023	0.0019	0.0014				
	A24	2983	0.0000	0.0009	0.0009	0.0016	0.0022	0.0024	0.0025	0.0024	0.0018	0.0013				
	A25	2974	0.0000	0.0008	0.0010	0.0014	0.0020	0.0022	0.0022	0.0021	0.0017	0.0013				
	A26	3096	0.0000	0.0007	0.0009	0.0014	0.0019	0.0022	0.0021	0.0021	0.0016	0.0012				
	A27	2987	0.0000	0.0008	0.0009	0.0015	0.0021	0.0023	0.0022	0.0023	0.0018	0.0014				
	A28	3042	0.0000	0.0007	0.0009	0.0014	0.0022	0.0025	0.0024	0.0024	0.0021	0.0016				
	A29	3019	0.0000	0.0008	0.0010	0.0014	0.0021	0.0023	0.0024	0.0024	0.0018	0.0014				
	A30	3000	0.0000	0.0013	0.0016	0.0020	0.0023	0.0025	0.0026	0.0027	0.0021	0.0016				
	A41	3086	0.0000	0.0009	0.0011	0.0016	0.0026	0.0027	0.0025	0.0024	0.0015	0.0004				
	A42	3065	0.0000	0.0008	0.0010	0.0016	0.0021	0.0023	0.0020	0.0019	0.0011	0.0001				
	A43	2986	0.0000	0.0009	0.0012	0.0017	0.0021	0.0022	0.0020	0.0019	0.0011	0.0006				
	A44	3058	0.0000	0.0007	0.0009	0.0015	0.0022	0.0024	0.0023	0.0021	0.0012	0.0003				
	A45	3061	0.0000	0.0008	0.0010	0.0021	0.0026	0.0027	0.0024	0.0024	0.0016	0.0007				
	ave	**3004**	**0.0000**	**0.0008**	**0.0010**	**0.0015**	**0.0021**	**0.0023**	**0.0023**	**0.0022**	**0.0016**	**0.0011**				
DATA SET 19: CCT = 3500K, T_J = 133C	A1	3397	0.0000	0.0007	0.0009	0.0023	0.0021	0.0027	0.0025	0.0030	0.0030	0.0034				
	A2	3226	0.0000	0.0006	0.0009	0.0014	0.0020	0.0024	0.0024	0.0026	0.0028	0.0031				
	A3	3251	0.0000	0.0007	0.0010	0.0017	0.0021	0.0019	0.0020	0.0023	0.0023	0.0027				
	A4	3440	0.0000	0.0007	0.0009	0.0020	0.0020	0.0021	0.0022	0.0025	0.0026	0.0029				
	A5	3397	0.0000	0.0006	0.0009	0.0016	0.0020	0.0028	0.0026	0.0030	0.0031	0.0034				
	A6	3362	0.0000	0.0007	0.0010	0.0017	0.0019	0.0034	0.0031	0.0035	0.0035	0.0041				
	A7	3240	0.0000	0.0008	0.0011	0.0015	0.0023	0.0029	0.0027	0.0030	0.0030	0.0035				
	A8	3323	0.0000	0.0008	0.0011	0.0015	0.0020	0.0021	0.0019	0.0021	0.0022	0.0026				
	A9	3356	0.0000	0.0006	0.0009	0.0015	0.0016	0.0019	0.0019	0.0021		0.0024				
	A10	3340	0.0000	0.0029	0.0033	0.0037	0.0040	0.0025	0.0024	0.0025	0.0025	0.0027				
	A32	3799	0.0000	0.0007	0.0009	0.0014	0.0016	0.0023	0.0022	0.0023	0.0025	0.0026				
	A36	3772	0.0000	0.0007	0.0009	0.0015	0.0017	0.0016	0.0017	0.0017	0.0018	0.0017				
	A44	3742	0.0000	0.0006	0.0007	0.0013	0.0015	0.0035	0.0029	0.0029	0.0030	0.0029				
	A45	3771	0.0000	0.0008	0.0010	0.0015	0.0016	0.0053	0.0052	0.0051	0.0052	0.0052				
	A46	3765	0.0000	0.0006	0.0008	0.0013	0.0014	0.0040	0.0038	0.0038	0.0039	0.0040				
	A65	3792	0.0000	0.0006	0.0009	0.0014	0.0015	0.0035	0.0036	0.0037	0.0038	0.0042				
	B35	3202	0.0000	0.0004	0.0007	0.0014	0.0018	0.0030	0.0030	0.0031	0.0032	0.0036				
	B71	3448	0.0000	0.0026	0.0028	0.0033	0.0035	0.0030	0.0026	0.0027	0.0028	0.0031				
	B72	3463	0.0000	0.0028	0.0031	0.0036	0.0038	0.0024	0.0022	0.0024	0.0024	0.0025				
	B73	3502	0.0000	0.0019	0.0025	0.0031	0.0033	0.0021	0.0019	0.0020	0.0021	0.0022				
	B74	3475	0.0000	0.0026	0.0030	0.0037	0.0036	0.0023	0.0022	0.0023	0.0025	0.0025				
	B75	3441	0.0000	0.0014	0.0022	0.0026	0.0031	0.0020	0.0019	0.0020	0.0021	0.0024				
	B76	3280	0.0000	0.0027	0.0031	0.0038	0.0041	0.0025	0.0024	0.0028	0.0028	0.0028				
	B77	3500	0.0000	0.0015	0.0023	0.0028	0.0029	0.0019	0.0019	0.0019	0.0021	0.0022				
	B78	3596	0.0000	0.0024	0.0027	0.0031	0.0034	0.0023	0.0024	0.0025	0.0026	0.0026				
	ave	**3475**	**0.0000**	**0.0013**	**0.0016**	**0.0022**	**0.0024**	**0.0027**	**0.0026**	**0.0027**	**0.0028**	**0.0030**				

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 1: CCT = 2650K, T_J = 129C	A11	2617	2.999	2.998	3.000	3.013	3.076	3.186	3.198	3.209	3.211	3.214				
	A12	2627	2.941	2.943	2.942	2.945	2.984	3.141	3.160	3.163	3.165	3.174				
	A13	2567	3.013	3.019	3.020	3.027	3.084	3.347	3.358	3.352	3.350	3.334				
	A14	2675	2.952	2.953	2.955	2.961	3.039	3.190	3.214	3.213	3.223	3.216				
	A15	2604	2.927	2.928	2.928	2.934	2.973	3.162	3.172	3.183	3.189	3.191				
	A16	2599	2.972	2.974	2.972	2.978	3.059	3.223	3.227	3.230	3.233	3.236				
	A17	2559	2.999	3.011	3.006	3.022	3.119	3.301	3.310	3.307	3.313	3.313				
	A18	2628	2.969	2.970	2.972	2.977	3.048	3.252	3.262	3.259	3.268	3.271				
	A19	2618	2.947	2.960	2.954	2.965	3.053	3.163	3.168	3.181	3.172	3.185				
	A20	2559	2.998	2.993	3.000	3.013	3.088	3.305	3.309	3.310	3.309	3.308				
	A31	2610	2.957	2.962	2.968	2.973	3.001	3.235	3.254	3.253	3.258	3.261				
	A32	2581	2.996	3.001	3.000	3.013	3.073	3.156	3.171	3.182	3.190	3.190				
	A33	2597	2.934	2.942	2.942	2.946	2.982	3.204	3.217	3.227	3.225	3.222				
	A34	2580	2.967	2.977	2.976	2.996	3.084	3.252	3.262	3.265	3.268	3.265				
	A35	2617	2.988	2.993	2.992	2.996	3.045	3.143	3.157	3.153	3.155	3.168				
	A36	2639	2.973	2.977	2.973	2.986	3.046	3.270	3.278	3.270	3.283	3.282				
	A37	2581	2.960	2.964	2.961	2.970	3.039	3.208	3.220	3.230	3.222	3.235				
	A38	2610	2.996	3.000	2.998	3.016	3.096	3.323	3.326	3.313	3.300	3.307				
	A39	2582	2.943	2.935	2.944	2.949	3.001	3.156	3.166	3.164	3.170	3.177				
	A40	2626	2.982	2.981	2.990	2.998	3.068	3.165	3.181	3.181	3.185	3.197				
	A51	2660	2.956	2.968	2.967	2.993	3.178	3.217	3.239	3.238	3.235	3.235				
	A52	2653	3.014	3.019	3.020	3.067	3.297	3.348	3.372	3.371	3.369	3.355				
	A53	2645	2.986	2.999	3.001	3.093	3.214	3.254	3.271	3.262	3.260	3.255				
	A54	2621	2.931	2.943	2.943	3.011	3.139	3.182	3.202	3.202	3.206	3.207				
	A55	2637	3.067	3.069	3.078	3.139	3.159	3.192	3.208	3.205	3.203	3.197				
	ave	**2612**	**2.975**													
DATA SET 10: CCT = 3000K, T_J = 129C	A1	2895	2.947	2.949	2.955	3.006	3.235	3.269	3.300	3.295	3.297	3.288				
	A2	2954	2.957	2.964	2.960	3.118	3.208	3.229	3.240	3.234	3.237	3.234				
	A3	3004	2.977	2.989	2.994	3.072	3.248	3.291	3.306	3.285	3.277	3.255				
	A4	2991	3.038	3.047	3.046	3.107	3.372	3.409	3.429	3.417	3.411	3.397				
	A5	3009	2.981	2.983	2.990	3.046	3.216	3.254	3.276	3.271	3.271	3.263				
	A6	2963	2.955	2.955	2.964	3.002	3.191	3.226	3.238	3.247	3.250	3.247				
	A7	2913	2.945	2.948	2.951	3.104	3.205	3.223	3.246	3.237	3.237	3.235				
	A8	2933	2.978	2.985	2.996	3.185	3.227	3.253	3.266	3.258	3.259	3.259				
	A9	2984	3.008	3.003	3.010	3.095	3.254	3.277	3.288	3.288	3.283	3.274				
	A10	3008	2.974	2.976	2.978	3.028	3.250	3.287	3.318	3.308	3.311	3.307				
	A21	3040	2.980	2.982	2.989	3.031	3.234	3.275	3.302	3.301	3.300	3.298				
	A22	3029	2.998	3.002	3.003	3.065	3.188	3.211	3.224	3.215	3.214	3.216				
	A23	3016	3.023	3.037	3.041	3.111	3.358	3.404	3.438	3.418	3.411	3.390				
	A24	2983	2.970	2.972	2.976	3.059	3.182	3.208	3.218	3.210	3.206	3.203				
	A25	2974	2.995	2.998	3.000	3.078	3.347	3.392	3.416	3.411	3.407	3.405				
	A26	3096	2.969	2.971	2.976	3.152	3.201	3.220	3.236	3.225	3.231	3.230				
	A27	2987	2.987	2.981	2.996	3.072	3.249	3.266	3.280	3.272	3.260	3.252				
	A28	3042	3.025	3.033	3.034	3.096	3.344	3.379	3.397	3.380	3.376	3.362				
	A29	3019	3.024	3.026	3.039	3.085	3.330	3.364	3.370	3.355	3.345	3.340				
	A30	3000	3.135	3.132	3.107	3.152	3.171	3.193	3.209	3.205	3.201	3.183				
	A41	3086	2.993	2.994	2.999	3.185	3.380	3.441	3.478	3.477	3.478	3.457				
	A42	3065	3.152	3.124	3.114	3.130	3.135	3.136	3.158	3.157	3.158	3.158				
	A43	2986	3.028	3.025	3.024	3.111	3.145	3.170	3.188	3.188	3.185	3.182				
	A44	3058	2.939	2.940	2.944	3.047	3.196	3.233	3.261	3.253	3.250	3.243				
	A45	3061	3.111	3.093	3.082	3.098	3.108	3.118	3.118	3.120	3.117	3.117				
	ave	**3004**	**3.004**													
DATA SET 19: CCT = 3500K, T_J = 133C	A1	3397	2.965	2.952	2.930	3.025	3.142	3.140	3.157	3.156	3.160	3.165				
	A2	3226	2.924	2.902	2.896	2.913	3.039	3.047	3.068	3.066	3.070	3.074				
	A3	3251	2.936	2.910	2.906	2.981	3.065	3.067	3.084	3.073	3.085	3.087				
	A4	3440	2.967	2.951	2.929	3.024	3.142	3.140	3.157	3.157	3.164	3.165				
	A5	3397	2.962	2.945	2.925	2.988	3.134	3.135	3.152	3.146	3.146	3.150				
	A6	3362	2.927	2.904	2.899	2.923	3.070	3.071	3.075	3.086	3.090	3.092				
	A7	3240	2.958	2.942	2.935	2.994	3.097	3.092	3.105	3.097	3.100	3.115				
	A8	3323	2.985	2.974	2.971	3.134	3.149	3.151	3.160	3.158	3.163	3.164				
	A9	3356	2.916	2.898	2.892	2.942	3.085	3.087	3.095	3.096		3.109				
	A10	3340	3.178	3.201	3.153	3.130	3.125	3.137	3.157	3.159	3.174	3.172				
	A32	3799	3.607	3.599	3.615	3.538	3.619	3.596	3.616	3.604	3.619	3.619				
	A36	3772	3.747	3.682	3.669	3.572	3.583	3.584	3.592	3.583	3.605	3.594				
	A44	3742	3.618	3.599	3.606	3.590	3.631	3.614	3.634	3.625	3.635	3.633				
	A45	3771	3.692	3.654	3.648	3.661	3.684	3.670	3.680	3.674	3.688	3.680				
	A46	3765	3.650	3.638	3.608	3.681	3.669	3.659	3.674	3.640	3.655	3.643				
	A65	3792	3.563	3.540	3.568	3.642	3.697	3.680	3.710	3.685	3.702	3.689				
	B35	3202	3.644	3.437	3.345	3.378	3.393	3.349	3.346	3.330	3.330	3.315				
	B71	3448	3.188	3.210	3.156	3.130	3.129	3.135	3.157	3.164	3.176	3.184				
	B72	3463	3.172	3.195	3.148	3.122	3.123	3.135	3.155	3.150	3.164	3.176				
	B73	3502	3.145	3.168	3.136	3.123	3.122	3.125	3.142	3.145	3.152	3.164				
	B74	3475	3.156	3.177	3.138	3.118	3.116	3.119	3.133	3.141	3.155	3.159				
	B75	3441	3.170	3.188	3.159	3.151	3.156	3.156	3.179	3.187	3.202	3.209				
	B76	3280	3.272	3.286	3.218	3.173	3.152	3.121	3.129	3.124	3.134	3.138				
	B77	3500	3.136	3.157	3.133	3.119	3.122	3.130	3.142	3.154	3.164	3.163				
	B78	3596	3.223	3.248	3.189	3.156	3.154	3.168	3.192	3.203	3.211	3.217				
	ave	**3475**	**3.228**													

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

Lumen Data

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	Lumen Maintenance % at 6khours
DATA SET 25: CCT = 4000K, T_J = 133C	A11	3988	71.542	72.942	73.938	74.577	74.007	71.321	71.014	71.577	70.757	72.762					**101.7**
	A12	3889	72.149	73.319	74.540	75.873	74.533	76.210	75.808	76.368	76.010	76.816					**106.5**
	A14	3884	71.605	73.368	74.362	75.062	74.688	68.921	68.933	69.677	69.292	69.394					**96.9**
	A15	3851	71.774	73.255	73.794	73.325	75.679	72.798	72.753	73.068	72.729	72.418					**100.9**
	A16	4002	70.103	71.664	72.730	73.050	72.916	68.029	67.301	67.856	67.648	67.467					**96.2**
	A17	3904	69.839	71.641	72.883	73.712	73.867	68.618	68.747	69.344	69.029	69.058					**98.9**
	A18	3931	73.067	74.093	75.185	76.310	76.083	72.409	72.286	72.751	72.257	72.291					**98.9**
	A19	3850	72.515	73.797	74.803	75.189	74.544	74.882	74.209	74.765	74.482	74.426					**102.6**
	A20	3893	72.948	74.196	75.132	75.797	75.291	75.779	75.210	75.870	75.327	75.132					**103.0**
	A21	3951	69.856	71.353	72.258	73.096	73.330	71.391	70.630	70.777	70.153	69.991					**100.2**
	A22	3986	70.647	72.445	73.312	75.046	75.499	75.702	77.237	76.671	75.591	77.000					**109.0**
	A25	3967	70.899	72.339	73.311	74.972	74.665	69.573	69.555	69.971	69.013	68.244					**96.3**
	A26	3944	71.823	73.276	74.207	75.864	76.222	71.520	70.686	71.006	70.037	69.364					**96.6**
	A33	3916	71.080	72.446	74.342	74.859	74.093	70.356	70.168	70.903	70.716	70.494					**99.2**
	A34	3916	71.813	73.374	74.357	74.699	74.443	72.927	72.652	73.371	72.809	72.747					**101.3**
	A35	3851	72.834	74.548	75.574	77.592	76.894	81.776	81.946	82.305	81.914	81.695					**112.2**
	A41	3941	73.497	74.944	76.010	77.839	76.580	77.334	75.835	76.050	75.752	75.414					**102.6**
	A42	3877	73.557	75.134	76.302	78.191	77.112	77.755	77.148	77.261	76.892	76.640					**104.2**
	A43	3885	70.457	72.537	73.536	75.763	73.410	68.447	68.795	69.197	68.949	68.946					**97.9**
	A48	3877	73.975	75.613	76.787	78.559	77.309	72.337	71.855	72.430	72.247	72.787					**98.4**
	A49	3884	73.094	75.078	76.244	77.774	76.292	73.584	73.747	74.504	74.168	73.945					**101.2**
	A50	3901	73.397	75.317	76.357	78.143	76.714	75.600	75.767	76.662	76.500	76.234					**103.9**
	A51	3921	68.187	69.537	71.070	71.922	71.645	66.284	65.614	66.262	66.172	65.805					**96.5**
	A52	3996	71.637	73.148	74.081	74.995	74.737	69.644	69.706	70.378	69.961	70.238					**98.0**
	A53	3892	73.016	74.342	75.962	76.991	76.142	70.771	70.159	71.115	70.792	71.394					**97.8**
	ave	**3916**															**100.8**
DATA SET 31: CCT > 5000K, T_J = 123C	1	6742	55.220	53.829	54.880	54.612	54.751	54.754	54.532	54.345	54.937	54.642	53.647	54.165	52.592		**99.0**
	2	6638	54.872	53.931	54.475	54.212	54.345	54.286	55.130	53.949	55.006	54.231	53.763	53.446	52.505		**98.8**
	3	6769	53.362	52.404	52.955	52.723	52.862	52.746	53.224	53.387	53.584	52.433	52.203	52.120	51.264		**98.3**
	18	6437	53.916	53.154	53.604	53.470	53.671	53.726	54.045	54.015	54.369	53.590	53.284	53.175	52.386		**99.4**
	19	6415	52.110	51.341	51.789	51.647	51.833	51.977	52.112	52.240	52.697	51.997	51.793	51.742	50.772		**99.8**
	20	6207	53.536	52.685	53.228	53.122	53.297	53.522	53.617	53.666	54.187	53.438	53.122	53.092	52.086		**99.8**
	23	6626	60.433	60.185	60.644	60.520	60.588	60.996	61.485	61.964	62.496	61.714	61.213	60.899	60.167		**102.1**
	24	6375	60.940	60.674	61.116	.0+G441(	61.113	61.476	62.242	60.667	61.921	61.074	60.661	61.361	60.969		**100.2**
	25	6324	61.012	60.719	61.147	60.977	61.053	61.445	62.083	62.261	61.923	61.986	61.502	61.284	60.802		**101.6**
	33	6687	59.201	58.349	58.837	58.716	58.838	59.019	59.714	59.963	59.699	59.619	58.392	58.889	57.630		**100.7**
	34	6633	58.805	57.924	58.407	58.300	58.415	58.586	58.710	58.704	59.092	58.442	57.525	57.973	57.283		**99.4**
	35	6619	57.969	57.123	57.567	57.436	57.423	57.568	58.333	58.255	58.114	58.086	57.493	57.457	56.577		**100.2**
	39	5284	71.623	70.647	70.868	70.473	70.361	70.433	71.307	70.287	69.876	69.777	68.342	69.263	68.648		**97.4**
	40	5283	71.428	70.590	70.761	70.297	70.149	70.205	71.086	70.596	71.006	70.143	69.548	69.395	66.852		**98.2**
	41	6330	60.550	59.999	60.312	60.131	60.171	60.376	60.432	60.287	60.958	60.341	59.235	59.685	58.521		**99.7**
	42	6172	58.763	58.136	58.469	58.293	58.336	58.452	58.850	58.859	59.156	58.493	58.046	57.898	57.185		**99.5**
	43	6376	57.596	56.762	57.190	56.924	57.116	57.185	57.822	57.886	58.302	57.364	56.792	56.736	56.148		**99.6**
	44	6562	56.094	55.365	55.710	55.505	55.651	55.682	56.786	56.395	56.798	55.995	55.374	55.175	54.549		**99.8**
	45	6518	56.563	55.808	56.166	55.884	55.928	55.976	56.510	56.473	55.752	56.072	55.593	55.453	54.697		**99.1**
	52	6772	61.834	61.075	61.515	61.350	61.302	61.606	62.329	62.543	63.051	62.263	61.703	61.523	61.064		**100.7**
	61	6611	59.717	59.485	59.801	59.650	59.601	59.920	59.960	60.498	60.743	59.910	59.378	59.107	58.219		**100.3**
	62	6687	59.446	59.159	59.492	58.823	58.881	59.616	60.573	57.732	60.607	59.637	58.789	58.821	58.499		**100.3**
	63	6640	59.836	59.543	59.900	59.742	59.723	59.964	60.392	60.410	59.906	59.411	58.839	58.942	58.671		**99.3**
	64	6724	60.254	59.951	60.268	60.104	60.087	60.355	61.185	61.076	61.519	59.383	59.542	59.507	59.129		**98.6**
	65	6756	60.298	60.102	60.335	60.124	60.069	60.344	61.312	60.769	61.274	60.559	60.083	59.885	59.560		**100.4**
	ave	**6447**															**99.7**

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

Normalized flux

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 25: CCT = 4000K, T_J = 133C	A11	3988	1.0000	1.0196	1.0335	1.0424	1.0345	0.9969	0.9926	1.0005	0.9890	1.0171				
	A12	3889	1.0000	1.0162	1.0331	1.0516	1.0330	1.0563	1.0507	1.0585	1.0535	1.0647				
	A14	3884	1.0000	1.0246	1.0385	1.0483	1.0430	0.9625	0.9627	0.9731	0.9677	0.9691				
	A15	3851	1.0000	1.0206	1.0282	1.0216	1.0544	1.0143	1.0136	1.0180	1.0133	1.0090				
	A16	4002	1.0000	1.0223	1.0375	1.0420	1.0401	0.9704	0.9600	0.9679	0.9650	0.9624				
	A17	3904	1.0000	1.0258	1.0436	1.0555	1.0577	0.9825	0.9844	0.9929	0.9884	0.9888				
	A18	3931	1.0000	1.0140	1.0290	1.0444	1.0413	0.9910	0.9893	0.9957	0.9889	0.9894				
	A19	3850	1.0000	1.0177	1.0315	1.0369	1.0280	1.0326	1.0234	1.0310	1.0271	1.0263				
	A20	3893	1.0000	1.0171	1.0299	1.0390	1.0321	1.0388	1.0310	1.0401	1.0326	1.0299				
	A21	3951	1.0000	1.0214	1.0344	1.0464	1.0497	1.0220	1.0111	1.0132	1.0042	1.0019				
	A22	3986	1.0000	1.0254	1.0377	1.0623	1.0687	1.0716	1.0933	1.0853	1.0700	1.0899				
	A25	3967	1.0000	1.0203	1.0340	1.0575	1.0531	0.9813	0.9810	0.9869	0.9734	0.9626				
	A26	3944	1.0000	1.0202	1.0332	1.0563	1.0613	0.9958	0.9842	0.9886	0.9751	0.9658				
	A33	3916	1.0000	1.0192	1.0459	1.0532	1.0424	0.9898	0.9872	0.9975	0.9949	0.9918				
	A34	3916	1.0000	1.0217	1.0354	1.0402	1.0366	1.0155	1.0117	1.0217	1.0139	1.0130				
	A35	3851	1.0000	1.0235	1.0376	1.0653	1.0557	1.1228	1.1251	1.1300	1.1247	1.1217				
	A41	3941	1.0000	1.0197	1.0342	1.0591	1.0420	1.0522	1.0318	1.0347	1.0307	1.0261				
	A42	3877	1.0000	1.0214	1.0373	1.0630	1.0483	1.0571	1.0488	1.0503	1.0453	1.0419				
	A43	3885	1.0000	1.0295	1.0437	1.0753	1.0419	0.9715	0.9764	0.9821	0.9786	0.9786				
	A48	3877	1.0000	1.0221	1.0380	1.0620	1.0451	0.9779	0.9713	0.9791	0.9766	0.9839				
	A49	3884	1.0000	1.0271	1.0431	1.0640	1.0438	1.0067	1.0089	1.0193	1.0147	1.0117				
	A50	3901	1.0000	1.0262	1.0403	1.0647	1.0452	1.0300	1.0323	1.0445	1.0423	1.0386				
	A51	3921	1.0000	1.0198	1.0423	1.0548	1.0507	0.9721	0.9623	0.9718	0.9705	0.9651				
	A52	3996	1.0000	1.0211	1.0341	1.0469	1.0433	0.9722	0.9730	0.9824	0.9766	0.9805				
	A53	3892	1.0000	1.0182	1.0403	1.0544	1.0428	0.9692	0.9609	0.9740	0.9695	0.9778				
	ave	**3916**	**1.0000**	**1.0214**	**1.0367**	**1.0523**	**1.0454**	**1.0101**	**1.0067**	**1.0136**	**1.0075**	**1.0083**				
DATA SET 31: CCT > 5000K, T_J = 123C	1	6742	1.0000	0.9748	0.9938	0.9890	0.9915	0.9915	0.9875	0.9841	0.9949	0.9895	0.9715	0.9809	0.9524	
	2	6638	1.0000	0.9829	0.9928	0.9880	0.9904	0.9893	1.0047	0.9832	1.0024	0.9883	0.9798	0.9740	0.9569	
	3	6769	1.0000	0.9821	0.9924	0.9880	0.9906	0.9885	0.9974	1.0005	1.0042	0.9826	0.9783	0.9767	0.9607	
	18	6437	1.0000	0.9859	0.9942	0.9917	0.9955	0.9965	1.0024	1.0018	1.0084	0.9940	0.9883	0.9863	0.9716	
	19	6415	1.0000	0.9852	0.9938	0.9911	0.9947	0.9975	1.0000	1.0025	1.0113	0.9978	0.9939	0.9929	0.9743	
	20	6207	1.0000	0.9841	0.9942	0.9923	0.9955	0.9997	1.0015	1.0024	1.0122	0.9982	0.9923	0.9917	0.9729	
	23	6626	1.0000	0.9959	1.0035	1.0014	1.0026	1.0093	1.0174	1.0253	1.0341	1.0212	1.0129	1.0077	0.9956	
	24	6375	1.0000	0.9956	1.0029		1.0028	1.0088	1.0214	0.9955	1.0161	1.0022	0.9954	1.0069	1.0005	
	25	6324	1.0000	0.9952	1.0022	0.9994	1.0007	1.0071	1.0176	1.0205	1.0149	1.0160	1.0080	1.0044	0.9966	
	33	6687	1.0000	0.9856	0.9939	0.9918	0.9939	0.9969	1.0087	1.0129	1.0084	1.0071	0.9863	0.9947	0.9735	
	34	6633	1.0000	0.9850	0.9932	0.9914	0.9934	0.9963	0.9984	0.9983	1.0049	0.9938	0.9782	0.9858	0.9741	
	35	6619	1.0000	0.9854	0.9931	0.9908	0.9906	0.9931	1.0063	1.0049	1.0025	1.0020	0.9918	0.9912	0.9760	
	39	5284	1.0000	0.9864	0.9895	0.9839	0.9824	0.9834	0.9956	0.9813	0.9756	0.9742	0.9542	0.9671	0.9585	
	40	5283	1.0000	0.9883	0.9907	0.9842	0.9821	0.9829	0.9952	0.9884	0.9941	0.9820	0.9737	0.9715	0.9359	
	41	6330	1.0000	0.9909	0.9961	0.9931	0.9937	0.9971	0.9980	0.9957	1.0067	0.9965	0.9783	0.9857	0.9665	
	42	6172	1.0000	0.9893	0.9950	0.9920	0.9927	0.9947	1.0015	1.0016	1.0067	0.9954	0.9878	0.9853	0.9731	
	43	6376	1.0000	0.9855	0.9929	0.9883	0.9917	0.9929	1.0039	1.0050	1.0123	0.9960	0.9860	0.9851	0.9748	
	44	6562	1.0000	0.9870	0.9932	0.9895	0.9921	0.9927	1.0123	1.0054	1.0125	0.9982	0.9872	0.9836	0.9725	
	45	6518	1.0000	0.9866	0.9930	0.9880	0.9888	0.9896	0.9991	0.9984	0.9857	0.9913	0.9828	0.9804	0.9670	
	52	6772	1.0000	0.9877	0.9948	0.9922	0.9914	0.9963	1.0080	1.0115	1.0197	1.0069	0.9979	0.9950	0.9875	
	61	6611	1.0000	0.9961	1.0014	0.9989	0.9981	1.0034	1.0041	1.0131	1.0172	1.0032	0.9943	0.9898	0.9749	
	62	6687	1.0000	0.9952	1.0008	0.9895	0.9905	1.0029	1.0190	0.9712	1.0195	1.0032	0.9890	0.9895	0.9841	
	63	6640	1.0000	0.9951	1.0011	0.9984	0.9981	1.0021	1.0093	1.0096	1.0012	0.9929	0.9833	0.9851	0.9805	
	64	6724	1.0000	0.9950	1.0002	0.9975	0.9972	1.0017	1.0155	1.0136	1.0210	0.9855	0.9882	0.9876	0.9813	
	65	6756	1.0000	0.9968	1.0006	0.9971	0.9962	1.0008	1.0168	1.0078	1.0162	1.0043	0.9964	0.9932	0.9878	
	ave	**6447**	**1.0000**	**0.9887**	**0.9960**	**0.9920**	**0.9935**	**0.9966**	**1.0057**	**1.0014**	**1.0081**	**0.9969**	**0.9870**	**0.9877**	**0.9740**	

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 25: CCT = 4000K, T_J = 133C	A11	3988	2.8789E-06	1.0151	0.098	129,115
	A12	3889	-4.2966E-06	1.0370	0.610	-91,476
	A14	3884	9.7354E-06	1.0132	0.341	37,986
	A15	3851	6.2511E-06	1.0429	0.512	63,777
	A16	4002	1.1341E-05	1.0168	0.475	32,921
	A17	3904	8.8587E-06	1.0302	0.343	43,624
	A18	3931	7.3006E-06	1.0249	0.447	52,230
	A19	3850	4.7138E-07	1.0298	0.074	818,895
	A20	3893	5.6490E-07	1.0361	0.066	694,213
	A21	3951	8.0974E-06	1.0461	0.787	49,618
	A22	3986	-2.4773E-06	1.0704	0.208	-171,443
	A25	3967	1.3368E-05	1.0367	0.618	29,376
	A26	3944	1.5136E-05	1.0488	0.714	26,710
	A33	3916	6.3787E-06	1.0230	0.340	59,481
	A34	3916	3.1497E-06	1.0300	0.409	122,622
	A35	3851	-8.9223E-06	1.0788	0.412	-48,477
	A41	3941	3.8832E-06	1.0504	0.643	104,512
	A42	3877	1.7915E-06	1.0552	0.475	229,096
	A43	3885	8.1690E-06	1.0165	0.337	45,670
	A48	3877	8.4885E-06	1.0185	0.334	44,177
	A49	3884	3.4947E-06	1.0300	0.243	110,508
	A50	3901	-4.5323E-07	1.0372	0.019	-867,447
	A51	3921	1.2010E-05	1.0237	0.448	31,651
	A52	3996	8.2057E-06	1.0165	0.320	45,457
	A53	3892	8.7862E-06	1.0127	0.300	42,027
	ave	**3916**	**5.1911E-06**	**1.0338**	**0.444**	**75,108**
DATA SET 31: CCT > 5000K, T_J = 123C	1	6742	6.4215E-06	1.0205	0.591	58,706
	2	6638	6.5909E-06	1.0236	0.633	57,656
	3	6769	8.2976E-06	1.0382	0.891	47,506
	18	6437	6.4415E-06	1.0341	0.856	60,572
	19	6415	5.7519E-06	1.0333	0.749	67,709
	20	6207	6.1866E-06	1.0357	0.761	63,321
	23	6626	6.6549E-06	1.0610	0.851	62,492
	24	6375	2.6370E-07	1.0045	0.004	1,369,460
	25	6324	4.5019E-06	1.0400	0.937	87,943
	33	6687	7.4320E-06	1.0464	0.826	54,095
	34	6633	5.5913E-06	1.0258	0.755	68,338
	35	6619	5.4413E-06	1.0305	0.862	71,070
	39	5284	4.7201E-06	0.9986	0.656	75,270
	40	5283	9.9952E-06	1.0395	0.762	39,557
	41	6330	6.5835E-06	1.0314	0.706	58,867
	42	6172	6.1820E-06	1.0323	0.889	62,830
	43	6376	6.9748E-06	1.0392	0.872	56,648
	44	6562	7.5592E-06	1.0432	0.891	52,775
	45	6518	5.2696E-06	1.0185	0.828	71,167
	52	6772	5.7813E-06	1.0414	0.847	68,716
	61	6611	8.0824E-06	1.0525	0.920	50,463
	62	6687	1.0875E-06	0.9997	0.015	327,675
	63	6640	5.8403E-06	1.0304	0.910	66,203
	64	6724	7.3999E-06	1.0452	0.691	54,172
	65	6756	5.0639E-06	1.0344	0.824	77,114
	ave	**6447**	**6.0016E-06**	**1.0319**	**0.839**	**64,667**

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

			u'													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 25: CCT = 4000K, T_J = 133C	A11	3988	0.2265	0.2260	0.2258	0.2253	0.2251	0.2257	0.2256	0.2256	0.2256	0.2252				
	A12	3889	0.2273	0.2267	0.2264	0.2259	0.2257	0.2268	0.2265	0.2264	0.2264	0.2263				
	A14	3884	0.2267	0.2262	0.2259	0.2254	0.2252	0.2265	0.2263	0.2263	0.2262	0.2262				
	A15	3851	0.2273	0.2268	0.2267	0.2258	0.2256	0.2275	0.2274	0.2274	0.2273	0.2275				
	A16	4002	0.2260	0.2255	0.2253	0.2248	0.2246	0.2261	0.2259	0.2259	0.2258	0.2259				
	A17	3904	0.2272	0.2267	0.2264	0.2258	0.2255	0.2266	0.2266	0.2265	0.2264	0.2265				
	A18	3931	0.2274	0.2268	0.2266	0.2261	0.2258	0.2267	0.2265	0.2265	0.2264	0.2265				
	A19	3850	0.2278	0.2272	0.2270	0.2265	0.2264	0.2274	0.2271	0.2272	0.2270	0.2272				
	A20	3893	0.2269	0.2264	0.2261	0.2257	0.2254	0.2266	0.2264	0.2265	0.2264	0.2265				
	A21	3951	0.2268	0.2263	0.2261	0.2257	0.2255	0.2263	0.2259	0.2259	0.2259	0.2259				
	A22	3986	0.2242	0.2238	0.2236	0.2231	0.2228	0.2242	0.2237	0.2237	0.2237	0.2234				
	A25	3967	0.2267	0.2263	0.2261	0.2255	0.2254	0.2275	0.2274	0.2274	0.2273	0.2275				
	A26	3944	0.2259	0.2254	0.2253	0.2248	0.2246	0.2263	0.2260	0.2260	0.2259	0.2261				
	A33	3916	0.2279	0.2274	0.2269	0.2265	0.2263	0.2270	0.2270	0.2269	0.2268	0.2269				
	A34	3916	0.2279	0.2274	0.2272	0.2267	0.2264	0.2269	0.2269	0.2270	0.2268	0.2270				
	A35	3851	0.2275	0.2270	0.2268	0.2263	0.2259	0.2268	0.2267	0.2267	0.2268	0.2269				
	A41	3941	0.2274	0.2269	0.2267	0.2264	0.2260	0.2265	0.2262	0.2261	0.2261	0.2263				
	A42	3877	0.2284	0.2280	0.2277	0.2274	0.2270	0.2284	0.2281	0.2281	0.2282	0.2282				
	A43	3885	0.2283	0.2279	0.2277	0.2272	0.2269	0.2278	0.2275	0.2275	0.2275	0.2275				
	A48	3877	0.2282	0.2276	0.2274	0.2269	0.2266	0.2278	0.2275	0.2274	0.2273	0.2273				
	A49	3884	0.2282	0.2276	0.2274	0.2269	0.2267	0.2280	0.2278	0.2278	0.2277	0.2279				
	A50	3901	0.2279	0.2273	0.2271	0.2266	0.2264	0.2280	0.2279	0.2277	0.2276	0.2278				
	A51	3921	0.2296	0.2291	0.2286	0.2281	0.2278	0.2296	0.2293	0.2291	0.2290	0.2291				
	A52	3996	0.2267	0.2262	0.2260	0.2254	0.2252	0.2267	0.2266	0.2265	0.2264	0.2263				
	A53	3892	0.2290	0.2285	0.2280	0.2277	0.2275	0.2288	0.2285	0.2284	0.2283	0.2282				
	ave	**3916**														
DATA SET 31: CCT > 5000K, T_J = 123C	1	6742	0.2082	0.2081	0.2083	0.2083	0.2083	0.2083	0.2082	0.2082	0.2082	0.2082	0.2082	0.2083	0.2081	
	2	6638	0.2083	0.2083	0.2084	0.2085	0.2085	0.2085	0.2084	0.2084	0.2084	0.2084	0.2085	0.2084	0.2083	
	3	6769	0.2085	0.2085	0.2086	0.2087	0.2087	0.2087	0.2086	0.2086	0.2086	0.2086	0.2086	0.2086	0.2085	
	18	6437	0.2087	0.2087	0.2089	0.2089	0.2089	0.2089	0.2089	0.2089	0.2089	0.2089	0.2089	0.2089	0.2089	
	19	6415	0.2089	0.2089	0.2090	0.2090	0.2091	0.2091	0.2090	0.2090	0.2090	0.2090	0.2090	0.2090	0.2090	
	20	6207	0.2089	0.2088	0.2090	0.2090	0.2090	0.2090	0.2090	0.2090	0.2091	0.2090	0.2090	0.2091	0.2090	
	23	6626	0.2025	0.2024	0.2025	0.2025	0.2026	0.2026	0.2026	0.2025	0.2025	0.2025	0.2025	0.2025	0.2024	
	24	6375	0.2024	0.2023	0.2024	0.2024	0.2025	0.2025	0.2025	0.2024	0.2025	0.2025	0.2025	0.2025	0.2024	
	25	6324	0.2022	0.2021	0.2022	0.2022	0.2023	0.2023	0.2023	0.2022	0.2023	0.2023	0.2023	0.2023	0.2021	
	33	6687	0.2068	0.2068	0.2070	0.2069	0.2069	0.2070	0.2068	0.2068	0.2068	0.2068	0.2068	0.2069	0.2067	
	34	6633	0.2066	0.2066	0.2067	0.2067	0.2067	0.2067	0.2066	0.2066	0.2067	0.2066	0.2066	0.2067	0.2066	
	35	6619	0.2064	0.2064	0.2065	0.2065	0.2066	0.2065	0.2064	0.2065	0.2064	0.2064	0.2064	0.2064	0.2064	
	39	5284	0.2074	0.2074	0.2074	0.2075	0.2074	0.2074	0.2074	0.2073	0.2073	0.2072	0.2072	0.2072	0.2072	
	40	5283	0.2072	0.2071	0.2072	0.2072	0.2072	0.2072	0.2071	0.2070	0.2070	0.2070	0.2070	0.2070	0.2069	
	41	6330	0.2102	0.2102	0.2103	0.2103	0.2104	0.2104	0.2103	0.2102	0.2103	0.2103	0.2103	0.2103	0.2102	
	42	6172	0.2088	0.2088	0.2089	0.2089	0.2090	0.2089	0.2089	0.2089	0.2088	0.2089	0.2088	0.2089	0.2088	
	43	6376	0.2084	0.2083	0.2085	0.2086	0.2085	0.2086	0.2085	0.2084	0.2084	0.2084	0.2084	0.2085	0.2084	
	44	6562	0.2082	0.2083	0.2084	0.2085	0.2085	0.2084	0.2083	0.2083	0.2083	0.2083	0.2083	0.2084	0.2083	
	45	6518	0.2082	0.2082	0.2084	0.2084	0.2085	0.2084	0.2084	0.2083	0.2083	0.2083	0.2083	0.2083	0.2083	
	52	6772	0.2094	0.2094	0.2095	0.2095	0.2096	0.2096	0.2095	0.2095	0.2095	0.2095	0.2095	0.2095	0.2095	
	61	6611	0.2054	0.2054	0.2055	0.2055	0.2056	0.2056	0.2055	0.2055	0.2055	0.2055	0.2055	0.2055	0.2054	
	62	6687	0.2059	0.2059	0.2060	0.2061	0.2060	0.2060	0.2059	0.2060	0.2060	0.2059	0.2060	0.2060	0.2059	
	63	6640	0.2055	0.2054	0.2056	0.2056	0.2056	0.2056	0.2056	0.2055	0.2055	0.2055	0.2055	0.2055	0.2055	
	64	6724	0.2050	0.2050	0.2051	0.2051	0.2051	0.2051	0.2051	0.2050	0.2051	0.2050	0.2051	0.2051	0.2050	
	65	6756	0.2047	0.2046	0.2047	0.2047	0.2047	0.2047	0.2046	0.2046	0.2046	0.2046	0.2046	0.2046	0.2045	
	ave	**6447**														

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 25: CCT = 4000K, T_J = 133C	A11	3988	0.4992	0.4997	0.4998	0.4997	0.4993	0.5012	0.5011	0.5010	0.5013	0.5006				
	A12	3889	0.5035	0.5039	0.5039	0.5038	0.5037	0.5059	0.5057	0.5057	0.5058	0.5057				
	A14	3884	0.5051	0.5056	0.5056	0.5055	0.5052	0.5079	0.5077	0.5076	0.5077	0.5078				
	A15	3851	0.5057	0.5061	0.5063	0.5055	0.5055	0.5093	0.5090	0.5090	0.5092	0.5094				
	A16	4002	0.4995	0.5000	0.5001	0.5001	0.4998	0.5030	0.5025	0.5026	0.5026	0.5028				
	A17	3904	0.5027	0.5031	0.5032	0.5029	0.5024	0.5050	0.5049	0.5047	0.5049	0.5049				
	A18	3931	0.5005	0.5008	0.5010	0.5008	0.5005	0.5028	0.5025	0.5025	0.5024	0.5025				
	A19	3850	0.5048	0.5052	0.5053	0.5053	0.5050	0.5075	0.5071	0.5071	0.5071	0.5073				
	A20	3893	0.5041	0.5045	0.5046	0.5045	0.5043	0.5068	0.5065	0.5066	0.5067	0.5068				
	A21	3951	0.5007	0.5012	0.5012	0.5010	0.5008	0.5032	0.5027	0.5027	0.5029	0.5030				
	A22	3986	0.5044	0.5051	0.5051	0.5046	0.5044	0.5081	0.5070	0.5071	0.5073	0.5069				
	A25	3967	0.5000	0.5006	0.5007	0.5002	0.5001	0.5046	0.5044	0.5046	0.5046	0.5048				
	A26	3944	0.5031	0.5036	0.5036	0.5032	0.5030	0.5067	0.5063	0.5063	0.5065	0.5066				
	A33	3916	0.5004	0.5009	0.5005	0.5008	0.5005	0.5026	0.5025	0.5024	0.5025	0.5027				
	A34	3916	0.5003	0.5008	0.5009	0.5007	0.5004	0.5020	0.5020	0.5021	0.5021	0.5025				
	A35	3851	0.5054	0.5058	0.5059	0.5060	0.5055	0.5073	0.5072	0.5073	0.5075	0.5077				
	A41	3941	0.5001	0.5006	0.5007	0.5009	0.5007	0.5021	0.5016	0.5017	0.5019	0.5021				
	A42	3877	0.5016	0.5020	0.5021	0.5024	0.5020	0.5049	0.5044	0.5045	0.5047	0.5048				
	A43	3885	0.5014	0.5020	0.5021	0.5024	0.5019	0.5042	0.5037	0.5038	0.5039	0.5041				
	A48	3877	0.5020	0.5024	0.5025	0.5027	0.5025	0.5053	0.5046	0.5045	0.5045	0.5045				
	A49	3884	0.5018	0.5023	0.5025	0.5027	0.5023	0.5053	0.5047	0.5048	0.5049	0.5051				
	A50	3901	0.5013	0.5018	0.5020	0.5022	0.5017	0.5049	0.5049	0.5047	0.5047	0.5049				
	A51	3921	0.4962	0.4967	0.4964	0.4961	0.4959	0.5000	0.4994	0.4992	0.4993	0.4995				
	A52	3996	0.4984	0.4989	0.4990	0.4989	0.4986	0.5019	0.5016	0.5016	0.5017	0.5016				
	A53	3892	0.4995	0.4999	0.4996	0.4999	0.4997	0.5026	0.5021	0.5021	0.5021	0.5020				
	ave	**3916**														
DATA SET 31: CCT > 5000K, T_J = 123C	1	6742	0.4538	0.4543	0.4561	0.4573	0.4575	0.4559	0.4568	0.4561	0.4562	0.4562	0.4558	0.4560	0.4563	
	2	6638	0.4550	0.4553	0.4574	0.4584	0.4586	0.4568	0.4578	0.4569	0.4573	0.4570	0.4570	0.4570	0.4575	
	3	6769	0.4530	0.4536	0.4559	0.4569	0.4569	0.4554	0.4564	0.4554	0.4556	0.4554	0.4553	0.4552	0.4556	
	18	6437	0.4575	0.4584	0.4606	0.4615	0.4617	0.4602	0.4617	0.4609	0.4612	0.4610	0.4609	0.4609	0.4615	
	19	6415	0.4576	0.4585	0.4605	0.4613	0.4617	0.4601	0.4617	0.4605	0.4609	0.4606	0.4606	0.4605	0.4610	
	20	6207	0.4610	0.4617	0.4636	0.4644	0.4647	0.4638	0.4652	0.4645	0.4647	0.4645	0.4643	0.4643	0.4649	
	23	6626	0.4614	0.4612	0.4616	0.4617	0.4622	0.4608	0.4617	0.4609	0.4611	0.4608	0.4607	0.4608	0.4610	
	24	6375	0.4654	0.4652	0.4655	0.4658	0.4662	0.4651	0.4659	0.4655	0.4655	0.4653	0.4653	0.4653	0.4653	
	25	6324	0.4665	0.4662	0.4666	0.4666	0.4670	0.4660	0.4668	0.4662	0.4662	0.4660	0.4660	0.4661	0.4662	
	33	6687	0.4559	0.4560	0.4571	0.4573	0.4575	0.4561	0.4569	0.4558	0.4560	0.4557	0.4555	0.4557	0.4558	
	34	6633	0.4569	0.4571	0.4580	0.4582	0.4584	0.4571	0.4581	0.4573	0.4576	0.4572	0.4570	0.4571	0.4574	
	35	6619	0.4573	0.4574	0.4583	0.4585	0.4588	0.4575	0.4580	0.4574	0.4573	0.4571	0.4570	0.4570	0.4572	
	39	5284	0.4824	0.4821	0.4825	0.4829	0.4828	0.4817	0.4825	0.4819	0.4819	0.4817	0.4814	0.4815	0.4820	
	40	5283	0.4827	0.4822	0.4826	0.4831	0.4832	0.4822	0.4829	0.4821	0.4823	0.4820	0.4819	0.4820	0.4822	
	41	6330	0.4575	0.4580	0.4602	0.4613	0.4615	0.4598	0.4610	0.4602	0.4609	0.4606	0.4604	0.4605	0.4612	
	42	6172	0.4616	0.4620	0.4640	0.4652	0.4653	0.4636	0.4648	0.4641	0.4645	0.4641	0.4640	0.4640	0.4646	
	43	6376	0.4588	0.4595	0.4623	0.4635	0.4636	0.4619	0.4630	0.4620	0.4625	0.4621	0.4621	0.4620	0.4626	
	44	6562	0.4562	0.4568	0.4597	0.4608	0.4609	0.4592	0.4598	0.4592	0.4596	0.4592	0.4592	0.4591	0.4597	
	45	6518	0.4569	0.4575	0.4605	0.4614	0.4617	0.4599	0.4608	0.4600	0.4604	0.4597	0.4598	0.4598	0.4604	
	52	6772	0.4520	0.4519	0.4527	0.4535	0.4538	0.4530	0.4538	0.4531	0.4533	0.4532	0.4532	0.4530	0.4536	
	61	6611	0.4585	0.4588	0.4597	0.4601	0.4604	0.4587	0.4594	0.4588	0.4591	0.4586	0.4586	0.4587	0.4587	
	62	6687	0.4569	0.4571	0.4581	0.4585	0.4586	0.4570	0.4577	0.4572	0.4569	0.4567	0.4567	0.4567	0.4570	
	63	6640	0.4580	0.4582	0.4593	0.4598	0.4601	0.4585	0.4595	0.4584	0.4589	0.4584	0.4584	0.4584	0.4587	
	64	6724	0.4574	0.4575	0.4582	0.4586	0.4589	0.4574	0.4581	0.4570	0.4573	0.4573	0.4572	0.4573	0.4575	
	65	6756	0.4572	0.4573	0.4578	0.4579	0.4582	0.4564	0.4573	0.4565	0.4567	0.4564	0.4564	0.4564	0.4566	
	ave	**6447**														

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 25: CCT = 4000K, T_J = 133C	A11	3988	0.0000	0.0007	0.0009	0.0013	0.0014	0.0022	0.0021	0.0020	0.0023	0.0019				
	A12	3889	0.0000	0.0007	0.0010	0.0014	0.0016	0.0025	0.0023	0.0024	0.0025	0.0024				
	A14	3884	0.0000	0.0007	0.0009	0.0014	0.0015	0.0028	0.0026	0.0025	0.0026	0.0027				
	A15	3851	0.0000	0.0006	0.0008	0.0015	0.0017	0.0036	0.0033	0.0033	0.0035	0.0037				
	A16	4002	0.0000	0.0007	0.0009	0.0013	0.0014	0.0035	0.0030	0.0031	0.0031	0.0033				
	A17	3904	0.0000	0.0006	0.0009	0.0014	0.0017	0.0024	0.0023	0.0021	0.0023	0.0023				
	A18	3931	0.0000	0.0007	0.0009	0.0013	0.0016	0.0024	0.0022	0.0022	0.0021	0.0022				
	A19	3850	0.0000	0.0007	0.0009	0.0014	0.0014	0.0027	0.0024	0.0024	0.0024	0.0026				
	A20	3893	0.0000	0.0006	0.0009	0.0013	0.0015	0.0027	0.0025	0.0025	0.0026	0.0027				
	A21	3951	0.0000	0.0007	0.0009	0.0011	0.0013	0.0025	0.0022	0.0022	0.0024	0.0025				
	A22	3986	0.0000	0.0008	0.0009	0.0011	0.0014	0.0037	0.0026	0.0027	0.0029	0.0026				
	A25	3967	0.0000	0.0007	0.0009	0.0012	0.0013	0.0047	0.0045	0.0047	0.0046	0.0049				
	A26	3944	0.0000	0.0007	0.0008	0.0011	0.0013	0.0036	0.0032	0.0032	0.0034	0.0035				
	A33	3916	0.0000	0.0007	0.0010	0.0015	0.0016	0.0024	0.0023	0.0022	0.0024	0.0025				
	A34	3916	0.0000	0.0007	0.0009	0.0013	0.0015	0.0020	0.0020	0.0020	0.0021	0.0024				
	A35	3851	0.0000	0.0006	0.0009	0.0013	0.0016	0.0020	0.0020	0.0021	0.0022	0.0024				
	A41	3941	0.0000	0.0007	0.0009	0.0013	0.0015	0.0022	0.0019	0.0021	0.0022	0.0023				
	A42	3877	0.0000	0.0006	0.0009	0.0013	0.0015	0.0033	0.0028	0.0029	0.0031	0.0032				
	A43	3885	0.0000	0.0007	0.0009	0.0015	0.0015	0.0028	0.0024	0.0025	0.0026	0.0028				
	A48	3877	0.0000	0.0007	0.0009	0.0015	0.0017	0.0033	0.0027	0.0026	0.0027	0.0027				
	A49	3884	0.0000	0.0008	0.0011	0.0016	0.0016	0.0035	0.0029	0.0030	0.0031	0.0033				
	A50	3901	0.0000	0.0008	0.0011	0.0016	0.0016	0.0036	0.0036	0.0034	0.0034	0.0036				
	A51	3921	0.0000	0.0007	0.0010	0.0015	0.0018	0.0038	0.0032	0.0030	0.0032	0.0033				
	A52	3996	0.0000	0.0007	0.0009	0.0014	0.0015	0.0035	0.0032	0.0032	0.0033	0.0032				
	A53	3892	0.0000	0.0006	0.0010	0.0014	0.0015	0.0031	0.0026	0.0027	0.0027	0.0026				
	ave	**3916**	**0.0000**	**0.0007**	**0.0009**	**0.0014**	**0.0015**	**0.0030**	**0.0027**	**0.0027**	**0.0028**	**0.0029**				
DATA SET 31: CCT > 5000K, T_J = 123C	1	6742	0.0000	0.0005	0.0023	0.0035	0.0037	0.0021	0.0030	0.0023	0.0024	0.0024	0.0020	0.0022	0.0025	
	2	6638	0.0000	0.0003	0.0024	0.0034	0.0036	0.0018	0.0028	0.0019	0.0023	0.0020	0.0020	0.0020	0.0025	
	3	6769	0.0000	0.0006	0.0029	0.0039	0.0039	0.0024	0.0034	0.0024	0.0026	0.0024	0.0023	0.0022	0.0026	
	18	6437	0.0000	0.0009	0.0031	0.0040	0.0042	0.0027	0.0042	0.0034	0.0037	0.0035	0.0034	0.0034	0.0040	
	19	6415	0.0000	0.0009	0.0029	0.0037	0.0041	0.0025	0.0041	0.0029	0.0033	0.0030	0.0030	0.0029	0.0034	
	20	6207	0.0000	0.0007	0.0026	0.0034	0.0037	0.0028	0.0042	0.0035	0.0037	0.0035	0.0033	0.0033	0.0039	
	23	6626	0.0000	0.0002	0.0002	0.0003	0.0008	0.0006	0.0003	0.0005	0.0003	0.0006	0.0007	0.0006	0.0004	
	24	6375	0.0000	0.0002	0.0001	0.0004	0.0008	0.0003	0.0005	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
	25	6324	0.0000	0.0003	0.0001	0.0001	0.0005	0.0005	0.0003	0.0003	0.0003	0.0005	0.0005	0.0004	0.0003	
	33	6687	0.0000	0.0001	0.0012	0.0014	0.0016	0.0003	0.0010	0.0001	0.0001	0.0002	0.0004	0.0002	0.0001	
	34	6633	0.0000	0.0002	0.0011	0.0013	0.0015	0.0002	0.0012	0.0004	0.0007	0.0003	0.0001	0.0002	0.0005	
	35	6619	0.0000	0.0001	0.0010	0.0012	0.0015	0.0002	0.0007	0.0001	0.0000	0.0002	0.0003	0.0003	0.0001	
	39	5284	0.0000	0.0003	0.0001	0.0005	0.0004	0.0007	0.0001	0.0005	0.0005	0.0007	0.0010	0.0009	0.0004	
	40	5283	0.0000	0.0005	0.0001	0.0004	0.0005	0.0005	0.0002	0.0006	0.0004	0.0007	0.0008	0.0007	0.0006	
	41	6330	0.0000	0.0005	0.0027	0.0038	0.0040	0.0023	0.0035	0.0027	0.0034	0.0031	0.0029	0.0030	0.0037	
	42	6172	0.0000	0.0004	0.0024	0.0036	0.0037	0.0020	0.0032	0.0025	0.0029	0.0025	0.0024	0.0024	0.0030	
	43	6376	0.0000	0.0007	0.0035	0.0047	0.0048	0.0031	0.0042	0.0032	0.0037	0.0033	0.0033	0.0032	0.0038	
	44	6562	0.0000	0.0006	0.0035	0.0046	0.0047	0.0030	0.0036	0.0030	0.0034	0.0030	0.0030	0.0029	0.0035	
	45	6518	0.0000	0.0006	0.0036	0.0045	0.0048	0.0030	0.0039	0.0031	0.0035	0.0028	0.0029	0.0029	0.0035	
	52	6772	0.0000	0.0001	0.0007	0.0015	0.0018	0.0010	0.0018	0.0011	0.0013	0.0012	0.0012	0.0010	0.0016	
	61	6611	0.0000	0.0003	0.0012	0.0016	0.0019	0.0003	0.0009	0.0003	0.0006	0.0001	0.0001	0.0002	0.0002	
	62	6687	0.0000	0.0002	0.0012	0.0016	0.0017	0.0001	0.0008	0.0003	0.0001	0.0002	0.0002	0.0002	0.0001	
	63	6640	0.0000	0.0002	0.0013	0.0018	0.0021	0.0005	0.0015	0.0004	0.0009	0.0004	0.0004	0.0004	0.0007	
	64	6724	0.0000	0.0001	0.0008	0.0012	0.0015	0.0001	0.0007	0.0004	0.0001	0.0001	0.0002	0.0001	0.0001	
	65	6756	0.0000	0.0001	0.0006	0.0007	0.0010	0.0008	0.0001	0.0007	0.0005	0.0008	0.0008	0.0008	0.0006	
	ave	**6447**	**0.0000**	**0.0004**	**0.0017**	**0.0023**	**0.0025**	**0.0014**	**0.0020**	**0.0015**	**0.0016**	**0.0015**	**0.0015**	**0.0015**	**0.0017**	

$T_S = T_{AIR} = 120°C$, $I_F = 0.35A$ (CCT = 5000°K set: $T_S = T_{AIR} = 98C$)

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

CCT = 5000K Data Set: $T_S \geq 98C$, $T_{AIR} \geq 93C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 25: CCT = 4000K, T_J = 133C	A11	3988	3.744	3.670	3.658	3.569	3.576	3.562	3.569	3.549	3.571	3.564				
	A12	3889	3.769	3.540	3.443	3.535	3.535	3.527	3.549	3.528	3.527	3.523				
	A14	3884	3.784	3.633	3.644	3.725	3.725	3.633	3.637	3.600	3.617	3.588				
	A15	3851	3.779	3.680	3.686	3.657	3.624	3.598	3.620	3.621	3.620	3.611				
	A16	4002	3.744	3.644	3.598	3.673	3.693	3.587	3.592	3.583	3.577	3.572				
	A17	3904	3.731	3.638	3.608	3.608	3.607	3.594	3.600	3.602	3.605	3.592				
	A18	3931	3.790	3.695	3.700	3.801	3.673	3.646	3.663	3.644	3.660	3.661				
	A19	3850	3.734	3.640	3.625	3.668	3.630	3.609	3.605	3.591	3.607	3.602				
	A20	3893	3.823	3.582	3.634	3.628	3.603	3.607	3.587	3.586	3.592	3.583				
	A21	3951	3.678	3.576	3.523	3.557	3.497	3.432	3.438	3.421	3.424	3.415				
	A22	3986	3.954	3.605	3.560	3.452	3.435	3.441	3.458	3.468	3.477	3.464				
	A25	3967	3.893	3.524	3.485	3.414	3.391	3.394	3.402	3.413	3.450	3.450				
	A26	3944	3.968	3.585	3.507	3.488	3.464	3.470	3.478	3.490	3.517	3.515				
	A33	3916	3.709	3.589	3.650	3.575	3.594	3.569	3.546	3.522	3.537	3.528				
	A34	3916	3.736	3.639	3.645	3.701	3.650	3.599	3.596	3.590	3.595	3.588				
	A35	3851	3.749	3.690	3.676	3.665	3.659	3.655	3.664	3.644	3.650	3.641				
	A41	3941	3.631	3.632	3.634	3.553	3.622	3.617	3.638	3.617	3.646	3.641				
	A42	3877	3.594	3.557	3.580	3.623	3.671	3.642	3.668	3.654	3.657	3.660				
	A43	3885	3.562	3.578	3.589	3.553	3.602	3.610	3.606	3.601	3.609	3.603				
	A48	3877	3.675	3.578	3.538	3.634	3.635	3.607	3.628	3.621	3.634	3.633				
	A49	3884	3.734	3.602	3.593	3.638	3.613	3.591	3.611	3.603	3.610	3.608				
	A50	3901	3.666	3.608	3.552	3.629	3.654	3.636	3.659	3.635	3.655	3.644				
	A51	3921	3.716	3.620	3.578	3.571	3.576	3.586	3.602	3.595	3.606	3.587				
	A52	3996	3.751	3.653	3.582	3.646	3.664	3.562	3.560	3.545	3.553	3.534				
	A53	3892	3.724	3.679	3.688	3.617	3.657	3.632	3.650	3.636	3.640	3.636				
	ave	**3916**	**3.746**													
DATA SET 31: CCT > 5000K, T_J = 123C	1	6742	3.138	3.131	3.131	3.123	3.127	3.127	3.132	3.143	3.155	3.132	3.134	3.129	3.115	
	2	6638	3.149	3.143	3.141	3.134	3.137	3.138	3.140	3.151	3.164	3.141	3.142	3.137	3.122	
	3	6769	3.155	3.148	3.148	3.139	3.144	3.146	3.148	3.159	3.169	3.148	3.149	3.144	3.127	
	18	6437	3.088	3.084	3.083	3.079	3.086	3.092	3.104	3.115	3.123	3.113	3.114	3.108	3.096	
	19	6415	3.095	3.089	3.088	3.086	3.091	3.099	3.108	3.121	3.129	3.118	3.118	3.114	3.099	
	20	6207	3.092	3.086	3.088	3.081	3.087	3.094	3.103	3.114	3.123	3.112	3.113	3.107	3.096	
	23	6626	3.129	3.119	3.121	3.120	3.125	3.139	3.164	3.188	3.208	3.188	3.192	3.180	3.164	
	24	6375	3.136	3.125	3.127	3.125	3.132	3.146	3.168	3.193	3.212	3.193	3.198	3.182	3.169	
	25	6324	3.143	3.134	3.135	3.132	3.139	3.154	3.176	3.197	3.219	3.199	3.202	3.190	3.174	
	33	6687	3.117	3.115	3.113	3.106	3.109	3.117	3.123	3.130	3.136	3.123	3.125	3.121	3.106	
	34	6633	3.122	3.119	3.117	3.112	3.117	3.123	3.126	3.135	3.141	3.127	3.130	3.123	3.111	
	35	6619	3.131	3.128	3.126	3.121	3.123	3.128	3.132	3.136	3.145	3.131	3.132	3.126	3.116	
	39	5284	3.676	3.392	3.339	3.294	3.290	3.268	3.309	3.326	3.357	3.287	3.290	3.259	3.239	
	40	5283	3.682	3.396	3.342	3.297	3.290	3.267	3.301	3.313	3.341	3.277	3.281	3.251	3.233	
	41	6330	3.070	3.065	3.065	3.060	3.065	3.076	3.093	3.113	3.121	3.109	3.111	3.102	3.093	
	42	6172	3.092	3.088	3.086	3.082	3.088	3.093	3.103	3.116	3.120	3.107	3.110	3.103	3.090	
	43	6376	3.112	3.108	3.107	3.100	3.105	3.112	3.117	3.129	3.134	3.121	3.122	3.116	3.106	
	44	6562	3.118	3.113	3.112	3.107	3.112	3.114	3.120	3.130	3.134	3.123	3.123	3.117	3.106	
	45	6518	3.129	3.123	3.121	3.114	3.116	3.118	3.125	3.134	3.137	3.127	3.126	3.121	3.109	
	52	6772	3.027	3.022	3.019	3.018	3.021	3.029	3.041	3.050	3.061	3.051	3.051	3.048	3.037	
	61	6611	3.081	3.077	3.077	3.074	3.079	3.090	3.110	3.129	3.139	3.125	3.128	3.121	3.109	
	62	6687	3.078	3.073	3.074	3.069	3.075	3.085	3.106	3.125	3.136	3.122	3.125	3.118	3.109	
	63	6640	3.080	3.074	3.075	3.071	3.077	3.090	3.110	3.124	3.142	3.127	3.128	3.122	3.113	
	64	6724	3.088	3.083	3.084	3.081	3.082	3.097	3.119	3.137	3.151	3.136	3.141	3.132	3.122	
	65	6756	3.101	3.095	3.096	3.093	3.097	3.107	3.127	3.140	3.155	3.139	3.144	3.134	3.126	
	ave	**6447**	**3.153**													

$T_S = T_{AIR} = 55°C, I_F = 0.7A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	% at 6khours
DATA SET 6: CCT = 2650K, T_J = 74C	A11	2662	109.039	108.598	107.639	107.437	106.338	105.902	108.999	107.821	107.038	107.053					**98.2**
	A12	2589	107.766	107.187	106.232	105.852	104.741	104.108	106.177	105.092	104.383	104.447					**96.9**
	A13	2627	105.308	105.127	104.190	103.863	102.554	101.984	104.392	103.331	102.622	102.576					**97.4**
	A14	2607	103.693	103.141	102.114	101.807	100.751	100.160	102.452	101.408	100.279	100.672					**97.1**
	A15	2533	108.044	107.684	106.622	106.295	105.109	104.468	106.165	105.025	104.217	104.441					**96.7**
	A16	2609	105.048	104.793	103.907	103.640	102.571	102.342	105.486	104.479	103.770	103.929					**98.9**
	A17	2687	113.558	113.178	112.035	111.931	110.879	110.429	113.496	112.351	111.786	112.052					**98.7**
	A18	2643	109.662	108.904	107.956	107.640	106.474	105.937	109.263	108.281	107.403	107.642					**98.2**
	A19	2659	110.784	110.255	109.392	109.268	108.106	107.716	110.730	109.870	109.207	109.437					**98.8**
	A20	2592	103.745	103.331	102.507	102.256	100.999	100.524	103.107	102.099	101.238	101.524					**97.9**
	A31	2564	107.357	106.908	105.774	105.415	104.175	103.902	106.317	105.320	104.470	104.589					**97.4**
	A32	2647	111.530	111.146	110.205	109.878	108.646	108.283	110.616	109.584	108.750	108.782					**97.5**
	A33	2656	108.226	107.388	106.859	106.423	105.187	104.643	107.135	106.287	105.291	105.551					**97.5**
	A34	2627	105.670	105.562	104.903	104.727	103.523	103.185	105.364	104.559	103.696	103.772					**98.2**
	A35	2620	112.652	112.216	111.270	110.947	109.675	109.042	110.697	109.687	108.801	108.805					**96.6**
	A36	2688	108.629	108.704	107.890	107.578	106.226	106.139	109.476	108.481	107.612	107.944					**99.4**
	A37	2608	109.166	109.109	107.827	107.375	106.388	106.518	109.879	108.705	107.977	108.103					**99.0**
	A38	2640	109.702	109.285	108.231	107.933	106.791	106.529	109.328	108.409	107.534	107.769					**98.2**
	A39	2586	108.986	108.862	107.648	107.249	106.064	105.835	108.823	107.705	107.051	107.274					**98.4**
	A40	2631	111.960	111.571	110.404	110.191	108.958	108.908	112.142	111.224	110.216	110.667					**98.8**
	A51	2671	111.585	111.427	110.450	110.007	108.573	108.326	110.542	109.757	108.772	109.022					**97.7**
	A52	2621	108.590	108.328	107.564	107.173	105.695	104.871	106.948	106.010	104.772	105.301					**97.0**
	A53	2678	111.371	111.201	110.394	110.249	108.602	107.849	109.862	109.070	107.904	108.245					**97.2**
	A54	2658	106.545	106.119	105.534	105.467	104.049	103.351	105.243	104.662	103.764	104.473					**98.1**
	A55	2652	101.310	101.485	100.406	99.969	98.462	97.472	98.620	97.629	96.306	97.143					**95.9**
	ave	**2630**															**97.8**
DATA SET 15: CCT = 3000K, T_J = 74C	A1	2992	117.254	117.231	116.505	116.190	114.840	114.631	117.713	116.674	115.433	115.773					**98.7**
	A2	3008	113.322	113.343	113.015	112.705	111.543	111.343	113.854	112.960	112.010	112.107					**98.9**
	A3	2921	117.520	117.235	116.479	116.047	114.592	114.409	117.228	116.187	115.095	115.478					**98.3**
	A4	2975	120.334	120.552	119.293	118.963	117.535	117.373	120.500	119.348	118.324	118.607					**98.6**
	A5	2986	116.314	116.070	115.447	115.316	113.975	113.523	116.089	115.104	114.092	114.631					**98.6**
	A6	2992	114.539	114.257	113.981	114.076	112.782	112.440	115.437	114.353	113.456	114.084					**99.6**
	A7	2965	115.079	114.889	114.439	114.895	113.661	113.245	115.574	114.627	113.660	114.465					**99.5**
	A8	3026	119.910	119.785	119.029	119.279	117.781	117.653	120.060	119.212	118.331	118.907					**99.2**
	A9	3083	120.990	121.017	120.171	120.348	118.897	118.685	121.689	120.481	119.608	120.265					**99.4**
	A10	3048	122.815	123.225	122.338	122.254	120.815	120.607	123.691	122.403	121.505	122.068					**99.4**
	A21	3055	113.748	113.274	112.664	112.558	111.308	111.118	114.006	112.765	111.389	112.190					**98.6**
	A22	3026	118.700	118.356	117.588	117.380	116.126	115.958	119.109	117.524	116.516	117.142					**98.7**
	A23	3032	116.566	116.187	115.222	114.875	113.408	113.097	116.015	114.583	113.084	113.954					**97.8**
	A24	3043	119.874	119.502	118.701	118.669	117.397	117.203	120.180	119.036	117.995	118.610					**98.9**
	A25	3043	122.889	123.189	122.165	121.906	120.495	120.235	123.868	122.262	121.495	122.233					**99.5**
	A26	3104	128.490	128.926	127.829	127.550	126.117	126.027	129.029	127.699	126.626	127.359					**99.1**
	A27	3032	123.902	124.072	123.110	122.906	121.626	121.404	124.957	123.582	122.454	123.320					**99.5**
	A28	3056	116.598	116.383	115.704	115.680	114.601	114.449	117.790	116.601	115.532	116.537					**99.9**
	A29	3020	117.473	117.167	116.564	116.521	115.304	115.320	118.176	117.037	116.117	116.974					**99.6**
	A30	3002	114.499	113.391	111.939	111.595	110.218	109.837	112.339	111.224	110.223	111.034					**97.0**
	A41	3081	121.690	121.801	121.200	121.080	119.786	119.515	121.433	120.413	119.269	119.961					**98.6**
	A42	3049	123.559	123.505	122.925	122.828	121.609	120.986	123.030	121.841	120.841	121.069					**98.0**
	A43	3082	123.489	123.853	123.139	123.069	121.737	121.133	123.085	122.195	121.225	121.874					**98.7**
	A44	3009	120.449	120.248	119.500	119.428	118.247	117.762	120.532	119.251	117.933	118.117					**98.1**
	A45	3116	128.817	129.265	128.429	128.337	127.108	126.695	129.370	128.137	126.909	127.443					**98.9**
	ave	**3030**															**98.8**
DATA SET 24: CCT = 3500K, T_J = 81C	A1	3588	115.780	115.152	116.161	115.732	116.327	123.064	123.378	126.497	125.561	124.910					**107.9**
	A7	3621	122.705	121.913	122.786	122.517	122.304	121.703	121.767	122.218	121.235	120.556					**98.2**
	A8	3613	119.628	121.053	121.808	121.693	121.226	122.863	123.244	123.714	122.714	122.099					**102.1**
	A9	3562	124.061	123.436	124.056	123.492	123.339	125.043	125.231	125.755	124.721	123.851					**99.8**
	A36	3558	124.854	124.363	125.007	124.498	123.946	122.721	122.827	123.162	122.567	122.026					**97.7**
	A38	3665	124.330	124.210	125.015	124.814	124.532	123.576	123.848	124.291	123.530	123.223					**99.1**
	A39	3655	124.976	124.342	124.472	123.710	123.547	122.411	122.646	122.972	122.324	122.006					**97.6**
	A56	3687	123.844	123.106	124.241	124.118	125.411	124.179	124.404	124.891	124.105	123.712					**99.9**
	A80	3661	125.960	125.860	126.848	126.714	127.420	126.044	126.240	126.508	125.625	126.293					**100.3**
	B3	3450	124.365	123.416	124.733	124.490	124.568	122.850	122.319	123.205	122.057	121.990					**98.1**
	B4	3360	122.995	122.129	123.370	122.749	122.787	120.904	120.991	122.120	120.926	120.685					**98.1**
	B5	3310	118.824	117.694	119.467	119.139	124.510	122.567	122.726	123.505	122.405	122.272					**102.9**
	B6	3372	120.637	119.863	120.641	120.045	121.804	120.161	120.267	120.584	119.368	119.431					**99.0**
	B7	3345	122.774	122.107	123.123	121.481	122.687	121.341	121.574	123.222	121.970	121.668					**99.1**
	B8	3376	121.086	120.073	121.195	119.473	121.292	119.493	120.169	121.567	120.188	120.047					**99.1**
	B9	3305	124.358	123.639	124.701	119.578	121.779	120.039	120.311	120.955	119.332	119.157					**95.8**
	B13	3340	124.432	123.987	124.658	124.340	124.992	123.339	123.405	123.891	122.752	122.333					**98.3**
	B14	3368	122.659	122.317	123.215	122.909	121.561	119.989	120.099	121.761	120.724	120.242					**98.0**
	B15	3443	122.420	121.771	122.760	122.438	123.108	121.772	121.792	122.890	121.942	121.437					**99.2**
	B17	3352	118.646	118.158	118.781	118.354	118.509	117.049	116.935	117.995	117.028	116.507					**98.2**
	B18	3341	119.068	118.637	118.995	118.378	117.215	115.951	115.782	117.219	115.782	115.515					**97.0**
	B19	3358	121.936	121.615	122.054	117.038	118.422	117.140	117.055	118.644	117.040	116.653					**95.7**
	B21	3667	124.283	123.494	124.698	124.565	125.111	123.772	124.211	125.015	124.177	123.875					**99.7**
	B22	3672	124.797	124.007	125.296	125.124	126.195	124.882	125.231	125.930	125.017	124.668					**99.9**
	B23	3409	122.946	122.001	123.216	122.974	123.257	121.868	122.121	122.259	121.232	120.979					**98.4**
	ave	**3483**															**99.2**

$T_S = T_{AIR} = 55°C$, $I_F = 0.7A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

Normalized flux

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 6: CCT = 2650K, T_J = 74C	A11	2662	1.0000	0.9960	0.9872	0.9853	0.9752	0.9712	0.9996	0.9888	0.9817	0.9818				
	A12	2589	1.0000	0.9946	0.9858	0.9822	0.9719	0.9661	0.9853	0.9752	0.9686	0.9692				
	A13	2627	1.0000	0.9983	0.9894	0.9863	0.9738	0.9684	0.9913	0.9812	0.9745	0.9741				
	A14	2607	1.0000	0.9947	0.9848	0.9818	0.9716	0.9659	0.9880	0.9780	0.9671	0.9709				
	A15	2533	1.0000	0.9967	0.9868	0.9838	0.9728	0.9669	0.9826	0.9721	0.9646	0.9667				
	A16	2609	1.0000	0.9976	0.9891	0.9866	0.9764	0.9742	1.0042	0.9946	0.9878	0.9893				
	A17	2687	1.0000	0.9967	0.9866	0.9857	0.9764	0.9725	0.9995	0.9894	0.9844	0.9867				
	A18	2643	1.0000	0.9931	0.9844	0.9816	0.9709	0.9660	0.9964	0.9874	0.9794	0.9816				
	A19	2659	1.0000	0.9952	0.9874	0.9863	0.9758	0.9723	0.9995	0.9917	0.9858	0.9878				
	A20	2592	1.0000	0.9960	0.9881	0.9856	0.9735	0.9690	0.9938	0.9841	0.9758	0.9786				
	A31	2564	1.0000	0.9958	0.9853	0.9819	0.9704	0.9678	0.9903	0.9810	0.9731	0.9742				
	A32	2647	1.0000	0.9966	0.9881	0.9852	0.9741	0.9709	0.9918	0.9825	0.9751	0.9754				
	A33	2656	1.0000	0.9923	0.9874	0.9833	0.9719	0.9669	0.9899	0.9821	0.9729	0.9753				
	A34	2627	1.0000	0.9990	0.9927	0.9911	0.9797	0.9765	0.9971	0.9895	0.9813	0.9820				
	A35	2620	1.0000	0.9961	0.9877	0.9849	0.9736	0.9679	0.9826	0.9737	0.9658	0.9658				
	A36	2688	1.0000	1.0007	0.9932	0.9903	0.9779	0.9771	1.0078	0.9986	0.9906	0.9937				
	A37	2608	1.0000	0.9995	0.9877	0.9836	0.9746	0.9757	1.0065	0.9958	0.9891	0.9903				
	A38	2640	1.0000	0.9962	0.9866	0.9839	0.9735	0.9711	0.9966	0.9882	0.9802	0.9824				
	A39	2586	1.0000	0.9989	0.9877	0.9841	0.9732	0.9711	0.9985	0.9882	0.9822	0.9843				
	A40	2631	1.0000	0.9965	0.9861	0.9842	0.9732	0.9727	1.0016	0.9934	0.9844	0.9884				
	A51	2671	1.0000	0.9986	0.9898	0.9859	0.9730	0.9708	0.9906	0.9836	0.9748	0.9770				
	A52	2621	1.0000	0.9976	0.9906	0.9870	0.9733	0.9658	0.9849	0.9762	0.9648	0.9697				
	A53	2678	1.0000	0.9985	0.9912	0.9899	0.9751	0.9684	0.9865	0.9793	0.9689	0.9719				
	A54	2658	1.0000	0.9960	0.9905	0.9899	0.9766	0.9700	0.9878	0.9823	0.9739	0.9806				
	A55	2652	1.0000	1.0017	0.9911	0.9868	0.9719	0.9621	0.9734	0.9637	0.9506	0.9589				
	ave	**2630**	**1.0000**	**0.9969**	**0.9882**	**0.9855**	**0.9740**	**0.9699**	**0.9930**	**0.9840**	**0.9759**	**0.9783**				
DATA SET 15: CCT = 3000K, T_J = 74C	A1	2992	1.0000	0.9998	0.9936	0.9909	0.9794	0.9776	1.0039	0.9951	0.9845	0.9874				
	A2	3008	1.0000	1.0002	0.9973	0.9946	0.9843	0.9825	1.0047	0.9968	0.9884	0.9893				
	A3	2921	1.0000	0.9976	0.9911	0.9875	0.9751	0.9735	0.9975	0.9887	0.9794	0.9826				
	A4	2975	1.0000	1.0018	0.9913	0.9886	0.9767	0.9754	1.0014	0.9918	0.9833	0.9856				
	A5	2986	1.0000	0.9979	0.9925	0.9914	0.9799	0.9760	0.9981	0.9896	0.9809	0.9855				
	A6	2992	1.0000	0.9975	0.9951	0.9960	0.9847	0.9817	1.0078	0.9984	0.9905	0.9960				
	A7	2965	1.0000	0.9983	0.9944	0.9984	0.9877	0.9841	1.0043	0.9961	0.9877	0.9947				
	A8	3026	1.0000	0.9990	0.9927	0.9947	0.9822	0.9812	1.0013	0.9942	0.9868	0.9916				
	A9	3083	1.0000	1.0002	0.9932	0.9947	0.9827	0.9809	1.0058	0.9958	0.9886	0.9940				
	A10	3048	1.0000	1.0033	0.9961	0.9954	0.9837	0.9820	1.0071	0.9966	0.9893	0.9939				
	A21	3055	1.0000	0.9958	0.9905	0.9895	0.9786	0.9769	1.0023	0.9914	0.9793	0.9863				
	A22	3026	1.0000	0.9971	0.9906	0.9889	0.9783	0.9769	1.0034	0.9901	0.9816	0.9869				
	A23	3032	1.0000	0.9967	0.9885	0.9855	0.9729	0.9702	0.9953	0.9830	0.9701	0.9776				
	A24	3043	1.0000	0.9969	0.9902	0.9899	0.9793	0.9777	1.0025	0.9930	0.9843	0.9895				
	A25	3043	1.0000	1.0024	0.9941	0.9920	0.9805	0.9784	1.0080	0.9949	0.9887	0.9947				
	A26	3104	1.0000	1.0034	0.9949	0.9927	0.9815	0.9808	1.0042	0.9938	0.9855	0.9912				
	A27	3032	1.0000	1.0014	0.9936	0.9920	0.9816	0.9798	1.0085	0.9974	0.9883	0.9953				
	A28	3056	1.0000	0.9982	0.9923	0.9921	0.9829	0.9816	1.0102	1.0000	0.9909	0.9995				
	A29	3020	1.0000	0.9974	0.9923	0.9919	0.9815	0.9817	1.0060	0.9963	0.9885	0.9958				
	A30	3002	1.0000	0.9903	0.9776	0.9746	0.9626	0.9593	0.9811	0.9714	0.9627	0.9697				
	A41	3081	1.0000	1.0009	0.9960	0.9950	0.9844	0.9821	0.9979	0.9895	0.9801	0.9858				
	A42	3049	1.0000	0.9996	0.9949	0.9941	0.9842	0.9792	0.9957	0.9861	0.9780	0.9799				
	A43	3082	1.0000	1.0029	0.9972	0.9966	0.9858	0.9809	0.9967	0.9895	0.9817	0.9869				
	A44	3009	1.0000	0.9983	0.9921	0.9915	0.9817	0.9777	1.0007	0.9901	0.9791	0.9806				
	A45	3116	1.0000	1.0035	0.9970	0.9963	0.9867	0.9835	1.0043	0.9947	0.9852	0.9893				
	ave	**3030**	**1.0000**	**0.9992**	**0.9928**	**0.9918**	**0.9808**	**0.9785**	**1.0020**	**0.9922**	**0.9833**	**0.9884**				
DATA SET 24: CCT = 3500K, T_J = 81C	A1	3588	1.0000	0.9946	1.0033	0.9996	1.0047	1.0629	1.0656	1.0926	1.0845	1.0789				
	A7	3621	1.0000	0.9935	1.0007	0.9985	0.9967	0.9918	0.9923	0.9960	0.9880	0.9825				
	A8	3613	1.0000	1.0119	1.0182	1.0173	1.0134	1.0270	1.0302	1.0342	1.0258	1.0207				
	A9	3562	1.0000	0.9950	1.0000	0.9954	0.9942	1.0079	1.0094	1.0137	1.0053	0.9983				
	A36	3558	1.0000	0.9961	1.0012	0.9971	0.9927	0.9829	0.9838	0.9864	0.9817	0.9773				
	A38	3665	1.0000	0.9990	1.0055	1.0039	1.0016	0.9939	0.9961	0.9997	0.9936	0.9911				
	A39	3655	1.0000	0.9949	0.9960	0.9899	0.9886	0.9795	0.9814	0.9840	0.9788	0.9762				
	A56	3687	1.0000	0.9940	1.0032	1.0022	1.0126	1.0027	1.0045	1.0085	1.0021	0.9989				
	A80	3661	1.0000	0.9992	1.0070	1.0060	1.0116	1.0007	1.0022	1.0044	0.9973	1.0026				
	B3	3450	1.0000	0.9924	1.0030	1.0010	1.0016	0.9878	0.9835	0.9907	0.9814	0.9809				
	B4	3360	1.0000	0.9930	1.0030	0.9980	0.9983	0.9830	0.9837	0.9929	0.9832	0.9812				
	B5	3310	1.0000	0.9905	1.0054	1.0027	1.0479	1.0315	1.0328	1.0394	1.0301	1.0290				
	B6	3372	1.0000	0.9936	1.0000	0.9951	1.0097	0.9960	0.9969	0.9996	0.9895	0.9900				
	B7	3345	1.0000	0.9946	1.0028	0.9895	0.9993	0.9883	0.9902	1.0037	0.9934	0.9910				
	B8	3376	1.0000	0.9916	1.0009	0.9867	1.0017	0.9868	0.9924	1.0040	0.9926	0.9914				
	B9	3305	1.0000	0.9942	1.0028	0.9616	0.9793	0.9653	0.9675	0.9726	0.9596	0.9582				
	B13	3340	1.0000	0.9964	1.0018	0.9993	1.0045	0.9912	0.9917	0.9957	0.9865	0.9831				
	B14	3368	1.0000	0.9972	1.0045	1.0020	0.9911	0.9782	0.9791	0.9927	0.9842	0.9803				
	B15	3443	1.0000	0.9947	1.0028	1.0001	1.0056	0.9947	0.9949	1.0038	0.9961	0.9920				
	B17	3352	1.0000	0.9959	1.0011	0.9975	0.9988	0.9865	0.9856	0.9945	0.9864	0.9820				
	B18	3341	1.0000	0.9964	0.9994	0.9942	0.9844	0.9738	0.9724	0.9845	0.9724	0.9702				
	B19	3358	1.0000	0.9974	1.0010	0.9598	0.9712	0.9607	0.9600	0.9730	0.9599	0.9567				
	B21	3667	1.0000	0.9936	1.0033	1.0023	1.0067	0.9959	0.9994	1.0059	0.9991	0.9967				
	B22	3672	1.0000	0.9937	1.0040	1.0026	1.0112	1.0007	1.0035	1.0091	1.0018	0.9990				
	B23	3409	1.0000	0.9923	1.0022	1.0002	1.0025	0.9912	0.9933	0.9944	0.9861	0.9840				
	ave	**3483**	**1.0000**	**0.9954**	**1.0029**	**0.9961**	**1.0012**	**0.9944**	**0.9957**	**1.0030**	**0.9944**	**0.9917**				

$T_S = T_{AIR} = 55°C, I_F = 0.7A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 6: CCT = 2650K, T_J = 74C	A11	2662	-1.5617E-06	0.9777	0.081	-213,917
	A12	2589	4.6926E-07	0.9743	0.015	704,576
	A13	2627	-2.7390E-07	0.9763	0.004	-1,214,485
	A14	2607	3.0238E-07	0.9746	0.004	1,094,402
	A15	2533	1.4253E-06	0.9758	0.156	233,050
	A16	2609	-2.7931E-06	0.9781	0.212	-119,772
	A17	2687	-2.2595E-06	0.9770	0.188	-147,563
	A18	2643	-2.4785E-06	0.9718	0.172	-132,353
	A19	2659	-2.7045E-06	0.9762	0.244	-122,968
	A20	2592	-1.0671E-06	0.9755	0.050	-310,956
	A31	2564	-7.6437E-07	0.9735	0.029	-431,493
	A32	2647	-2.7893E-07	0.9773	0.004	-1,196,475
	A33	2656	-7.9631E-07	0.9737	0.031	-414,503
	A34	2627	-5.4830E-07	0.9824	0.018	-618,188
	A35	2620	1.5889E-06	0.9770	0.199	209,827
	A36	2688	-3.2113E-06	0.9798	0.248	-104,721
	A37	2608	-3.1430E-06	0.9778	0.229	-106,333
	A38	2640	-1.8662E-06	0.9756	0.132	-177,862
	A39	2586	-2.3053E-06	0.9750	0.177	-143,729
	A40	2631	-3.0116E-06	0.9752	0.239	-110,111
	A51	2671	-7.3902E-07	0.9758	0.033	-449,428
	A52	2621	8.6633E-07	0.9754	0.045	382,950
	A53	2678	6.3261E-07	0.9772	0.028	527,293
	A54	2658	-7.6515E-07	0.9759	0.049	-434,256
	A55	2652	3.2460E-06	0.9744	0.476	101,894
	ave	**2630**	**-8.8983E-07**	**0.9761**	**0.039**	**-373,671**
DATA SET 15: CCT = 3000K, T_J = 74C	A1	2992	-1.5003E-06	0.9828	0.078	-226,145
	A2	3008	-1.0068E-06	0.9875	0.050	-341,760
	A3	2921	-1.3579E-06	0.9781	0.077	-246,367
	A4	2975	-1.7141E-06	0.9798	0.106	-196,166
	A5	2986	-1.0050E-06	0.9815	0.054	-336,314
	A6	2992	-2.1410E-06	0.9857	0.172	-159,886
	A7	2965	-1.0855E-06	0.9886	0.074	-318,040
	A8	3026	-1.6492E-06	0.9838	0.159	-206,386
	A9	3083	-2.0130E-06	0.9843	0.164	-169,328
	A10	3048	-1.8109E-06	0.9858	0.132	-189,078
	A21	3055	-1.0233E-06	0.9822	0.038	-331,015
	A22	3026	-1.2724E-06	0.9818	0.058	-265,862
	A23	3032	-3.2079E-07	0.9770	0.004	-1,039,469
	A24	3043	-1.7721E-06	0.9816	0.124	-190,778
	A25	3043	-2.5659E-06	0.9819	0.192	-131,903
	A26	3104	-1.5099E-06	0.9843	0.100	-225,721
	A27	3032	-2.3977E-06	0.9835	0.171	-141,820
	A28	3056	-2.9099E-06	0.9840	0.238	-117,045
	A29	3020	-2.3676E-06	0.9834	0.212	-143,575
	A30	3002	-1.0692E-06	0.9642	0.059	-299,467
	A41	3081	2.0990E-07	0.9873	0.004	1,638,566
	A42	3049	1.0159E-06	0.9873	0.081	338,548
	A43	3082	-1.8575E-08	0.9868	0.000	-18,489,606
	A44	3009	3.3841E-07	0.9861	0.005	1,012,653
	A45	3116	-2.4650E-07	0.9898	0.003	-1,405,205
	ave	**3030**	**-1.2497E-06**	**0.9832**	**0.071**	**-271,817**
DATA SET 24: CCT = 3500K, T_J = 81C	A1	3588	-1.2605E-05	1.0185	0.612	-29,753
	A7	3621	2.2807E-06	0.9992	0.629	156,024
	A8	3613	-1.0300E-06	1.0215	0.072	-366,918
	A9	3562	-4.9021E-07	1.0031	0.016	-733,823
	A36	3558	2.2609E-06	0.9920	0.653	154,188
	A38	3665	1.4401E-06	1.0010	0.453	248,397
	A39	3655	1.7775E-06	0.9875	0.561	193,597
	A56	3687	1.8874E-06	1.0115	0.521	195,062
	A80	3661	1.4940E-06	1.0084	0.347	244,336
	B3	3450	3.3370E-06	0.9992	0.626	106,660
	B4	3360	2.1857E-06	0.9946	0.345	160,714
	B5	3310	2.5243E-06	1.0443	0.461	158,466
	B6	3372	3.3030E-06	1.0085	0.697	110,551
	B7	3345	3.6405E-07	0.9956	0.013	967,554
	B8	3376	6.4630E-07	0.9971	0.033	547,313
	B9	3305	3.4634E-06	0.9788	0.619	96,806
	B13	3340	3.3675E-06	1.0039	0.703	107,063
	B14	3368	6.4230E-07	0.9865	0.036	534,098
	B15	3443	1.5772E-06	1.0034	0.285	228,279
	B17	3352	2.1918E-06	0.9966	0.410	161,162
	B18	3341	1.8606E-06	0.9826	0.280	182,285
	B19	3358	1.8385E-06	0.9698	0.240	177,305
	B21	3667	9.5336E-07	1.0040	0.151	378,264
	B22	3672	1.4880E-06	1.0094	0.329	246,008
	B23	3409	3.0815E-06	1.0027	0.751	116,612
	ave	**3483**	**1.1605E-06**	**1.0008**	**0.242**	**308,016**

$T_S = T_{AIR} = 55°C$, $I_F = 0.7A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

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		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 6: CCT = 2650K, T_J = 74C	A11	2662	0.2636	0.2621	0.2614	0.2607	0.2602	0.2595	0.2589	0.2587	0.2587	0.2587				
	A12	2589	0.2681	0.2664	0.2657	0.2650	0.2643	0.2637	0.2632	0.2631	0.2631	0.2631				
	A13	2627	0.2656	0.2640	0.2633	0.2626	0.2621	0.2614	0.2608	0.2607	0.2607	0.2606				
	A14	2607	0.2664	0.2648	0.2641	0.2634	0.2628	0.2622	0.2617	0.2615	0.2616	0.2615				
	A15	2533	0.2708	0.2691	0.2683	0.2675	0.2669	0.2663	0.2659	0.2658	0.2659	0.2658				
	A16	2609	0.2668	0.2651	0.2644	0.2637	0.2632	0.2623	0.2619	0.2617	0.2619	0.2618				
	A17	2687	0.2632	0.2617	0.2609	0.2602	0.2596	0.2590	0.2585	0.2583	0.2583	0.2582				
	A18	2643	0.2654	0.2638	0.2631	0.2624	0.2618	0.2611	0.2606	0.2604	0.2605	0.2605				
	A19	2659	0.2640	0.2624	0.2617	0.2610	0.2605	0.2598	0.2593	0.2591	0.2592	0.2591				
	A20	2592	0.2676	0.2660	0.2652	0.2646	0.2640	0.2633	0.2628	0.2627	0.2628	0.2628				
	A31	2564	0.2690	0.2674	0.2667	0.2660	0.2654	0.2647	0.2641	0.2640	0.2641	0.2639				
	A32	2647	0.2648	0.2632	0.2624	0.2618	0.2612	0.2605	0.2601	0.2599	0.2600	0.2599				
	A33	2656	0.2643	0.2628	0.2620	0.2614	0.2608	0.2601	0.2596	0.2595	0.2596	0.2595				
	A34	2627	0.2657	0.2642	0.2635	0.2628	0.2622	0.2614	0.2610	0.2608	0.2609	0.2608				
	A35	2620	0.2663	0.2647	0.2639	0.2632	0.2626	0.2620	0.2617	0.2616	0.2616	0.2616				
	A36	2688	0.2625	0.2609	0.2602	0.2596	0.2590	0.2582	0.2577	0.2575	0.2576	0.2575				
	A37	2608	0.2666	0.2649	0.2644	0.2638	0.2631	0.2620	0.2615	0.2614	0.2614	0.2614				
	A38	2640	0.2648	0.2631	0.2624	0.2617	0.2611	0.2604	0.2599	0.2598	0.2599	0.2598				
	A39	2586	0.2679	0.2662	0.2656	0.2650	0.2644	0.2634	0.2628	0.2628	0.2628	0.2628				
	A40	2631	0.2654	0.2637	0.2629	0.2623	0.2617	0.2609	0.2604	0.2602	0.2603	0.2602				
	A51	2671	0.2639	0.2623	0.2615	0.2608	0.2602	0.2594	0.2590	0.2588	0.2589	0.2588				
	A52	2621	0.2666	0.2649	0.2642	0.2635	0.2629	0.2623	0.2620	0.2618	0.2619	0.2617				
	A53	2678	0.2634	0.2618	0.2611	0.2604	0.2598	0.2592	0.2588	0.2587	0.2587	0.2586				
	A54	2658	0.2646	0.2630	0.2623	0.2616	0.2610	0.2604	0.2600	0.2599	0.2599	0.2596				
	A55	2652	0.2658	0.2641	0.2634	0.2627	0.2621	0.2615	0.2611	0.2609	0.2610	0.2608				
	ave	**2630**														
DATA SET 15: CCT = 3000K, T_J = 74C	A1	2992	0.2507	0.2496	0.2490	0.2487	0.2483	0.2477	0.2473	0.2471	0.2472	0.2470				
	A2	3008	0.2501	0.2490	0.2485	0.2482	0.2477	0.2472	0.2468	0.2466	0.2467	0.2466				
	A3	2921	0.2534	0.2523	0.2518	0.2514	0.2510	0.2503	0.2500	0.2498	0.2499	0.2498				
	A4	2975	0.2511	0.2500	0.2495	0.2492	0.2487	0.2481	0.2478	0.2476	0.2477	0.2476				
	A5	2986	0.2507	0.2495	0.2491	0.2486	0.2482	0.2478	0.2474	0.2472	0.2473	0.2472				
	A6	2992	0.2505	0.2493	0.2488	0.2485	0.2481	0.2475	0.2472	0.2470	0.2471	0.2470				
	A7	2965	0.2515	0.2504	0.2499	0.2496	0.2492	0.2487	0.2483	0.2481	0.2482	0.2481				
	A8	3026	0.2490	0.2480	0.2475	0.2471	0.2468	0.2460	0.2458	0.2456	0.2456	0.2455				
	A9	3083	0.2472	0.2460	0.2456	0.2452	0.2449	0.2443	0.2439	0.2438	0.2438	0.2437				
	A10	3048	0.2485	0.2473	0.2468	0.2465	0.2461	0.2454	0.2451	0.2449	0.2450	0.2448				
	A21	3055	0.2492	0.2481	0.2476	0.2473	0.2469	0.2463	0.2459	0.2458	0.2458	0.2457				
	A22	3026	0.2500	0.2489	0.2485	0.2481	0.2477	0.2471	0.2467	0.2466	0.2465	0.2465				
	A23	3032	0.2495	0.2483	0.2479	0.2475	0.2472	0.2465	0.2461	0.2459	0.2460	0.2459				
	A24	3043	0.2491	0.2480	0.2475	0.2471	0.2468	0.2462	0.2458	0.2457	0.2457	0.2456				
	A25	3043	0.2489	0.2478	0.2473	0.2470	0.2466	0.2460	0.2455	0.2454	0.2454	0.2453				
	A26	3104	0.2464	0.2453	0.2449	0.2445	0.2441	0.2435	0.2431	0.2430	0.2430	0.2429				
	A27	3032	0.2490	0.2479	0.2474	0.2471	0.2466	0.2460	0.2456	0.2454	0.2455	0.2454				
	A28	3056	0.2482	0.2472	0.2467	0.2464	0.2460	0.2453	0.2449	0.2447	0.2447	0.2446				
	A29	3020	0.2496	0.2484	0.2480	0.2477	0.2474	0.2465	0.2461	0.2460	0.2460	0.2459				
	A30	3002	0.2506	0.2491	0.2486	0.2482	0.2478	0.2472	0.2468	0.2468	0.2468	0.2467				
	A41	3081	0.2482	0.2471	0.2467	0.2462	0.2458	0.2452	0.2449	0.2448	0.2449	0.2448				
	A42	3049	0.2490	0.2479	0.2474	0.2469	0.2465	0.2460	0.2456	0.2456	0.2456	0.2455				
	A43	3082	0.2477	0.2466	0.2461	0.2456	0.2452	0.2447	0.2443	0.2443	0.2443	0.2442				
	A44	3009	0.2512	0.2501	0.2496	0.2491	0.2486	0.2481	0.2477	0.2476	0.2477	0.2476				
	A45	3116	0.2467	0.2456	0.2451	0.2447	0.2442	0.2437	0.2434	0.2433	0.2433	0.2432				
	ave	**3030**														
DATA SET 24: CCT = 3500K, T_J = 81C	A1	3588	0.2316	0.2303	0.2296	0.2291	0.2287	0.2273	0.2270	0.2266	0.2264	0.2263				
	A7	3621	0.2304	0.2291	0.2284	0.2279	0.2276	0.2271	0.2268	0.2267	0.2266	0.2265				
	A8	3613	0.2320	0.2306	0.2300	0.2295	0.2295	0.2286	0.2283	0.2282	0.2281	0.2280				
	A9	3562	0.2315	0.2301	0.2295	0.2290	0.2287	0.2280	0.2277	0.2275	0.2274	0.2273				
	A36	3558	0.2311	0.2298	0.2292	0.2286	0.2282	0.2278	0.2275	0.2274	0.2272	0.2271				
	A38	3665	0.2305	0.2292	0.2285	0.2280	0.2277	0.2273	0.2269	0.2268	0.2267	0.2266				
	A39	3655	0.2298	0.2285	0.2279	0.2273	0.2270	0.2265	0.2262	0.2261	0.2260	0.2259				
	A56	3687	0.2312	0.2299	0.2292	0.2287	0.2282	0.2278	0.2274	0.2274	0.2271	0.2271				
	A80	3661	0.2304	0.2289	0.2282	0.2276	0.2272	0.2268	0.2265	0.2264	0.2262	0.2261				
	B3	3450	0.2377	0.2363	0.2355	0.2348	0.2344	0.2342	0.2338	0.2336	0.2335	0.2333				
	B4	3360	0.2401	0.2387	0.2379	0.2373	0.2368	0.2365	0.2361	0.2359	0.2358	0.2356				
	B5	3310	0.2407	0.2392	0.2384	0.2378	0.2367	0.2363	0.2359	0.2357	0.2356	0.2354				
	B6	3372	0.2394	0.2379	0.2372	0.2366	0.2360	0.2356	0.2352	0.2350	0.2349	0.2347				
	B7	3345	0.2400	0.2386	0.2378	0.2373	0.2367	0.2363	0.2359	0.2356	0.2355	0.2353				
	B8	3376	0.2388	0.2375	0.2367	0.2363	0.2356	0.2352	0.2348	0.2346	0.2345	0.2343				
	B9	3305	0.2403	0.2389	0.2381	0.2379	0.2373	0.2369	0.2365	0.2363	0.2362	0.2360				
	B13	3340	0.2399	0.2387	0.2377	0.2371	0.2366	0.2362	0.2358	0.2356	0.2354	0.2353				
	B14	3368	0.2395	0.2384	0.2374	0.2368	0.2365	0.2361	0.2357	0.2354	0.2352	0.2351				
	B15	3443	0.2374	0.2363	0.2354	0.2347	0.2343	0.2338	0.2334	0.2333	0.2330	0.2329				
	B17	3352	0.2397	0.2386	0.2376	0.2370	0.2366	0.2361	0.2358	0.2356	0.2354	0.2353				
	B18	3341	0.2404	0.2392	0.2383	0.2377	0.2375	0.2370	0.2366	0.2364	0.2362	0.2361				
	B19	3358	0.2399	0.2387	0.2377	0.2375	0.2371	0.2367	0.2363	0.2360	0.2358	0.2357				
	B21	3667	0.2304	0.2291	0.2283	0.2277	0.2273	0.2270	0.2266	0.2266	0.2264	0.2263				
	B22	3672	0.2306	0.2293	0.2286	0.2280	0.2276	0.2273	0.2269	0.2268	0.2266	0.2266				
	B23	3409	0.2384	0.2371	0.2363	0.2357	0.2353	0.2348	0.2345	0.2344	0.2342	0.2340				
	ave	**3483**														

$T_S = T_{AIR} = 55°C$, $I_F = 0.7A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 6: CCT = 2650K, T_J = 74C	A11	2662	0.5310	0.5307	0.5307	0.5307	0.5307	0.5304	0.5300	0.5301	0.5300	0.5301				
	A12	2589	0.5272	0.5267	0.5267	0.5267	0.5266	0.5264	0.5261	0.5261	0.5261	0.5261				
	A13	2627	0.5304	0.5300	0.5300	0.5300	0.5299	0.5296	0.5293	0.5294	0.5293	0.5294				
	A14	2607	0.5314	0.5310	0.5309	0.5310	0.5309	0.5307	0.5304	0.5304	0.5304	0.5304				
	A15	2533	0.5287	0.5283	0.5282	0.5283	0.5282	0.5280	0.5278	0.5278	0.5278	0.5278				
	A16	2609	0.5285	0.5281	0.5281	0.5282	0.5282	0.5274	0.5272	0.5272	0.5272	0.5272				
	A17	2687	0.5269	0.5265	0.5265	0.5265	0.5264	0.5261	0.5257	0.5257	0.5257	0.5257				
	A18	2643	0.5266	0.5262	0.5262	0.5262	0.5260	0.5256	0.5253	0.5253	0.5252	0.5252				
	A19	2659	0.5301	0.5296	0.5296	0.5296	0.5296	0.5291	0.5289	0.5289	0.5289	0.5289				
	A20	2592	0.5289	0.5284	0.5284	0.5285	0.5284	0.5279	0.5277	0.5277	0.5277	0.5277				
	A31	2564	0.5292	0.5288	0.5288	0.5288	0.5287	0.5284	0.5281	0.5281	0.5281	0.5280				
	A32	2647	0.5291	0.5287	0.5287	0.5287	0.5286	0.5282	0.5279	0.5280	0.5279	0.5279				
	A33	2656	0.5292	0.5288	0.5289	0.5289	0.5288	0.5283	0.5280	0.5281	0.5281	0.5281				
	A34	2627	0.5292	0.5288	0.5288	0.5289	0.5288	0.5281	0.5278	0.5279	0.5279	0.5280				
	A35	2620	0.5281	0.5278	0.5277	0.5277	0.5276	0.5275	0.5273	0.5273	0.5273	0.5273				
	A36	2688	0.5304	0.5300	0.5300	0.5301	0.5300	0.5293	0.5291	0.5291	0.5291	0.5291				
	A37	2608	0.5301	0.5298	0.5298	0.5299	0.5298	0.5293	0.5290	0.5291	0.5290	0.5290				
	A38	2640	0.5308	0.5304	0.5304	0.5304	0.5303	0.5299	0.5297	0.5297	0.5296	0.5297				
	A39	2586	0.5289	0.5286	0.5286	0.5286	0.5285	0.5281	0.5278	0.5278	0.5278	0.5278				
	A40	2631	0.5303	0.5299	0.5299	0.5299	0.5299	0.5292	0.5290	0.5290	0.5290	0.5290				
	A51	2671	0.5277	0.5273	0.5273	0.5273	0.5272	0.5265	0.5262	0.5262	0.5261	0.5261				
	A52	2621	0.5263	0.5258	0.5258	0.5258	0.5256	0.5256	0.5254	0.5253	0.5253	0.5253				
	A53	2678	0.5281	0.5276	0.5276	0.5276	0.5275	0.5273	0.5270	0.5270	0.5270	0.5270				
	A54	2658	0.5271	0.5267	0.5266	0.5266	0.5265	0.5263	0.5261	0.5261	0.5261	0.5260				
	A55	2652	0.5222	0.5217	0.5217	0.5218	0.5217	0.5214	0.5211	0.5211	0.5210	0.5210				
	ave	**2630**														
DATA SET 15: CCT = 3000K, T_J = 74C	A1	2992	0.5223	0.5219	0.5219	0.5221	0.5221	0.5212	0.5208	0.5208	0.5209	0.5210				
	A2	3008	0.5218	0.5212	0.5212	0.5214	0.5212	0.5206	0.5202	0.5203	0.5203	0.5203				
	A3	2921	0.5233	0.5227	0.5228	0.5230	0.5228	0.5221	0.5218	0.5218	0.5219	0.5220				
	A4	2975	0.5231	0.5227	0.5227	0.5230	0.5228	0.5219	0.5216	0.5217	0.5217	0.5218				
	A5	2986	0.5233	0.5228	0.5228	0.5228	0.5228	0.5226	0.5222	0.5222	0.5223	0.5223				
	A6	2992	0.5230	0.5225	0.5226	0.5228	0.5227	0.5219	0.5217	0.5218	0.5218	0.5218				
	A7	2965	0.5231	0.5227	0.5227	0.5228	0.5228	0.5222	0.5219	0.5219	0.5220	0.5219				
	A8	3026	0.5233	0.5229	0.5230	0.5232	0.5231	0.5221	0.5218	0.5218	0.5219	0.5219				
	A9	3083	0.5219	0.5215	0.5216	0.5218	0.5218	0.5208	0.5203	0.5203	0.5204	0.5204				
	A10	3048	0.5221	0.5216	0.5217	0.5220	0.5220	0.5208	0.5205	0.5205	0.5206	0.5206				
	A21	3055	0.5184	0.5178	0.5179	0.5180	0.5179	0.5170	0.5166	0.5167	0.5166	0.5167				
	A22	3026	0.5194	0.5188	0.5189	0.5190	0.5189	0.5180	0.5176	0.5177	0.5176	0.5176				
	A23	3032	0.5207	0.5202	0.5203	0.5205	0.5203	0.5193	0.5190	0.5190	0.5190	0.5191				
	A24	3043	0.5205	0.5199	0.5199	0.5200	0.5199	0.5192	0.5189	0.5190	0.5190	0.5190				
	A25	3043	0.5211	0.5206	0.5207	0.5209	0.5206	0.5198	0.5195	0.5196	0.5195	0.5196				
	A26	3104	0.5214	0.5209	0.5210	0.5212	0.5210	0.5199	0.5197	0.5198	0.5197	0.5197				
	A27	3032	0.5224	0.5219	0.5220	0.5221	0.5219	0.5211	0.5207	0.5208	0.5208	0.5208				
	A28	3056	0.5217	0.5212	0.5212	0.5213	0.5211	0.5205	0.5201	0.5202	0.5201	0.5201				
	A29	3020	0.5222	0.5217	0.5218	0.5219	0.5218	0.5209	0.5207	0.5208	0.5207	0.5207				
	A30	3002	0.5210	0.5204	0.5204	0.5205	0.5204	0.5196	0.5193	0.5193	0.5194	0.5194				
	A41	3081	0.5181	0.5175	0.5175	0.5176	0.5174	0.5165	0.5162	0.5163	0.5162	0.5163				
	A42	3049	0.5198	0.5192	0.5192	0.5194	0.5191	0.5181	0.5178	0.5179	0.5178	0.5180				
	A43	3082	0.5199	0.5192	0.5191	0.5190	0.5187	0.5178	0.5175	0.5175	0.5175	0.5176				
	A44	3009	0.5174	0.5167	0.5165	0.5165	0.5161	0.5151	0.5148	0.5149	0.5148	0.5150				
	A45	3116	0.5188	0.5181	0.5182	0.5183	0.5178	0.5169	0.5167	0.5168	0.5167	0.5168				
	ave	**3030**														
DATA SET 24: CCT = 3500K, T_J = 81C	A1	3588	0.5148	0.5147	0.5145	0.5144	0.5139	0.5125	0.5123	0.5120	0.5118	0.5119				
	A7	3621	0.5153	0.5152	0.5150	0.5149	0.5146	0.5145	0.5143	0.5143	0.5142	0.5142				
	A8	3613	0.5118	0.5117	0.5115	0.5114	0.5113	0.5110	0.5109	0.5109	0.5109	0.5109				
	A9	3562	0.5174	0.5172	0.5171	0.5171	0.5169	0.5165	0.5164	0.5164	0.5163	0.5163				
	A36	3558	0.5188	0.5187	0.5185	0.5184	0.5182	0.5181	0.5179	0.5179	0.5178	0.5179				
	A38	3665	0.5114	0.5113	0.5111	0.5110	0.5107	0.5106	0.5103	0.5103	0.5102	0.5102				
	A39	3655	0.5140	0.5138	0.5136	0.5135	0.5132	0.5131	0.5129	0.5129	0.5127	0.5128				
	A56	3687	0.5080	0.5078	0.5076	0.5076	0.5071	0.5070	0.5068	0.5067	0.5066	0.5067				
	A80	3661	0.5121	0.5119	0.5116	0.5115	0.5111	0.5112	0.5110	0.5109	0.5108	0.5107				
	B3	3450	0.5104	0.5099	0.5097	0.5096	0.5094	0.5095	0.5093	0.5092	0.5092	0.5092				
	B4	3360	0.5118	0.5114	0.5112	0.5111	0.5109	0.5109	0.5107	0.5107	0.5107	0.5107				
	B5	3310	0.5153	0.5149	0.5147	0.5146	0.5137	0.5137	0.5135	0.5134	0.5134	0.5134				
	B6	3372	0.5129	0.5125	0.5124	0.5124	0.5120	0.5119	0.5117	0.5117	0.5116	0.5116				
	B7	3345	0.5137	0.5132	0.5131	0.5132	0.5128	0.5127	0.5125	0.5124	0.5123	0.5123				
	B8	3376	0.5141	0.5136	0.5135	0.5136	0.5131	0.5131	0.5129	0.5127	0.5127	0.5127				
	B9	3305	0.5169	0.5165	0.5163	0.5168	0.5164	0.5163	0.5161	0.5160	0.5161	0.5160				
	B13	3340	0.5147	0.5144	0.5143	0.5142	0.5141	0.5139	0.5138	0.5137	0.5137	0.5137				
	B14	3368	0.5128	0.5125	0.5123	0.5123	0.5124	0.5122	0.5120	0.5118	0.5117	0.5118				
	B15	3443	0.5118	0.5114	0.5113	0.5113	0.5111	0.5109	0.5107	0.5105	0.5104	0.5104				
	B17	3352	0.5139	0.5136	0.5135	0.5134	0.5132	0.5132	0.5130	0.5129	0.5128	0.5128				
	B18	3341	0.5127	0.5125	0.5123	0.5124	0.5124	0.5122	0.5121	0.5119	0.5118	0.5119				
	B19	3358	0.5127	0.5123	0.5122	0.5126	0.5125	0.5124	0.5122	0.5120	0.5120	0.5120				
	B21	3667	0.5115	0.5111	0.5110	0.5108	0.5106	0.5105	0.5104	0.5102	0.5102	0.5102				
	B22	3672	0.5105	0.5101	0.5100	0.5099	0.5097	0.5095	0.5093	0.5092	0.5091	0.5092				
	B23	3409	0.5121	0.5116	0.5115	0.5115	0.5114	0.5112	0.5110	0.5110	0.5109	0.5109				
	ave	**3483**														

$T_S = T_{AIR} = 55°C$, $I_F = 0.7A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 6: CCT = 2650K, T_J = 74C	A11	2662	0.0000	0.0015	0.0022	0.0029	0.0034	0.0041	0.0048	0.0050	0.0050	0.0050				
	A12	2589	0.0000	0.0018	0.0025	0.0031	0.0038	0.0045	0.0050	0.0051	0.0051	0.0051				
	A13	2627	0.0000	0.0016	0.0023	0.0030	0.0035	0.0043	0.0049	0.0050	0.0050	0.0051				
	A14	2607	0.0000	0.0016	0.0024	0.0030	0.0036	0.0043	0.0048	0.0050	0.0049	0.0050				
	A15	2533	0.0000	0.0017	0.0025	0.0033	0.0039	0.0046	0.0050	0.0051	0.0050	0.0051				
	A16	2609	0.0000	0.0017	0.0024	0.0031	0.0036	0.0046	0.0051	0.0053	0.0051	0.0052				
	A17	2687	0.0000	0.0016	0.0023	0.0030	0.0036	0.0043	0.0049	0.0050	0.0050	0.0051				
	A18	2643	0.0000	0.0016	0.0023	0.0030	0.0036	0.0044	0.0050	0.0052	0.0051	0.0051				
	A19	2659	0.0000	0.0017	0.0024	0.0030	0.0035	0.0043	0.0049	0.0050	0.0049	0.0050				
	A20	2592	0.0000	0.0017	0.0025	0.0030	0.0036	0.0044	0.0049	0.0050	0.0049	0.0049				
	A31	2564	0.0000	0.0016	0.0023	0.0030	0.0036	0.0044	0.0050	0.0051	0.0050	0.0052				
	A32	2647	0.0000	0.0016	0.0024	0.0030	0.0036	0.0044	0.0049	0.0050	0.0049	0.0050				
	A33	2656	0.0000	0.0016	0.0023	0.0029	0.0035	0.0043	0.0049	0.0049	0.0048	0.0049				
	A34	2627	0.0000	0.0016	0.0022	0.0029	0.0035	0.0044	0.0049	0.0051	0.0050	0.0050				
	A35	2620	0.0000	0.0016	0.0024	0.0031	0.0037	0.0043	0.0047	0.0048	0.0048	0.0048				
	A36	2688	0.0000	0.0016	0.0023	0.0029	0.0035	0.0044	0.0050	0.0052	0.0051	0.0052				
	A37	2608	0.0000	0.0017	0.0022	0.0028	0.0035	0.0047	0.0052	0.0053	0.0053	0.0053				
	A38	2640	0.0000	0.0017	0.0024	0.0031	0.0037	0.0045	0.0050	0.0051	0.0050	0.0051				
	A39	2586	0.0000	0.0017	0.0023	0.0029	0.0035	0.0046	0.0052	0.0052	0.0052	0.0052				
	A40	2631	0.0000	0.0017	0.0025	0.0031	0.0037	0.0046	0.0052	0.0054	0.0053	0.0054				
	A51	2671	0.0000	0.0016	0.0024	0.0031	0.0037	0.0047	0.0051	0.0053	0.0052	0.0053				
	A52	2621	0.0000	0.0018	0.0025	0.0031	0.0038	0.0044	0.0047	0.0049	0.0048	0.0050				
	A53	2678	0.0000	0.0017	0.0024	0.0030	0.0036	0.0043	0.0047	0.0048	0.0048	0.0049				
	A54	2658	0.0000	0.0016	0.0024	0.0030	0.0036	0.0043	0.0047	0.0048	0.0048	0.0051				
	A55	2652	0.0000	0.0018	0.0025	0.0031	0.0037	0.0044	0.0048	0.0050	0.0049	0.0051				
	ave	**2630**	**0.0000**	**0.0017**	**0.0024**	**0.0030**	**0.0036**	**0.0044**	**0.0049**	**0.0051**	**0.0050**	**0.0051**				
DATA SET 15: CCT = 3000K, T_J = 74C	A1	2992	0.0000	0.0012	0.0017	0.0020	0.0024	0.0032	0.0037	0.0039	0.0038	0.0039				
	A2	3008	0.0000	0.0013	0.0017	0.0019	0.0025	0.0031	0.0037	0.0038	0.0037	0.0038				
	A3	2921	0.0000	0.0013	0.0017	0.0020	0.0025	0.0033	0.0037	0.0039	0.0038	0.0038				
	A4	2975	0.0000	0.0012	0.0016	0.0019	0.0024	0.0032	0.0036	0.0038	0.0037	0.0037				
	A5	2986	0.0000	0.0013	0.0017	0.0022	0.0025	0.0030	0.0035	0.0037	0.0035	0.0036				
	A6	2992	0.0000	0.0013	0.0017	0.0020	0.0024	0.0032	0.0035	0.0037	0.0036	0.0037				
	A7	2965	0.0000	0.0012	0.0016	0.0019	0.0023	0.0029	0.0034	0.0036	0.0035	0.0036				
	A8	3026	0.0000	0.0011	0.0015	0.0019	0.0022	0.0032	0.0035	0.0037	0.0037	0.0038				
	A9	3083	0.0000	0.0013	0.0016	0.0020	0.0023	0.0031	0.0037	0.0038	0.0037	0.0038				
	A10	3048	0.0000	0.0013	0.0017	0.0020	0.0024	0.0034	0.0038	0.0039	0.0038	0.0040				
	A21	3055	0.0000	0.0013	0.0017	0.0019	0.0024	0.0032	0.0038	0.0038	0.0038	0.0039				
	A22	3026	0.0000	0.0013	0.0016	0.0019	0.0024	0.0032	0.0038	0.0038	0.0039	0.0039				
	A23	3032	0.0000	0.0013	0.0016	0.0020	0.0023	0.0033	0.0038	0.0040	0.0039	0.0039				
	A24	3043	0.0000	0.0013	0.0017	0.0021	0.0024	0.0032	0.0037	0.0037	0.0037	0.0038				
	A25	3043	0.0000	0.0012	0.0016	0.0019	0.0024	0.0032	0.0038	0.0038	0.0038	0.0039				
	A26	3104	0.0000	0.0012	0.0016	0.0019	0.0023	0.0033	0.0037	0.0038	0.0038	0.0039				
	A27	3032	0.0000	0.0012	0.0016	0.0019	0.0025	0.0033	0.0038	0.0039	0.0038	0.0039				
	A28	3056	0.0000	0.0011	0.0016	0.0018	0.0023	0.0031	0.0037	0.0038	0.0038	0.0039				
	A29	3020	0.0000	0.0013	0.0016	0.0019	0.0022	0.0034	0.0038	0.0039	0.0039	0.0040				
	A30	3002	0.0000	0.0016	0.0021	0.0025	0.0029	0.0037	0.0042	0.0042	0.0041	0.0042				
	A41	3081	0.0000	0.0013	0.0016	0.0021	0.0025	0.0034	0.0038	0.0038	0.0038	0.0038				
	A42	3049	0.0000	0.0013	0.0017	0.0021	0.0026	0.0034	0.0039	0.0039	0.0039	0.0039				
	A43	3082	0.0000	0.0013	0.0018	0.0023	0.0028	0.0037	0.0042	0.0042	0.0042	0.0042				
	A44	3009	0.0000	0.0013	0.0018	0.0023	0.0029	0.0039	0.0044	0.0044	0.0044	0.0043				
	A45	3116	0.0000	0.0013	0.0017	0.0021	0.0027	0.0036	0.0039	0.0039	0.0040	0.0040				
	ave	**3030**	**0.0000**	**0.0013**	**0.0017**	**0.0020**	**0.0025**	**0.0033**	**0.0038**	**0.0039**	**0.0038**	**0.0039**				
DATA SET 24: CCT = 3500K, T_J = 81C	A1	3588	0.0000	0.0013	0.0020	0.0025	0.0030	0.0049	0.0052	0.0057	0.0060	0.0060				
	A7	3621	0.0000	0.0013	0.0020	0.0025	0.0029	0.0034	0.0037	0.0038	0.0040	0.0041				
	A8	3613	0.0000	0.0014	0.0020	0.0025	0.0025	0.0035	0.0038	0.0039	0.0040	0.0041				
	A9	3562	0.0000	0.0014	0.0020	0.0025	0.0028	0.0036	0.0039	0.0041	0.0042	0.0043				
	A36	3558	0.0000	0.0013	0.0019	0.0025	0.0030	0.0034	0.0037	0.0038	0.0040	0.0041				
	A38	3665	0.0000	0.0013	0.0020	0.0025	0.0029	0.0033	0.0038	0.0039	0.0040	0.0041				
	A39	3655	0.0000	0.0013	0.0019	0.0025	0.0029	0.0034	0.0038	0.0039	0.0040	0.0041				
	A56	3687	0.0000	0.0013	0.0020	0.0025	0.0031	0.0035	0.0040	0.0040	0.0043	0.0043				
	A80	3661	0.0000	0.0015	0.0023	0.0029	0.0034	0.0037	0.0041	0.0042	0.0044	0.0045				
	B3	3450	0.0000	0.0015	0.0023	0.0030	0.0034	0.0036	0.0041	0.0043	0.0044	0.0046				
	B4	3360	0.0000	0.0015	0.0023	0.0029	0.0034	0.0037	0.0041	0.0043	0.0044	0.0046				
	B5	3310	0.0000	0.0016	0.0024	0.0030	0.0043	0.0047	0.0051	0.0053	0.0054	0.0056				
	B6	3372	0.0000	0.0016	0.0023	0.0028	0.0035	0.0039	0.0044	0.0046	0.0047	0.0049				
	B7	3345	0.0000	0.0015	0.0023	0.0027	0.0034	0.0038	0.0043	0.0046	0.0047	0.0049				
	B8	3376	0.0000	0.0014	0.0022	0.0025	0.0034	0.0037	0.0042	0.0044	0.0045	0.0047				
	B9	3305	0.0000	0.0015	0.0023	0.0024	0.0030	0.0035	0.0039	0.0041	0.0042	0.0044				
	B13	3340	0.0000	0.0012	0.0022	0.0028	0.0034	0.0038	0.0042	0.0044	0.0046	0.0047				
	B14	3368	0.0000	0.0011	0.0022	0.0027	0.0030	0.0035	0.0039	0.0042	0.0044	0.0045				
	B15	3443	0.0000	0.0012	0.0021	0.0027	0.0032	0.0037	0.0041	0.0043	0.0046	0.0047				
	B17	3352	0.0000	0.0011	0.0021	0.0027	0.0032	0.0037	0.0040	0.0042	0.0044	0.0045				
	B18	3341	0.0000	0.0012	0.0021	0.0027	0.0029	0.0034	0.0038	0.0041	0.0043	0.0044				
	B19	3358	0.0000	0.0013	0.0023	0.0024	0.0028	0.0032	0.0036	0.0040	0.0042	0.0043				
	B21	3667	0.0000	0.0014	0.0022	0.0028	0.0032	0.0035	0.0040	0.0040	0.0042	0.0043				
	B22	3672	0.0000	0.0014	0.0021	0.0027	0.0031	0.0034	0.0039	0.0040	0.0042	0.0042				
	B23	3409	0.0000	0.0014	0.0022	0.0028	0.0032	0.0037	0.0041	0.0041	0.0044	0.0046				
	ave	**3483**	**0.0000**	**0.0014**	**0.0021**	**0.0027**	**0.0032**	**0.0037**	**0.0041**	**0.0043**	**0.0044**	**0.0045**				

$T_S = T_{AIR} = 55°C$, $I_F = 0.7A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 6: CCT = 2650K, T_J = 74C	A11	2662	3.205	3.203	3.198	3.191	3.186	3.183	3.184	3.185	3.190	3.188				
	A12	2589	3.104	3.103	3.096	3.092	3.091	3.088	3.088	3.088	3.091	3.089				
	A13	2627	3.180	3.176	3.169	3.165	3.158	3.158	3.156	3.158	3.162	3.161				
	A14	2607	3.241	3.240	3.235	3.228	3.224	3.219	3.217	3.217	3.220	3.216				
	A15	2533	3.078	3.074	3.070	3.067	3.064	3.060	3.059	3.061	3.064	3.063				
	A16	2609	3.197	3.191	3.188	3.183	3.179	3.176	3.174	3.173	3.177	3.175				
	A17	2687	3.242	3.239	3.234	3.228	3.222	3.221	3.221	3.221	3.227	3.226				
	A18	2643	3.226	3.216	3.208	3.202	3.192	3.184	3.181	3.179	3.181	3.177				
	A19	2659	3.112	3.111	3.105	3.100	3.095	3.093	3.095	3.094	3.098	3.096				
	A20	2592	3.206	3.199	3.196	3.190	3.183	3.179	3.177	3.178	3.182	3.178				
	A31	2564	3.209	3.204	3.201	3.196	3.192	3.189	3.190	3.188	3.192	3.190				
	A32	2647	3.183	3.180	3.177	3.172	3.167	3.165	3.163	3.165	3.170	3.167				
	A33	2656	3.125	3.118	3.113	3.110	3.106	3.104	3.103	3.105	3.108	3.106				
	A34	2627	3.143	3.142	3.136	3.132	3.127	3.127	3.127	3.127	3.130	3.129				
	A35	2620	3.171	3.170	3.167	3.161	3.156	3.153	3.153	3.154	3.157	3.157				
	A36	2688	3.184	3.180	3.175	3.169	3.163	3.163	3.163	3.164	3.169	3.167				
	A37	2608	3.120	3.117	3.114	3.108	3.104	3.104	3.103	3.104	3.108	3.106				
	A38	2640	3.124	3.122	3.116	3.112	3.108	3.105	3.105	3.106	3.110	3.109				
	A39	2586	3.233	3.223	3.217	3.209	3.200	3.194	3.189	3.189	3.190	3.188				
	A40	2631	3.258	3.253	3.249	3.240	3.236	3.236	3.235	3.237	3.242	3.240				
	A51	2671	3.170	3.162	3.160	3.155	3.150	3.149	3.149	3.152	3.156	3.156				
	A52	2621	3.120	3.109	3.106	3.102	3.099	3.100	3.100	3.106	3.110	3.111				
	A53	2678	3.228	3.213	3.208	3.207	3.203	3.204	3.206	3.213	3.219	3.221				
	A54	2658	3.170	3.164	3.158	3.153	3.149	3.148	3.148	3.154	3.158	3.163				
	A55	2652	3.291	3.277	3.274	3.270	3.265	3.267	3.269	3.275	3.284	3.287				
	ave	**2630**	**3.181**													
DATA SET 15: CCT = 3000K, T_J = 74C	A1	2992	3.166	3.157	3.152	3.148	3.142	3.140	3.141	3.144	3.151	3.152				
	A2	3008	3.300	3.264	3.242	3.228	3.214	3.209	3.209	3.215	3.220	3.222				
	A3	2921	3.204	3.192	3.189	3.183	3.179	3.178	3.178	3.178	3.188	3.189				
	A4	2975	3.251	3.239	3.236	3.229	3.224	3.225	3.225	3.229	3.236	3.238				
	A5	2986	3.135	3.126	3.121	3.118	3.113	3.113	3.114	3.116	3.121	3.119				
	A6	2992	3.138	3.132	3.127	3.124	3.122	3.123	3.122	3.128	3.138	3.137				
	A7	2965	3.141	3.135	3.130	3.126	3.125	3.126	3.129	3.134	3.144	3.149				
	A8	3026	3.133	3.126	3.120	3.116	3.110	3.113	3.114	3.115	3.123	3.121				
	A9	3083	3.157	3.150	3.147	3.142	3.139	3.138	3.141	3.143	3.149	3.151				
	A10	3048	3.209	3.200	3.194	3.187	3.183	3.181	3.183	3.187	3.193	3.192				
	A21	3055	3.127	3.117	3.111	3.108	3.105	3.107	3.108	3.113	3.120	3.121				
	A22	3026	3.125	3.114	3.111	3.109	3.106	3.105	3.108	3.110	3.117	3.115				
	A23	3032	3.264	3.252	3.236	3.220	3.207	3.199	3.195	3.194	3.196	3.193				
	A24	3043	3.300	3.270	3.260	3.251	3.245	3.241	3.242	3.247	3.252	3.253				
	A25	3043	3.186	3.176	3.170	3.166	3.162	3.161	3.163	3.165	3.172	3.173				
	A26	3104	3.261	3.249	3.245	3.238	3.234	3.233	3.235	3.239	3.246	3.247				
	A27	3032	3.227	3.216	3.212	3.206	3.202	3.203	3.203	3.207	3.217	3.219				
	A28	3056	3.150	3.140	3.140	3.136	3.133	3.135	3.139	3.148	3.157	3.165				
	A29	3020	3.102	3.095	3.091	3.088	3.085	3.087	3.086	3.090	3.095	3.098				
	A30	3002	3.333	3.306	3.265	3.237	3.219	3.208	3.201	3.201	3.202	3.200				
	A41	3081	3.246	3.213	3.198	3.188	3.180	3.175	3.175	3.179	3.181	3.183				
	A42	3049	3.171	3.158	3.153	3.148	3.141	3.142	3.145	3.148	3.153	3.155				
	A43	3082	3.167	3.151	3.143	3.137	3.132	3.131	3.131	3.136	3.140	3.142				
	A44	3009	3.272	3.216	3.195	3.185	3.174	3.171	3.168	3.172	3.174	3.174				
	A45	3116	3.257	3.247	3.242	3.236	3.233	3.232	3.235	3.242	3.252	3.256				
	ave	**3030**	**3.201**													
DATA SET 24: CCT = 3500K, T_J = 81C	A1	3588	3.172	3.190	3.168	3.158	3.140	3.139	3.135	3.135	3.133	3.134				
	A7	3621	3.102	3.118	3.095	3.086	3.071	3.069	3.064	3.065	3.059	3.061				
	A8	3613	3.264	3.238	3.199	3.183	3.164	3.161	3.152	3.153	3.151	3.151				
	A9	3562	3.106	3.116	3.100	3.096	3.082	3.083	3.076	3.078	3.075	3.075				
	A36	3558	3.188	3.200	3.174	3.159	3.140	3.132	3.123	3.121	3.117	3.117				
	A38	3665	3.197	3.230	3.180	3.159	3.140	3.135	3.127	3.127	3.123	3.123				
	A39	3655	3.267	3.261	3.218	3.193	3.170	3.161	3.150	3.148	3.141	3.142				
	A56	3687	3.107	3.120	3.099	3.089	3.077	3.076	3.071	3.069	3.068	3.071				
	A80	3661	3.215	3.212	3.192	3.186	3.173	3.173	3.168	3.167	3.165	3.164				
	B3	3450	3.081	3.070	3.063	3.063	3.060	3.055	3.055	3.051	3.052	3.052				
	B4	3360	3.101	3.092	3.084	3.084	3.080	3.077	3.074	3.070	3.070	3.072				
	B5	3310	3.119	3.109	3.106	3.103	3.100	3.096	3.096	3.091	3.092	3.092				
	B6	3372	3.094	3.086	3.080	3.080	3.078	3.071	3.071	3.067	3.067	3.068				
	B7	3345	3.118	3.107	3.102	3.101	3.098	3.091	3.090	3.085	3.087	3.086				
	B8	3376	3.075	3.070	3.060	3.060	3.057	3.052	3.051	3.047	3.048	3.049				
	B9	3305	3.102	3.092	3.084	3.086	3.082	3.078	3.075	3.072	3.070	3.072				
	B13	3340	3.125	3.118	3.110	3.110	3.108	3.103	3.100	3.097	3.097	3.097				
	B14	3368	3.114	3.107	3.098	3.098	3.095	3.089	3.088	3.086	3.086	3.085				
	B15	3443	3.069	3.063	3.055	3.055	3.051	3.047	3.045	3.043	3.044	3.044				
	B17	3352	3.093	3.089	3.081	3.080	3.078	3.073	3.070	3.068	3.068	3.069				
	B18	3341	3.090	3.087	3.076	3.075	3.071	3.067	3.064	3.064	3.060	3.061				
	B19	3358	3.116	3.108	3.101	3.100	3.096	3.091	3.089	3.086	3.085	3.085				
	B21	3667	3.165	3.155	3.142	3.138	3.133	3.127	3.124	3.121	3.121	3.122				
	B22	3672	3.138	3.128	3.111	3.107	3.102	3.094	3.090	3.089	3.087	3.088				
	B23	3409	3.086	3.079	3.070	3.069	3.065	3.060	3.057	3.056	3.055	3.055				
	ave	**3483**	**3.132**													

$T_S = T_{AIR} = 55°C, I_F = 0.7A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	% at 6khours
DATA SET 30: CCT = 4000K, T_J = 81C	A10	3942	129.975	130.204	131.002	130.654	130.879	131.216	131.401	132.067	131.132	130.567					**100.5**
	A11	4035	127.590	127.262	128.267	127.994	128.925	127.705	127.837	128.556	127.892	127.287					**99.8**
	A16	4008	128.889	128.672	129.027	128.341	128.285	126.873	127.069	127.882	126.913	126.203					**97.9**
	A19	3856	130.275	129.944	130.368	129.632	129.611	128.275	127.969	129.218	128.383	127.691					**98.0**
	A26	3909	126.701	126.200	126.997	126.678	126.449	125.008	125.190	125.563	124.956	124.263					**98.1**
	A27	3858	125.042	124.408	124.623	124.253	123.752	121.738	121.821	122.403	122.125	121.478					**97.1**
	A30	4069	130.308	129.919	130.986	130.888	130.236	129.136	129.489	130.193	129.536	129.233					**99.2**
	A31	3969	128.279	128.138	129.180	128.974	128.764	127.675	127.869	128.323	127.697	127.134					**99.1**
	A40	3939	132.874	132.789	133.970	133.740	134.089	132.711	133.008	133.427	132.692	132.343					**99.6**
	A41	4101	126.994	126.830	127.652	127.419	127.213	125.614	125.916	127.112	126.278	125.726					**99.0**
	A47	3859	121.053	119.669	121.041	120.488	120.267	119.054	119.248	119.960	119.039	118.724					**98.1**
	A59	3885	114.870	112.565	112.604	112.076	112.184	110.906	110.803	111.504	110.360	110.011					**95.8**
	A60	4029	130.669	130.665	132.152	132.104	130.838	129.419	129.629	130.545	129.733	129.684					**99.2**
	A61	4015	130.815	130.676	131.187	130.928	133.844	132.142	132.367	132.731	131.635	131.390					**100.4**
	A71	3988	131.181	130.921	131.965	131.775	132.486	131.058	131.174	131.798	130.887	130.473					**99.5**
	A78	3866	125.187	125.188	126.202	126.255	125.745	123.900	124.493	124.913	124.122	124.188					**99.2**
	A79	3890	126.791	126.692	127.482	127.429	127.358	125.422	125.844	126.278	125.486	125.355					**98.9**
	B1	3912	131.743	131.092	132.559	132.401	132.663	131.257	131.359	131.953	130.996	130.850					**99.3**
	B2	3875	130.180	129.490	130.997	130.777	131.045	130.052	129.556	130.229	129.288	129.456					**99.4**
	B11	3979	128.045	127.409	128.571	128.450	128.601	126.891	127.153	127.227	126.939	126.638					**98.9**
	B12	4026	127.609	127.050	128.197	128.022	128.149	126.727	126.950	127.662	126.770	126.445					**99.1**
	B31	3879	132.220	131.779	133.072	132.973	133.125	131.319	131.835	132.448	131.490	131.242					**99.3**
	B32	3904	132.002	131.539	132.800	132.646	132.917	131.082	131.705	132.328	131.463	131.182					**99.4**
	B61	3956	125.436	124.741	125.909	125.810	128.421	126.824	127.263	128.023	126.915	126.715					**101.0**
	B62	4003	130.657	130.293	131.703	131.554	133.260	131.641	132.093	132.709	131.824	131.411					**100.6**
	ave	**3950**															**99.1**
DATA SET 36: CCT > 5000K, T_J = 82C	B1	6069	93.701	95.532	95.523	95.568	95.118	93.665	93.389	93.366	92.659	92.759	91.130	92.951	91.949		**99.0**
	B2	6484	90.310	90.484	90.259	90.303	89.851	88.413	88.211	87.799	87.024	86.947	86.266	87.210	86.086		**96.3**
	B3	6432	89.219	89.340	89.068	89.165	88.661	87.113	86.780	86.411	85.690	85.827	83.820	85.539	84.826		**96.2**
	B5	6067	90.745	90.823	90.678	90.689	90.130	88.445	88.023	87.843	87.526	87.595	87.199	87.810	86.969		**96.5**
	B6	5875	107.093	108.008	108.076	108.292	107.882	106.635	107.019	106.646	106.349	106.325	105.463	106.072	105.302		**99.3**
	B8	6023	106.127	105.988	106.269	106.471	106.080	104.544	104.742	104.446	104.110	104.130	102.598	102.973	102.571		**98.1**
	B9	6108	105.747	106.276	106.399	106.693	106.250	104.797	104.667	104.700	104.401	104.344	103.480	104.225	103.885		**98.7**
	B10	6034	106.851	107.532	107.765	108.052	104.119	106.043	106.126	105.785	105.594	105.642	104.876	105.142	104.704		**98.9**
	B11	6336	99.253	101.719	102.085	102.380	101.907	101.062	100.554	99.838	99.108	98.864	98.075	98.220	97.536		**99.6**
	B12	6196	101.627	102.524	102.810	103.044	102.536	101.596	101.433	100.670	100.200	100.001	97.853	99.349	98.754		**98.4**
	B13	6264	103.210	104.014	104.235	104.503	103.968	102.998	102.761	102.122	101.772	101.585	100.978	101.205	100.555		**98.4**
	B14	6490	101.315	102.107	102.126	102.379	101.692	100.448	99.838	99.195	98.878	98.713	96.967	98.578	98.124		**97.4**
	B15	6330	103.005	103.550	103.372	103.559	102.749	101.310	100.658	99.941	99.623	99.378	97.350	99.412	98.593		**96.5**
	B16	5914	113.868	115.728	116.062	116.198	115.706	111.660	110.871	109.674	108.851	108.699	107.556	109.014	107.579		**95.5**
	B17	6084	108.125	108.348	108.613	108.691	108.184	106.246	105.772	104.857	104.025	103.793	101.970	103.675	102.699		**96.0**
	B18	5902	109.949	110.224	110.481	110.569	110.005	108.032	106.597	106.194	105.830	105.437	103.414	105.587	104.213		**95.9**
	B20	5660	112.848	113.081	113.483	113.610	113.096	111.304	110.828	110.477	109.803	109.470	108.960	109.206	107.964		**97.0**
	B23	6195	120.498	119.925	119.667	119.606	118.862	117.398	116.812	116.291	115.711	115.419	113.884	115.217	114.340		**95.8**
	B25	6166	106.729	106.634	106.336	106.422	105.641	104.128	103.501	103.047	102.616	102.342	102.576	103.237	102.611		**95.9**
	B37	6490	84.307	84.152	84.133	84.052	83.475	81.374	80.450	79.815	79.463	79.320	78.438	79.387	78.610		**94.1**
	B38	6149	111.461	111.319	111.035	111.006	110.189	108.157	107.481	106.160	105.683	105.858	105.398	105.834	105.122		**95.0**
	B39	5918	112.624	112.630	112.369	112.392	111.540	109.241	108.043	107.251	106.913	106.630	105.014	106.337	105.484		**94.7**
	B40	5999	113.025	112.965	112.754	112.705	111.938	109.696	108.590	107.876	107.622	107.372	106.367	107.168	106.584		**95.0**
	A41	5892	108.185	108.595	108.861	109.152	108.606	107.013	106.357	106.110	105.719	103.813	99.383	105.055	103.862		**96.0**
	A42	5695	109.651	110.451	110.752	111.012	110.510	109.064	108.651	108.210	107.879	107.059	107.041	107.007	106.366		**97.6**
	ave	**6111**															**96.9**

$T_S = T_{AIR} = 55°C, I_F = 0.7A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

			Normalized flux													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 30: CCT = 4000K, T_J = 81C	A10	3942	1.0000	1.0018	1.0079	1.0052	1.0070	1.0096	1.0110	1.0161	1.0089	1.0046				
	A11	4035	1.0000	0.9974	1.0053	1.0032	1.0105	1.0009	1.0019	1.0076	1.0024	0.9976				
	A16	4008	1.0000	0.9983	1.0011	0.9958	0.9953	0.9844	0.9859	0.9922	0.9847	0.9792				
	A19	3856	1.0000	0.9975	1.0007	0.9951	0.9949	0.9846	0.9823	0.9919	0.9855	0.9802				
	A26	3909	1.0000	0.9960	1.0023	0.9998	0.9980	0.9866	0.9881	0.9910	0.9862	0.9808				
	A27	3858	1.0000	0.9949	0.9966	0.9937	0.9897	0.9736	0.9742	0.9789	0.9767	0.9715				
	A30	4069	1.0000	0.9970	1.0052	1.0045	0.9994	0.9910	0.9937	0.9991	0.9941	0.9917				
	A31	3969	1.0000	0.9989	1.0070	1.0054	1.0038	0.9953	0.9968	1.0003	0.9955	0.9911				
	A40	3939	1.0000	0.9994	1.0082	1.0065	1.0091	0.9988	1.0010	1.0042	0.9986	0.9960				
	A41	4101	1.0000	0.9987	1.0052	1.0033	1.0017	0.9891	0.9915	1.0009	0.9944	0.9900				
	A47	3859	1.0000	0.9886	0.9999	0.9953	0.9935	0.9835	0.9851	0.9910	0.9834	0.9808				
	A59	3885	1.0000	0.9799	0.9803	0.9757	0.9766	0.9655	0.9646	0.9707	0.9607	0.9577				
	A60	4029	1.0000	1.0000	1.0114	1.0110	1.0013	0.9904	0.9920	0.9990	0.9928	0.9925				
	A61	4015	1.0000	0.9989	1.0028	1.0009	1.0232	1.0101	1.0119	1.0146	1.0063	1.0044				
	A71	3988	1.0000	0.9980	1.0060	1.0045	1.0099	0.9991	0.9999	1.0047	0.9978	0.9946				
	A78	3866	1.0000	1.0000	1.0081	1.0085	1.0045	0.9897	0.9945	0.9978	0.9915	0.9920				
	A79	3890	1.0000	0.9992	1.0054	1.0050	1.0045	0.9892	0.9925	0.9960	0.9897	0.9887				
	B1	3912	1.0000	0.9951	1.0062	1.0050	1.0070	0.9963	0.9971	1.0016	0.9943	0.9932				
	B2	3875	1.0000	0.9947	1.0063	1.0046	1.0066	0.9990	0.9952	1.0004	0.9932	0.9944				
	B11	3979	1.0000	0.9950	1.0041	1.0032	1.0043	0.9910	0.9930	0.9936	0.9914	0.9890				
	B12	4026	1.0000	0.9956	1.0046	1.0032	1.0042	0.9931	0.9948	1.0004	0.9934	0.9909				
	B31	3879	1.0000	0.9967	1.0064	1.0057	1.0068	0.9932	0.9971	1.0017	0.9945	0.9926				
	B32	3904	1.0000	0.9965	1.0060	1.0049	1.0069	0.9930	0.9977	1.0025	0.9959	0.9938				
	B61	3956	1.0000	0.9945	1.0038	1.0030	1.0238	1.0111	1.0146	1.0206	1.0118	1.0102				
	B62	4003	1.0000	0.9972	1.0080	1.0069	1.0199	1.0075	1.0110	1.0157	1.0089	1.0058				
	ave	**3950**	**1.0000**	**0.9964**	**1.0040**	**1.0020**	**1.0041**	**0.9930**	**0.9947**	**0.9997**	**0.9933**	**0.9905**				
DATA SET 36: CCT > 5000K, T_J = 82C	B1	6069	1.0000	1.0195	1.0195	1.0199	1.0151	0.9996	0.9967	0.9964	0.9889	0.9900	0.9726	0.9920	0.9813	
	B2	6484	1.0000	1.0019	0.9994	0.9999	0.9949	0.9790	0.9768	0.9722	0.9636	0.9628	0.9552	0.9657	0.9532	
	B3	6432	1.0000	1.0014	0.9983	0.9994	0.9937	0.9764	0.9727	0.9685	0.9604	0.9620	0.9395	0.9587	0.9508	
	B5	6067	1.0000	1.0009	0.9993	0.9994	0.9932	0.9746	0.9700	0.9680	0.9645	0.9653	0.9609	0.9677	0.9584	
	B6	5875	1.0000	1.0086	1.0092	1.0112	1.0074	0.9957	0.9993	0.9958	0.9931	0.9928	0.9848	0.9905	0.9833	
	B8	6023	1.0000	0.9987	1.0013	1.0032	0.9996	0.9851	0.9869	0.9842	0.9810	0.9812	0.9667	0.9703	0.9665	
	B9	6108	1.0000	1.0050	1.0062	1.0089	1.0048	0.9910	0.9898	0.9901	0.9873	0.9867	0.9786	0.9856	0.9824	
	B10	6034	1.0000	1.0064	1.0086	1.0112	0.9744	0.9924	0.9932	0.9900	0.9882	0.9887	0.9815	0.9840	0.9799	
	B11	6336	1.0000	1.0248	1.0285	1.0315	1.0267	1.0182	1.0131	1.0059	0.9985	0.9961	0.9881	0.9896	0.9827	
	B12	6196	1.0000	1.0088	1.0116	1.0139	1.0089	0.9997	0.9981	0.9906	0.9860	0.9840	0.9629	0.9776	0.9717	
	B13	6264	1.0000	1.0078	1.0099	1.0125	1.0073	0.9979	0.9956	0.9895	0.9861	0.9843	0.9784	0.9806	0.9743	
	B14	6490	1.0000	1.0078	1.0080	1.0105	1.0037	0.9914	0.9854	0.9791	0.9759	0.9743	0.9571	0.9730	0.9685	
	B15	6330	1.0000	1.0053	1.0036	1.0054	0.9975	0.9835	0.9772	0.9703	0.9672	0.9648	0.9451	0.9651	0.9572	
	B16	5914	1.0000	1.0163	1.0193	1.0205	1.0161	0.9806	0.9737	0.9632	0.9559	0.9546	0.9446	0.9574	0.9448	
	B17	6084	1.0000	1.0021	1.0045	1.0052	1.0005	0.9826	0.9782	0.9698	0.9621	0.9599	0.9431	0.9588	0.9498	
	B18	5902	1.0000	1.0025	1.0048	1.0056	1.0005	0.9826	0.9695	0.9658	0.9625	0.9590	0.9406	0.9603	0.9478	
	B20	5660	1.0000	1.0021	1.0056	1.0068	1.0022	0.9863	0.9821	0.9790	0.9730	0.9701	0.9655	0.9677	0.9567	
	B23	6195	1.0000	0.9952	0.9931	0.9926	0.9864	0.9743	0.9694	0.9651	0.9603	0.9578	0.9451	0.9562	0.9489	
	B25	6166	1.0000	0.9991	0.9963	0.9971	0.9898	0.9756	0.9698	0.9655	0.9615	0.9589	0.9611	0.9673	0.9614	
	B37	6490	1.0000	0.9982	0.9979	0.9970	0.9901	0.9652	0.9543	0.9467	0.9425	0.9409	0.9304	0.9416	0.9324	
	B38	6149	1.0000	0.9987	0.9962	0.9959	0.9886	0.9704	0.9643	0.9524	0.9482	0.9497	0.9456	0.9495	0.9431	
	B39	5918	1.0000	1.0001	0.9977	0.9979	0.9904	0.9700	0.9593	0.9523	0.9493	0.9468	0.9324	0.9442	0.9366	
	B40	5999	1.0000	0.9995	0.9976	0.9972	0.9904	0.9705	0.9608	0.9544	0.9522	0.9500	0.9411	0.9482	0.9430	
	A41	5892	1.0000	1.0038	1.0062	1.0089	1.0039	0.9892	0.9831	0.9808	0.9772	0.9596	0.9186	0.9711	0.9600	
	A42	5695	1.0000	1.0073	1.0100	1.0124	1.0078	0.9946	0.9909	0.9869	0.9838	0.9764	0.9762	0.9759	0.9700	
	ave	**6111**	**1.0000**	**1.0049**	**1.0053**	**1.0066**	**0.9998**	**0.9851**	**0.9804**	**0.9753**	**0.9708**	**0.9687**	**0.9566**	**0.9679**	**0.9602**	

$T_S = T_{AIR} = 55°C, I_F = 0.7A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 30: CCT = 4000K, T_J = 81C	A10	3942	2.5158E-07	1.0104	0.015	1,458,841
	A11	4035	1.5410E-06	1.0089	0.381	237,199
	A16	4008	2.1286E-06	0.9943	0.452	164,873
	A19	3856	1.7827E-06	0.9927	0.335	195,974
	A26	3909	2.4420E-06	0.9969	0.617	144,795
	A27	3858	2.2416E-06	0.9851	0.397	152,422
	A30	4069	6.8470E-07	0.9972	0.124	516,873
	A31	3969	1.7040E-06	1.0031	0.519	211,122
	A40	3939	1.7942E-06	1.0076	0.509	202,998
	A41	4101	9.5818E-07	0.9979	0.105	370,095
	A47	3859	1.6845E-06	0.9920	0.396	206,978
	A59	3885	3.0373E-06	0.9763	0.646	109,528
	A60	4029	8.5684E-07	0.9977	0.133	413,538
	A61	4015	2.8951E-06	1.0220	0.669	130,726
	A71	3988	2.1631E-06	1.0086	0.548	168,847
	A78	3866	1.5305E-06	1.0003	0.278	233,248
	A79	3890	2.1225E-06	1.0008	0.427	168,429
	B1	3912	2.0080E-06	1.0053	0.530	180,254
	B2	3875	2.0988E-06	1.0055	0.615	172,549
	B11	3979	2.1488E-06	1.0012	0.541	166,555
	B12	4026	1.7238E-06	1.0022	0.398	208,164
	B31	3879	1.7906E-06	1.0039	0.357	201,370
	B32	3904	1.4938E-06	1.0035	0.267	241,125
	B61	3956	1.6788E-06	1.0213	0.324	225,019
	B62	4003	1.7437E-06	1.0177	0.379	214,580
	ave	**3950**	**1.7783E-06**	**1.0021**	**0.433**	**201,745**
DATA SET 36: CCT > 5000K, T_J = 82C	B1	6069	2.4202E-06	1.0025	0.271	148,392
	B2	6484	2.8556E-06	0.9801	0.543	117,872
	B3	6432	3.4713E-06	0.9784	0.370	96,472
	B5	6067	1.2803E-06	0.9722	0.368	256,554
	B6	5875	2.2683E-06	1.0047	0.711	159,326
	B8	6023	3.9526E-06	1.0003	0.810	90,319
	B9	6108	1.4991E-06	0.9947	0.460	234,421
	B10	6034	2.0432E-06	0.9986	0.811	173,868
	B11	6336	4.3327E-06	1.0218	0.938	87,307
	B12	6196	4.0949E-06	1.0051	0.536	88,355
	B13	6264	2.8592E-06	1.0006	0.908	124,950
	B14	6490	2.3206E-06	0.9861	0.290	147,651
	B15	6330	2.7103E-06	0.9787	0.280	123,638
	B16	5914	2.9285E-06	0.9717	0.502	111,994
	B17	6084	3.7654E-06	0.9809	0.508	89,613
	B18	5902	3.4413E-06	0.9776	0.398	97,062
	B20	5660	3.8876E-06	0.9934	0.882	90,054
	B23	6195	3.1663E-06	0.9754	0.588	104,782
	B25	6166	2.3386E-08	0.9628	0.000	13,628,620
	B37	6490	2.5744E-06	0.9549	0.510	120,627
	B38	6149	1.4063E-06	0.9568	0.571	222,226
	B39	5918	3.2715E-06	0.9639	0.569	97,771
	B40	5999	2.3521E-06	0.9627	0.641	135,498
	A41	5892	4.8447E-06	0.9917	0.145	71,910
	A42	5695	3.1567E-06	0.9985	0.898	112,503
	ave	**6111**	**2.8372E-06**	**0.9846**	**0.548**	**120,226**

$T_S = T_{AIR} = 55°C, I_F = 0.7A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

		CCT	u'													
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 30: CCT = 4000K, T_J = 81C	A10	3942	0.2277	0.2264	0.2257	0.2252	0.2248	0.2243	0.2240	0.2239	0.2238	0.2236				
	A11	4035	0.2266	0.2253	0.2247	0.2242	0.2238	0.2233	0.2231	0.2229	0.2227	0.2226				
	A16	4008	0.2260	0.2248	0.2241	0.2236	0.2233	0.2229	0.2226	0.2225	0.2223	0.2222				
	A19	3856	0.2270	0.2258	0.2252	0.2246	0.2243	0.2239	0.2236	0.2234	0.2233	0.2232				
	A26	3909	0.2276	0.2263	0.2257	0.2252	0.2248	0.2245	0.2241	0.2241	0.2239	0.2238				
	A27	3858	0.2281	0.2267	0.2261	0.2255	0.2251	0.2248	0.2245	0.2244	0.2242	0.2241				
	A30	4069	0.2258	0.2245	0.2238	0.2232	0.2229	0.2225	0.2222	0.2221	0.2219	0.2218				
	A31	3969	0.2269	0.2256	0.2251	0.2245	0.2242	0.2238	0.2235	0.2233	0.2231	0.2230				
	A40	3939	0.2266	0.2252	0.2246	0.2240	0.2236	0.2232	0.2230	0.2228	0.2227	0.2226				
	A41	4101	0.2261	0.2249	0.2243	0.2238	0.2234	0.2230	0.2227	0.2225	0.2224	0.2223				
	A47	3859	0.2289	0.2274	0.2267	0.2261	0.2257	0.2253	0.2250	0.2249	0.2247	0.2246				
	A59	3885	0.2280	0.2265	0.2256	0.2250	0.2246	0.2241	0.2237	0.2237	0.2234	0.2233				
	A60	4029	0.2264	0.2251	0.2244	0.2238	0.2236	0.2232	0.2229	0.2228	0.2226	0.2225				
	A61	4015	0.2263	0.2253	0.2245	0.2240	0.2233	0.2229	0.2226	0.2224	0.2223	0.2222				
	A71	3988	0.2268	0.2255	0.2249	0.2243	0.2240	0.2236	0.2232	0.2231	0.2229	0.2228				
	A78	3866	0.2277	0.2265	0.2258	0.2253	0.2250	0.2247	0.2243	0.2242	0.2240	0.2239				
	A79	3890	0.2273	0.2260	0.2252	0.2247	0.2244	0.2241	0.2238	0.2237	0.2235	0.2234				
	B1	3912	0.2273	0.2260	0.2253	0.2247	0.2243	0.2241	0.2237	0.2236	0.2235	0.2234				
	B2	3875	0.2275	0.2261	0.2254	0.2248	0.2244	0.2241	0.2238	0.2237	0.2235	0.2234				
	B11	3979	0.2259	0.2249	0.2240	0.2234	0.2230	0.2227	0.2224	0.2223	0.2222	0.2221				
	B12	4026	0.2254	0.2244	0.2235	0.2229	0.2226	0.2222	0.2219	0.2218	0.2217	0.2216				
	B31	3879	0.2275	0.2262	0.2254	0.2248	0.2245	0.2241	0.2238	0.2237	0.2236	0.2235				
	B32	3904	0.2267	0.2254	0.2246	0.2241	0.2237	0.2234	0.2230	0.2230	0.2228	0.2227				
	B61	3956	0.2262	0.2249	0.2242	0.2236	0.2230	0.2227	0.2223	0.2223	0.2221	0.2220				
	B62	4003	0.2261	0.2248	0.2241	0.2236	0.2231	0.2227	0.2224	0.2223	0.2222	0.2221				
	ave	**3950**														

DATA SET 36: CCT > 5000K, T_J = 82C	B1	6069	0.2087	0.2087	0.2088	0.2089	0.2089	0.2090	0.2089	0.2089	0.2089	0.2089	0.2089	0.2090	0.2090	
	B2	6484	0.2097	0.2097	0.2098	0.2098	0.2098	0.2098	0.2098	0.2098	0.2097	0.2098	0.2097	0.2099	0.2099	
	B3	6432	0.2102	0.2102	0.2103	0.2104	0.2104	0.2104	0.2104	0.2104	0.2103	0.2104	0.2104	0.2104	0.2105	
	B5	6067	0.2100	0.2100	0.2101	0.2102	0.2102	0.2103	0.2103	0.2102	0.2102	0.2102	0.2101	0.2102	0.2103	
	B6	5875	0.2028	0.2028	0.2029	0.2029	0.2030	0.2029	0.2028	0.2028	0.2027	0.2028	0.2027	0.2029	0.2029	
	B8	6023	0.2026	0.2026	0.2027	0.2027	0.2028	0.2026	0.2026	0.2025	0.2025	0.2025	0.2026	0.2027	0.2027	
	B9	6108	0.2024	0.2024	0.2025	0.2025	0.2025	0.2024	0.2023	0.2024	0.2023	0.2023	0.2023	0.2024	0.2024	
	B10	6034	0.2023	0.2023	0.2023	0.2023	0.2024	0.2024	0.2023	0.2023	0.2023	0.2023	0.2022	0.2024	0.2024	
	B11	6336	0.2032	0.2032	0.2033	0.2034	0.2034	0.2033	0.2033	0.2032	0.2032	0.2032	0.2032	0.2033	0.2033	
	B12	6196	0.2030	0.2029	0.2031	0.2031	0.2032	0.2031	0.2030	0.2030	0.2030	0.2030	0.2030	0.2031	0.2031	
	B13	6264	0.2039	0.2039	0.2040	0.2040	0.2041	0.2040	0.2039	0.2040	0.2039	0.2039	0.2039	0.2040	0.2041	
	B14	6490	0.2064	0.2064	0.2065	0.2065	0.2066	0.2064	0.2064	0.2065	0.2064	0.2064	0.2064	0.2065	0.2065	
	B15	6330	0.2061	0.2061	0.2063	0.2063	0.2063	0.2062	0.2062	0.2062	0.2062	0.2062	0.2062	0.2063	0.2063	
	B16	5914	0.2105	0.2105	0.2106	0.2106	0.2106	0.2101	0.2102	0.2105	0.2105	0.2105	0.2105	0.2105	0.2106	
	B17	6084	0.2109	0.2109	0.2110	0.2110	0.2110	0.2106	0.2106	0.2109	0.2108	0.2109	0.2109	0.2110	0.2110	
	B18	5902	0.2111	0.2111	0.2111	0.2111	0.2111	0.2107	0.2110	0.2110	0.2110	0.2110	0.2110	0.2111	0.2112	
	B20	5660	0.2109	0.2108	0.2109	0.2108	0.2109	0.2107	0.2107	0.2107	0.2107	0.2108	0.2108	0.2108	0.2109	
	B23	6195	0.2083	0.2083	0.2084	0.2084	0.2084	0.2082	0.2082	0.2082	0.2082	0.2082	0.2082	0.2083	0.2083	
	B25	6166	0.2081	0.2081	0.2081	0.2082	0.2082	0.2082	0.2081	0.2082	0.2081	0.2081	0.2081	0.2082	0.2082	
	B37	6490	0.2091	0.2091	0.2091	0.2092	0.2093	0.2093	0.2094	0.2094	0.2094	0.2094	0.2094	0.2095	0.2096	
	B38	6149	0.2076	0.2076	0.2077	0.2077	0.2078	0.2077	0.2078	0.2078	0.2078	0.2078	0.2078	0.2079	0.2079	
	B39	5918	0.2079	0.2079	0.2080	0.2080	0.2081	0.2079	0.2079	0.2080	0.2080	0.2080	0.2080	0.2081	0.2081	
	B40	5999	0.2082	0.2082	0.2083	0.2083	0.2084	0.2085	0.2085	0.2086	0.2085	0.2086	0.2085	0.2086	0.2087	
	A41	5892	0.2022	0.2021	0.2023	0.2023	0.2023	0.2021	0.2021	0.2021	0.2021	0.2021	0.2020	0.2022	0.2022	
	A42	5695	0.2020	0.2019	0.2020	0.2020	0.2021	0.2019	0.2018	0.2018	0.2019	0.2019	0.2019	0.2020	0.2020	
	ave	**6111**														

$T_S = T_{AIR} = 55°C, I_F = 0.7A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

			v'													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 30: CCT = 4000K, T_J = 81C	A10	3942	0.4991	0.4989	0.4985	0.4984	0.4980	0.4976	0.4974	0.4973	0.4972	0.4973				
	A11	4035	0.4964	0.4960	0.4958	0.4957	0.4951	0.4950	0.4947	0.4946	0.4943	0.4944				
	A16	4008	0.4992	0.4989	0.4987	0.4986	0.4982	0.4981	0.4978	0.4977	0.4976	0.4976				
	A19	3856	0.5061	0.5059	0.5056	0.5055	0.5050	0.5050	0.5048	0.5047	0.5046	0.5046				
	A26	3909	0.5015	0.5012	0.5011	0.5009	0.5006	0.5005	0.5003	0.5002	0.5001	0.5001				
	A27	3858	0.5037	0.5032	0.5031	0.5029	0.5025	0.5025	0.5023	0.5022	0.5020	0.5021				
	A30	4069	0.4962	0.4959	0.4956	0.4955	0.4951	0.4950	0.4947	0.4946	0.4945	0.4945				
	A31	3969	0.4994	0.4992	0.4990	0.4989	0.4985	0.4983	0.4980	0.4979	0.4978	0.4978				
	A40	3939	0.5019	0.5016	0.5014	0.5013	0.5008	0.5007	0.5005	0.5005	0.5004	0.5004				
	A41	4101	0.4939	0.4934	0.4934	0.4934	0.4929	0.4928	0.4925	0.4923	0.4921	0.4922				
	A47	3859	0.5017	0.5011	0.5007	0.5006	0.5002	0.5001	0.4998	0.4997	0.4995	0.4996				
	A59	3885	0.5020	0.5012	0.5008	0.5007	0.5003	0.5000	0.4997	0.4997	0.4994	0.4995				
	A60	4029	0.4971	0.4968	0.4965	0.4963	0.4961	0.4961	0.4959	0.4957	0.4956	0.4957				
	A61	4015	0.4981	0.4979	0.4977	0.4976	0.4967	0.4965	0.4962	0.4961	0.4960	0.4961				
	A71	3988	0.4986	0.4984	0.4981	0.4980	0.4974	0.4972	0.4969	0.4968	0.4966	0.4967				
	A78	3866	0.5039	0.5036	0.5033	0.5031	0.5030	0.5030	0.5026	0.5026	0.5025	0.5025				
	A79	3890	0.5035	0.5032	0.5028	0.5026	0.5023	0.5024	0.5021	0.5021	0.5020	0.5020				
	B1	3912	0.5019	0.5014	0.5013	0.5012	0.5010	0.5009	0.5007	0.5006	0.5006	0.5006				
	B2	3875	0.5040	0.5035	0.5034	0.5033	0.5031	0.5029	0.5028	0.5026	0.5027	0.5027				
	B11	3979	0.5010	0.5006	0.5004	0.5004	0.5002	0.5000	0.4999	0.4998	0.4997	0.4998				
	B12	4026	0.4994	0.4990	0.4988	0.4987	0.4986	0.4984	0.4983	0.4981	0.4981	0.4982				
	B31	3879	0.5037	0.5032	0.5031	0.5030	0.5029	0.5027	0.5025	0.5024	0.5024	0.5024				
	B32	3904	0.5039	0.5035	0.5034	0.5033	0.5031	0.5029	0.5028	0.5027	0.5027	0.5027				
	B61	3956	0.5018	0.5015	0.5013	0.5012	0.5005	0.5003	0.5001	0.5000	0.5000	0.5001				
	B62	4003	0.4993	0.4989	0.4988	0.4987	0.4982	0.4980	0.4979	0.4978	0.4977	0.4978				
	ave	**3950**														
DATA SET 36: CCT > 5000K, T_J = 82C	B1	6069	0.4635	0.4636	0.4642	0.4643	0.4645	0.4636	0.4639	0.4638	0.4639	0.4639	0.4639	0.4641	0.4643	
	B2	6484	0.4558	0.4555	0.4558	0.4557	0.4557	0.4538	0.4541	0.4541	0.4544	0.4545	0.4546	0.4547	0.4550	
	B3	6432	0.4559	0.4556	0.4560	0.4559	0.4558	0.4541	0.4544	0.4543	0.4545	0.4545	0.4546	0.4547	0.4549	
	B5	6067	0.4619	0.4616	0.4620	0.4620	0.4620	0.4609	0.4612	0.4612	0.4612	0.4612	0.4614	0.4614	0.4617	
	B6	5875	0.4744	0.4741	0.4743	0.4744	0.4749	0.4736	0.4736	0.4736	0.4737	0.4736	0.4736	0.4739	0.4741	
	B8	6023	0.4716	0.4710	0.4711	0.4712	0.4717	0.4701	0.4700	0.4700	0.4700	0.4700	0.4703	0.4705	0.4706	
	B9	6108	0.4702	0.4698	0.4700	0.4700	0.4705	0.4689	0.4690	0.4689	0.4689	0.4689	0.4691	0.4692	0.4693	
	B10	6034	0.4717	0.4713	0.4714	0.4714	0.4717	0.4708	0.4709	0.4710	0.4709	0.4708	0.4708	0.4711	0.4712	
	B11	6336	0.4652	0.4657	0.4660	0.4661	0.4668	0.4652	0.4655	0.4657	0.4657	0.4656	0.4658	0.4658	0.4660	
	B12	6196	0.4679	0.4679	0.4683	0.4684	0.4691	0.4678	0.4681	0.4682	0.4681	0.4681	0.4681	0.4684	0.4686	
	B13	6264	0.4657	0.4657	0.4661	0.4663	0.4669	0.4653	0.4658	0.4659	0.4659	0.4658	0.4659	0.4661	0.4663	
	B14	6490	0.4593	0.4592	0.4595	0.4595	0.4599	0.4577	0.4582	0.4584	0.4583	0.4583	0.4583	0.4584	0.4586	
	B15	6330	0.4621	0.4622	0.4623	0.4624	0.4628	0.4609	0.4614	0.4615	0.4614	0.4614	0.4615	0.4613	0.4615	
	B16	5914	0.4641	0.4640	0.4641	0.4640	0.4640	0.4603	0.4608	0.4619	0.4620	0.4620	0.4623	0.4622	0.4625	
	B17	6084	0.4607	0.4601	0.4604	0.4602	0.4601	0.4564	0.4569	0.4582	0.4583	0.4583	0.4586	0.4586	0.4589	
	B18	5902	0.4637	0.4631	0.4632	0.4631	0.4630	0.4594	0.4609	0.4610	0.4612	0.4612	0.4614	0.4613	0.4617	
	B20	5660	0.4686	0.4681	0.4681	0.4681	0.4679	0.4654	0.4659	0.4660	0.4662	0.4663	0.4666	0.4665	0.4670	
	B23	6195	0.4618	0.4606	0.4610	0.4611	0.4615	0.4592	0.4594	0.4594	0.4594	0.4595	0.4595	0.4597	0.4599	
	B25	6166	0.4626	0.4612	0.4613	0.4615	0.4617	0.4605	0.4607	0.4606	0.4607	0.4606	0.4603	0.4604	0.4606	
	B37	6490	0.4563	0.4562	0.4567	0.4569	0.4572	0.4549	0.4549	0.4549	0.4545	0.4543	0.4542	0.4541	0.4542	
	B38	6149	0.4634	0.4633	0.4639	0.4640	0.4642	0.4623	0.4626	0.4628	0.4628	0.4626	0.4628	0.4627	0.4629	
	B39	5918	0.4672	0.4671	0.4677	0.4678	0.4681	0.4656	0.4660	0.4661	0.4661	0.4660	0.4661	0.4661	0.4663	
	B40	5999	0.4653	0.4652	0.4657	0.4658	0.4662	0.4650	0.4655	0.4656	0.4655	0.4655	0.4656	0.4654	0.4657	
	A41	5892	0.4748	0.4743	0.4743	0.4743	0.4749	0.4729	0.4730	0.4731	0.4731	0.4730	0.4724	0.4732	0.4735	
	A42	5695	0.4793	0.4788	0.4789	0.4790	0.4795	0.4777	0.4778	0.4779	0.4780	0.4779	0.4780	0.4781	0.4782	
	ave	**6111**														

$T_S = T_{AIR} = 55°C, I_F = 0.7A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 30: CCT = 4000K, T_J = 81C	A10	3942	0.0000	0.0013	0.0021	0.0026	0.0031	0.0037	0.0041	0.0042	0.0043	0.0045				
	A11	4035	0.0000	0.0014	0.0020	0.0025	0.0031	0.0036	0.0039	0.0041	0.0044	0.0045				
	A16	4008	0.0000	0.0012	0.0020	0.0025	0.0029	0.0033	0.0037	0.0038	0.0040	0.0041				
	A19	3856	0.0000	0.0012	0.0019	0.0025	0.0029	0.0033	0.0036	0.0039	0.0040	0.0041				
	A26	3909	0.0000	0.0013	0.0019	0.0025	0.0029	0.0033	0.0037	0.0037	0.0040	0.0040				
	A27	3858	0.0000	0.0015	0.0021	0.0027	0.0032	0.0035	0.0039	0.0040	0.0043	0.0043				
	A30	4069	0.0000	0.0013	0.0021	0.0027	0.0031	0.0035	0.0039	0.0040	0.0043	0.0043				
	A31	3969	0.0000	0.0013	0.0018	0.0025	0.0028	0.0033	0.0037	0.0039	0.0041	0.0042				
	A40	3939	0.0000	0.0014	0.0021	0.0027	0.0032	0.0036	0.0039	0.0040	0.0042	0.0043				
	A41	4101	0.0000	0.0013	0.0019	0.0024	0.0029	0.0033	0.0037	0.0039	0.0041	0.0042				
	A47	3859	0.0000	0.0016	0.0024	0.0030	0.0035	0.0039	0.0043	0.0045	0.0047	0.0048				
	A59	3885	0.0000	0.0017	0.0027	0.0033	0.0038	0.0044	0.0049	0.0049	0.0053	0.0053				
	A60	4029	0.0000	0.0013	0.0021	0.0027	0.0030	0.0034	0.0037	0.0039	0.0041	0.0041				
	A61	4015	0.0000	0.0010	0.0018	0.0024	0.0033	0.0038	0.0042	0.0044	0.0045	0.0046				
	A71	3988	0.0000	0.0013	0.0020	0.0026	0.0030	0.0035	0.0040	0.0041	0.0044	0.0044				
	A78	3866	0.0000	0.0012	0.0020	0.0025	0.0028	0.0031	0.0036	0.0037	0.0040	0.0040				
	A79	3890	0.0000	0.0013	0.0022	0.0028	0.0031	0.0034	0.0038	0.0039	0.0041	0.0042				
	B1	3912	0.0000	0.0014	0.0021	0.0027	0.0031	0.0034	0.0038	0.0039	0.0040	0.0041				
	B2	3875	0.0000	0.0015	0.0022	0.0028	0.0032	0.0036	0.0039	0.0040	0.0042	0.0043				
	B11	3979	0.0000	0.0011	0.0020	0.0026	0.0030	0.0034	0.0037	0.0038	0.0039	0.0040				
	B12	4026	0.0000	0.0011	0.0020	0.0026	0.0029	0.0034	0.0037	0.0038	0.0039	0.0040				
	B31	3879	0.0000	0.0014	0.0022	0.0028	0.0031	0.0035	0.0039	0.0040	0.0041	0.0042				
	B32	3904	0.0000	0.0014	0.0022	0.0027	0.0031	0.0034	0.0039	0.0039	0.0041	0.0042				
	B61	3956	0.0000	0.0013	0.0021	0.0027	0.0035	0.0038	0.0043	0.0043	0.0045	0.0045				
	B62	4003	0.0000	0.0014	0.0021	0.0026	0.0032	0.0036	0.0040	0.0041	0.0042	0.0043				
	ave	**3950**	**0.0000**	**0.0013**	**0.0021**	**0.0026**	**0.0031**	**0.0035**	**0.0039**	**0.0040**	**0.0042**	**0.0043**				
DATA SET 36: CCT > 5000K, T_J = 82C	B1	6069	0.0000	0.0001	0.0007	0.0008	0.0010	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0007	0.0009	
	B2	6484	0.0000	0.0003	0.0001	0.0001	0.0001	0.0020	0.0017	0.0017	0.0014	0.0013	0.0012	0.0011	0.0008	
	B3	6432	0.0000	0.0003	0.0001	0.0002	0.0002	0.0018	0.0015	0.0016	0.0014	0.0014	0.0013	0.0012	0.0010	
	B5	6067	0.0000	0.0003	0.0001	0.0002	0.0002	0.0010	0.0008	0.0007	0.0007	0.0007	0.0005	0.0005	0.0004	
	B6	5875	0.0000	0.0003	0.0001	0.0001	0.0005	0.0008	0.0008	0.0008	0.0007	0.0008	0.0008	0.0005	0.0003	
	B8	6023	0.0000	0.0006	0.0005	0.0004	0.0002	0.0015	0.0016	0.0016	0.0016	0.0016	0.0013	0.0011	0.0010	
	B9	6108	0.0000	0.0004	0.0002	0.0002	0.0003	0.0013	0.0012	0.0013	0.0013	0.0013	0.0011	0.0010	0.0009	
	B10	6034	0.0000	0.0004	0.0003	0.0003	0.0001	0.0009	0.0008	0.0007	0.0008	0.0009	0.0009	0.0006	0.0005	
	B11	6336	0.0000	0.0005	0.0008	0.0009	0.0016	0.0001	0.0003	0.0005	0.0005	0.0004	0.0006	0.0006	0.0008	
	B12	6196	0.0000	0.0001	0.0004	0.0005	0.0012	0.0001	0.0002	0.0003	0.0002	0.0002	0.0002	0.0005	0.0007	
	B13	6264	0.0000	0.0000	0.0004	0.0006	0.0012	0.0004	0.0001	0.0002	0.0002	0.0001	0.0002	0.0004	0.0006	
	B14	6490	0.0000	0.0001	0.0002	0.0002	0.0006	0.0016	0.0011	0.0009	0.0010	0.0010	0.0010	0.0009	0.0007	
	B15	6330	0.0000	0.0001	0.0003	0.0004	0.0007	0.0012	0.0007	0.0006	0.0007	0.0007	0.0006	0.0008	0.0006	
	B16	5914	0.0000	0.0001	0.0001	0.0001	0.0001	0.0038	0.0033	0.0022	0.0021	0.0021	0.0018	0.0019	0.0016	
	B17	6084	0.0000	0.0006	0.0003	0.0005	0.0006	0.0043	0.0038	0.0025	0.0024	0.0024	0.0021	0.0021	0.0018	
	B18	5902	0.0000	0.0006	0.0005	0.0006	0.0007	0.0043	0.0028	0.0027	0.0025	0.0025	0.0023	0.0024	0.0020	
	B20	5660	0.0000	0.0005	0.0005	0.0005	0.0007	0.0032	0.0027	0.0026	0.0024	0.0023	0.0020	0.0021	0.0016	
	B23	6195	0.0000	0.0012	0.0008	0.0007	0.0003	0.0026	0.0024	0.0024	0.0024	0.0023	0.0023	0.0021	0.0019	
	B25	6166	0.0000	0.0014	0.0013	0.0011	0.0009	0.0021	0.0019	0.0020	0.0019	0.0020	0.0023	0.0022	0.0020	
	B37	6490	0.0000	0.0001	0.0004	0.0006	0.0009	0.0014	0.0014	0.0014	0.0018	0.0020	0.0021	0.0022	0.0022	
	B38	6149	0.0000	0.0001	0.0005	0.0006	0.0008	0.0011	0.0008	0.0006	0.0006	0.0008	0.0006	0.0008	0.0006	
	B39	5918	0.0000	0.0001	0.0005	0.0006	0.0009	0.0016	0.0012	0.0011	0.0011	0.0012	0.0011	0.0011	0.0009	
	B40	5999	0.0000	0.0001	0.0004	0.0005	0.0009	0.0004	0.0004	0.0005	0.0004	0.0004	0.0004	0.0004	0.0006	
	A41	5892	0.0000	0.0005	0.0005	0.0005	0.0001	0.0019	0.0018	0.0017	0.0017	0.0018	0.0024	0.0016	0.0013	
	A42	5695	0.0000	0.0005	0.0004	0.0003	0.0002	0.0016	0.0015	0.0014	0.0013	0.0014	0.0013	0.0012	0.0011	
	ave	**6111**	**0.0000**	**0.0004**	**0.0004**	**0.0005**	**0.0006**	**0.0017**	**0.0014**	**0.0013**	**0.0013**	**0.0013**	**0.0012**	**0.0012**	**0.0011**	

$T_S = T_{AIR} = 55°C, I_F = 0.7A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 30: CCT = 4000K, T_J = 81C	A10	3942		3.182			3.142	3.141	3.136	3.137	3.133	3.133				
	A11	4035	3.155	3.170	3.152	3.144	3.129	3.129	3.125	3.126	3.123	3.122				
	A16	4008	3.356	3.345	3.295	3.267	3.237	3.225	3.213	3.210	3.203	3.202				
	A19	3856	3.383	3.382	3.323	3.290	3.259	3.244	3.229	3.228	3.221	3.218				
	A26	3909	3.135	3.147	3.118	3.104	3.091	3.091	3.084	3.087	3.084	3.083				
	A27	3858	3.450	3.422	3.354	3.316	3.284	3.268	3.252	3.252	3.243	3.240				
	A30	4069	3.189	3.186	3.167	3.159	3.150	3.147	3.143	3.144	3.141	3.141				
	A31	3969	3.143	3.158	3.139	3.132	3.118	3.119	3.114	3.114	3.112	3.114				
	A40	3939	3.202	3.198	3.179	3.173	3.160	3.160	3.153	3.155	3.151	3.151				
	A41	4101	3.152	3.165	3.146	3.138	3.124	3.125	3.120	3.123	3.118	3.119				
	A47	3859	3.307	3.291	3.251	3.226	3.202	3.193	3.180	3.180	3.174	3.171				
	A59	3885	3.285	3.296	3.257	3.234	3.211	3.202	3.190	3.189	3.182	3.181				
	A60	4029	3.217	3.214	3.196	3.190	3.178	3.176	3.170	3.172	3.169	3.168				
	A61	4015	3.227	3.247	3.224	3.217	3.202	3.201	3.194	3.196	3.194	3.194				
	A71	3988	3.237	3.260	3.234	3.223	3.204	3.201	3.195	3.194	3.191	3.192				
	A78	3866	3.192	3.223	3.181	3.164	3.147	3.141	3.134	3.134	3.131	3.131				
	A79	3890	3.349	3.346	3.298	3.271	3.241	3.229	3.216	3.213	3.206	3.204				
	B1	3912	3.219	3.202	3.192	3.190	3.184	3.177	3.175	3.171	3.172	3.170				
	B2	3875	3.214	3.199	3.188	3.185	3.181	3.176	3.173	3.170	3.171	3.170				
	B11	3979	3.201	3.190	3.179	3.177	3.170	3.166	3.164	3.160	3.162	3.162				
	B12	4026	3.186	3.177	3.162	3.160	3.156	3.149	3.147	3.143	3.143	3.143				
	B31	3879	3.232	3.217	3.204	3.205	3.199	3.193	3.190	3.184	3.187	3.187				
	B32	3904	3.231	3.215	3.203	3.202	3.196	3.192	3.187	3.186	3.187	3.188				
	B61	3956	3.197	3.186	3.173	3.168	3.162	3.157	3.152	3.151	3.149	3.150				
	B62	4003	3.218	3.206	3.187	3.186	3.178	3.171	3.169	3.164	3.164	3.164				
	ave	**3950**	**3.237**													
DATA SET 36: CCT > 5000K, T_J = 82C	B1	6069	3.279	3.278	3.269	3.272	3.265	3.260	3.253	3.254	3.249	3.252	3.250	3.258	3.256	
	B2	6484	3.295	3.297	3.288	3.283	3.281	3.273	3.270	3.266	3.263	3.264	3.262	3.268	3.267	
	B3	6432	3.297	3.302	3.295	3.289	3.283	3.275	3.272	3.273	3.265	3.267	3.266	3.270	3.269	
	B5	6067	3.301	3.302	3.294	3.290	3.285	3.275	3.272	3.270	3.262	3.265	3.264	3.269	3.267	
	B6	5875	3.633	3.545	3.513	3.504	3.484	3.471	3.457	3.449	3.443	3.440	3.439	3.443	3.442	
	B8	6023	3.669	3.557	3.522	3.516	3.498	3.480	3.467	3.462	3.455	3.456	3.450	3.457	3.455	
	B9	6108	3.674	3.565	3.529	3.518	3.501	3.486	3.473	3.467	3.458	3.458	3.453	3.457	3.457	
	B10	6034	3.700	3.574	3.537	3.530	3.507	3.493	3.477	3.474	3.464	3.464	3.456	3.462	3.459	
	B11	6336	3.272	3.272	3.267	3.266	3.265	3.261	3.257	3.259	3.257	3.262	3.262	3.270	3.275	
	B12	6196	3.278	3.278	3.273	3.273	3.267	3.267	3.266	3.266	3.262	3.269	3.271	3.279	3.286	
	B13	6264	3.298	3.298	3.291	3.290	3.285	3.282	3.280	3.279	3.279	3.282	3.283	3.293	3.297	
	B14	6490	3.295	3.290	3.283	3.281	3.274	3.266	3.262	3.263	3.257	3.261	3.263	3.270	3.273	
	B15	6330	3.299	3.296	3.286	3.286	3.275	3.273	3.267	3.269	3.266	3.267	3.264	3.274	3.274	
	B16	5914	3.169	3.166	3.161	3.159	3.156	3.153	3.151	3.154	3.151	3.152	3.148	3.157	3.157	
	B17	6084	3.170	3.166	3.162	3.163	3.159	3.154	3.152	3.153	3.151	3.152	3.151	3.156	3.157	
	B18	5902	3.166	3.167	3.159	3.157	3.156	3.154	3.152	3.151	3.149	3.153	3.149	3.155	3.157	
	B20	5660	3.148	3.150	3.145	3.144	3.141	3.139	3.137	3.137	3.131	3.133	3.133	3.137	3.138	
	B23	6195	3.863	3.529	3.465	3.451	3.419	3.396	3.376	3.367	3.359	3.357	3.353	3.355	3.356	
	B25	6166	3.922	3.557	3.492	3.481	3.444	3.419	3.398	3.386	3.379	3.379	3.371	3.373	3.375	
	B37	6490	3.322	3.329	3.316	3.315	3.302	3.297	3.287	3.290	3.283	3.285	3.282	3.287	3.287	
	B38	6149	3.282	3.284	3.268	3.268	3.257	3.247	3.242	3.240	3.236	3.238	3.231	3.241	3.238	
	B39	5918	3.277	3.280	3.267	3.262	3.253	3.243	3.237	3.235	3.232	3.229	3.229	3.234	3.231	
	B40	5999	3.268	3.271	3.255	3.253	3.243	3.237	3.231	3.230	3.224	3.225	3.222	3.228	3.225	
	A41	5892	3.716	3.575	3.544	3.538	3.512	3.493	3.479	3.471	3.468	3.465	3.461	3.460	3.460	
	A42	5695	3.744	3.594	3.561	3.552	3.524	3.503	3.489	3.480	3.475	3.473	3.467	3.467	3.469	
	ave	**6111**	**3.413**													

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	% at 6khours
DATA SET 5: CCT = 2650K, T_J = 103C	B1	2727	116.363	115.866	114.756	114.720	114.017	113.737	117.034	115.467	114.672	114.395					**98.3**
	B2	2633	113.373	113.382	112.313	112.140	111.101	110.939	114.033	112.112	111.708	111.505					**98.4**
	B3	2650	108.258	107.536	106.573	106.458	105.783	105.272	107.350	105.371	104.961	104.872					**96.9**
	B4	2615	106.748	106.713	105.750	105.674	105.150	104.847	107.156	105.193	104.693	104.439					**97.8**
	B5	2660	110.618	110.297	109.250	109.149	108.252	107.317	109.206	107.560	107.109	106.832					**96.6**
	B6	2699	108.008	107.663	106.874	106.783	105.822	104.820	107.012	105.328	105.113	104.953					**97.2**
	B7	2643	108.760	108.049	107.121	107.016	106.867	106.492	108.247	106.325	105.864	105.598					**97.1**
	B8	2674	112.671	112.288	110.884	110.860	110.636	110.579	113.078	110.891	110.573	110.356					**97.9**
	B9	2633	113.249	112.783	111.979	111.891	111.261	110.770	113.578	111.783	111.225	110.853					**97.9**
	B10	2593	106.061	106.619	105.527	105.390	104.937	104.728	106.215	104.492	103.868	103.412					**97.5**
	B21	2658	116.643	116.366	115.498	115.284	114.449	114.534	117.220	115.444	114.735	114.432					**98.1**
	B22	2704	113.851	113.148	112.296	112.483	112.164	111.952	113.604	111.803	111.271	111.001					**97.5**
	B23	2668	111.307	110.474	109.655	109.678	109.062	108.219	110.117	108.315	107.683	107.589					**96.7**
	B24	2677	110.763	110.187	109.437	109.340	108.758	107.913	110.210	108.569	107.976	107.819					**97.3**
	B25	2670	110.988	110.684	110.201	110.490	109.909	108.938	109.884	108.539	107.915	107.755					**97.1**
	B26	2651	108.186	108.933	107.738	107.268	106.787	106.590	107.499	105.459	104.672	103.944					**96.1**
	B27	2645	109.531	109.097	108.414	108.492	107.717	107.537	110.011	108.204	107.606	107.378					**98.0**
	B28	2740	110.774	110.142	109.634	109.903	109.169	108.281	110.599	108.873	108.443	108.094					**97.6**
	B29	2706	112.952	112.430	111.568	111.270	110.162	109.677	112.776	110.773	110.165	109.708					**97.1**
	B30	2656	106.973	106.681	106.113	106.324	105.630	104.685	106.953	105.415	104.947	104.641					**97.8**
	B41	2653	112.581	112.034	110.975	110.781	110.136	109.373	112.347	110.987	110.634	110.486					**98.1**
	B42	2680	114.312	113.845	112.849	112.738	111.949	111.375	114.931	113.425	113.206	112.851					**98.7**
	B43	2671	112.225	111.527	110.470	110.322	109.550	108.731	112.046	110.221	109.522	109.249					**97.3**
	B44	2719	114.076	113.575	112.468	112.445	111.863	111.338	114.869	113.318	113.164	112.779					**98.9**
	B45	2677	107.156	106.638	105.871	105.750	104.961	104.379	107.700	105.923	105.257	104.774					**97.8**
	ave	**2668**															**97.6**
DATA SET 14: CCT = 3000K, T_J = 103C	B11	3082	123.657	124.303	123.439	123.384	122.546	121.642	124.412	122.434	121.828	121.605					**98.3**
	B12	3036	124.126	124.101	123.117	122.991	122.231	121.264	124.312	122.378	121.817	121.657					**98.0**
	B13	2987	107.722	106.876	106.485	106.763	106.423	105.924	108.546	106.860	106.434	106.321					**98.7**
	B14	2963	117.697	117.938	117.171	117.053	116.302	115.395	117.870	115.681	115.258	115.187					**97.9**
	B15	3033	120.846	120.640	119.868	119.938	119.378	118.945	121.508	119.471	118.887	118.860					**98.4**
	B16	3030	121.816	121.769	120.549	120.445	119.732	118.892	121.231	119.320	118.856	118.702					**97.4**
	B17	2934	116.898	117.372	116.184	116.043	115.191	114.383	116.998	114.958	114.585	114.436					**97.9**
	B18	3017	120.498	121.182	120.549	120.618	119.754	118.916	122.552	120.403	119.838	119.548					**99.2**
	B19	3033	120.380	120.334	119.546	119.517	118.776	118.011	120.217	118.111	117.772	117.599					**97.7**
	B20	2957	108.750	107.799	107.263	107.371	106.518	106.112	107.997	106.123	105.946	105.678					**97.2**
	B31	3020	120.064	120.990	120.517	120.493	119.238	117.052	119.498	117.636	117.021	116.873					**97.3**
	B32	3130	125.608	124.892	122.633	124.003	122.986	122.122	125.304	123.290	122.816	122.784					**97.8**
	B33	3078	123.435	122.888	122.390	122.697	122.406	121.386	124.136	122.013	121.603	121.528					**98.5**
	B34	3067	131.829	133.043	132.361	132.737	132.577	132.680	135.376	133.290	132.597	132.255					**100.3**
	B35	3086	125.929	125.501	124.724	124.890	124.072	123.360	126.392	124.536	123.753	123.313					**97.9**
	B36	3091	123.079	123.203	122.673	123.214	123.239	121.486	124.580	122.814	122.150	121.319					**98.6**
	B37	3058	125.456	125.556	124.715	124.792	124.381	123.321	125.757	123.758	123.286	123.089					**98.1**
	B38	3144	124.709	124.621	124.060	124.653	124.609	122.615	125.225	123.167	122.826	122.643					**98.3**
	B39	3037	125.754	125.845	125.113	125.275	124.798	124.177	126.202	124.354	123.681	123.626					**98.3**
	B40	3074	125.703	125.763	125.135	125.334	124.774	124.608	126.979	124.729	124.149	124.026					**98.7**
	B51	3018	116.447	115.959	114.995	115.051	114.152	113.239	116.142	114.480	114.247	114.012					**97.9**
	B52	3072	120.316	120.454	119.574	119.946	119.747	120.166	122.570	120.746	120.354	120.273					**100.0**
	B53	3116	127.157	126.788	125.988	126.215	125.610	125.923	129.081	127.362	126.910	126.806					**99.7**
	B54	2993	125.193	125.558	124.554	124.564	123.764	124.173	127.300	125.444	124.852	124.638					**99.6**
	B55	3066	124.540	124.169	123.302	123.560	123.128	123.046	125.626	123.534	123.247	123.204					**98.9**
	ave	**3045**															**98.4**
DATA SET 23: CCT = 3500K, T_J = 110C	A17	3683	133.012	132.535	133.592	133.218	132.646	132.687	132.511	131.777	131.822	130.186	129.359				**97.9**
	A28	3663	117.483	113.758	114.223	113.689	113.707	113.105	112.120	111.402	111.792	110.540	109.946				**94.1**
	A29	3539	127.583	126.880	127.872	127.260	127.210	126.774	126.028	125.270	125.708	124.519	123.773				**97.6**
	A51	3634	122.406	121.698	122.287	121.742	124.484	124.091	124.066	124.356	124.743	124.083	123.429				**101.4**
	A56	3695	124.327	123.450	124.516	124.388	124.393	124.370	123.413	122.866	122.819	120.568	119.775				**97.0**
	A58	3699	125.457	123.968	125.136	125.117	125.434	125.502	124.774	124.391	125.038	123.642	123.424				**98.6**
	A66	3661	125.606	125.171	126.303	126.049	125.244	124.973	124.440	123.796	124.268	123.217	122.677				**98.1**
	A67	3657	112.971	109.900	110.333	109.536	108.794	107.888	107.104	106.356	106.697	105.163	104.715				**93.1**
	B3	3464	126.646	125.696	127.082	126.741	125.829	126.003	127.030	126.799	126.587	121.929	121.042				**96.3**
	B4	3389	125.998	125.147	126.692	126.586	126.351	125.982	125.996	125.707	125.779	120.320	119.016				**95.5**
	B5	3394	127.159	125.393	128.122	127.832	127.781	126.965	125.314	125.172	126.060	124.623	122.366				**98.0**
	B6	3393	124.642	123.361	125.288	125.378	125.193	124.464	123.886	122.963	123.756	122.675	120.622				**98.4**
	B7	3372	124.229	123.414	124.727	124.758	124.765	124.314	124.416	124.242	124.725	119.841	117.011				**96.5**
	B8	3437	126.531	125.693	126.976	127.061	127.036	126.144	126.396	126.018	127.006	125.611	123.052				**99.3**
	B9	3366	124.214	123.381	124.799	124.926	124.868	124.043	124.041	123.363	124.139	122.627	120.041				**98.7**
	B10	3394	123.816	122.884	124.352	124.523	124.446	123.578	123.197	121.056	121.679	120.603	119.603				**97.4**
	B13	3377	125.564	124.729	126.099	126.271	125.721	124.466	123.807	123.177	123.618	120.007	118.412				**95.6**
	B14	3487	126.234	125.532	126.967	126.959	126.603	125.306	124.854	124.273	125.229	121.905	120.244				**96.6**
	B15	3480	126.590	125.729	127.226	127.364	127.024	125.981	125.026	124.522	125.683	122.096	119.360				**96.4**
	B16	3440	124.629	123.734	124.935	124.907	125.054	124.126	123.627	123.249	124.605	120.108	116.934				**96.4**
	B17	3385	125.120	124.378	125.829	125.931	125.040	123.918	124.382	123.910	124.577	122.644	120.154				**98.0**
	B18	3431	125.222	124.226	125.554	125.810	125.728	125.079	124.727	124.487	125.432	121.483	118.499				**97.0**
	B19	3389	125.027	124.133	125.427	125.447	125.126	124.439	124.418	124.121	124.784	120.906	116.615				**96.7**
	B20	3394	125.519	124.723	126.118	126.196	126.246	125.102	123.803	123.038	124.080	122.843	121.386				**97.9**
	B23	3464	126.365	125.665	127.117	127.123	126.962	126.078	125.236	124.586	124.775	121.418	120.180				**96.1**
	ave	**3491**															**97.1**

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

		CCT	Normalized flux													
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 5: CCT = 2650K, T_J = 103C	B1	2727	1.0000	0.9957	0.9862	0.9859	0.9798	0.9774	1.0058	0.9923	0.9855	0.9831				
	B2	2633	1.0000	1.0001	0.9906	0.9891	0.9800	0.9785	1.0058	0.9889	0.9853	0.9835				
	B3	2650	1.0000	0.9933	0.9844	0.9834	0.9771	0.9724	0.9916	0.9733	0.9695	0.9687				
	B4	2615	1.0000	0.9997	0.9906	0.9899	0.9850	0.9822	1.0038	0.9854	0.9807	0.9784				
	B5	2660	1.0000	0.9971	0.9876	0.9867	0.9786	0.9702	0.9872	0.9724	0.9683	0.9658				
	B6	2699	1.0000	0.9968	0.9895	0.9887	0.9798	0.9705	0.9908	0.9752	0.9732	0.9717				
	B7	2643	1.0000	0.9935	0.9849	0.9840	0.9826	0.9792	0.9953	0.9776	0.9734	0.9709				
	B8	2674	1.0000	0.9966	0.9841	0.9839	0.9819	0.9814	1.0036	0.9842	0.9814	0.9795				
	B9	2633	1.0000	0.9959	0.9888	0.9880	0.9824	0.9781	1.0029	0.9871	0.9821	0.9788				
	B10	2593	1.0000	1.0053	0.9950	0.9937	0.9894	0.9874	1.0015	0.9852	0.9793	0.9750				
	B21	2658	1.0000	0.9976	0.9902	0.9884	0.9812	0.9819	1.0049	0.9897	0.9836	0.9810				
	B22	2704	1.0000	0.9938	0.9863	0.9880	0.9852	0.9833	0.9978	0.9820	0.9773	0.9750				
	B23	2668	1.0000	0.9925	0.9852	0.9854	0.9798	0.9723	0.9893	0.9731	0.9674	0.9666				
	B24	2677	1.0000	0.9948	0.9880	0.9872	0.9819	0.9743	0.9950	0.9802	0.9748	0.9734				
	B25	2670	1.0000	0.9973	0.9929	0.9955	0.9903	0.9815	0.9901	0.9779	0.9723	0.9709				
	B26	2651	1.0000	1.0069	0.9959	0.9915	0.9871	0.9852	0.9936	0.9748	0.9675	0.9608				
	B27	2645	1.0000	0.9960	0.9898	0.9905	0.9834	0.9818	1.0044	0.9879	0.9824	0.9803				
	B28	2740	1.0000	0.9943	0.9897	0.9921	0.9855	0.9775	0.9984	0.9828	0.9790	0.9758				
	B29	2706	1.0000	0.9954	0.9877	0.9851	0.9753	0.9710	0.9984	0.9807	0.9753	0.9713				
	B30	2656	1.0000	0.9973	0.9920	0.9939	0.9874	0.9786	0.9998	0.9854	0.9811	0.9782				
	B41	2653	1.0000	0.9951	0.9857	0.9840	0.9783	0.9715	0.9979	0.9858	0.9827	0.9814				
	B42	2680	1.0000	0.9959	0.9872	0.9862	0.9793	0.9743	1.0054	0.9922	0.9903	0.9872				
	B43	2671	1.0000	0.9938	0.9844	0.9830	0.9762	0.9689	0.9984	0.9821	0.9759	0.9735				
	B44	2719	1.0000	0.9956	0.9859	0.9857	0.9806	0.9760	1.0070	0.9934	0.9920	0.9886				
	B45	2677	1.0000	0.9952	0.9880	0.9869	0.9795	0.9741	1.0051	0.9885	0.9823	0.9778				
	ave	**2668**	**1.0000**	**0.9966**	**0.9884**	**0.9879**	**0.9819**	**0.9772**	**0.9990**	**0.9831**	**0.9785**	**0.9759**				
DATA SET 14: CCT = 3000K, T_J = 103C	B11	3082	1.0000	1.0052	0.9982	0.9978	0.9910	0.9837	1.0061	0.9901	0.9852	0.9834				
	B12	3036	1.0000	0.9998	0.9919	0.9909	0.9847	0.9769	1.0015	0.9859	0.9814	0.9801				
	B13	2987	1.0000	0.9921	0.9885	0.9911	0.9879	0.9833	1.0076	0.9920	0.9880	0.9870				
	B14	2963	1.0000	1.0021	0.9955	0.9945	0.9881	0.9804	1.0015	0.9829	0.9793	0.9787				
	B15	3033	1.0000	0.9983	0.9919	0.9925	0.9879	0.9843	1.0055	0.9886	0.9838	0.9836				
	B16	3030	1.0000	0.9996	0.9896	0.9887	0.9829	0.9760	0.9952	0.9795	0.9757	0.9744				
	B17	2934	1.0000	1.0041	0.9939	0.9927	0.9854	0.9785	1.0009	0.9834	0.9802	0.9789				
	B18	3017	1.0000	1.0057	1.0004	1.0010	0.9938	0.9869	1.0170	0.9992	0.9945	0.9921				
	B19	3033	1.0000	0.9996	0.9931	0.9928	0.9867	0.9803	0.9986	0.9812	0.9783	0.9769				
	B20	2957	1.0000	0.9913	0.9863	0.9873	0.9795	0.9757	0.9931	0.9758	0.9742	0.9718				
	B31	3020	1.0000	1.0077	1.0038	1.0036	0.9931	0.9749	0.9953	0.9798	0.9747	0.9734				
	B32	3130	1.0000	0.9943	0.9763	0.9872	0.9791	0.9722	0.9976	0.9815	0.9778	0.9775				
	B33	3078	1.0000	0.9956	0.9915	0.9940	0.9917	0.9834	1.0057	0.9885	0.9852	0.9846				
	B34	3067	1.0000	1.0092	1.0040	1.0069	1.0057	1.0065	1.0269	1.0111	1.0058	1.0032				
	B35	3086	1.0000	0.9966	0.9904	0.9917	0.9853	0.9796	1.0037	0.9889	0.9827	0.9792				
	B36	3091	1.0000	1.0010	0.9967	1.0011	1.0013	0.9871	1.0122	0.9978	0.9924	0.9857				
	B37	3058	1.0000	1.0008	0.9941	0.9947	0.9914	0.9830	1.0024	0.9865	0.9827	0.9811				
	B38	3144	1.0000	0.9993	0.9948	0.9995	0.9992	0.9832	1.0041	0.9876	0.9849	0.9834				
	B39	3037	1.0000	1.0007	0.9949	0.9962	0.9924	0.9875	1.0036	0.9889	0.9835	0.9831				
	B40	3074	1.0000	1.0005	0.9955	0.9971	0.9926	0.9913	1.0102	0.9923	0.9876	0.9867				
	B51	3018	1.0000	0.9958	0.9875	0.9880	0.9803	0.9725	0.9974	0.9831	0.9811	0.9791				
	B52	3072	1.0000	1.0011	0.9938	0.9969	0.9953	0.9988	1.0187	1.0036	1.0003	0.9996				
	B53	3116	1.0000	0.9971	0.9908	0.9926	0.9878	0.9903	1.0151	1.0016	0.9981	0.9972				
	B54	2993	1.0000	1.0029	0.9949	0.9950	0.9886	0.9919	1.0168	1.0020	0.9973	0.9956				
	B55	3066	1.0000	0.9970	0.9901	0.9921	0.9887	0.9880	1.0087	0.9919	0.9896	0.9893				
	ave	**3045**	**1.0000**	**0.9999**	**0.9931**	**0.9946**	**0.9896**	**0.9838**	**1.0058**	**0.9897**	**0.9858**	**0.9842**				
DATA SET 23: CCT = 3500K, T_J = 110C	A17	3683	1.0000	0.9964	1.0044	1.0015	0.9972	0.9976	0.9962	0.9907	0.9911	0.9788	0.9725			
	A28	3663	1.0000	0.9683	0.9722	0.9677	0.9679	0.9627	0.9544	0.9482	0.9516	0.9409	0.9358			
	A29	3539	1.0000	0.9945	1.0023	0.9975	0.9971	0.9937	0.9878	0.9819	0.9853	0.9760	0.9701			
	A51	3634	1.0000	0.9942	0.9990	0.9946	1.0170	1.0138	1.0136	1.0159	1.0191	1.0137	1.0084			
	A56	3695	1.0000	0.9929	1.0015	1.0005	1.0005	1.0003	0.9926	0.9882	0.9879	0.9698	0.9634			
	A58	3699	1.0000	0.9881	0.9974	0.9973	0.9998	1.0004	0.9946	0.9915	0.9967	0.9855	0.9838			
	A66	3661	1.0000	0.9965	1.0055	1.0035	0.9971	0.9950	0.9907	0.9856	0.9893	0.9810	0.9767			
	A67	3657	1.0000	0.9728	0.9766	0.9696	0.9630	0.9550	0.9481	0.9414	0.9445	0.9309	0.9269			
	B3	3464	1.0000	0.9925	1.0034	1.0007	0.9936	0.9949	1.0030	1.0012	0.9995	0.9627	0.9558			
	B4	3389	1.0000	0.9932	1.0055	1.0047	1.0028	0.9999	1.0000	0.9977	0.9983	0.9549	0.9446			
	B5	3394	1.0000	0.9861	1.0076	1.0053	1.0049	0.9985	0.9855	0.9844	0.9914	0.9801	0.9623			
	B6	3393	1.0000	0.9897	1.0052	1.0059	1.0044	0.9986	0.9939	0.9865	0.9929	0.9842	0.9677			
	B7	3372	1.0000	0.9934	1.0040	1.0043	1.0043	1.0007	1.0015	1.0001	1.0040	0.9647	0.9419			
	B8	3437	1.0000	0.9934	1.0035	1.0042	1.0040	0.9969	0.9989	0.9960	1.0038	0.9927	0.9725			
	B9	3366	1.0000	0.9933	1.0047	1.0057	1.0053	0.9986	0.9986	0.9931	0.9994	0.9872	0.9664			
	B10	3394	1.0000	0.9925	1.0043	1.0057	1.0051	0.9981	0.9950	0.9777	0.9827	0.9741	0.9660			
	B13	3377	1.0000	0.9933	1.0043	1.0056	1.0013	0.9912	0.9860	0.9810	0.9845	0.9557	0.9430			
	B14	3487	1.0000	0.9944	1.0058	1.0057	1.0029	0.9926	0.9891	0.9845	0.9920	0.9657	0.9525			
	B15	3480	1.0000	0.9932	1.0050	1.0061	1.0034	0.9952	0.9876	0.9837	0.9928	0.9645	0.9429			
	B16	3440	1.0000	0.9928	1.0025	1.0022	1.0034	0.9960	0.9920	0.9889	0.9998	0.9637	0.9383			
	B17	3385	1.0000	0.9941	1.0057	1.0065	0.9994	0.9904	0.9941	0.9903	0.9957	0.9802	0.9603			
	B18	3431	1.0000	0.9920	1.0027	1.0047	1.0040	0.9989	0.9960	0.9941	1.0017	0.9701	0.9463			
	B19	3389	1.0000	0.9928	1.0032	1.0034	1.0008	0.9953	0.9951	0.9928	0.9981	0.9670	0.9327			
	B20	3394	1.0000	0.9937	1.0048	1.0054	1.0058	0.9967	0.9863	0.9802	0.9885	0.9787	0.9671			
	B23	3464	1.0000	0.9945	1.0059	1.0060	1.0047	0.9977	0.9911	0.9859	0.9874	0.9609	0.9511			
	ave	**3491**	**1.0000**	**0.9912**	**1.0015**	**1.0006**	**0.9996**	**0.9943**	**0.9909**	**0.9865**	**0.9911**	**0.9713**	**0.9580**			

$T_S = T_{AIR} = 85°C, I_F = 0.7A$

$T_S \geq 83C, T_{AIR} \geq 80C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 5: CCT = 2650K, T_J = 103C	B1	2727	-7.8947E-07	0.9845	0.020	-432,063
	B2	2633	-6.2455E-07	0.9848	0.014	-546,576
	B3	2650	2.0216E-06	0.9824	0.192	167,627
	B4	2615	1.6238E-06	0.9915	0.108	214,406
	B5	2660	2.4854E-06	0.9822	0.329	136,286
	B6	2699	1.3911E-06	0.9816	0.114	243,052
	B7	2643	2.7248E-06	0.9892	0.337	126,906
	B8	2674	9.2476E-07	0.9885	0.036	373,182
	B9	2633	6.2839E-07	0.9874	0.016	547,394
	B10	2593	3.2643E-06	0.9976	0.436	108,528
	B21	2658	3.0688E-07	0.9881	0.004	1,123,269
	B22	2704	2.4683E-06	0.9919	0.323	141,225
	B23	2668	2.8398E-06	0.9845	0.368	120,083
	B24	2677	1.6177E-06	0.9855	0.134	211,439
	B25	2670	3.9880E-06	0.9942	0.756	87,991
	B26	2651	5.9577E-06	0.9987	0.745	59,653
	B27	2645	8.6913E-07	0.9897	0.032	398,448
	B28	2740	1.7337E-06	0.9891	0.150	199,423
	B29	2706	7.2042E-07	0.9811	0.017	468,609
	B30	2656	1.5435E-06	0.9904	0.124	224,838
	B41	2653	-1.0880E-06	0.9792	0.052	-308,485
	B42	2680	-2.1673E-06	0.9806	0.136	-155,545
	B43	2671	2.4093E-07	0.9799	0.002	1,396,319
	B44	2719	-2.1704E-06	0.9821	0.138	-155,992
	B45	2677	1.2322E-08	0.9845	0.000	27,679,382
	ave	**2668**	**1.2179E-06**	**0.9868**	**0.070**	**281,920**
DATA SET 14: CCT = 3000K, T_J = 103C	B11	3082	1.4284E-06	0.9949	0.096	246,090
	B12	3036	7.3059E-07	0.9876	0.024	471,109
	B13	2987	1.7226E-07	0.9916	0.001	2,021,356
	B14	2963	2.0123E-06	0.9921	0.183	173,295
	B15	3033	1.1460E-06	0.9929	0.065	304,987
	B16	3030	1.7136E-06	0.9865	0.165	200,215
	B17	2934	1.2915E-06	0.9890	0.081	267,582
	B18	3017	8.9996E-08	0.9975	0.000	3,935,802
	B19	3033	2.1016E-06	0.9909	0.232	165,368
	B20	2957	1.7662E-06	0.9844	0.181	193,034
	B31	3020	3.3337E-06	0.9933	0.390	104,987
	B32	3130	2.1192E-07	0.9817	0.002	1,595,693
	B33	3078	1.3681E-06	0.9945	0.093	256,709
	B34	3067	8.4503E-07	1.0128	0.034	437,163
	B35	3086	1.0270E-06	0.9901	0.043	337,609
	B36	3091	2.1844E-06	1.0037	0.169	164,969
	B37	3058	1.9741E-06	0.9947	0.209	177,975
	B38	3144	2.5983E-06	0.9994	0.288	137,052
	B39	3037	2.1129E-06	0.9971	0.268	167,452
	B40	3074	1.6857E-06	0.9993	0.136	211,162
	B51	3018	-1.7351E-07	0.9816	0.002	-1,948,714
	B52	3072	-3.3164E-07	1.0015	0.006	-1,080,064
	B53	3116	-1.6398E-06	0.9926	0.101	-212,984
	B54	2993	-1.0524E-06	0.9950	0.039	-334,121
	B55	3066	2.5072E-07	0.9935	0.003	1,396,765
	ave	**3045**	**1.0718E-06**	**0.9935**	**0.059**	**326,739**
DATA SET 23: CCT = 3500K, T_J = 110C	A17	3683	5.1368E-06	1.0109	0.896	71,539
	A28	3663	5.1645E-06	0.9712	0.907	63,407
	A29	3539	4.3551E-06	1.0019	0.898	82,328
	A51	3634	6.6301E-07	1.0171	0.128	563,521
	A56	3695	7.3883E-06	1.0169	0.917	50,541
	A58	3699	3.0180E-06	1.0056	0.756	120,038
	A66	3661	3.3858E-06	1.0015	0.866	105,790
	A67	3657	5.7402E-06	0.9657	0.912	56,057
	B3	3464	9.2994E-06	1.0281	0.648	41,340
	B4	3389	1.2060E-05	1.0371	0.735	32,591
	B5	3394	5.5434E-06	1.0085	0.686	65,862
	B6	3393	5.1380E-06	1.0104	0.750	71,423
	B7	3372	1.1749E-05	1.0387	0.679	33,588
	B8	3437	3.8569E-06	1.0108	0.427	95,265
	B9	3366	5.4885E-06	1.0153	0.629	67,746
	B10	3394	6.3478E-06	1.0107	0.889	57,859
	B13	3377	9.6930E-06	1.0168	0.812	38,518
	B14	3487	7.7210E-06	1.0139	0.725	47,985
	B15	3480	9.4802E-06	1.0202	0.719	39,734
	B16	3440	1.0689E-05	1.0278	0.652	35,933
	B17	3385	5.4594E-06	1.0096	0.562	67,081
	B18	3431	9.7629E-06	1.0285	0.662	39,415
	B19	3389	1.1579E-05	1.0323	0.652	33,548
	B20	3394	4.7342E-06	1.0040	0.743	76,191
	B23	3464	9.4545E-06	1.0214	0.859	39,965
	ave	**3491**	**6.8963E-06**	**1.0129**	**0.774**	**53,576**

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$
$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

		CCT	u'													
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 5: CCT = 2650K, T_J = 103C	B1	2727	0.2612	0.2597	0.2589	0.2583	0.2576	0.2571	0.2567	0.2567	0.2568	0.2570				
	B2	2633	0.2661	0.2645	0.2636	0.2629	0.2624	0.2619	0.2614	0.2614	0.2615	0.2617				
	B3	2650	0.2649	0.2633	0.2625	0.2618	0.2612	0.2606	0.2602	0.2602	0.2603	0.2604				
	B4	2615	0.2668	0.2652	0.2647	0.2640	0.2632	0.2625	0.2619	0.2619	0.2620	0.2621				
	B5	2660	0.2643	0.2627	0.2619	0.2612	0.2605	0.2599	0.2595	0.2594	0.2596	0.2598				
	B6	2699	0.2622	0.2606	0.2599	0.2592	0.2585	0.2580	0.2576	0.2575	0.2576	0.2576				
	B7	2643	0.2652	0.2636	0.2628	0.2621	0.2613	0.2608	0.2603	0.2602	0.2604	0.2605				
	B8	2674	0.2637	0.2621	0.2614	0.2608	0.2600	0.2593	0.2589	0.2588	0.2588	0.2589				
	B9	2633	0.2659	0.2643	0.2635	0.2628	0.2622	0.2617	0.2613	0.2612	0.2613	0.2614				
	B10	2593	0.2681	0.2664	0.2656	0.2648	0.2641	0.2635	0.2629	0.2629	0.2632	0.2633				
	B21	2658	0.2649	0.2633	0.2624	0.2618	0.2612	0.2607	0.2601	0.2601	0.2603	0.2604				
	B22	2704	0.2620	0.2605	0.2598	0.2590	0.2582	0.2576	0.2573	0.2572	0.2573	0.2574				
	B23	2668	0.2640	0.2624	0.2616	0.2609	0.2602	0.2596	0.2593	0.2593	0.2594	0.2595				
	B24	2677	0.2632	0.2616	0.2609	0.2602	0.2594	0.2588	0.2583	0.2583	0.2584	0.2584				
	B25	2670	0.2636	0.2620	0.2613	0.2606	0.2601	0.2594	0.2590	0.2590	0.2591	0.2591				
	B26	2651	0.2654	0.2638	0.2631	0.2625	0.2617	0.2610	0.2605	0.2605	0.2606	0.2608				
	B27	2645	0.2649	0.2632	0.2624	0.2617	0.2611	0.2606	0.2601	0.2600	0.2601	0.2602				
	B28	2740	0.2606	0.2590	0.2582	0.2575	0.2569	0.2563	0.2558	0.2558	0.2559	0.2560				
	B29	2706	0.2624	0.2607	0.2600	0.2593	0.2587	0.2582	0.2578	0.2577	0.2579	0.2581				
	B30	2656	0.2646	0.2630	0.2622	0.2615	0.2609	0.2603	0.2598	0.2598	0.2599	0.2600				
	B41	2653	0.2649	0.2632	0.2625	0.2618	0.2611	0.2607	0.2603	0.2603	0.2604	0.2605				
	B42	2680	0.2633	0.2617	0.2609	0.2603	0.2597	0.2591	0.2587	0.2587	0.2588	0.2589				
	B43	2671	0.2637	0.2621	0.2614	0.2607	0.2600	0.2595	0.2591	0.2591	0.2592	0.2593				
	B44	2719	0.2612	0.2596	0.2589	0.2583	0.2575	0.2570	0.2566	0.2566	0.2568	0.2568				
	B45	2677	0.2633	0.2618	0.2611	0.2604	0.2598	0.2593	0.2589	0.2589	0.2589	0.2590				
	ave	**2668**														
DATA SET 14: CCT = 3000K, T_J = 103C	B11	3082	0.2474	0.2463	0.2459	0.2454	0.2449	0.2445	0.2442	0.2442	0.2443	0.2443				
	B12	3036	0.2491	0.2479	0.2475	0.2470	0.2465	0.2461	0.2457	0.2457	0.2458	0.2459				
	B13	2987	0.2510	0.2501	0.2497	0.2493	0.2488	0.2484	0.2480	0.2480	0.2480	0.2480				
	B14	2963	0.2520	0.2509	0.2504	0.2500	0.2494	0.2489	0.2486	0.2486	0.2486	0.2486				
	B15	3033	0.2485	0.2474	0.2470	0.2466	0.2460	0.2455	0.2452	0.2452	0.2452	0.2452				
	B16	3030	0.2490	0.2478	0.2474	0.2469	0.2463	0.2460	0.2456	0.2456	0.2456	0.2456				
	B17	2934	0.2532	0.2520	0.2516	0.2511	0.2505	0.2501	0.2498	0.2498	0.2498	0.2497				
	B18	3017	0.2503	0.2492	0.2487	0.2483	0.2478	0.2474	0.2470	0.2470	0.2471	0.2471				
	B19	3033	0.2489	0.2478	0.2474	0.2470	0.2465	0.2461	0.2458	0.2457	0.2458	0.2458				
	B20	2957	0.2524	0.2512	0.2508	0.2504	0.2499	0.2494	0.2491	0.2490	0.2490	0.2490				
	B31	3020	0.2507	0.2496	0.2491	0.2486	0.2481	0.2477	0.2474	0.2474	0.2475	0.2475				
	B32	3130	0.2471	0.2461	0.2456	0.2451	0.2446	0.2442	0.2439	0.2440	0.2441	0.2442				
	B33	3078	0.2479	0.2468	0.2464	0.2459	0.2453	0.2449	0.2446	0.2446	0.2447	0.2448				
	B34	3067	0.2485	0.2474	0.2469	0.2463	0.2459	0.2453	0.2450	0.2450	0.2452	0.2455				
	B35	3086	0.2476	0.2466	0.2461	0.2456	0.2451	0.2448	0.2445	0.2445	0.2446	0.2449				
	B36	3091	0.2483	0.2473	0.2469	0.2464	0.2459	0.2454	0.2451	0.2451	0.2452	0.2455				
	B37	3058	0.2487	0.2477	0.2473	0.2468	0.2462	0.2458	0.2454	0.2453	0.2455	0.2455				
	B38	3144	0.2458	0.2448	0.2444	0.2440	0.2436	0.2431	0.2428	0.2428	0.2429	0.2429				
	B39	3037	0.2498	0.2487	0.2483	0.2478	0.2472	0.2468	0.2464	0.2464	0.2465	0.2465				
	B40	3074	0.2485	0.2474	0.2469	0.2465	0.2460	0.2455	0.2451	0.2451	0.2451	0.2452				
	B51	3018	0.2508	0.2497	0.2493	0.2488	0.2482	0.2478	0.2475	0.2474	0.2475	0.2476				
	B52	3072	0.2479	0.2469	0.2465	0.2459	0.2453	0.2450	0.2445	0.2445	0.2446	0.2446				
	B53	3116	0.2462	0.2451	0.2448	0.2443	0.2438	0.2434	0.2429	0.2428	0.2429	0.2429				
	B54	2993	0.2508	0.2497	0.2493	0.2488	0.2483	0.2479	0.2475	0.2474	0.2476	0.2476				
	B55	3066	0.2481	0.2470	0.2467	0.2462	0.2456	0.2452	0.2448	0.2448	0.2448	0.2447				
	ave	**3045**														
DATA SET 23: CCT = 3500K, T_J = 110C	A17	3683	0.2301	0.2287	0.2280	0.2276	0.2273	0.2269	0.2266	0.2263	0.2262	0.2262	0.2262			
	A28	3663	0.2300	0.2279	0.2270	0.2266	0.2263	0.2259	0.2256	0.2254	0.2254	0.2253	0.2254			
	A29	3539	0.2327	0.2313	0.2306	0.2302	0.2299	0.2296	0.2292	0.2291	0.2290	0.2290	0.2290			
	A51	3634	0.2318	0.2305	0.2298	0.2294	0.2289	0.2286	0.2281	0.2279	0.2278	0.2277	0.2277			
	A56	3695	0.2302	0.2288	0.2281	0.2278	0.2275	0.2271	0.2268	0.2266	0.2265	0.2264	0.2264			
	A58	3699	0.2291	0.2278	0.2271	0.2267	0.2264	0.2260	0.2256	0.2254	0.2254	0.2254	0.2253			
	A66	3661	0.2306	0.2293	0.2286	0.2282	0.2280	0.2276	0.2272	0.2270	0.2270	0.2269	0.2269			
	A67	3657	0.2324	0.2304	0.2296	0.2291	0.2289	0.2284	0.2281	0.2278	0.2278	0.2278	0.2278			
	B3	3464	0.2368	0.2353	0.2346	0.2341	0.2338	0.2334	0.2331	0.2330	0.2329	0.2327	0.2327			
	B4	3389	0.2386	0.2371	0.2364	0.2358	0.2355	0.2351	0.2348	0.2346	0.2345	0.2344	0.2344			
	B5	3394	0.2388	0.2373	0.2366	0.2360	0.2357	0.2353	0.2350	0.2349	0.2347	0.2346	0.2343			
	B6	3393	0.2388	0.2373	0.2366	0.2360	0.2356	0.2353	0.2350	0.2349	0.2348	0.2347	0.2345			
	B7	3372	0.2390	0.2375	0.2367	0.2362	0.2358	0.2354	0.2351	0.2349	0.2347	0.2346	0.2345			
	B8	3437	0.2380	0.2365	0.2357	0.2352	0.2349	0.2345	0.2341	0.2339	0.2338	0.2336	0.2335			
	B9	3366	0.2389	0.2373	0.2366	0.2360	0.2356	0.2352	0.2349	0.2347	0.2346	0.2345	0.2343			
	B10	3394	0.2383	0.2368	0.2360	0.2355	0.2351	0.2347	0.2344	0.2343	0.2343	0.2342	0.2341			
	B13	3377	0.2388	0.2373	0.2366	0.2360	0.2357	0.2354	0.2351	0.2349	0.2348	0.2346	0.2346			
	B14	3487	0.2373	0.2358	0.2351	0.2345	0.2342	0.2338	0.2335	0.2333	0.2332	0.2329	0.2329			
	B15	3480	0.2365	0.2350	0.2343	0.2338	0.2335	0.2331	0.2328	0.2326	0.2325	0.2324	0.2323			
	B16	3440	0.2379	0.2365	0.2358	0.2353	0.2349	0.2345	0.2341	0.2339	0.2338	0.2336	0.2335			
	B17	3385	0.2383	0.2369	0.2361	0.2356	0.2353	0.2349	0.2345	0.2343	0.2342	0.2341	0.2339			
	B18	3431	0.2373	0.2358	0.2351	0.2345	0.2342	0.2338	0.2335	0.2333	0.2332	0.2331	0.2331			
	B19	3389	0.2389	0.2374	0.2367	0.2361	0.2358	0.2354	0.2351	0.2349	0.2347	0.2346	0.2345			
	B20	3394	0.2386	0.2371	0.2363	0.2358	0.2354	0.2350	0.2348	0.2347	0.2346	0.2346	0.2344			
	B23	3464	0.2371	0.2356	0.2349	0.2343	0.2340	0.2336	0.2333	0.2331	0.2329	0.2327	0.2327			
	ave	**3491**														

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

		CCT	v'													
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 5: CCT = 2650K, T_J = 103C	B1	2727	0.5273	0.5269	0.5270	0.5269	0.5264	0.5262	0.5262	0.5261	0.5260	0.5260				
	B2	2633	0.5255	0.5250	0.5250	0.5250	0.5249	0.5248	0.5249	0.5248	0.5247	0.5247				
	B3	2650	0.5274	0.5270	0.5270	0.5271	0.5268	0.5267	0.5266	0.5265	0.5264	0.5264				
	B4	2615	0.5268	0.5264	0.5265	0.5266	0.5263	0.5260	0.5259	0.5257	0.5256	0.5257				
	B5	2660	0.5279	0.5275	0.5275	0.5274	0.5269	0.5268	0.5268	0.5266	0.5265	0.5266				
	B6	2699	0.5293	0.5290	0.5290	0.5290	0.5286	0.5284	0.5284	0.5282	0.5281	0.5282				
	B7	2643	0.5280	0.5276	0.5276	0.5277	0.5272	0.5270	0.5269	0.5268	0.5267	0.5268				
	B8	2674	0.5277	0.5274	0.5274	0.5275	0.5272	0.5269	0.5269	0.5268	0.5267	0.5268				
	B9	2633	0.5266	0.5262	0.5261	0.5262	0.5259	0.5257	0.5258	0.5257	0.5256	0.5257				
	B10	2593	0.5260	0.5256	0.5257	0.5255	0.5251	0.5249	0.5251	0.5250	0.5249	0.5250				
	B21	2658	0.5257	0.5253	0.5253	0.5254	0.5251	0.5249	0.5250	0.5249	0.5248	0.5249				
	B22	2704	0.5290	0.5286	0.5287	0.5285	0.5279	0.5278	0.5277	0.5277	0.5276	0.5276				
	B23	2668	0.5277	0.5274	0.5274	0.5275	0.5272	0.5270	0.5270	0.5269	0.5268	0.5269				
	B24	2677	0.5298	0.5294	0.5295	0.5295	0.5290	0.5287	0.5287	0.5287	0.5286	0.5286				
	B25	2670	0.5293	0.5290	0.5290	0.5293	0.5294	0.5287	0.5286	0.5285	0.5284	0.5285				
	B26	2651	0.5244	0.5241	0.5243	0.5243	0.5236	0.5236	0.5239	0.5236	0.5235	0.5237				
	B27	2645	0.5292	0.5286	0.5285	0.5286	0.5285	0.5283	0.5283	0.5281	0.5280	0.5281				
	B28	2740	0.5275	0.5269	0.5268	0.5269	0.5266	0.5261	0.5259	0.5257	0.5255	0.5256				
	B29	2706	0.5265	0.5260	0.5259	0.5259	0.5257	0.5253	0.5254	0.5252	0.5250	0.5251				
	B30	2656	0.5277	0.5273	0.5271	0.5272	0.5271	0.5267	0.5267	0.5265	0.5264	0.5265				
	B41	2653	0.5271	0.5267	0.5267	0.5267	0.5262	0.5260	0.5259	0.5258	0.5257	0.5257				
	B42	2680	0.5283	0.5279	0.5280	0.5280	0.5276	0.5274	0.5272	0.5272	0.5271	0.5272				
	B43	2671	0.5287	0.5283	0.5284	0.5283	0.5278	0.5276	0.5275	0.5274	0.5272	0.5273				
	B44	2719	0.5294	0.5291	0.5292	0.5291	0.5285	0.5283	0.5282	0.5282	0.5281	0.5281				
	B45	2677	0.5287	0.5283	0.5283	0.5284	0.5280	0.5278	0.5277	0.5276	0.5274	0.5274				
	ave	**2668**														
DATA SET 14: CCT = 3000K, T_J = 103C	B11	3082	0.5210	0.5205	0.5207	0.5205	0.5197	0.5195	0.5194	0.5193	0.5192	0.5193				
	B12	3036	0.5216	0.5211	0.5212	0.5211	0.5205	0.5201	0.5201	0.5200	0.5198	0.5199				
	B13	2987	0.5217	0.5213	0.5214	0.5215	0.5208	0.5205	0.5204	0.5204	0.5203	0.5204				
	B14	2963	0.5216	0.5211	0.5212	0.5211	0.5202	0.5199	0.5199	0.5198	0.5196	0.5198				
	B15	3033	0.5242	0.5238	0.5238	0.5239	0.5230	0.5226	0.5226	0.5225	0.5224	0.5224				
	B16	3030	0.5228	0.5223	0.5223	0.5222	0.5214	0.5211	0.5209	0.5209	0.5208	0.5209				
	B17	2934	0.5215	0.5210	0.5211	0.5210	0.5203	0.5199	0.5198	0.5197	0.5196	0.5197				
	B18	3017	0.5196	0.5191	0.5191	0.5192	0.5187	0.5183	0.5183	0.5182	0.5180	0.5181				
	B19	3033	0.5225	0.5220	0.5221	0.5221	0.5214	0.5209	0.5208	0.5207	0.5206	0.5207				
	B20	2957	0.5211	0.5206	0.5208	0.5208	0.5203	0.5197	0.5196	0.5196	0.5194	0.5195				
	B31	3020	0.5177	0.5172	0.5174	0.5174	0.5168	0.5167	0.5167	0.5166	0.5165	0.5167				
	B32	3130	0.5155	0.5149	0.5151	0.5147	0.5136	0.5133	0.5132	0.5131	0.5130	0.5131				
	B33	3078	0.5198	0.5192	0.5194	0.5192	0.5185	0.5183	0.5184	0.5183	0.5182	0.5183				
	B34	3067	0.5193	0.5189	0.5191	0.5186	0.5180	0.5179	0.5178	0.5177	0.5177	0.5179				
	B35	3086	0.5196	0.5190	0.5192	0.5189	0.5180	0.5177	0.5177	0.5175	0.5175	0.5178				
	B36	3091	0.5165	0.5158	0.5160	0.5161	0.5155	0.5151	0.5151	0.5149	0.5148	0.5153				
	B37	3058	0.5195	0.5190	0.5192	0.5191	0.5181	0.5179	0.5179	0.5178	0.5176	0.5178				
	B38	3144	0.5181	0.5175	0.5177	0.5179	0.5175	0.5171	0.5170	0.5169	0.5168	0.5169				
	B39	3037	0.5187	0.5182	0.5183	0.5183	0.5174	0.5172	0.5172	0.5171	0.5170	0.5172				
	B40	3074	0.5182	0.5176	0.5178	0.5176	0.5168	0.5165	0.5165	0.5164	0.5163	0.5164				
	B51	3018	0.5175	0.5170	0.5172	0.5169	0.5160	0.5158	0.5158	0.5156	0.5155	0.5155				
	B52	3072	0.5207	0.5201	0.5204	0.5200	0.5192	0.5190	0.5189	0.5188	0.5186	0.5187				
	B53	3116	0.5207	0.5203	0.5206	0.5205	0.5197	0.5196	0.5197	0.5196	0.5195	0.5196				
	B54	2993	0.5213	0.5208	0.5208	0.5208	0.5206	0.5203	0.5204	0.5204	0.5203	0.5204				
	B55	3066	0.5209	0.5205	0.5207	0.5206	0.5198	0.5196	0.5195	0.5195	0.5193	0.5194				
	ave	**3045**														
DATA SET 23: CCT = 3500K, T_J = 110C	A17	3683	0.5110	0.5108	0.5106	0.5104	0.5107	0.5110	0.5109	0.5110	0.5112	0.5113	0.5114			
	A28	3663	0.5126	0.5116	0.5114	0.5112	0.5114	0.5116	0.5116	0.5117	0.5119	0.5120	0.5122			
	A29	3539	0.5162	0.5160	0.5158	0.5157	0.5159	0.5161	0.5162	0.5163	0.5165	0.5166	0.5167			
	A51	3634	0.5104	0.5102	0.5101	0.5099	0.5097	0.5098	0.5097	0.5096	0.5099	0.5099	0.5101			
	A56	3695	0.5099	0.5097	0.5095	0.5093	0.5095	0.5097	0.5097	0.5098	0.5100	0.5101	0.5103			
	A58	3699	0.5121	0.5120	0.5119	0.5118	0.5121	0.5123	0.5123	0.5123	0.5125	0.5126	0.5128			
	A66	3661	0.5114	0.5112	0.5110	0.5109	0.5112	0.5114	0.5113	0.5114	0.5116	0.5117	0.5119			
	A67	3657	0.5072	0.5062	0.5060	0.5058	0.5060	0.5061	0.5060	0.5060	0.5063	0.5065	0.5066			
	B3	3464	0.5116	0.5111	0.5111	0.5112	0.5112	0.5114	0.5116	0.5117	0.5120	0.5120	0.5121			
	B4	3389	0.5135	0.5132	0.5131	0.5132	0.5133	0.5134	0.5135	0.5137	0.5139	0.5140	0.5141			
	B5	3394	0.5123	0.5118	0.5118	0.5119	0.5120	0.5121	0.5122	0.5123	0.5126	0.5128	0.5129			
	B6	3393	0.5123	0.5119	0.5119	0.5120	0.5120	0.5121	0.5121	0.5123	0.5125	0.5128	0.5130			
	B7	3372	0.5139	0.5135	0.5134	0.5135	0.5136	0.5137	0.5138	0.5140	0.5143	0.5145	0.5146			
	B8	3437	0.5106	0.5102	0.5102	0.5103	0.5103	0.5104	0.5104	0.5104	0.5107	0.5109	0.5111			
	B9	3366	0.5150	0.5146	0.5146	0.5147	0.5147	0.5148	0.5148	0.5149	0.5151	0.5154	0.5155			
	B10	3394	0.5139	0.5135	0.5134	0.5135	0.5135	0.5136	0.5135	0.5137	0.5139	0.5141	0.5143			
	B13	3377	0.5140	0.5137	0.5136	0.5137	0.5137	0.5138	0.5139	0.5141	0.5143	0.5145	0.5146			
	B14	3487	0.5081	0.5077	0.5076	0.5078	0.5078	0.5078	0.5079	0.5080	0.5083	0.5084	0.5086			
	B15	3480	0.5109	0.5105	0.5105	0.5106	0.5107	0.5107	0.5108	0.5109	0.5112	0.5114	0.5114			
	B16	3440	0.5104	0.5101	0.5100	0.5101	0.5101	0.5102	0.5102	0.5104	0.5107	0.5108	0.5109			
	B17	3385	0.5146	0.5142	0.5142	0.5143	0.5144	0.5145	0.5143	0.5144	0.5147	0.5149	0.5151			
	B18	3431	0.5131	0.5127	0.5127	0.5128	0.5128	0.5128	0.5128	0.5130	0.5133	0.5134	0.5136			
	B19	3389	0.5124	0.5121	0.5119	0.5120	0.5120	0.5122	0.5122	0.5124	0.5127	0.5129	0.5131			
	B20	3394	0.5130	0.5126	0.5125	0.5126	0.5126	0.5126	0.5126	0.5128	0.5130	0.5132	0.5134			
	B23	3464	0.5106	0.5103	0.5102	0.5103	0.5103	0.5104	0.5105	0.5105	0.5108	0.5109	0.5111			
	ave	**3491**														

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$
$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 5: CCT = 2650K, T_J = 103C	B1	2727	0.0000	0.0016	0.0023	0.0029	0.0037	0.0042	0.0046	0.0047	0.0046	0.0044				
	B2	2633	0.0000	0.0017	0.0025	0.0032	0.0037	0.0043	0.0047	0.0048	0.0047	0.0045				
	B3	2650	0.0000	0.0016	0.0024	0.0031	0.0037	0.0044	0.0048	0.0048	0.0047	0.0046				
	B4	2615	0.0000	0.0016	0.0021	0.0028	0.0036	0.0044	0.0050	0.0050	0.0049	0.0048				
	B5	2660	0.0000	0.0016	0.0024	0.0031	0.0039	0.0045	0.0049	0.0051	0.0049	0.0047				
	B6	2699	0.0000	0.0016	0.0023	0.0030	0.0038	0.0043	0.0047	0.0048	0.0048	0.0047				
	B7	2643	0.0000	0.0016	0.0024	0.0031	0.0040	0.0045	0.0050	0.0051	0.0050	0.0049				
	B8	2674	0.0000	0.0016	0.0023	0.0029	0.0037	0.0045	0.0049	0.0050	0.0050	0.0049				
	B9	2633	0.0000	0.0016	0.0025	0.0031	0.0038	0.0043	0.0047	0.0048	0.0047	0.0046				
	B10	2593	0.0000	0.0017	0.0025	0.0033	0.0041	0.0047	0.0053	0.0053	0.0050	0.0049				
	B21	2658	0.0000	0.0016	0.0025	0.0031	0.0037	0.0043	0.0049	0.0049	0.0047	0.0046				
	B22	2704	0.0000	0.0016	0.0022	0.0030	0.0040	0.0046	0.0049	0.0050	0.0049	0.0048				
	B23	2668	0.0000	0.0016	0.0024	0.0031	0.0038	0.0045	0.0048	0.0048	0.0047	0.0046				
	B24	2677	0.0000	0.0016	0.0023	0.0030	0.0039	0.0045	0.0050	0.0050	0.0049	0.0049				
	B25	2670	0.0000	0.0016	0.0023	0.0030	0.0035	0.0042	0.0047	0.0047	0.0046	0.0046				
	B26	2651	0.0000	0.0016	0.0023	0.0029	0.0038	0.0045	0.0049	0.0050	0.0049	0.0047				
	B27	2645	0.0000	0.0018	0.0026	0.0033	0.0039	0.0044	0.0049	0.0050	0.0049	0.0048				
	B28	2740	0.0000	0.0017	0.0025	0.0032	0.0038	0.0045	0.0051	0.0051	0.0051	0.0050				
	B29	2706	0.0000	0.0018	0.0025	0.0032	0.0038	0.0044	0.0047	0.0049	0.0047	0.0045				
	B30	2656	0.0000	0.0016	0.0025	0.0031	0.0037	0.0044	0.0049	0.0049	0.0049	0.0048				
	B41	2653	0.0000	0.0017	0.0024	0.0031	0.0039	0.0043	0.0048	0.0048	0.0047	0.0046				
	B42	2680	0.0000	0.0016	0.0024	0.0030	0.0037	0.0043	0.0047	0.0047	0.0047	0.0045				
	B43	2671	0.0000	0.0016	0.0023	0.0030	0.0038	0.0043	0.0048	0.0048	0.0047	0.0046				
	B44	2719	0.0000	0.0016	0.0023	0.0029	0.0038	0.0043	0.0048	0.0048	0.0046	0.0046				
	B45	2677	0.0000	0.0016	0.0022	0.0029	0.0036	0.0041	0.0045	0.0045	0.0046	0.0045				
	ave	**2668**	**0.0000**	**0.0017**	**0.0024**	**0.0031**	**0.0038**	**0.0044**	**0.0048**	**0.0049**	**0.0048**	**0.0047**				
DATA SET 14: CCT = 3000K, T_J = 103C	B11	3082	0.0000	0.0012	0.0015	0.0021	0.0028	0.0033	0.0036	0.0036	0.0036	0.0035				
	B12	3036	0.0000	0.0013	0.0016	0.0022	0.0028	0.0034	0.0037	0.0038	0.0038	0.0036				
	B13	2987	0.0000	0.0010	0.0013	0.0017	0.0024	0.0029	0.0033	0.0033	0.0033	0.0033				
	B14	2963	0.0000	0.0012	0.0016	0.0021	0.0030	0.0035	0.0038	0.0038	0.0039	0.0038				
	B15	3033	0.0000	0.0012	0.0016	0.0019	0.0028	0.0034	0.0037	0.0037	0.0038	0.0038				
	B16	3030	0.0000	0.0013	0.0017	0.0022	0.0030	0.0034	0.0039	0.0039	0.0039	0.0039				
	B17	2934	0.0000	0.0013	0.0016	0.0022	0.0030	0.0035	0.0038	0.0038	0.0039	0.0039				
	B18	3017	0.0000	0.0012	0.0017	0.0020	0.0027	0.0032	0.0035	0.0036	0.0036	0.0035				
	B19	3033	0.0000	0.0012	0.0016	0.0019	0.0026	0.0032	0.0035	0.0037	0.0036	0.0036				
	B20	2957	0.0000	0.0013	0.0016	0.0020	0.0026	0.0033	0.0036	0.0037	0.0038	0.0038				
	B31	3020	0.0000	0.0012	0.0016	0.0021	0.0028	0.0032	0.0034	0.0035	0.0034	0.0034				
	B32	3130	0.0000	0.0012	0.0016	0.0022	0.0031	0.0036	0.0039	0.0039	0.0039	0.0038				
	B33	3078	0.0000	0.0013	0.0016	0.0021	0.0029	0.0034	0.0036	0.0036	0.0036	0.0034				
	B34	3067	0.0000	0.0012	0.0016	0.0023	0.0029	0.0035	0.0038	0.0038	0.0037	0.0033				
	B35	3086	0.0000	0.0012	0.0016	0.0021	0.0030	0.0034	0.0036	0.0037	0.0037	0.0032				
	B36	3091	0.0000	0.0012	0.0015	0.0019	0.0026	0.0032	0.0035	0.0036	0.0035	0.0030				
	B37	3058	0.0000	0.0011	0.0014	0.0019	0.0029	0.0033	0.0037	0.0038	0.0037	0.0036				
	B38	3144	0.0000	0.0012	0.0015	0.0018	0.0023	0.0029	0.0032	0.0032	0.0032	0.0031				
	B39	3037	0.0000	0.0012	0.0016	0.0020	0.0029	0.0034	0.0037	0.0038	0.0037	0.0036				
	B40	3074	0.0000	0.0013	0.0016	0.0021	0.0029	0.0034	0.0038	0.0038	0.0039	0.0038				
	B51	3018	0.0000	0.0012	0.0015	0.0021	0.0030	0.0034	0.0037	0.0039	0.0039	0.0038				
	B52	3072	0.0000	0.0012	0.0014	0.0021	0.0030	0.0034	0.0038	0.0039	0.0039	0.0039				
	B53	3116	0.0000	0.0012	0.0014	0.0019	0.0026	0.0030	0.0034	0.0036	0.0035	0.0035				
	B54	2993	0.0000	0.0012	0.0016	0.0021	0.0026	0.0031	0.0034	0.0035	0.0034	0.0033				
	B55	3066	0.0000	0.0012	0.0014	0.0019	0.0027	0.0032	0.0036	0.0036	0.0037	0.0037				
	ave	**3045**	**0.0000**	**0.0012**	**0.0015**	**0.0020**	**0.0028**	**0.0033**	**0.0036**	**0.0037**	**0.0037**	**0.0036**				
DATA SET 23: CCT = 3500K, T_J = 110C	A17	3683	0.0000	0.0014	0.0021	0.0026	0.0028	0.0032	0.0035	0.0038	0.0039	0.0039	0.0039			
	A28	3663	0.0000	0.0023	0.0032	0.0037	0.0039	0.0042	0.0045	0.0047	0.0047	0.0047	0.0046			
	A29	3539	0.0000	0.0014	0.0021	0.0025	0.0028	0.0031	0.0035	0.0036	0.0037	0.0037	0.0037			
	A51	3634	0.0000	0.0013	0.0020	0.0025	0.0030	0.0033	0.0038	0.0040	0.0040	0.0041	0.0041			
	A56	3695	0.0000	0.0014	0.0021	0.0025	0.0027	0.0031	0.0034	0.0036	0.0037	0.0038	0.0038			
	A58	3699	0.0000	0.0013	0.0020	0.0024	0.0027	0.0031	0.0035	0.0037	0.0037	0.0037	0.0039			
	A66	3661	0.0000	0.0013	0.0020	0.0025	0.0026	0.0030	0.0034	0.0036	0.0036	0.0037	0.0037			
	A67	3657	0.0000	0.0022	0.0030	0.0036	0.0037	0.0041	0.0045	0.0048	0.0047	0.0047	0.0046			
	B3	3464	0.0000	0.0016	0.0023	0.0027	0.0030	0.0034	0.0037	0.0038	0.0039	0.0041	0.0041			
	B4	3389	0.0000	0.0015	0.0022	0.0028	0.0031	0.0035	0.0038	0.0040	0.0041	0.0042	0.0042			
	B5	3394	0.0000	0.0016	0.0023	0.0028	0.0031	0.0035	0.0038	0.0039	0.0041	0.0042	0.0045			
	B6	3393	0.0000	0.0016	0.0022	0.0028	0.0032	0.0035	0.0038	0.0039	0.0040	0.0041	0.0044			
	B7	3372	0.0000	0.0016	0.0024	0.0028	0.0032	0.0036	0.0039	0.0041	0.0043	0.0044	0.0046			
	B8	3437	0.0000	0.0016	0.0023	0.0028	0.0031	0.0035	0.0039	0.0041	0.0042	0.0044	0.0045			
	B9	3366	0.0000	0.0016	0.0023	0.0029	0.0033	0.0037	0.0040	0.0042	0.0043	0.0044	0.0046			
	B10	3394	0.0000	0.0016	0.0024	0.0028	0.0032	0.0036	0.0039	0.0040	0.0040	0.0041	0.0042			
	B13	3377	0.0000	0.0015	0.0022	0.0028	0.0031	0.0034	0.0037	0.0039	0.0040	0.0042	0.0042			
	B14	3487	0.0000	0.0016	0.0023	0.0028	0.0031	0.0035	0.0038	0.0040	0.0041	0.0044	0.0044			
	B15	3480	0.0000	0.0016	0.0022	0.0027	0.0030	0.0034	0.0037	0.0039	0.0040	0.0041	0.0042			
	B16	3440	0.0000	0.0014	0.0021	0.0026	0.0030	0.0034	0.0038	0.0040	0.0041	0.0043	0.0044			
	B17	3385	0.0000	0.0015	0.0022	0.0027	0.0030	0.0034	0.0038	0.0040	0.0041	0.0042	0.0044			
	B18	3431	0.0000	0.0016	0.0022	0.0028	0.0031	0.0035	0.0038	0.0040	0.0041	0.0042	0.0042			
	B19	3389	0.0000	0.0015	0.0023	0.0028	0.0031	0.0035	0.0038	0.0040	0.0042	0.0043	0.0045			
	B20	3394	0.0000	0.0016	0.0024	0.0028	0.0032	0.0036	0.0038	0.0039	0.0040	0.0040	0.0042			
	B23	3464	0.0000	0.0015	0.0022	0.0028	0.0031	0.0035	0.0038	0.0040	0.0042	0.0044	0.0044			
	ave	**3491**	**0.0000**	**0.0016**	**0.0023**	**0.0028**	**0.0031**	**0.0035**	**0.0038**	**0.0040**	**0.0041**	**0.0042**	**0.0043**			

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 5: CCT = 2650K, T_J = 103C	B1	2727	3.124	3.120	3.116	3.118	3.127	3.152	3.227	3.310	3.330	3.333				
	B2	2633	3.202	3.195	3.190	3.192	3.206	3.265	3.414	3.447	3.455	3.456				
	B3	2650	3.140	3.132	3.127	3.129	3.142	3.189	3.263	3.274	3.277	3.280				
	B4	2615	3.107	3.102	3.096	3.101	3.111	3.153	3.214	3.226	3.233	3.235				
	B5	2660	3.186	3.178	3.172	3.176	3.189	3.224	3.251	3.257	3.261	3.262				
	B6	2699	3.268	3.253	3.237	3.227	3.233	3.248	3.258	3.267	3.271	3.274				
	B7	2643	3.131	3.123	3.117	3.121	3.134	3.181	3.252	3.263	3.270	3.273				
	B8	2674	3.197	3.190	3.186	3.184	3.198	3.246	3.345	3.367	3.376	3.378				
	B9	2633	3.190	3.185	3.181	3.183	3.193	3.230	3.331	3.400	3.417	3.422				
	B10	2593	3.349	3.336	3.332	3.347	3.392	3.634	3.842	3.847	3.863	3.870				
	B21	2658	3.207	3.200	3.195	3.199	3.216	3.296	3.430	3.446	3.451	3.458				
	B22	2704	3.152	3.144	3.139	3.145	3.164	3.250	3.317	3.324	3.328	3.329				
	B23	2668	3.127	3.117	3.114	3.119	3.145	3.234	3.260	3.266	3.270	3.271				
	B24	2677	3.187	3.179	3.176	3.180	3.197	3.252	3.285	3.293	3.295	3.299				
	B25	2670	3.101	3.095	3.089	3.101	3.136	3.234	3.257	3.264	3.268	3.269				
	B26	2651	3.241	3.231	3.228	3.238	3.277	3.548	3.645	3.653	3.657	3.657				
	B27	2645	3.123	3.115	3.111	3.114	3.129	3.214	3.309	3.316	3.320	3.321				
	B28	2740	3.151	3.144	3.139	3.145	3.168	3.242	3.271	3.276	3.279	3.282				
	B29	2706	3.162	3.154	3.152	3.156	3.171	3.219	3.273	3.285	3.290	3.291				
	B30	2656	3.140	3.132	3.129	3.135	3.165	3.248	3.261	3.264	3.266	3.267				
	B41	2653	3.139	3.136	3.132	3.131	3.132	3.139	3.151	3.180	3.214	3.258				
	B42	2680	3.173	3.169	3.165	3.166	3.168	3.173	3.188	3.226	3.265	3.317				
	B43	2671	3.263	3.259	3.248	3.243	3.242	3.249	3.261	3.280	3.290	3.294				
	B44	2719	3.216	3.214	3.210	3.208	3.210	3.218	3.234	3.276	3.327	3.375				
	B45	2677	3.181	3.177	3.173	3.172	3.173	3.181	3.202	3.233	3.255	3.263				
	ave	**2668**	**3.178**													
DATA SET 14: CCT = 3000K, T_J = 103C	B11	3082	3.246	3.233	3.221	3.213	3.210	3.211	3.218	3.236	3.244	3.249				
	B12	3036	3.259	3.250	3.238	3.230	3.225	3.234	3.244	3.255	3.263	3.266				
	B13	2987	3.324	3.269	3.251	3.241	3.238	3.246	3.258	3.262	3.263	3.266				
	B14	2963	3.226	3.203	3.187	3.177	3.171	3.169	3.178	3.189	3.194	3.199				
	B15	3033	3.115	3.116	3.108	3.108	3.109	3.111	3.120	3.136	3.153	3.169				
	B16	3030	3.292	3.277	3.250	3.234	3.226	3.225	3.232	3.241	3.247	3.252				
	B17	2934	3.269	3.245	3.218	3.204	3.195	3.189	3.192	3.199	3.204	3.207				
	B18	3017	3.157	3.140	3.131	3.129	3.125	3.123	3.131	3.139	3.146	3.151				
	B19	3033	3.139	3.136	3.128	3.126	3.125	3.123	3.124	3.131	3.134	3.139				
	B20	2957	3.263	3.257	3.241	3.231	3.227	3.229	3.238	3.247	3.252	3.256				
	B31	3020	3.303	3.297	3.290	3.290	3.329	3.383	3.394	3.405	3.409	3.412				
	B32	3130	3.391	3.308	3.276	3.277	3.283	3.290	3.295	3.299	3.300	3.302				
	B33	3078	3.120	3.114	3.109	3.121	3.162	3.282	3.299	3.303	3.307	3.309				
	B34	3067	3.212	3.205	3.201	3.213	3.295	3.509	3.531	3.541	3.548	3.551				
	B35	3086	3.344	3.287	3.261	3.260	3.268	3.271	3.276	3.281	3.279	3.278				
	B36	3091	3.080	3.075	3.070	3.082	3.136	3.258	3.269	3.273	3.276	3.279				
	B37	3058	3.161	3.151	3.145	3.147	3.164	3.235	3.264	3.272	3.276	3.279				
	B38	3144	3.101	3.093	3.087	3.099	3.151	3.267	3.278	3.283	3.285	3.287				
	B39	3037	3.153	3.143	3.137	3.139	3.155	3.225	3.273	3.283	3.289	3.291				
	B40	3074	3.127	3.117	3.112	3.114	3.128	3.191	3.255	3.266	3.271	3.274				
	B51	3018	3.236	3.225	3.211	3.203	3.207	3.222	3.235	3.243	3.248	3.249				
	B52	3072	3.160	3.153	3.149	3.150	3.164	3.241	3.330	3.345	3.350	3.350				
	B53	3116	3.202	3.196	3.188	3.189	3.204	3.292	3.394	3.407	3.412	3.413				
	B54	2993	3.289	3.280	3.273	3.270	3.288	3.391	3.539	3.559	3.563	3.570				
	B55	3066	3.180	3.173	3.166	3.169	3.183	3.259	3.325	3.339	3.344	3.344				
	ave	**3045**	**3.214**													
DATA SET 23: CCT = 3500K, T_J = 110C	A17	3683	3.115	3.117	3.096	3.078	3.081	3.090	3.106	3.129	3.149	3.180	3.197			
	A28	3663	3.272	3.272	3.233	3.201	3.197	3.196	3.206	3.210	3.220	3.242	3.258			
	A29	3539	3.170	3.166	3.147	3.126	3.122	3.117	3.121	3.123	3.132	3.150	3.167			
	A51	3634	3.296	3.290	3.263	3.235	3.228	3.216	3.216	3.217	3.222	3.238	3.254			
	A56	3695	3.126	3.128	3.100	3.082	3.082	3.090	3.114	3.151	3.188	3.228	3.246			
	A58	3699	3.462	3.377	3.326	3.298	3.293	3.297	3.311	3.315	3.320	3.341	3.359			
	A66	3661	3.276	3.264	3.229	3.204	3.201	3.207	3.228	3.243	3.254	3.281	3.301			
	A67	3657	3.268	3.267	3.234	3.209	3.201	3.200	3.207	3.209	3.217	3.238	3.253			
	B3	3464	3.060	3.048	3.042	3.045	3.043	3.047	3.069	3.121	3.199	3.265	3.279			
	B4	3389	3.049	3.039	3.031	3.034	3.033	3.035	3.052	3.092	3.155	3.234	3.251			
	B5	3394	3.111	3.098	3.092	3.096	3.093	3.096	3.104	3.128	3.166	3.275	3.335			
	B6	3393	3.096	3.087	3.081	3.084	3.081	3.081	3.084	3.099	3.121	3.171	3.245			
	B7	3372	3.043	3.033	3.027	3.028	3.028	3.028	3.042	3.073	3.118	3.197	3.221			
	B8	3437	3.108	3.098	3.090	3.096	3.093	3.094	3.102	3.123	3.158	3.253	3.318			
	B9	3366	3.112	3.103	3.093	3.095	3.092	3.092	3.099	3.117	3.147	3.224	3.286			
	B10	3394	3.091	3.082	3.076	3.078	3.073	3.074	3.077	3.087	3.101	3.135	3.190			
	B13	3377	3.096	3.087	3.081	3.084	3.081	3.084	3.096	3.128	3.174	3.244	3.271			
	B14	3487	3.102	3.092	3.085	3.090	3.086	3.089	3.103	3.132	3.184	3.275	3.303			
	B15	3480	3.058	3.048	3.043	3.047	3.044	3.045	3.055	3.083	3.132	3.241	3.277			
	B16	3440	3.042	3.032	3.023	3.027	3.023	3.027	3.035	3.064	3.111	3.199	3.227			
	B17	3385	3.101	3.092	3.086	3.088	3.085	3.086	3.094	3.116	3.152	3.234	3.285			
	B18	3431	3.057	3.049	3.039	3.038	3.036	3.037	3.049	3.078	3.127	3.228	3.260			
	B19	3389	3.042	3.032	3.024	3.024	3.024	3.025	3.037	3.060	3.101	3.184	3.219			
	B20	3394	3.097	3.088	3.084	3.086	3.082	3.082	3.087	3.098	3.119	3.172	3.263			
	B23	3464	3.090	3.083	3.076	3.080	3.077	3.080	3.096	3.134	3.190	3.253	3.273			
	ave	**3491**	**3.134**													

$T_S = T_{AIR} = 85°C, I_F = 0.7A$

$T_S \geq 83C, T_{AIR} \geq 80C$ in compliance with LM-80-08

Lumen Data

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	Lumen Maintenance % at 6khours
DATA SET 29: CCT = 4000K, T_J = 110C	A1	4049	131.064	130.496	131.458	131.099	131.289	130.932	129.147	129.152	129.656	129.040	127.626				**98.5**
	A8	3864	123.042	121.061	121.781	121.311	120.731	120.431	115.672	115.634	116.063	116.072	115.493				**94.3**
	A11	4053	128.383	128.492	129.770	129.563	129.636	129.491	128.961	129.132	130.055	128.912	127.938				**100.4**
	A16	3870	121.213	118.422	118.878	117.994	117.061	116.521	115.902	115.388	115.901	114.875	114.190				**94.8**
	A18	3895	123.084	121.641	122.154	121.681	121.269	121.010	120.667	120.508	121.103	119.995	119.286				**97.5**
	A19	3884	106.622	101.917	102.216	101.345	100.557	99.619	99.077	98.444	99.147	98.354	97.866				**92.2**
	A26	3919	127.200	126.569	127.332	126.700	126.368	125.728	124.508	124.079	124.461	123.307	122.790				**96.9**
	A27	3933	128.971	128.554	129.679	129.339	129.228	129.128	127.596	126.855	126.787	125.476	124.679				**97.3**
	A31	4117	134.261	133.902	135.258	134.958	135.070	134.819	133.975	135.008	136.170	135.241	134.129				**100.7**
	A38	3876	118.468	115.006	115.391	114.801	114.657	114.008	113.032	112.483	112.961	111.696	111.403				**94.3**
	A39	3952	114.281	110.976	111.526	110.801	110.471	109.792	108.431	107.868	108.480	107.606	107.243				**94.2**
	A41	3908	125.083	124.225	125.369	124.901	130.268	130.053	131.092	131.109	132.066	130.623	129.592				**104.4**
	A47	3856	128.459	128.121	129.127	128.656	128.092	127.659	127.688	127.253	127.719	126.378	125.789				**98.4**
	A49	3944	122.224	119.091	119.598	119.121	118.386	117.806	117.715	117.036	117.574	116.051	115.552				**94.9**
	A50	4077	131.865	131.565	132.987	132.808	132.543	133.122	133.143	132.283	132.096	130.120	129.562				**98.7**
	A61	4018	126.948	126.228	127.015	126.394	128.155	127.509	127.695	127.037	127.408	126.555	125.931				**99.7**
	A68	4002	127.057	126.453	127.302	126.865	126.190	125.866	124.972	124.459	125.013	123.242	122.758				**97.0**
	A70	4204	131.658	131.268	132.533	132.377	131.881	131.995	130.619	130.412	130.873	128.299	127.046				**97.4**
	A76	3980	128.626	128.030	129.106	128.925	128.821	128.727	125.529	125.370	126.196	126.852	125.919				**98.6**
	A79	3889	120.444	119.335	119.834	119.056	118.608	118.206	117.597	117.164	117.757	116.699	116.427				**96.9**
	A80	3992	128.127	127.748	128.934	128.710	128.484	128.910	126.291	126.659	127.312	126.193	125.142				**98.5**
	B1	4143	129.166	128.743	130.091	129.315	130.297	130.422	129.558	129.561	129.935	128.946	128.190				**99.8**
	B2	4151	131.717	131.039	132.652	132.095	132.917	133.001	131.717	131.515	131.495	130.348	129.567				**99.0**
	B11	4251	131.026	130.558	131.878	131.901	131.490	131.050	130.457	130.083	130.992	130.131	129.394				**99.3**
	B21	4319	128.502	127.919	129.395	129.691	130.025	130.498	129.253	128.614	128.634	127.113	126.466				**98.9**
	ave	**4006**															**97.7**
DATA SET 35: CCT > 5000K, T_J = 112C	B11	6308	100.694	101.564	101.991	101.853	100.644	99.487	99.325	98.841	98.194	97.220	95.839	95.061	94.263		**96.5**
	B12	6442	100.103	100.912	101.118	101.060	100.070	98.669	98.475	97.942	97.174	96.196	95.038	94.330	93.620		**96.1**
	B13	6415	101.410	102.188	102.414	102.389	101.510	100.125	100.144	99.547	98.577	97.311	96.056	95.292	94.867		**96.0**
	B14	6472	101.302	102.148	102.404	102.479	101.466	100.186	100.348	99.779	99.066	98.301	97.005	96.410	95.764		**97.0**
	B15	6378	101.222	102.156	102.506	102.539	101.667	100.331	100.325	99.974	99.685	99.057	98.058	97.615	96.909		**97.9**
	B16	6013	122.163	123.607	123.657	123.487	122.668	121.312	120.665	120.347	119.627	119.484	118.608	118.010	117.194		**97.8**
	B17	5986	123.826	123.834	124.159	123.555	123.042	121.233	121.226	120.704	120.583	120.718	119.171	118.619	117.969		**97.5**
	B18	5881	122.290	122.511	122.542	122.319	121.901	119.991	119.974	119.569	118.589	118.660	118.014	117.488	116.709		**97.0**
	B19	5871	119.572	119.845	119.954	119.771	119.168	116.735	117.243	116.820	117.227	117.155	116.849	116.532	115.967		**98.0**
	B20	5776	124.156	124.411	124.625	124.434	123.839	121.853	121.818	121.280	120.775	120.655	120.472	120.047	119.385		**97.2**
	B22	6119	118.308	117.804	117.363	116.780	115.892	114.607	114.562	113.906	113.945	113.769	113.271	112.190	111.785		**96.2**
	B23	6065	121.310	120.625	119.846	119.444	118.411	117.097	116.761	116.142	115.704	114.526	113.360	112.123	110.923		**94.4**
	B24	5910	122.514	121.793	121.545	120.788	119.744	118.044	117.895	117.160	116.941	116.146	115.869	114.915	114.400		**94.8**
	B25	5932	122.602	121.913	121.404	120.741	119.702	118.078	117.776	117.305	116.982	116.687	116.232	115.601	115.440		**95.2**
	A45	6451	104.677	106.073	106.801	106.914	106.301	104.935	105.069	104.496	104.174	103.640	102.690	102.957	102.581		**99.0**
	A46	6392	101.279	102.368	102.935	103.225	102.400	101.122	101.087	100.636	100.443	99.896	98.786	98.711	98.228		**98.6**
	A47	6369	100.249	101.214	102.198	102.681	102.033	100.662	100.493	99.960	99.799	99.217	97.545	97.795	97.290		**99.0**
	A48	6370	102.098	102.939	103.678	104.164	103.546	102.546	102.683	102.339	102.084	101.365	100.041	100.051	99.551		**99.3**
	A50	6418	100.876	101.607	102.276	102.991	102.438	101.705	101.767	101.331	101.315	100.965	100.006	100.119	99.711		**100.1**
	A51	5745	124.531	124.696	124.833	124.820	124.315	121.325	121.301	120.706	120.604	120.273	119.026	119.801	119.205		**96.6**
	A52	5595	126.979	127.016	127.222	127.252	126.594	124.492	124.355	123.904	123.831	123.532	122.025	122.812	122.360		**97.3**
	A53	5548	126.917	126.987	127.193	127.211	126.514	124.266	124.217	123.715	123.449	122.938	121.251	121.715	121.296		**96.9**
	A54	5546	124.266	124.336	124.586	124.569	123.846	121.896	121.898	121.354	121.326	120.726	117.177	119.623	119.139		**97.2**
	A55	5508	124.116	124.295	124.528	124.455	123.915	122.122	122.124	121.563	121.524	121.057	119.245	119.866	119.466		**97.5**
	A63	6467	104.122	104.617	104.846	105.020	104.138	102.106	101.973	101.467	101.150	100.796	99.414	100.085	99.718		**96.8**
	ave	**6079**															**97.2**

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

			Normalized flux												
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 29: CCT = 4000K, T_J = 110C	A1	4049	1.0000	0.9957	1.0030	1.0003	1.0017	0.9990	0.9854	0.9854	0.9893	0.9846	0.9738			
	A8	3864	1.0000	0.9839	0.9897	0.9859	0.9812	0.9788	0.9401	0.9398	0.9433	0.9433	0.9386			
	A11	4053	1.0000	1.0009	1.0108	1.0092	1.0098	1.0086	1.0045	1.0058	1.0130	1.0041	0.9965			
	A16	3870	1.0000	0.9770	0.9807	0.9734	0.9657	0.9613	0.9562	0.9519	0.9562	0.9477	0.9421			
	A18	3895	1.0000	0.9883	0.9924	0.9886	0.9853	0.9832	0.9804	0.9791	0.9839	0.9749	0.9691			
	A19	3884	1.0000	0.9559	0.9587	0.9505	0.9431	0.9343	0.9292	0.9233	0.9299	0.9225	0.9179			
	A26	3919	1.0000	0.9950	1.0010	0.9961	0.9935	0.9884	0.9788	0.9755	0.9785	0.9694	0.9653			
	A27	3933	1.0000	0.9968	1.0055	1.0029	1.0020	1.0012	0.9893	0.9836	0.9831	0.9729	0.9667			
	A31	4117	1.0000	0.9973	1.0074	1.0052	1.0060	1.0042	0.9979	1.0056	1.0142	1.0073	0.9990			
	A38	3876	1.0000	0.9708	0.9740	0.9691	0.9678	0.9624	0.9541	0.9495	0.9535	0.9428	0.9404			
	A39	3952	1.0000	0.9711	0.9759	0.9695	0.9667	0.9607	0.9488	0.9439	0.9492	0.9416	0.9384			
	A41	3908	1.0000	0.9931	1.0023	0.9985	1.0415	1.0397	1.0480	1.0482	1.0558	1.0443	1.0361			
	A47	3856	1.0000	0.9974	1.0052	1.0015	0.9971	0.9938	0.9940	0.9906	0.9942	0.9838	0.9792			
	A49	3944	1.0000	0.9744	0.9785	0.9746	0.9686	0.9638	0.9631	0.9576	0.9620	0.9495	0.9454			
	A50	4077	1.0000	0.9977	1.0085	1.0071	1.0051	1.0095	1.0097	1.0032	1.0017	0.9868	0.9825			
	A61	4018	1.0000	0.9943	1.0005	0.9956	1.0095	1.0044	1.0059	1.0007	1.0036	0.9969	0.9920			
	A68	4002	1.0000	0.9952	1.0019	0.9985	0.9932	0.9906	0.9836	0.9796	0.9839	0.9700	0.9662			
	A70	4204	1.0000	0.9970	1.0066	1.0055	1.0017	1.0026	0.9921	0.9905	0.9940	0.9745	0.9650			
	A76	3980	1.0000	0.9954	1.0037	1.0023	1.0015	1.0008	0.9759	0.9747	0.9811	0.9862	0.9790			
	A79	3889	1.0000	0.9908	0.9949	0.9885	0.9847	0.9814	0.9764	0.9728	0.9777	0.9689	0.9666			
	A80	3992	1.0000	0.9970	1.0063	1.0046	1.0028	1.0061	0.9857	0.9885	0.9936	0.9849	0.9767			
	B1	4143	1.0000	0.9967	1.0072	1.0011	1.0088	1.0097	1.0030	1.0031	1.0060	0.9983	0.9924			
	B2	4151	1.0000	0.9948	1.0071	1.0029	1.0091	1.0097	1.0000	0.9985	0.9983	0.9896	0.9837			
	B11	4251	1.0000	0.9964	1.0065	1.0067	1.0035	1.0002	0.9957	0.9928	0.9997	0.9932	0.9875			
	B21	4319	1.0000	0.9955	1.0069	1.0092	1.0119	1.0155	1.0058	1.0009	1.0010	0.9892	0.9842			
	ave	**4006**	**1.0000**	**0.9899**	**0.9974**	**0.9939**	**0.9945**	**0.9924**	**0.9841**	**0.9818**	**0.9859**	**0.9771**	**0.9714**			
DATA SET 35: CCT > 5000K, T_J = 112C	B11	6308	1.0000	1.0086	1.0129	1.0115	0.9995	0.9880	0.9864	0.9816	0.9752	0.9655	0.9518	0.9441	0.9361	
	B12	6442	1.0000	1.0081	1.0101	1.0096	0.9997	0.9857	0.9837	0.9784	0.9707	0.9610	0.9494	0.9423	0.9352	
	B13	6415	1.0000	1.0077	1.0099	1.0097	1.0010	0.9873	0.9875	0.9816	0.9721	0.9596	0.9472	0.9397	0.9355	
	B14	6472	1.0000	1.0084	1.0109	1.0116	1.0016	0.9890	0.9906	0.9850	0.9779	0.9704	0.9576	0.9517	0.9453	
	B15	6378	1.0000	1.0092	1.0127	1.0130	1.0044	0.9912	0.9911	0.9877	0.9848	0.9786	0.9687	0.9644	0.9574	
	B16	6013	1.0000	1.0118	1.0122	1.0108	1.0041	0.9930	0.9877	0.9851	0.9792	0.9781	0.9709	0.9660	0.9593	
	B17	5986	1.0000	1.0001	1.0027	0.9978	0.9937	0.9791	0.9790	0.9748	0.9738	0.9749	0.9624	0.9580	0.9527	
	B18	5881	1.0000	1.0018	1.0021	1.0002	0.9968	0.9812	0.9811	0.9777	0.9697	0.9703	0.9650	0.9607	0.9544	
	B19	5871	1.0000	1.0023	1.0032	1.0017	0.9966	0.9763	0.9805	0.9770	0.9804	0.9798	0.9772	0.9746	0.9699	
	B20	5776	1.0000	1.0021	1.0038	1.0022	0.9974	0.9815	0.9812	0.9768	0.9728	0.9718	0.9703	0.9669	0.9616	
	B22	6119	1.0000	0.9957	0.9920	0.9871	0.9796	0.9687	0.9683	0.9628	0.9631	0.9616	0.9574	0.9483	0.9449	
	B23	6065	1.0000	0.9944	0.9879	0.9846	0.9761	0.9653	0.9625	0.9574	0.9538	0.9441	0.9345	0.9243	0.9144	
	B24	5910	1.0000	0.9941	0.9921	0.9859	0.9774	0.9635	0.9623	0.9563	0.9545	0.9480	0.9458	0.9380	0.9338	
	B25	5932	1.0000	0.9944	0.9902	0.9848	0.9763	0.9631	0.9606	0.9568	0.9542	0.9518	0.9480	0.9429	0.9416	
	A45	6451	1.0000	1.0133	1.0203	1.0214	1.0155	1.0025	1.0037	0.9983	0.9952	0.9901	0.9810	0.9836	0.9800	
	A46	6392	1.0000	1.0108	1.0163	1.0192	1.0111	0.9985	0.9981	0.9937	0.9917	0.9863	0.9754	0.9746	0.9699	
	A47	6369	1.0000	1.0096	1.0194	1.0243	1.0178	1.0041	1.0024	0.9971	0.9955	0.9897	0.9730	0.9755	0.9705	
	A48	6370	1.0000	1.0082	1.0155	1.0202	1.0142	1.0044	1.0057	1.0024	0.9999	0.9928	0.9798	0.9800	0.9751	
	A50	6418	1.0000	1.0073	1.0139	1.0210	1.0155	1.0082	1.0088	1.0045	1.0044	1.0009	0.9914	0.9925	0.9885	
	A51	5745	1.0000	1.0013	1.0024	1.0023	0.9983	0.9743	0.9741	0.9693	0.9685	0.9658	0.9558	0.9620	0.9572	
	A52	5595	1.0000	1.0003	1.0019	1.0021	0.9970	0.9804	0.9793	0.9758	0.9752	0.9729	0.9610	0.9672	0.9636	
	A53	5548	1.0000	1.0005	1.0022	1.0023	0.9968	0.9791	0.9787	0.9748	0.9727	0.9686	0.9554	0.9590	0.9557	
	A54	5546	1.0000	1.0006	1.0026	1.0024	0.9966	0.9809	0.9809	0.9766	0.9763	0.9715	0.9430	0.9626	0.9587	
	A55	5508	1.0000	1.0014	1.0033	1.0027	0.9984	0.9839	0.9840	0.9794	0.9791	0.9754	0.9608	0.9658	0.9625	
	A63	6467	1.0000	1.0048	1.0069	1.0086	1.0001	0.9806	0.9794	0.9745	0.9715	0.9681	0.9548	0.9612	0.9577	
	ave	**6079**	**1.0000**	**1.0039**	**1.0059**	**1.0055**	**0.9986**	**0.9844**	**0.9839**	**0.9794**	**0.9765**	**0.9719**	**0.9615**	**0.9602**	**0.9553**	

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 29: CCT = 4000K, T_J = 110C	A1	4049	3.6122E-06	1.0024	0.670	99,395
	A8	3864	5.5796E-06	0.9713	0.416	58,707
	A11	4053	1.5528E-06	1.0125	0.284	237,684
	A16	3870	3.5239E-06	0.9678	0.831	91,916
	A18	3895	2.3876E-06	0.9890	0.613	144,744
	A19	3884	2.9612E-06	0.9386	0.729	99,047
	A26	3919	4.1204E-06	0.9942	0.869	85,158
	A27	3933	6.4611E-06	1.0117	0.956	57,010
	A31	4117	-3.1721E-07	1.0032	0.010	-1,134,595
	A38	3876	4.1997E-06	0.9685	0.858	77,320
	A39	3952	3.8491E-06	0.9636	0.757	83,039
	A41	3908	6.0663E-07	1.0482	0.029	665,551
	A47	3856	2.8879E-06	1.0022	0.711	124,264
	A49	3944	3.8487E-06	0.9736	0.789	85,718
	A50	4077	5.8819E-06	1.0256	0.895	64,945
	A61	4018	2.4647E-06	1.0117	0.760	149,445
	A68	4002	4.6407E-06	0.9996	0.844	76,771
	A70	4204	6.8940E-06	1.0174	0.828	54,245
	A76	3980	2.0638E-06	0.9921	0.156	168,973
	A79	3889	2.6805E-06	0.9858	0.765	127,716
	A80	3992	4.1575E-06	1.0079	0.604	87,684
	B1	4143	2.7892E-06	1.0147	0.747	133,118
	B2	4151	4.6370E-06	1.0176	0.918	80,685
	B11	4251	1.8323E-06	1.0031	0.512	196,341
	B21	4319	5.9106E-06	1.0263	0.949	64,741
	ave	**4006**	**3.5583E-06**	**0.9979**	**0.806**	**99,658**
DATA SET 35: CCT > 5000K, T_J = 112C	B11	6308	9.9627E-06	1.0231	0.991	38,089
	B12	6442	9.3394E-06	1.0159	0.994	39,879
	B13	6415	1.0155E-05	1.0210	0.978	37,171
	B14	6472	8.5757E-06	1.0198	0.989	43,882
	B15	6378	6.5364E-06	1.0158	0.982	56,966
	B16	6013	5.1696E-06	1.0063	0.977	70,214
	B17	5986	5.0503E-06	0.9983	0.880	70,286
	B18	5881	4.4143E-06	0.9944	0.952	79,532
	B19	5871	1.6313E-06	0.9869	0.594	210,539
	B20	5776	2.8105E-06	0.9879	0.939	122,578
	B22	6119	4.1409E-06	0.9824	0.872	81,850
	B23	6065	9.5551E-06	0.9980	0.985	37,123
	B24	5910	4.9733E-06	0.9771	0.974	67,060
	B25	5932	3.4189E-06	0.9705	0.980	95,573
	A45	6451	3.9144E-06	1.0135	0.890	94,534
	A46	6392	5.2702E-06	1.0161	0.948	70,711
	A47	6369	6.0911E-06	1.0232	0.884	62,325
	A48	6370	6.0454E-06	1.0279	0.936	63,546
	A50	6418	3.5930E-06	1.0206	0.896	104,933
	A51	5745	2.6579E-06	0.9799	0.701	126,541
	A52	5595	2.8498E-06	0.9874	0.683	120,698
	A53	5548	4.4287E-06	0.9925	0.839	78,836
	A54	5546	4.6952E-06	0.9946	0.426	74,817
	A55	5508	4.0941E-06	0.9966	0.771	86,297
	A63	6467	3.7861E-06	0.9886	0.747	91,184
	ave	**6079**	**5.3141E-06**	**1.0014**	**0.962**	**67,386**

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

		CCT	u'													
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 29: CCT = 4000K, T_J = 110C	A1	4049	0.2254	0.2241	0.2235	0.2232	0.2228	0.2225	0.2223	0.2222	0.2221	0.2220	0.2220			
	A8	3864	0.2276	0.2259	0.2252	0.2248	0.2246	0.2242	0.2244	0.2242	0.2241	0.2239	0.2239			
	A11	4053	0.2260	0.2247	0.2240	0.2237	0.2234	0.2231	0.2228	0.2226	0.2225	0.2225	0.2224			
	A16	3870	0.2284	0.2265	0.2257	0.2252	0.2249	0.2245	0.2241	0.2239	0.2238	0.2238	0.2238			
	A18	3895	0.2270	0.2255	0.2249	0.2245	0.2243	0.2239	0.2235	0.2233	0.2233	0.2232	0.2232			
	A19	3884	0.2285	0.2262	0.2254	0.2249	0.2246	0.2242	0.2239	0.2238	0.2238	0.2238	0.2238			
	A26	3919	0.2283	0.2270	0.2263	0.2259	0.2256	0.2253	0.2250	0.2248	0.2247	0.2247	0.2246			
	A27	3933	0.2277	0.2263	0.2256	0.2253	0.2250	0.2247	0.2245	0.2243	0.2242	0.2242	0.2242			
	A31	4117	0.2254	0.2241	0.2235	0.2231	0.2228	0.2225	0.2222	0.2220	0.2219	0.2217	0.2217			
	A38	3876	0.2289	0.2267	0.2260	0.2255	0.2252	0.2247	0.2245	0.2243	0.2242	0.2242	0.2242			
	A39	3952	0.2288	0.2268	0.2261	0.2256	0.2253	0.2248	0.2246	0.2244	0.2243	0.2243	0.2243			
	A41	3908	0.2275	0.2262	0.2255	0.2252	0.2244	0.2241	0.2236	0.2234	0.2233	0.2232	0.2232			
	A47	3856	0.2287	0.2273	0.2266	0.2262	0.2260	0.2256	0.2252	0.2250	0.2249	0.2249	0.2249			
	A49	3944	0.2272	0.2252	0.2244	0.2240	0.2238	0.2234	0.2230	0.2228	0.2228	0.2227	0.2228			
	A50	4077	0.2240	0.2226	0.2220	0.2216	0.2215	0.2213	0.2209	0.2206	0.2206	0.2206	0.2206			
	A61	4018	0.2271	0.2258	0.2251	0.2247	0.2243	0.2240	0.2236	0.2234	0.2233	0.2233	0.2233			
	A68	4002	0.2270	0.2256	0.2249	0.2245	0.2243	0.2240	0.2236	0.2235	0.2234	0.2234	0.2234			
	A70	4204	0.2237	0.2223	0.2216	0.2212	0.2211	0.2208	0.2206	0.2205	0.2204	0.2204	0.2204			
	A76	3980	0.2266	0.2252	0.2246	0.2242	0.2239	0.2236	0.2235	0.2234	0.2232	0.2230	0.2230			
	A79	3889	0.2282	0.2266	0.2259	0.2254	0.2252	0.2248	0.2245	0.2243	0.2243	0.2243	0.2243			
	A80	3992	0.2270	0.2255	0.2248	0.2244	0.2243	0.2240	0.2238	0.2237	0.2236	0.2236	0.2236			
	B1	4143	0.2248	0.2234	0.2227	0.2223	0.2221	0.2219	0.2217	0.2216	0.2215	0.2214	0.2214			
	B2	4151	0.2239	0.2226	0.2219	0.2215	0.2214	0.2211	0.2211	0.2209	0.2208	0.2207	0.2207			
	B11	4251	0.2244	0.2230	0.2224	0.2219	0.2217	0.2215	0.2212	0.2211	0.2210	0.2210	0.2210			
	B21	4319	0.2243	0.2230	0.2223	0.2218	0.2215	0.2211	0.2209	0.2206	0.2204	0.2204	0.2204			
	ave	**4006**														
DATA SET 35: CCT > 5000K, T_J = 112C	B11	6308	0.2060	0.2059	0.2061	0.2061	0.2062	0.2062	0.2062	0.2063	0.2064	0.2065	0.2065	0.2066	0.2066	
	B12	6442	0.2064	0.2063	0.2065	0.2065	0.2066	0.2066	0.2067	0.2068	0.2069	0.2069	0.2069	0.2070	0.2069	
	B13	6415	0.2054	0.2054	0.2056	0.2056	0.2056	0.2057	0.2058	0.2059	0.2060	0.2060	0.2060	0.2060	0.2060	
	B14	6472	0.2050	0.2050	0.2051	0.2052	0.2052	0.2052	0.2053	0.2054	0.2055	0.2056	0.2056	0.2056	0.2056	
	B15	6378	0.2046	0.2046	0.2048	0.2049	0.2049	0.2049	0.2050	0.2051	0.2052	0.2052	0.2053	0.2053	0.2053	
	B16	6013	0.2117	0.2116	0.2116	0.2117	0.2117	0.2124	0.2124	0.2125	0.2126	0.2127	0.2127	0.2128	0.2128	
	B17	5986	0.2115	0.2115	0.2116	0.2116	0.2116	0.2117	0.2117	0.2118	0.2118	0.2119	0.2121	0.2122	0.2122	
	B18	5881	0.2115	0.2114	0.2116	0.2116	0.2116	0.2117	0.2117	0.2118	0.2121	0.2121	0.2121	0.2122	0.2122	
	B19	5871	0.2114	0.2113	0.2115	0.2115	0.2116	0.2120	0.2119	0.2120	0.2120	0.2120	0.2121	0.2121	0.2122	
	B20	5776	0.2113	0.2112	0.2113	0.2113	0.2113	0.2117	0.2117	0.2118	0.2119	0.2119	0.2120	0.2120	0.2120	
	B22	6119	0.2084	0.2085	0.2085	0.2086	0.2086	0.2086	0.2085	0.2085	0.2085	0.2084	0.2083	0.2084	0.2084	
	B23	6065	0.2085	0.2085	0.2086	0.2087	0.2087	0.2086	0.2086	0.2085	0.2084	0.2084	0.2083	0.2084	0.2084	
	B24	5910	0.2086	0.2086	0.2087	0.2088	0.2088	0.2088	0.2088	0.2087	0.2087	0.2086	0.2086	0.2086	0.2086	
	B25	5932	0.2086	0.2086	0.2087	0.2087	0.2088	0.2090	0.2090	0.2090	0.2089	0.2089	0.2088	0.2089	0.2089	
	A45	6451	0.1990	0.1989	0.1992	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1994	0.1994	
	A46	6392	0.2043	0.2042	0.2044	0.2045	0.2045	0.2044	0.2045	0.2046	0.2047	0.2047	0.2048	0.2049	0.2049	
	A47	6369	0.2040	0.2040	0.2041	0.2042	0.2043	0.2042	0.2042	0.2043	0.2044	0.2045	0.2045	0.2046	0.2046	
	A48	6370	0.2033	0.2032	0.2035	0.2035	0.2036	0.2035	0.2036	0.2037	0.2038	0.2038	0.2039	0.2039	0.2039	
	A50	6418	0.2053	0.2052	0.2054	0.2054	0.2055	0.2054	0.2054	0.2055	0.2056	0.2056	0.2057	0.2058	0.2058	
	A51	5745	0.2110	0.2109	0.2111	0.2111	0.2111	0.2115	0.2116	0.2116	0.2117	0.2117	0.2118	0.2118	0.2118	
	A52	5595	0.2106	0.2106	0.2107	0.2107	0.2107	0.2108	0.2109	0.2109	0.2110	0.2111	0.2111	0.2111	0.2112	
	A53	5548	0.2106	0.2105	0.2106	0.2106	0.2107	0.2108	0.2108	0.2109	0.2110	0.2110	0.2110	0.2111	0.2111	
	A54	5546	0.2104	0.2104	0.2105	0.2105	0.2105	0.2106	0.2107	0.2108	0.2108	0.2109	0.2109	0.2109	0.2110	
	A55	5508	0.2103	0.2103	0.2104	0.2104	0.2104	0.2106	0.2107	0.2107	0.2108	0.2108	0.2109	0.2109	0.2110	
	A63	6467	0.2061	0.2061	0.2062	0.2063	0.2063	0.2063	0.2063	0.2064	0.2065	0.2066	0.2067	0.2067	0.2068	
	ave	**6079**														

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$
$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

		CCT	v'													
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 29: CCT = 4000K, T_J = 110C	A1	4049	0.4983	0.4981	0.4978	0.4975	0.4977	0.4979	0.4982	0.4982	0.4984	0.4986	0.4986			
	A8	3864	0.5044	0.5038	0.5035	0.5032	0.5035	0.5036	0.5047	0.5046	0.5048	0.5045	0.5047			
	A11	4053	0.4967	0.4963	0.4960	0.4956	0.4958	0.4960	0.4960	0.4960	0.4962	0.4963	0.4965			
	A16	3870	0.5022	0.5011	0.5009	0.5006	0.5009	0.5009	0.5008	0.5008	0.5010	0.5011	0.5013			
	A18	3895	0.5038	0.5034	0.5031	0.5029	0.5031	0.5033	0.5032	0.5032	0.5034	0.5035	0.5037			
	A19	3884	0.5010	0.4995	0.4991	0.4987	0.4988	0.4988	0.4987	0.4988	0.4990	0.4991	0.4993			
	A26	3919	0.4993	0.4990	0.4987	0.4985	0.4987	0.4989	0.4990	0.4991	0.4993	0.4995	0.4997			
	A27	3933	0.4999	0.4996	0.4993	0.4991	0.4993	0.4996	0.4999	0.5000	0.5002	0.5004	0.5006			
	A31	4117	0.4946	0.4942	0.4940	0.4937	0.4939	0.4940	0.4941	0.4939	0.4942	0.4943	0.4944			
	A38	3876	0.5006	0.4994	0.4991	0.4989	0.4990	0.4991	0.4992	0.4992	0.4994	0.4996	0.4997			
	A39	3952	0.4963	0.4950	0.4948	0.4946	0.4947	0.4947	0.4947	0.4948	0.4950	0.4951	0.4953			
	A41	3908	0.5018	0.5016	0.5014	0.5011	0.5002	0.5003	0.5000	0.5000	0.5003	0.5004	0.5006			
	A47	3856	0.5024	0.5021	0.5018	0.5017	0.5021	0.5023	0.5021	0.5022	0.5024	0.5025	0.5027			
	A49	3944	0.5003	0.4993	0.4990	0.4988	0.4991	0.4993	0.4992	0.4992	0.4994	0.4996	0.4997			
	A50	4077	0.4997	0.4994	0.4992	0.4990	0.4995	0.4996	0.4993	0.4997	0.5003	0.5007	0.5010			
	A61	4018	0.4964	0.4960	0.4959	0.4957	0.4955	0.4957	0.4954	0.4954	0.4957	0.4958	0.4959			
	A68	4002	0.4975	0.4971	0.4968	0.4966	0.4969	0.4972	0.4971	0.4972	0.4975	0.4976	0.4978			
	A70	4204	0.4937	0.4935	0.4932	0.4930	0.4933	0.4935	0.4936	0.4935	0.4939	0.4946	0.4946			
	A76	3980	0.4995	0.4993	0.4990	0.4988	0.4990	0.4992	0.4996	0.4996	0.5000	0.5000	0.5003			
	A79	3889	0.5014	0.5008	0.5004	0.5001	0.5002	0.5004	0.5003	0.5004	0.5006	0.5008	0.5010			
	A80	3992	0.4979	0.4977	0.4975	0.4975	0.4979	0.4983	0.4986	0.4987	0.4987	0.4987	0.4988			
	B1	4143	0.4946	0.4943	0.4941	0.4944	0.4946	0.4950	0.4949	0.4952	0.4951	0.4950	0.4950			
	B2	4151	0.4960	0.4955	0.4953	0.4955	0.4956	0.4957	0.4958	0.4960	0.4965	0.4965	0.4966			
	B11	4251	0.4902	0.4896	0.4894	0.4896	0.4897	0.4899	0.4900	0.4901	0.4905	0.4905	0.4907			
	B21	4319	0.4873	0.4868	0.4865	0.4867	0.4867	0.4867	0.4867	0.4867	0.4872	0.4873	0.4875			
	ave	**4006**														
DATA SET 35: CCT > 5000K, T_J = 112C	B11	6308	0.4626	0.4633	0.4644	0.4650	0.4653	0.4627	0.4640	0.4644	0.4646	0.4647	0.4648	0.4648	0.4647	
	B12	6442	0.4600	0.4608	0.4621	0.4627	0.4630	0.4601	0.4615	0.4618	0.4620	0.4620	0.4620	0.4621	0.4620	
	B13	6415	0.4615	0.4625	0.4637	0.4643	0.4646	0.4618	0.4631	0.4635	0.4636	0.4636	0.4637	0.4638	0.4637	
	B14	6472	0.4611	0.4620	0.4633	0.4639	0.4642	0.4614	0.4627	0.4631	0.4632	0.4632	0.4634	0.4635	0.4634	
	B15	6378	0.4629	0.4637	0.4650	0.4656	0.4658	0.4631	0.4643	0.4647	0.4649	0.4649	0.4651	0.4653	0.4653	
	B16	6013	0.4609	0.4612	0.4616	0.4619	0.4621	0.4639	0.4649	0.4654	0.4659	0.4665	0.4671	0.4672	0.4672	
	B17	5986	0.4616	0.4614	0.4620	0.4620	0.4625	0.4610	0.4619	0.4624	0.4628	0.4634	0.4650	0.4651	0.4651	
	B18	5881	0.4635	0.4635	0.4637	0.4639	0.4644	0.4629	0.4638	0.4644	0.4658	0.4663	0.4669	0.4670	0.4669	
	B19	5871	0.4638	0.4637	0.4639	0.4641	0.4645	0.4645	0.4652	0.4656	0.4658	0.4662	0.4667	0.4669	0.4668	
	B20	5776	0.4658	0.4654	0.4657	0.4660	0.4663	0.4661	0.4668	0.4673	0.4676	0.4680	0.4686	0.4687	0.4688	
	B22	6119	0.4629	0.4631	0.4642	0.4649	0.4651	0.4631	0.4643	0.4645	0.4645	0.4645	0.4648	0.4647	0.4648	
	B23	6065	0.4638	0.4644	0.4659	0.4666	0.4667	0.4645	0.4656	0.4657	0.4657	0.4658	0.4663	0.4663	0.4664	
	B24	5910	0.4666	0.4668	0.4683	0.4689	0.4691	0.4672	0.4682	0.4684	0.4684	0.4684	0.4686	0.4686	0.4685	
	B25	5932	0.4661	0.4664	0.4676	0.4683	0.4685	0.4678	0.4688	0.4690	0.4691	0.4690	0.4691	0.4690	0.4690	
	A45	6451	0.4680	0.4680	0.4693	0.4699	0.4701	0.4686	0.4692	0.4695	0.4696	0.4696	0.4697	0.4699	0.4700	
	A46	6392	0.4631	0.4638	0.4650	0.4653	0.4659	0.4631	0.4644	0.4648	0.4649	0.4650	0.4653	0.4655	0.4654	
	A47	6369	0.4638	0.4645	0.4658	0.4663	0.4670	0.4643	0.4656	0.4660	0.4661	0.4662	0.4664	0.4666	0.4666	
	A48	6370	0.4646	0.4651	0.4667	0.4671	0.4678	0.4652	0.4665	0.4668	0.4670	0.4670	0.4672	0.4674	0.4674	
	A50	6418	0.4616	0.4619	0.4635	0.4642	0.4649	0.4619	0.4632	0.4636	0.4638	0.4639	0.4641	0.4644	0.4644	
	A51	5745	0.4668	0.4665	0.4666	0.4668	0.4671	0.4670	0.4678	0.4683	0.4686	0.4690	0.4696	0.4698	0.4697	
	A52	5595	0.4704	0.4702	0.4703	0.4705	0.4708	0.4692	0.4700	0.4703	0.4707	0.4710	0.4714	0.4716	0.4716	
	A53	5548	0.4715	0.4712	0.4715	0.4717	0.4720	0.4703	0.4711	0.4715	0.4718	0.4720	0.4724	0.4726	0.4725	
	A54	5546	0.4717	0.4716	0.4718	0.4720	0.4723	0.4706	0.4714	0.4718	0.4721	0.4723	0.4725	0.4729	0.4728	
	A55	5508	0.4728	0.4725	0.4728	0.4729	0.4731	0.4720	0.4728	0.4732	0.4735	0.4737	0.4740	0.4743	0.4743	
	A63	6467	0.4599	0.4600	0.4614	0.4618	0.4622	0.4594	0.4606	0.4609	0.4611	0.4612	0.4614	0.4614	0.4614	
	ave	**6079**														

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$
$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 29: CCT = 4000K, T_J = 110C	A1	4049	0.0000	0.0013	0.0020	0.0023	0.0027	0.0029	0.0031	0.0032	0.0033	0.0034	0.0034			
	A8	3864	0.0000	0.0018	0.0026	0.0030	0.0031	0.0035	0.0032	0.0034	0.0035	0.0037	0.0037			
	A11	4053	0.0000	0.0014	0.0021	0.0025	0.0028	0.0030	0.0033	0.0035	0.0035	0.0035	0.0036			
	A16	3870	0.0000	0.0022	0.0030	0.0036	0.0037	0.0041	0.0045	0.0047	0.0048	0.0047	0.0047			
	A18	3895	0.0000	0.0016	0.0022	0.0027	0.0028	0.0031	0.0036	0.0037	0.0037	0.0038	0.0038			
	A19	3884	0.0000	0.0027	0.0036	0.0043	0.0045	0.0048	0.0051	0.0052	0.0051	0.0051	0.0050			
	A26	3919	0.0000	0.0013	0.0021	0.0025	0.0028	0.0030	0.0033	0.0035	0.0036	0.0036	0.0037			
	A27	3933	0.0000	0.0014	0.0022	0.0025	0.0028	0.0030	0.0032	0.0034	0.0035	0.0035	0.0036			
	A31	4117	0.0000	0.0014	0.0020	0.0025	0.0027	0.0030	0.0032	0.0035	0.0035	0.0037	0.0037			
	A38	3876	0.0000	0.0025	0.0033	0.0038	0.0040	0.0045	0.0046	0.0048	0.0049	0.0048	0.0048			
	A39	3952	0.0000	0.0024	0.0031	0.0036	0.0038	0.0043	0.0045	0.0046	0.0047	0.0047	0.0046			
	A41	3908	0.0000	0.0013	0.0020	0.0024	0.0035	0.0037	0.0043	0.0045	0.0045	0.0045	0.0045			
	A47	3856	0.0000	0.0014	0.0022	0.0026	0.0027	0.0031	0.0035	0.0037	0.0038	0.0038	0.0038			
	A49	3944	0.0000	0.0022	0.0031	0.0035	0.0036	0.0039	0.0043	0.0045	0.0045	0.0046	0.0044			
	A50	4077	0.0000	0.0014	0.0021	0.0025	0.0025	0.0027	0.0031	0.0034	0.0035	0.0035	0.0036			
	A61	4018	0.0000	0.0014	0.0021	0.0025	0.0029	0.0032	0.0036	0.0038	0.0039	0.0038	0.0038			
	A68	4002	0.0000	0.0015	0.0022	0.0027	0.0028	0.0030	0.0034	0.0035	0.0036	0.0036	0.0036			
	A70	4204	0.0000	0.0014	0.0022	0.0026	0.0026	0.0029	0.0031	0.0032	0.0033	0.0034	0.0034			
	A76	3980	0.0000	0.0014	0.0021	0.0025	0.0027	0.0030	0.0031	0.0032	0.0034	0.0036	0.0037			
	A79	3889	0.0000	0.0017	0.0025	0.0031	0.0032	0.0035	0.0039	0.0040	0.0040	0.0039	0.0039			
	A80	3992	0.0000	0.0015	0.0022	0.0026	0.0027	0.0030	0.0033	0.0034	0.0035	0.0035	0.0035			
	B1	4143	0.0000	0.0014	0.0022	0.0025	0.0027	0.0029	0.0031	0.0033	0.0033	0.0034	0.0034			
	B2	4151	0.0000	0.0014	0.0021	0.0025	0.0025	0.0028	0.0028	0.0030	0.0031	0.0032	0.0033			
	B11	4251	0.0000	0.0015	0.0022	0.0026	0.0027	0.0029	0.0032	0.0033	0.0034	0.0034	0.0034			
	B21	4319	0.0000	0.0014	0.0022	0.0026	0.0029	0.0033	0.0035	0.0037	0.0039	0.0039	0.0039			
	ave	**4006**	**0.0000**	**0.0016**	**0.0024**	**0.0028**	**0.0030**	**0.0033**	**0.0036**	**0.0038**	**0.0038**	**0.0039**	**0.0039**			
DATA SET 35: CCT > 5000K, T_J = 112C	B11	6308	0.0000	0.0007	0.0018	0.0024	0.0027	0.0002	0.0014	0.0018	0.0020	0.0022	0.0023	0.0023	0.0022	
	B12	6442	0.0000	0.0008	0.0021	0.0027	0.0030	0.0002	0.0015	0.0018	0.0021	0.0021	0.0021	0.0022	0.0021	
	B13	6415	0.0000	0.0010	0.0022	0.0028	0.0031	0.0004	0.0016	0.0021	0.0022	0.0022	0.0023	0.0024	0.0023	
	B14	6472	0.0000	0.0009	0.0022	0.0028	0.0031	0.0004	0.0016	0.0020	0.0022	0.0022	0.0024	0.0025	0.0024	
	B15	6378	0.0000	0.0008	0.0021	0.0027	0.0029	0.0004	0.0015	0.0019	0.0021	0.0021	0.0023	0.0025	0.0025	
	B16	6013	0.0000	0.0003	0.0007	0.0010	0.0012	0.0031	0.0041	0.0046	0.0051	0.0057	0.0063	0.0064	0.0064	
	B17	5986	0.0000	0.0002	0.0004	0.0004	0.0009	0.0006	0.0004	0.0009	0.0012	0.0018	0.0035	0.0036	0.0036	
	B18	5881	0.0000	0.0001	0.0002	0.0004	0.0009	0.0006	0.0004	0.0009	0.0024	0.0029	0.0035	0.0036	0.0035	
	B19	5871	0.0000	0.0001	0.0001	0.0003	0.0007	0.0009	0.0015	0.0019	0.0021	0.0025	0.0030	0.0032	0.0031	
	B20	5776	0.0000	0.0004	0.0001	0.0002	0.0005	0.0005	0.0011	0.0016	0.0019	0.0023	0.0029	0.0030	0.0031	
	B22	6119	0.0000	0.0002	0.0013	0.0020	0.0022	0.0003	0.0014	0.0016	0.0016	0.0016	0.0019	0.0018	0.0019	
	B23	6065	0.0000	0.0006	0.0021	0.0028	0.0029	0.0007	0.0018	0.0019	0.0019	0.0020	0.0025	0.0025	0.0026	
	B24	5910	0.0000	0.0002	0.0017	0.0023	0.0025	0.0006	0.0016	0.0018	0.0018	0.0018	0.0020	0.0020	0.0019	
	B25	5932	0.0000	0.0003	0.0015	0.0022	0.0024	0.0017	0.0027	0.0029	0.0030	0.0029	0.0030	0.0029	0.0029	
	A45	6451	0.0000	0.0001	0.0013	0.0019	0.0021	0.0007	0.0012	0.0015	0.0016	0.0016	0.0017	0.0019	0.0020	
	A46	6392	0.0000	0.0007	0.0019	0.0022	0.0028	0.0001	0.0013	0.0017	0.0018	0.0019	0.0023	0.0025	0.0024	
	A47	6369	0.0000	0.0007	0.0020	0.0025	0.0032	0.0005	0.0018	0.0022	0.0023	0.0025	0.0026	0.0029	0.0029	
	A48	6370	0.0000	0.0005	0.0021	0.0025	0.0032	0.0006	0.0019	0.0022	0.0025	0.0025	0.0027	0.0029	0.0029	
	A50	6418	0.0000	0.0003	0.0019	0.0026	0.0033	0.0003	0.0016	0.0020	0.0022	0.0023	0.0025	0.0028	0.0028	
	A51	5745	0.0000	0.0003	0.0002	0.0001	0.0003	0.0005	0.0012	0.0016	0.0019	0.0023	0.0029	0.0031	0.0030	
	A52	5595	0.0000	0.0002	0.0001	0.0001	0.0004	0.0012	0.0005	0.0003	0.0005	0.0008	0.0011	0.0013	0.0013	
	A53	5548	0.0000	0.0003	0.0000	0.0002	0.0005	0.0012	0.0004	0.0003	0.0005	0.0006	0.0010	0.0012	0.0011	
	A54	5546	0.0000	0.0001	0.0001	0.0003	0.0006	0.0011	0.0004	0.0004	0.0006	0.0008	0.0009	0.0013	0.0013	
	A55	5508	0.0000	0.0003	0.0001	0.0001	0.0003	0.0009	0.0004	0.0006	0.0009	0.0010	0.0013	0.0016	0.0017	
	A63	6467	0.0000	0.0001	0.0015	0.0019	0.0023	0.0005	0.0007	0.0010	0.0013	0.0014	0.0016	0.0016	0.0017	
	ave	**6079**	**0.0000**	**0.0004**	**0.0012**	**0.0016**	**0.0019**	**0.0007**	**0.0014**	**0.0017**	**0.0019**	**0.0021**	**0.0024**	**0.0026**	**0.0025**	

$T_S = T_{AIR} = 85°C$, $I_F = 0.7A$
$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 29: CCT = 4000K, T_J = 110C	A1	4049	3.155	3.158	3.141	3.118	3.122	3.123	3.135	3.142	3.161	3.217	3.276			
	A8	3864	3.329	3.310	3.264	3.227	3.220	3.213	3.218	3.220	3.224	3.246	3.263			
	A11	4053	3.163	3.167	3.147	3.123	3.125	3.126	3.140	3.154	3.178	3.256	3.299			
	A16	3870	3.267	3.265	3.231	3.199	3.194	3.190	3.194	3.194	3.198	3.215	3.233			
	A18	3895	3.312	3.291	3.235	3.199	3.192	3.187	3.192	3.195	3.204	3.229	3.247			
	A19	3884	3.385	3.372	3.321	3.285	3.281	3.297	3.321	3.332	3.346	3.372	3.391			
	A26	3919	3.220	3.210	3.184	3.153	3.150	3.145	3.149	3.150	3.157	3.177	3.192			
	A27	3933	3.236	3.243	3.197	3.167	3.165	3.174	3.206	3.243	3.266	3.295	3.313			
	A31	4117	3.197	3.202	3.186	3.163	3.168	3.172	3.189	3.213	3.259	3.360	3.396			
	A38	3876	3.274	3.271	3.233	3.199	3.195	3.193	3.205	3.211	3.220	3.239	3.256			
	A39	3952	3.265	3.265	3.235	3.207	3.202	3.202	3.209	3.215	3.222	3.242	3.257			
	A41	3908	3.186	3.191	3.170	3.146	3.148	3.152	3.175	3.211	3.273	3.363	3.386			
	A47	3856	3.222	3.217	3.193	3.170	3.165	3.161	3.168	3.174	3.183	3.204	3.220			
	A49	3944	3.275	3.267	3.229	3.198	3.192	3.190	3.199	3.206	3.217	3.237	3.253			
	A50	4077	3.197	3.186	3.174	3.158	3.165	3.225	3.303	3.343	3.357	3.377	3.390			
	A61	4018	3.308	3.304	3.278	3.247	3.238	3.226	3.223	3.220	3.223	3.234	3.249			
	A68	4002	3.227	3.222	3.197	3.172	3.166	3.160	3.163	3.167	3.172	3.193	3.209			
	A70	4204	3.166	3.156	3.141	3.127	3.128	3.134	3.165	3.206	3.244	3.292	3.310			
	A76	3980	3.084	3.082	3.061	3.048	3.049	3.050	3.057	3.065	3.077	3.122	3.199			
	A79	3889	3.444	3.408	3.347	3.306	3.296	3.302	3.336	3.356	3.370	3.405	3.427			
	A80	3992	3.196	3.184	3.168	3.149	3.152	3.158	3.174	3.190	3.207	3.248	3.282			
	B1	4143	3.211	3.196	3.181	3.180	3.175	3.180	3.192	3.212	3.232	3.277	3.318			
	B2	4151	3.196	3.178	3.163	3.161	3.156	3.182	3.241	3.302	3.328	3.357	3.372			
	B11	4251	3.166	3.150	3.133	3.132	3.127	3.126	3.131	3.144	3.160	3.197	3.246			
	B21	4319	3.143	3.128	3.114	3.111	3.108	3.121	3.167	3.226	3.254	3.276	3.295			
	ave	**4006**	**3.233**													
DATA SET 35: CCT > 5000K, T_J = 112C	B11	6308	3.247	3.244	3.241	3.242	3.251	3.282	3.316	3.346	3.386	3.405	3.418	3.376	3.379	
	B12	6442	3.242	3.239	3.236	3.239	3.252	3.278	3.318	3.348	3.385	3.400	3.413	3.368	3.372	
	B13	6415	3.254	3.251	3.248	3.253	3.267	3.301	3.347	3.386	3.426	3.433	3.457	3.405	3.411	
	B14	6472	3.257	3.256	3.253	3.255	3.266	3.301	3.345	3.378	3.428	3.443	3.459	3.407	3.409	
	B15	6378	3.263	3.256	3.257	3.257	3.267	3.298	3.333	3.364	3.411	3.435	3.451	3.410	3.409	
	B16	6013	3.137	3.134	3.134	3.132	3.140	3.167	3.185	3.204	3.228	3.250	3.266	3.251	3.250	
	B17	5986	3.137	3.135	3.134	3.133	3.141	3.168	3.192	3.210	3.241	3.260	3.276	3.257	3.258	
	B18	5881	3.136	3.135	3.130	3.132	3.144	3.172	3.191	3.209	3.238	3.259	3.272	3.256	3.254	
	B19	5871	3.139	3.136	3.135	3.132	3.138	3.163	3.181	3.195	3.217	3.234	3.252	3.241	3.241	
	B20	5776	3.136	3.135	3.131	3.130	3.134	3.155	3.169	3.183	3.200	3.212	3.232	3.224	3.225	
	B22	6119	3.845	3.531	3.471	3.450	3.431	3.439	3.493	3.522	3.557	3.573	3.595	3.513	3.513	
	B23	6065	3.843	3.527	3.467	3.446	3.429	3.451	3.503	3.523	3.552	3.561	3.579	3.499	3.499	
	B24	5910	3.837	3.520	3.462	3.437	3.423	3.431	3.475	3.498	3.529	3.538	3.554	3.485	3.483	
	B25	5932	3.842	3.518	3.459	3.439	3.417	3.420	3.454	3.477	3.509	3.524	3.539	3.473	3.472	
	A45	6451	3.792	3.625	3.584	3.562	3.541	3.539	3.557	3.576	3.605	3.623	3.645	3.607	3.609	
	A46	6392	3.262	3.257	3.259	3.259	3.262	3.284	3.321	3.344	3.386	3.417	3.443	3.415	3.416	
	A47	6369	3.266	3.264	3.265	3.264	3.269	3.291	3.332	3.360	3.403	3.437	3.461	3.429	3.429	
	A48	6370	3.294	3.292	3.290	3.291	3.299	3.332	3.383	3.422	3.480	3.506	3.521	3.477	3.479	
	A50	6418	3.288	3.283	3.281	3.278	3.281	3.302	3.345	3.376	3.420	3.453	3.480	3.446	3.443	
	A51	5745	3.138	3.136	3.134	3.134	3.132	3.151	3.168	3.184	3.205	3.220	3.240	3.230	3.233	
	A52	5595	3.148	3.148	3.147	3.147	3.152	3.169	3.191	3.205	3.225	3.242	3.259	3.247	3.251	
	A53	5548	3.153	3.148	3.148	3.148	3.155	3.172	3.195	3.209	3.229	3.241	3.251	3.240	3.239	
	A54	5546	3.154	3.149	3.147	3.148	3.152	3.171	3.194	3.209	3.233	3.244	3.255	3.240	3.242	
	A55	5508	3.161	3.155	3.154	3.152	3.155	3.170	3.190	3.206	3.228	3.240	3.253	3.239	3.240	
	A63	6467	3.305	3.298	3.296	3.292	3.296	3.317	3.346	3.365	3.404	3.428	3.449	3.413	3.416	
	ave	**6079**	**3.331**													

$T_S = T_{AIR} = 105°C, I_F = 0.7A$

$T_S \geq 103C, T_{AIR} \geq 100C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	% at 6khours
DATA SET 4: CCT = 2650K, T_J = 123C	A11	2649	109.030	108.234	107.733	108.485	108.385	107.036	109.002	107.132	106.610	106.231					**97.4**
	A12	2593	102.316	101.327	100.846	101.584	101.192	99.704	100.853	99.238	98.289	98.484					**96.3**
	A13	2644	112.381	111.411	110.540	111.113	110.853	108.952	110.289	108.369	107.621	106.959					**95.2**
	A14	2594	107.993	107.083	106.410	106.880	104.891	103.463	104.510	102.780	102.243	101.369					**93.9**
	A15	2645	110.946	110.443	109.667	110.731	110.532	108.591	109.813	107.798	107.055	106.498					**96.0**
	A16	2665	109.423	109.030	108.533	109.770	109.540	107.610	108.809	106.702	106.150	105.505					**96.4**
	A17	2639	105.684	104.937	104.311	105.494	103.740	102.212	103.345	101.519	101.106	100.333					**94.9**
	A18	2550	110.395	109.754	108.877	109.610	109.320	107.223	107.873	105.735	105.144	104.103					**94.3**
	A19	2688	113.653	113.089	112.420	113.635	112.975	110.957	112.293	109.469	109.364	108.442					**95.4**
	A20	2652	113.258	112.572	111.731	112.650	112.521	110.606	111.842	109.371	108.738	108.103					**95.4**
	A31	2673	104.536	103.715	102.938	103.670	103.371	101.817	102.798	101.235	100.682	100.221					**95.9**
	A32	2650	104.905	103.971	103.442	104.407	103.980	101.808	102.900	101.257	100.695	100.120					**95.4**
	A33	2598	109.199	108.491	107.413	107.987	107.616	105.626	106.669	104.540	103.667	103.036					**94.4**
	A34	2665	110.782	109.847	108.922	109.914	109.691	107.284	108.225	106.395	105.804	105.438					**95.2**
	A35	2612	110.584	109.837	109.059	109.465	108.429	106.547	107.775	105.465	105.025	104.440					**94.4**
	A36	2654	113.651	113.061	112.422	113.579	113.061	111.141	112.310	110.034	109.249	108.616					**95.6**
	A37	2639	112.112	111.453	110.967	112.155	111.802	109.820	111.310	108.903	108.312	107.860					**96.2**
	A38	2645	108.327	107.864	107.399	109.006	108.095	106.575	108.677	106.502	105.679	105.029					**97.0**
	A39	2684	115.410	114.632	113.832	114.873	114.495	112.373	113.901	111.535	110.891	110.056					**95.4**
	A40	2670	113.107	112.232	111.656	112.860	112.510	110.132	111.782	109.640	108.945	108.200					**95.7**
	A51	2651	105.773	105.950	105.625	105.850	103.516	102.354	103.231	101.566	100.940	100.238					**94.8**
	A52	2653	110.295	109.646	108.955	110.455	108.464	107.172	108.254	106.503	105.866	105.249					**95.4**
	A53	2669	113.776	113.216	112.759	114.575	112.579	111.122	112.018	110.010	109.345	108.860					**95.7**
	A54	2642	108.384	107.312	107.074	108.591	105.972	104.891	106.066	104.225	103.543	103.033					**95.1**
	A55	2658	106.090	105.567	105.516	105.773	103.978	102.794	103.663	101.979	101.291	100.924					**95.1**
	ave	**2643**															**95.5**
DATA SET 13: CCT = 3000K, T_J = 123C	A1	3033	115.701	115.029	114.735	116.574	114.737	113.731	115.246	113.365	113.260	112.833					**97.5**
	A2	2976	118.320	117.581	117.284	119.585	116.907	115.990	117.764	115.621	115.338	115.270					**97.4**
	A3	3001	122.012	121.885	121.563	123.910	122.446	121.354	122.858	120.723	120.159	120.211					**98.5**
	A4	3023	121.506	120.868	120.467	122.551	120.178	118.932	120.588	118.091	117.431	117.473					**96.7**
	A5	3070	122.954	122.418	122.175	124.854	122.484	121.492	122.839	120.551	120.007	119.759					**97.4**
	A6	2957	118.779	118.360	118.031	120.240	118.296	117.426	119.273	117.050	116.777	117.351					**98.8**
	A7	2964	112.992	111.874	111.407	111.882	110.930	110.021	111.371	109.499	108.884	108.565					**96.1**
	A8	2888	111.692	110.971	111.383	111.427	110.018	109.022	110.405	108.794	108.380	108.260					**96.9**
	A9	2954	113.493	112.797	112.597	115.128	112.624	111.703	113.136	111.309	110.974	110.678					**97.5**
	A10	2962	112.933	112.034	111.886	112.442	110.827	110.441	112.247	110.156	109.992	110.191					**97.6**
	A21	3072	124.216	123.882	123.501	125.824	124.724	123.690	125.325	123.228	122.518	122.393					**98.5**
	A22	2986	114.542	114.009	114.024	114.932	113.511	112.619	113.996	112.152	111.365	111.280					**97.2**
	A23	2971	116.888	116.161	116.174	116.320	114.879	113.916	115.497	113.618	112.716	112.800					**96.5**
	A24	2977	121.467	120.434	120.440	122.131	120.181	119.162	120.561	118.507	117.717	117.756					**96.9**
	A25	3041	124.245	123.786	123.373	125.800	123.670	122.593	123.928	121.855	121.083	120.776					**97.2**
	A26	2986	118.550	117.697	117.196	118.524	116.419	115.401	116.912	115.112	114.182	114.174					**96.3**
	A27	3100	123.758	123.018	122.629	124.695	122.616	121.406	122.792	120.955	120.158	120.267					**97.2**
	A28	2992	121.166	120.591	120.327	122.682	120.185	119.081	120.386	118.213	117.788	117.653					**97.1**
	A29	3056	118.897	118.013	117.444	118.313	116.978	115.972	117.594	115.405	114.921	114.576					**96.4**
	A30	2997	117.917	117.387	117.876	118.747	117.426	116.376	117.944	115.795	115.126	114.614					**97.2**
	A41	3069	121.271	121.084	121.943	121.576	119.889	118.973	120.164	118.229	117.417	117.305					**96.7**
	A42	3048	122.846	122.457	122.586	122.906	121.238	120.124	121.251	119.008	118.002	117.797					**95.9**
	A43	3006	127.464	127.921	128.698	129.757	127.892	126.502	127.660	124.827	123.927	123.515					**96.9**
	A44	3032	124.637	123.932	123.362	124.036	122.420	121.410	122.647	120.455	119.844	119.725					**96.1**
	A45	3073	124.502	123.710	123.368	124.072	122.460	121.509	122.622	120.631	119.832	119.833					**96.2**
	ave	**3009**															**97.1**

$T_S = T_{AIR} = 105°C, I_F = 0.7A$

$T_S \geq 103C, T_{AIR} \geq 100C$ in compliance with LM-80-08

Normalized flux

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 4: CCT = 2650K, T_J = 123C	A11	2649	1.0000	0.9927	0.9881	0.9950	0.9941	0.9817	0.9997	0.9826	0.9778	0.9743				
	A12	2593	1.0000	0.9903	0.9856	0.9928	0.9890	0.9745	0.9857	0.9699	0.9606	0.9625				
	A13	2644	1.0000	0.9914	0.9836	0.9887	0.9864	0.9695	0.9814	0.9643	0.9576	0.9518				
	A14	2594	1.0000	0.9916	0.9853	0.9897	0.9713	0.9581	0.9677	0.9517	0.9468	0.9387				
	A15	2645	1.0000	0.9955	0.9885	0.9981	0.9963	0.9788	0.9898	0.9716	0.9649	0.9599				
	A16	2665	1.0000	0.9964	0.9919	1.0032	1.0011	0.9834	0.9944	0.9751	0.9701	0.9642				
	A17	2639	1.0000	0.9929	0.9870	0.9982	0.9816	0.9671	0.9779	0.9606	0.9567	0.9494				
	A18	2550	1.0000	0.9942	0.9862	0.9929	0.9903	0.9713	0.9772	0.9578	0.9524	0.9430				
	A19	2688	1.0000	0.9950	0.9892	0.9998	0.9940	0.9763	0.9880	0.9632	0.9623	0.9542				
	A20	2652	1.0000	0.9939	0.9865	0.9946	0.9935	0.9766	0.9875	0.9657	0.9601	0.9545				
	A31	2673	1.0000	0.9921	0.9847	0.9917	0.9889	0.9740	0.9834	0.9684	0.9631	0.9587				
	A32	2650	1.0000	0.9911	0.9861	0.9953	0.9912	0.9705	0.9809	0.9652	0.9599	0.9544				
	A33	2598	1.0000	0.9935	0.9836	0.9889	0.9855	0.9673	0.9768	0.9573	0.9493	0.9436				
	A34	2665	1.0000	0.9916	0.9832	0.9922	0.9902	0.9684	0.9769	0.9604	0.9551	0.9518				
	A35	2612	1.0000	0.9932	0.9862	0.9899	0.9805	0.9635	0.9746	0.9537	0.9497	0.9444				
	A36	2654	1.0000	0.9948	0.9892	0.9994	0.9948	0.9779	0.9882	0.9682	0.9613	0.9557				
	A37	2639	1.0000	0.9941	0.9898	1.0004	0.9972	0.9796	0.9928	0.9714	0.9661	0.9621				
	A38	2645	1.0000	0.9957	0.9914	1.0063	0.9979	0.9838	1.0032	0.9832	0.9756	0.9696				
	A39	2684	1.0000	0.9933	0.9863	0.9953	0.9921	0.9737	0.9869	0.9664	0.9608	0.9536				
	A40	2670	1.0000	0.9923	0.9872	0.9978	0.9947	0.9737	0.9883	0.9693	0.9632	0.9566				
	A51	2651	1.0000	1.0017	0.9986	1.0007	0.9787	0.9677	0.9760	0.9602	0.9543	0.9477				
	A52	2653	1.0000	0.9941	0.9878	1.0014	0.9834	0.9717	0.9815	0.9656	0.9598	0.9542				
	A53	2669	1.0000	0.9951	0.9911	1.0070	0.9895	0.9767	0.9845	0.9669	0.9611	0.9568				
	A54	2642	1.0000	0.9901	0.9879	1.0019	0.9777	0.9678	0.9786	0.9616	0.9553	0.9506				
	A55	2658	1.0000	0.9951	0.9946	0.9970	0.9801	0.9689	0.9771	0.9613	0.9548	0.9513				
	ave	**2643**	**1.0000**	**0.9937**	**0.9880**	**0.9967**	**0.9888**	**0.9729**	**0.9840**	**0.9657**	**0.9600**	**0.9545**				
DATA SET 13: CCT = 3000K, T_J = 123C	A1	3033	1.0000	0.9942	0.9917	1.0075	0.9917	0.9830	0.9961	0.9798	0.9789	0.9752				
	A2	2976	1.0000	0.9938	0.9912	1.0107	0.9881	0.9803	0.9953	0.9772	0.9748	0.9742				
	A3	3001	1.0000	0.9990	0.9963	1.0156	1.0036	0.9946	1.0069	0.9894	0.9848	0.9852				
	A4	3023	1.0000	0.9948	0.9915	1.0086	0.9891	0.9788	0.9924	0.9719	0.9665	0.9668				
	A5	3070	1.0000	0.9956	0.9937	1.0155	0.9962	0.9881	0.9991	0.9805	0.9760	0.9740				
	A6	2957	1.0000	0.9965	0.9937	1.0123	0.9959	0.9886	1.0042	0.9854	0.9831	0.9880				
	A7	2964	1.0000	0.9901	0.9860	0.9902	0.9818	0.9737	0.9857	0.9691	0.9636	0.9608				
	A8	2888	1.0000	0.9935	0.9972	0.9976	0.9850	0.9761	0.9885	0.9741	0.9704	0.9693				
	A9	2954	1.0000	0.9939	0.9921	1.0144	0.9923	0.9842	0.9969	0.9808	0.9778	0.9752				
	A10	2962	1.0000	0.9920	0.9907	0.9956	0.9814	0.9779	0.9939	0.9754	0.9740	0.9757				
	A21	3072	1.0000	0.9973	0.9942	1.0129	1.0041	0.9958	1.0089	0.9920	0.9863	0.9853				
	A22	2986	1.0000	0.9953	0.9955	1.0034	0.9910	0.9832	0.9952	0.9791	0.9723	0.9715				
	A23	2971	1.0000	0.9938	0.9939	0.9951	0.9828	0.9746	0.9881	0.9720	0.9643	0.9650				
	A24	2977	1.0000	0.9915	0.9915	1.0055	0.9894	0.9810	0.9925	0.9756	0.9691	0.9694				
	A25	3041	1.0000	0.9963	0.9930	1.0125	0.9954	0.9867	0.9974	0.9808	0.9745	0.9721				
	A26	2986	1.0000	0.9928	0.9886	0.9998	0.9820	0.9734	0.9862	0.9710	0.9631	0.9631				
	A27	3100	1.0000	0.9940	0.9909	1.0076	0.9908	0.9810	0.9922	0.9774	0.9709	0.9718				
	A28	2992	1.0000	0.9953	0.9931	1.0125	0.9919	0.9828	0.9936	0.9756	0.9721	0.9710				
	A29	3056	1.0000	0.9926	0.9878	0.9951	0.9839	0.9754	0.9890	0.9706	0.9666	0.9637				
	A30	2997	1.0000	0.9955	0.9997	1.0070	0.9958	0.9869	1.0002	0.9820	0.9763	0.9720				
	A41	3069	1.0000	0.9985	1.0055	1.0025	0.9886	0.9811	0.9909	0.9749	0.9682	0.9673				
	A42	3048	1.0000	0.9968	0.9979	1.0005	0.9869	0.9778	0.9870	0.9688	0.9606	0.9589				
	A43	3006	1.0000	1.0036	1.0097	1.0180	1.0034	0.9925	1.0015	0.9793	0.9723	0.9690				
	A44	3032	1.0000	0.9943	0.9898	0.9952	0.9822	0.9741	0.9840	0.9664	0.9615	0.9606				
	A45	3073	1.0000	0.9936	0.9909	0.9965	0.9836	0.9760	0.9849	0.9689	0.9625	0.9625				
	ave	**3009**	**1.0000**	**0.9950**	**0.9938**	**1.0053**	**0.9903**	**0.9819**	**0.9940**	**0.9767**	**0.9716**	**0.9707**				

$T_S = T_{AIR} = 105°C$, $I_F = 0.7A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 4: CCT = 2650K, T_J = 123C	A11	2649	3.7031E-06	0.9979	0.485	95,736
	A12	2593	5.5614E-06	0.9928	0.747	62,833
	A13	2644	6.6643E-06	0.9913	0.808	52,204
	A14	2594	6.3728E-06	0.9772	0.833	52,348
	A15	2645	7.0606E-06	1.0012	0.831	50,691
	A16	2665	7.0909E-06	1.0060	0.831	51,138
	A17	2639	6.2117E-06	0.9867	0.811	55,263
	A18	2550	9.2356E-06	0.9969	0.918	38,283
	A19	2688	7.8170E-06	0.9999	0.815	45,612
	A20	2652	7.8213E-06	0.9999	0.842	45,586
	A31	2673	5.8193E-06	0.9927	0.824	60,034
	A32	2650	6.8062E-06	0.9937	0.820	51,469
	A33	2598	8.3934E-06	0.9919	0.874	41,527
	A34	2665	7.3262E-06	0.9921	0.839	47,609
	A35	2612	7.2076E-06	0.9855	0.821	47,465
	A36	2654	7.7859E-06	1.0012	0.855	45,958
	A37	2639	6.9380E-06	1.0022	0.784	51,719
	A38	2645	5.4110E-06	1.0043	0.602	66,711
	A39	2684	7.3875E-06	0.9976	0.806	47,960
	A40	2670	7.0615E-06	0.9986	0.775	50,311
	A51	2651	6.2546E-06	0.9854	0.851	54,668
	A52	2653	5.8157E-06	0.9893	0.815	59,472
	A53	2669	6.6976E-06	0.9956	0.864	52,591
	A54	2642	5.6271E-06	0.9844	0.775	60,596
	A55	2658	5.9901E-06	0.9860	0.843	57,187
	ave	**2643**	**6.7205E-06**	**0.9940**	**0.821**	**52,177**

DATA SET 13: CCT = 3000K, T_J = 123C	A1	3033	3.2170E-06	0.9952	0.540	109,382
	A2	2976	3.0219E-06	0.9920	0.441	115,388
	A3	3001	3.9807E-06	1.0080	0.624	91,605
	A4	3023	4.9377E-06	0.9946	0.653	71,133
	A5	3070	4.8050E-06	1.0023	0.713	74,712
	A6	2957	2.1581E-06	0.9984	0.264	164,518
	A7	2964	4.4536E-06	0.9877	0.676	77,304
	A8	2888	3.2269E-06	0.9883	0.565	106,881
	A9	2954	3.5151E-06	0.9967	0.585	100,527
	A10	2962	1.7089E-06	0.9856	0.180	200,216
	A21	3072	3.9927E-06	1.0094	0.611	91,670
	A22	2986	4.2610E-06	0.9968	0.653	82,949
	A23	2971	3.9858E-06	0.9881	0.583	86,489
	A24	2977	4.4491E-06	0.9949	0.674	79,010
	A25	3041	4.9267E-06	1.0016	0.739	72,713
	A26	2986	4.1350E-06	0.9873	0.625	83,165
	A27	3100	4.0787E-06	0.9947	0.668	86,152
	A28	2992	4.4972E-06	0.9967	0.701	78,574
	A29	3056	4.2819E-06	0.9895	0.618	80,842
	A30	2997	4.9132E-06	1.0026	0.680	73,123
	A41	3069	4.7051E-06	0.9947	0.734	74,677
	A42	3048	6.1743E-06	0.9945	0.806	56,879
	A43	3006	7.3789E-06	1.0120	0.838	49,958
	A44	3032	4.8070E-06	0.9879	0.732	71,671
	A45	3073	4.7567E-06	0.9894	0.750	72,733
	ave	**3009**	**4.2534E-06**	**0.9955**	**0.652**	**82,807**

$T_S = T_{AIR} = 105°C$, $I_F = 0.7A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

u'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 4: CCT = 2650K, T_J = 123C	A11	2649	0.2645	0.2629	0.2622	0.2615	0.2611	0.2607	0.2604	0.2606	0.2610	0.2614				
	A12	2593	0.2674	0.2659	0.2652	0.2643	0.2640	0.2636	0.2633	0.2636	0.2640	0.2644				
	A13	2644	0.2653	0.2637	0.2630	0.2623	0.2620	0.2617	0.2615	0.2618	0.2623	0.2629				
	A14	2594	0.2678	0.2662	0.2654	0.2646	0.2643	0.2641	0.2640	0.2643	0.2649	0.2654				
	A15	2645	0.2649	0.2633	0.2626	0.2618	0.2614	0.2611	0.2610	0.2614	0.2618	0.2622				
	A16	2665	0.2640	0.2624	0.2617	0.2609	0.2605	0.2602	0.2601	0.2604	0.2609	0.2614				
	A17	2639	0.2655	0.2639	0.2632	0.2624	0.2620	0.2618	0.2617	0.2620	0.2625	0.2631				
	A18	2550	0.2699	0.2683	0.2675	0.2669	0.2666	0.2664	0.2664	0.2669	0.2674	0.2681				
	A19	2688	0.2626	0.2611	0.2602	0.2596	0.2592	0.2591	0.2590	0.2593	0.2599	0.2605				
	A20	2652	0.2647	0.2631	0.2623	0.2615	0.2612	0.2610	0.2609	0.2613	0.2619	0.2625				
	A31	2673	0.2636	0.2621	0.2614	0.2607	0.2603	0.2598	0.2596	0.2598	0.2601	0.2605				
	A32	2650	0.2648	0.2632	0.2625	0.2618	0.2614	0.2611	0.2610	0.2612	0.2617	0.2621				
	A33	2598	0.2675	0.2660	0.2653	0.2646	0.2643	0.2639	0.2638	0.2642	0.2649	0.2655				
	A34	2665	0.2638	0.2624	0.2618	0.2609	0.2605	0.2601	0.2599	0.2601	0.2605	0.2609				
	A35	2612	0.2669	0.2653	0.2645	0.2640	0.2637	0.2637	0.2637	0.2643	0.2647	0.2652				
	A36	2654	0.2643	0.2628	0.2620	0.2613	0.2609	0.2608	0.2607	0.2613	0.2618	0.2623				
	A37	2639	0.2650	0.2635	0.2626	0.2619	0.2616	0.2614	0.2614	0.2619	0.2625	0.2630				
	A38	2645	0.2647	0.2631	0.2624	0.2619	0.2613	0.2611	0.2609	0.2613	0.2618	0.2623				
	A39	2684	0.2629	0.2614	0.2605	0.2598	0.2595	0.2594	0.2593	0.2597	0.2603	0.2608				
	A40	2670	0.2635	0.2621	0.2612	0.2604	0.2601	0.2599	0.2597	0.2602	0.2607	0.2613				
	A51	2651	0.2651	0.2635	0.2628	0.2621	0.2617	0.2614	0.2614	0.2617	0.2621	0.2625				
	A52	2653	0.2645	0.2629	0.2621	0.2615	0.2609	0.2608	0.2608	0.2612	0.2616	0.2620				
	A53	2669	0.2641	0.2625	0.2618	0.2612	0.2607	0.2605	0.2604	0.2609	0.2613	0.2616				
	A54	2642	0.2652	0.2637	0.2629	0.2620	0.2616	0.2614	0.2614	0.2617	0.2621	0.2625				
	A55	2658	0.2645	0.2630	0.2623	0.2615	0.2611	0.2609	0.2608	0.2610	0.2614	0.2618				
	ave	**2643**														

DATA SET 13: CCT = 3000K, T_J = 123C	A1	3033	0.2487	0.2478	0.2474	0.2468	0.2463	0.2460	0.2458	0.2460	0.2461	0.2464				
	A2	2976	0.2509	0.2500	0.2495	0.2488	0.2484	0.2482	0.2480	0.2482	0.2485	0.2487				
	A3	3001	0.2506	0.2496	0.2492	0.2486	0.2480	0.2479	0.2477	0.2480	0.2483	0.2485				
	A4	3023	0.2495	0.2485	0.2481	0.2475	0.2471	0.2469	0.2468	0.2471	0.2475	0.2477				
	A5	3070	0.2470	0.2461	0.2456	0.2450	0.2446	0.2444	0.2442	0.2445	0.2448	0.2451				
	A6	2957	0.2522	0.2512	0.2507	0.2499	0.2495	0.2492	0.2490	0.2492	0.2495	0.2497				
	A7	2964	0.2518	0.2508	0.2502	0.2495	0.2492	0.2490	0.2488	0.2490	0.2494	0.2496				
	A8	2888	0.2552	0.2542	0.2537	0.2530	0.2527	0.2526	0.2524	0.2527	0.2530	0.2533				
	A9	2954	0.2518	0.2507	0.2502	0.2496	0.2493	0.2491	0.2490	0.2492	0.2496	0.2499				
	A10	2962	0.2516	0.2505	0.2500	0.2493	0.2490	0.2488	0.2486	0.2487	0.2490	0.2492				
	A21	3072	0.2477	0.2467	0.2463	0.2456	0.2450	0.2448	0.2446	0.2447	0.2450	0.2453				
	A22	2986	0.2511	0.2501	0.2497	0.2489	0.2485	0.2483	0.2481	0.2483	0.2485	0.2488				
	A23	2971	0.2519	0.2509	0.2504	0.2497	0.2493	0.2490	0.2488	0.2489	0.2492	0.2494				
	A24	2977	0.2515	0.2506	0.2500	0.2492	0.2489	0.2487	0.2486	0.2488	0.2492	0.2495				
	A25	3041	0.2492	0.2481	0.2477	0.2470	0.2465	0.2463	0.2461	0.2463	0.2466	0.2469				
	A26	2986	0.2514	0.2504	0.2499	0.2492	0.2488	0.2485	0.2483	0.2485	0.2489	0.2491				
	A27	3100	0.2465	0.2455	0.2451	0.2443	0.2440	0.2437	0.2435	0.2437	0.2440	0.2442				
	A28	2992	0.2511	0.2501	0.2495	0.2489	0.2485	0.2484	0.2482	0.2485	0.2489	0.2492				
	A29	3056	0.2485	0.2475	0.2469	0.2462	0.2460	0.2458	0.2457	0.2459	0.2462	0.2465				
	A30	2997	0.2511	0.2500	0.2494	0.2488	0.2485	0.2485	0.2485	0.2489	0.2493	0.2497				
	A41	3069	0.2484	0.2474	0.2470	0.2463	0.2460	0.2457	0.2456	0.2458	0.2462	0.2465				
	A42	3048	0.2495	0.2485	0.2481	0.2475	0.2473	0.2471	0.2470	0.2474	0.2478	0.2482				
	A43	3006	0.2510	0.2500	0.2495	0.2486	0.2484	0.2482	0.2482	0.2485	0.2489	0.2493				
	A44	3032	0.2494	0.2485	0.2480	0.2474	0.2471	0.2468	0.2467	0.2468	0.2471	0.2473				
	A45	3073	0.2481	0.2471	0.2466	0.2460	0.2457	0.2455	0.2454	0.2457	0.2460	0.2463				
	ave	**3009**														

$T_S = T_{AIR} = 105°C$, $I_F = 0.7A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 4: CCT = 2650K, T_J = 123C	A11	2649	0.5304	0.5301	0.5301	0.5300	0.5303	0.5300	0.5299	0.5298	0.5298	0.5299				
	A12	2593	0.5300	0.5297	0.5297	0.5293	0.5294	0.5295	0.5294	0.5293	0.5294	0.5294				
	A13	2644	0.5271	0.5269	0.5268	0.5267	0.5268	0.5265	0.5264	0.5264	0.5264	0.5264				
	A14	2594	0.5273	0.5270	0.5269	0.5267	0.5265	0.5264	0.5264	0.5263	0.5264	0.5264				
	A15	2645	0.5290	0.5288	0.5286	0.5283	0.5284	0.5283	0.5282	0.5282	0.5282	0.5282				
	A16	2665	0.5287	0.5284	0.5283	0.5280	0.5281	0.5280	0.5279	0.5278	0.5279	0.5279				
	A17	2639	0.5274	0.5272	0.5270	0.5268	0.5265	0.5265	0.5264	0.5264	0.5264	0.5265				
	A18	2550	0.5284	0.5282	0.5281	0.5280	0.5282	0.5280	0.5280	0.5279	0.5279	0.5280				
	A19	2688	0.5297	0.5294	0.5293	0.5292	0.5291	0.5291	0.5290	0.5290	0.5290	0.5291				
	A20	2652	0.5284	0.5282	0.5281	0.5278	0.5279	0.5277	0.5276	0.5276	0.5276	0.5276				
	A31	2673	0.5283	0.5280	0.5280	0.5277	0.5279	0.5277	0.5276	0.5276	0.5276	0.5277				
	A32	2650	0.5280	0.5276	0.5277	0.5276	0.5278	0.5275	0.5274	0.5274	0.5274	0.5275				
	A33	2598	0.5279	0.5277	0.5277	0.5276	0.5277	0.5276	0.5275	0.5275	0.5275	0.5275				
	A34	2665	0.5297	0.5295	0.5295	0.5292	0.5293	0.5290	0.5290	0.5290	0.5290	0.5291				
	A35	2612	0.5273	0.5269	0.5268	0.5269	0.5270	0.5268	0.5266	0.5266	0.5266	0.5267				
	A36	2654	0.5297	0.5294	0.5292	0.5291	0.5291	0.5289	0.5288	0.5288	0.5288	0.5289				
	A37	2639	0.5300	0.5298	0.5294	0.5291	0.5292	0.5291	0.5290	0.5290	0.5290	0.5291				
	A38	2645	0.5301	0.5299	0.5298	0.5299	0.5297	0.5296	0.5294	0.5294	0.5294	0.5295				
	A39	2684	0.5295	0.5293	0.5291	0.5289	0.5290	0.5289	0.5288	0.5287	0.5287	0.5287				
	A40	2670	0.5294	0.5293	0.5289	0.5285	0.5287	0.5284	0.5283	0.5283	0.5283	0.5283				
	A51	2651	0.5265	0.5260	0.5260	0.5263	0.5261	0.5260	0.5260	0.5259	0.5259	0.5259				
	A52	2653	0.5291	0.5286	0.5285	0.5285	0.5285	0.5284	0.5283	0.5283	0.5283	0.5283				
	A53	2669	0.5269	0.5265	0.5264	0.5267	0.5266	0.5265	0.5265	0.5265	0.5265	0.5265				
	A54	2642	0.5284	0.5281	0.5280	0.5277	0.5275	0.5275	0.5275	0.5274	0.5275	0.5275				
	A55	2658	0.5277	0.5274	0.5275	0.5272	0.5271	0.5271	0.5270	0.5270	0.5270	0.5271				
	ave	**2643**														

DATA SET 13: CCT = 3000K, T_J = 123C	A1	3033	0.5235	0.5233	0.5235	0.5228	0.5226	0.5225	0.5225	0.5223	0.5225	0.5225				
	A2	2976	0.5239	0.5238	0.5239	0.5234	0.5231	0.5230	0.5229	0.5229	0.5230	0.5230				
	A3	3001	0.5210	0.5208	0.5209	0.5206	0.5203	0.5203	0.5201	0.5201	0.5202	0.5202				
	A4	3023	0.5217	0.5215	0.5215	0.5214	0.5211	0.5210	0.5210	0.5210	0.5211	0.5211				
	A5	3070	0.5240	0.5238	0.5239	0.5236	0.5232	0.5232	0.5232	0.5231	0.5232	0.5233				
	A6	2957	0.5219	0.5218	0.5219	0.5212	0.5211	0.5210	0.5209	0.5209	0.5210	0.5210				
	A7	2964	0.5223	0.5221	0.5222	0.5213	0.5212	0.5211	0.5211	0.5210	0.5211	0.5212				
	A8	2888	0.5215	0.5213	0.5216	0.5210	0.5209	0.5209	0.5208	0.5207	0.5208	0.5210				
	A9	2954	0.5240	0.5238	0.5237	0.5233	0.5232	0.5232	0.5232	0.5231	0.5232	0.5233				
	A10	2962	0.5237	0.5234	0.5235	0.5229	0.5229	0.5228	0.5227	0.5226	0.5227	0.5227				
	A21	3072	0.5212	0.5210	0.5208	0.5203	0.5200	0.5200	0.5199	0.5198	0.5199	0.5200				
	A22	2986	0.5213	0.5211	0.5210	0.5201	0.5199	0.5199	0.5198	0.5197	0.5198	0.5200				
	A23	2971	0.5210	0.5207	0.5209	0.5203	0.5201	0.5201	0.5200	0.5200	0.5200	0.5202				
	A24	2977	0.5214	0.5211	0.5210	0.5203	0.5201	0.5201	0.5201	0.5201	0.5201	0.5202				
	A25	3041	0.5204	0.5201	0.5201	0.5199	0.5197	0.5197	0.5196	0.5196	0.5197	0.5198				
	A26	2986	0.5205	0.5202	0.5203	0.5198	0.5197	0.5196	0.5196	0.5195	0.5196	0.5197				
	A27	3100	0.5218	0.5216	0.5216	0.5210	0.5209	0.5209	0.5208	0.5208	0.5208	0.5209				
	A28	2992	0.5208	0.5204	0.5203	0.5199	0.5199	0.5199	0.5199	0.5198	0.5198	0.5200				
	A29	3056	0.5208	0.5205	0.5205	0.5198	0.5197	0.5197	0.5196	0.5196	0.5196	0.5198				
	A30	2997	0.5198	0.5195	0.5195	0.5188	0.5188	0.5187	0.5187	0.5186	0.5187	0.5189				
	A41	3069	0.5192	0.5188	0.5192	0.5183	0.5180	0.5179	0.5179	0.5179	0.5179	0.5180				
	A42	3048	0.5180	0.5177	0.5178	0.5173	0.5170	0.5170	0.5170	0.5170	0.5170	0.5171				
	A43	3006	0.5188	0.5184	0.5185	0.5182	0.5178	0.5178	0.5178	0.5178	0.5178	0.5179				
	A44	3032	0.5208	0.5204	0.5200	0.5192	0.5190	0.5189	0.5189	0.5189	0.5189	0.5191				
	A45	3073	0.5199	0.5195	0.5192	0.5184	0.5181	0.5181	0.5181	0.5181	0.5181	0.5182				
	ave	**3009**														

$T_S = T_{AIR} = 105°C$, $I_F = 0.7A$
$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 4: CCT = 2650K, T_J = 123C	A11	2649	0.0000	0.0016	0.0023	0.0030	0.0034	0.0038	0.0041	0.0039	0.0036	0.0031				
	A12	2593	0.0000	0.0015	0.0022	0.0032	0.0035	0.0038	0.0041	0.0039	0.0035	0.0031				
	A13	2644	0.0000	0.0016	0.0023	0.0030	0.0033	0.0036	0.0039	0.0036	0.0031	0.0025				
	A14	2594	0.0000	0.0016	0.0024	0.0033	0.0036	0.0038	0.0039	0.0036	0.0030	0.0026				
	A15	2645	0.0000	0.0016	0.0023	0.0032	0.0036	0.0039	0.0040	0.0036	0.0032	0.0028				
	A16	2665	0.0000	0.0016	0.0023	0.0032	0.0036	0.0039	0.0040	0.0037	0.0032	0.0027				
	A17	2639	0.0000	0.0016	0.0023	0.0032	0.0036	0.0038	0.0039	0.0036	0.0032	0.0026				
	A18	2550	0.0000	0.0016	0.0024	0.0030	0.0033	0.0035	0.0035	0.0030	0.0025	0.0018				
	A19	2688	0.0000	0.0015	0.0024	0.0030	0.0035	0.0036	0.0037	0.0034	0.0028	0.0022				
	A20	2652	0.0000	0.0016	0.0024	0.0033	0.0035	0.0038	0.0039	0.0035	0.0029	0.0023				
	A31	2673	0.0000	0.0015	0.0022	0.0030	0.0033	0.0038	0.0041	0.0039	0.0036	0.0032				
	A32	2650	0.0000	0.0016	0.0023	0.0030	0.0034	0.0037	0.0038	0.0036	0.0032	0.0027				
	A33	2598	0.0000	0.0015	0.0022	0.0029	0.0032	0.0036	0.0037	0.0033	0.0026	0.0020				
	A34	2665	0.0000	0.0014	0.0020	0.0029	0.0033	0.0038	0.0040	0.0038	0.0034	0.0030				
	A35	2612	0.0000	0.0016	0.0025	0.0029	0.0032	0.0032	0.0033	0.0027	0.0023	0.0018				
	A36	2654	0.0000	0.0015	0.0024	0.0031	0.0035	0.0036	0.0037	0.0031	0.0027	0.0022				
	A37	2639	0.0000	0.0015	0.0025	0.0032	0.0035	0.0037	0.0037	0.0033	0.0027	0.0022				
	A38	2645	0.0000	0.0016	0.0023	0.0028	0.0034	0.0036	0.0039	0.0035	0.0030	0.0025				
	A39	2684	0.0000	0.0015	0.0024	0.0032	0.0034	0.0036	0.0037	0.0033	0.0027	0.0022				
	A40	2670	0.0000	0.0014	0.0024	0.0032	0.0035	0.0037	0.0040	0.0035	0.0030	0.0025				
	A51	2651	0.0000	0.0017	0.0024	0.0030	0.0034	0.0037	0.0037	0.0035	0.0031	0.0027				
	A52	2653	0.0000	0.0017	0.0025	0.0031	0.0036	0.0038	0.0038	0.0034	0.0030	0.0026				
	A53	2669	0.0000	0.0016	0.0024	0.0029	0.0034	0.0036	0.0037	0.0032	0.0028	0.0025				
	A54	2642	0.0000	0.0015	0.0023	0.0033	0.0037	0.0039	0.0039	0.0036	0.0032	0.0028				
	A55	2658	0.0000	0.0015	0.0022	0.0030	0.0035	0.0036	0.0038	0.0036	0.0032	0.0028				
	ave	**2643**	**0.0000**	**0.0016**	**0.0023**	**0.0031**	**0.0034**	**0.0037**	**0.0038**	**0.0035**	**0.0030**	**0.0025**				
DATA SET 13: CCT = 3000K, T_J = 123C	A1	3033	0.0000	0.0009	0.0013	0.0020	0.0026	0.0029	0.0031	0.0030	0.0028	0.0025				
	A2	2976	0.0000	0.0009	0.0014	0.0022	0.0026	0.0028	0.0031	0.0029	0.0026	0.0024				
	A3	3001	0.0000	0.0010	0.0014	0.0020	0.0027	0.0028	0.0030	0.0028	0.0024	0.0022				
	A4	3023	0.0000	0.0010	0.0014	0.0020	0.0025	0.0027	0.0028	0.0025	0.0021	0.0019				
	A5	3070	0.0000	0.0009	0.0014	0.0020	0.0025	0.0027	0.0029	0.0027	0.0023	0.0020				
	A6	2957	0.0000	0.0010	0.0015	0.0024	0.0028	0.0031	0.0034	0.0032	0.0028	0.0027				
	A7	2964	0.0000	0.0010	0.0016	0.0025	0.0028	0.0030	0.0032	0.0031	0.0027	0.0025				
	A8	2888	0.0000	0.0010	0.0015	0.0023	0.0026	0.0027	0.0029	0.0026	0.0023	0.0020				
	A9	2954	0.0000	0.0011	0.0016	0.0023	0.0026	0.0028	0.0029	0.0028	0.0023	0.0020				
	A10	2962	0.0000	0.0011	0.0016	0.0024	0.0027	0.0029	0.0032	0.0031	0.0028	0.0026				
	A21	3072	0.0000	0.0010	0.0015	0.0023	0.0030	0.0031	0.0034	0.0033	0.0030	0.0027				
	A22	2986	0.0000	0.0010	0.0014	0.0025	0.0030	0.0031	0.0034	0.0032	0.0030	0.0026				
	A23	2971	0.0000	0.0010	0.0015	0.0023	0.0028	0.0030	0.0033	0.0032	0.0029	0.0026				
	A24	2977	0.0000	0.0009	0.0016	0.0025	0.0029	0.0031	0.0032	0.0030	0.0026	0.0023				
	A25	3041	0.0000	0.0011	0.0015	0.0023	0.0028	0.0030	0.0032	0.0030	0.0027	0.0024				
	A26	2986	0.0000	0.0010	0.0015	0.0023	0.0027	0.0030	0.0032	0.0031	0.0027	0.0024				
	A27	3100	0.0000	0.0010	0.0014	0.0023	0.0027	0.0029	0.0032	0.0030	0.0027	0.0025				
	A28	2992	0.0000	0.0011	0.0017	0.0024	0.0028	0.0028	0.0030	0.0028	0.0024	0.0021				
	A29	3056	0.0000	0.0010	0.0016	0.0025	0.0027	0.0029	0.0030	0.0029	0.0026	0.0022				
	A30	2997	0.0000	0.0011	0.0017	0.0025	0.0028	0.0028	0.0028	0.0025	0.0021	0.0017				
	A41	3069	0.0000	0.0011	0.0014	0.0023	0.0027	0.0030	0.0031	0.0029	0.0026	0.0022				
	A42	3048	0.0000	0.0010	0.0014	0.0021	0.0024	0.0026	0.0027	0.0023	0.0020	0.0016				
	A43	3006	0.0000	0.0011	0.0015	0.0025	0.0028	0.0030	0.0030	0.0027	0.0023	0.0019				
	A44	3032	0.0000	0.0010	0.0016	0.0026	0.0029	0.0032	0.0033	0.0032	0.0030	0.0027				
	A45	3073	0.0000	0.0011	0.0017	0.0026	0.0030	0.0032	0.0032	0.0030	0.0028	0.0025				
	ave	**3009**	**0.0000**	**0.0010**	**0.0015**	**0.0023**	**0.0027**	**0.0029**	**0.0031**	**0.0029**	**0.0026**	**0.0023**				

$T_S = T_{AIR} = 105°C$, $I_F = 0.7A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 4: CCT = 2650K, T_J = 123C	A11	2649	3.207	3.206	3.202	3.212	3.354	3.477	3.476	3.478	3.488	3.489				
	A12	2593	3.077	3.075	3.074	3.076	3.135	3.288	3.294	3.297	3.307	3.312				
	A13	2644	3.166	3.163	3.160	3.168	3.288	3.430	3.429	3.429	3.438	3.441				
	A14	2594	3.201	3.198	3.197	3.225	3.301	3.321	3.324	3.327	3.333	3.336				
	A15	2645	3.256	3.254	3.252	3.266	3.463	3.536	3.536	3.536	3.548	3.550				
	A16	2665	3.193	3.189	3.189	3.210	3.415	3.477	3.479	3.483	3.494	3.494				
	A17	2639	3.157	3.153	3.154	3.184	3.307	3.326	3.328	3.329	3.335	3.333				
	A18	2550	3.212	3.209	3.210	3.223	3.418	3.505	3.502	3.501	3.508	3.510				
	A19	2688	3.254	3.250	3.251	3.277	3.509	3.545	3.542	3.539	3.551	3.552				
	A20	2652	3.216	3.213	3.212	3.222	3.384	3.503	3.502	3.501	3.510	3.511				
	A31	2673	3.082	3.080	3.077	3.080	3.141	3.314	3.324	3.329	3.339	3.347				
	A32	2650	3.114	3.110	3.108	3.121	3.233	3.311	3.312	3.315	3.322	3.323				
	A33	2598	3.121	3.118	3.115	3.124	3.219	3.365	3.368	3.370	3.378	3.379				
	A34	2665	3.101	3.098	3.094	3.109	3.220	3.321	3.323	3.324	3.328	3.333				
	A35	2612	3.192	3.189	3.188	3.207	3.345	3.392	3.392	3.395	3.401	3.401				
	A36	2654	3.253	3.250	3.251	3.273	3.500	3.550	3.542	3.538	3.542	3.537				
	A37	2639	3.218	3.216	3.216	3.236	3.462	3.515	3.515	3.517	3.528	3.528				
	A38	2645	3.178	3.174	3.176	3.227	3.460	3.469	3.469	3.466	3.473	3.474				
	A39	2684	3.179	3.178	3.178	3.199	3.409	3.470	3.471	3.474	3.483	3.484				
	A40	2670	3.135	3.133	3.131	3.148	3.309	3.387	3.389	3.390	3.395	3.397				
	A51	2651	3.283	3.277	3.280	3.421	3.504	3.520	3.519	3.516	3.515	3.508				
	A52	2653	3.152	3.149	3.154	3.245	3.444	3.459	3.467	3.472	3.474	3.470				
	A53	2669	3.182	3.179	3.184	3.311	3.523	3.536	3.541	3.541	3.542	3.534				
	A54	2642	3.136	3.130	3.136	3.291	3.350	3.361	3.364	3.364	3.361	3.354				
	A55	2658	3.162	3.158	3.172	3.281	3.312	3.321	3.322	3.322	3.319	3.315				
	ave	**2643**	**3.177**													
DATA SET 13: CCT = 3000K, T_J = 123C	A1	3033	3.150	3.146	3.148	3.225	3.346	3.352	3.354	3.354	3.358	3.356				
	A2	2976	3.181	3.173	3.174	3.293	3.398	3.408	3.410	3.413	3.420	3.416				
	A3	3001	3.264	3.261	3.261	3.392	3.598	3.614	3.610	3.602	3.601	3.587				
	A4	3023	3.182	3.178	3.180	3.305	3.433	3.444	3.448	3.447	3.450	3.442				
	A5	3070	3.190	3.185	3.189	3.350	3.475	3.496	3.505	3.511	3.517	3.511				
	A6	2957	3.206	3.202	3.205	3.332	3.467	3.480	3.480	3.478	3.476	3.470				
	A7	2964	3.306	3.282	3.262	3.305	3.332	3.345	3.345	3.339	3.338	3.333				
	A8	2888	3.120	3.113	3.129	3.336	3.360	3.365	3.357	3.351	3.344	3.334				
	A9	2954	3.105	3.099	3.103	3.253	3.365	3.384	3.387	3.388	3.390	3.390				
	A10	2962	3.269	3.263	3.264	3.323	3.358	3.363	3.363	3.361	3.364	3.361				
	A21	3072	3.242	3.238	3.240	3.317	3.544	3.561	3.567	3.568	3.573	3.565				
	A22	2986	3.175	3.168	3.181	3.283	3.311	3.323	3.322	3.321	3.319	3.313				
	A23	2971	3.153	3.147	3.165	3.340	3.361	3.366	3.368	3.364	3.366	3.361				
	A24	2977	3.152	3.143	3.154	3.320	3.357	3.362	3.360	3.351	3.352	3.348				
	A25	3041	3.224	3.219	3.223	3.375	3.504	3.516	3.515	3.509	3.508	3.496				
	A26	2986	3.182	3.177	3.187	3.312	3.363	3.374	3.374	3.374	3.378	3.377				
	A27	3100	3.176	3.170	3.177	3.394	3.451	3.455	3.448	3.436	3.427	3.414				
	A28	2992	3.132	3.128	3.133	3.290	3.389	3.403	3.406	3.404	3.406	3.401				
	A29	3056	3.271	3.260	3.257	3.316	3.338	3.349	3.347	3.347	3.349	3.346				
	A30	2997	3.152	3.147	3.163	3.394	3.410	3.415	3.405	3.403	3.402	3.398				
	A41	3069	3.095	3.089	3.110	3.343	3.363	3.377	3.387	3.389	3.390	3.390				
	A42	3048	3.268	3.237	3.253	3.290	3.298	3.299	3.299	3.299	3.298	3.297				
	A43	3006	3.223	3.217	3.242	3.664	3.700	3.719	3.717	3.708	3.701	3.688				
	A44	3032	3.255	3.226	3.223	3.232	3.240	3.242	3.242	3.244	3.245	3.246				
	A45	3073	3.331	3.289	3.292	3.307	3.313	3.316	3.316	3.316	3.316	3.312				
	ave	**3009**	**3.200**													

$T_S = T_{AIR} = 105°C$, $I_F = 0.7A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

Lumen Data

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	Lumen Maintenance % at 6khours
DATA SET 22: CCT = 3500K, T_J = 130C	A1	3631	134.118	134.074	134.292	134.219	134.762	136.515	133.797	135.159	134.830	134.297	134.775				**100.1**
	A6	3528	116.587	109.928	109.847	109.232	108.693	109.257	107.272	93.299	85.405	79.826	76.781				**68.5**
	A7	3649	122.788	118.715	118.347	117.807	117.261	117.502	115.937	103.581	96.397	90.290	86.229				**73.5**
	A8	3695	132.449	131.415	131.597	131.040	130.594	131.446	130.125	120.457	114.883	110.799	109.050				**83.7**
	A9	3646	130.299	129.881	130.045	129.949	130.253	128.904	126.919	124.991	118.045	113.924	112.644				**87.4**
	A18	3626	143.678	143.990	144.589	145.284	146.689	144.785	142.811	142.602	142.312	141.226	141.336				**98.3**
	A31	3348	127.192	125.867	125.730	127.954	135.006	137.939	136.501	138.464	137.651	136.975	137.225				**107.7**
	A36	3686	137.345	137.528	137.752	137.711	138.318	139.413	136.081	135.921	135.171	134.641	134.988				**98.0**
	A69	3573	138.114	138.198	138.667	139.407	141.767	136.980	134.860	134.723	133.775	133.063	132.722				**96.3**
	B2	3694	133.013	132.860	133.219	133.707	134.562	133.512	131.986	131.325	130.647	130.026	130.220				**97.8**
	B3	3472	131.276	130.511	129.289	128.733	128.843	127.330	123.820	122.671	122.478	122.441	122.824				**93.3**
	B4	3510	130.256	129.653	123.321	123.591	124.785	125.411	121.453	121.205	120.616	120.748	121.129				**92.7**
	B5	3321	130.832	130.417	124.101	123.959	124.151	124.777	120.568	118.505	118.291	118.006	118.456				**90.2**
	B6	3475	135.597	135.045	135.143	135.704	136.028	136.718	131.906	130.867	130.108	129.390	130.134				**95.4**
	B7	3421	129.464	128.716	129.114	129.510	131.167	131.521	126.036	124.657	124.365	125.656	126.073				**97.1**
	B8	3375	129.337	128.608	129.013	129.426	130.482	131.092	125.243	124.490	123.889	124.827	125.383				**96.5**
	B10	3413	132.364	131.863	132.073	132.309	131.594	132.355	129.832	126.391	125.408	124.914	125.518				**94.4**
	B13	3408	129.308	128.760	128.821	128.956	129.705	130.536	126.013	124.797	123.741	122.973	123.282				**95.1**
	B14	3427	130.426	129.974	129.941	130.032	130.105	131.152	127.237	126.222	125.330	124.574	125.217				**95.5**
	B19	3373	129.927	129.460	129.661	129.887	128.189	129.267	126.597	123.752	122.908	122.500	123.352				**94.3**
	B20	3409	133.230	132.856	133.336	133.593	133.478	135.208	132.209	130.576	129.933	129.130	130.257				**96.9**
	B23	3434	131.866	131.338	131.747	132.092	132.577	133.019	129.030	128.004	127.571	126.664	126.870				**96.1**
	B24	3545	132.863	132.541	132.888	133.192	133.578	134.530	130.267	129.253	128.967	128.007	128.340				**96.3**
	B25	3593	133.687	133.423	133.314	133.584	133.298	134.120	129.895	128.978	129.060	128.317	128.720				**96.0**
	B26	3692	133.847	133.450	133.758	134.015	134.201	135.881	131.385	130.004	129.583	129.198	129.688				**96.5**
	ave	**3518**															**93.5**
DATA SET 28: CCT = 4000K, T_J = 130C	A10	4090	139.988	140.151	140.626	140.865	141.554	141.836	138.770	138.156	136.457	133.248	132.491				**95.2**
	A11	3858	134.459	134.458	134.508	134.411	134.975	136.766	134.972	134.908	134.943	134.770	135.345				**100.2**
	A16	3990	147.418	147.812	148.318	148.394	149.532	149.373	146.675	146.584	144.757	144.333	144.577				**97.9**
	A20	4198	139.250	139.273	139.799	140.004	140.634	140.893	138.554	138.031	137.971	137.010	136.947				**98.4**
	A21	3905	137.890	137.767	138.092	137.825	138.879	140.620	139.653	139.093	138.225	137.668	137.934				**99.8**
	A26	4051	142.926	143.314	143.856	144.069	145.174	145.563	142.469	142.086	141.286	140.477	140.524				**98.3**
	A27	3984	142.507	142.777	143.288	143.395	143.929	144.514	141.414	140.959	141.217	140.181	140.133				**98.4**
	A28	4077	138.788	139.053	139.827	141.316	139.193	140.417	139.481	139.307	138.563	136.381	136.277				**98.3**
	A29	4112	140.906	141.246	142.023	143.015	142.754	139.414	137.436	137.585	137.156	136.001	135.843				**96.5**
	A38	3877	141.484	141.577	142.014	142.269	143.783	142.499	140.200	139.965	140.246	139.412	139.340				**98.5**
	A39	3877	137.873	138.048	138.553	139.043	139.885	138.214	137.436	137.025	137.593	137.289	137.129				**99.6**
	A40	4013	138.179	139.135	139.890	139.888	140.574	141.017	139.404	139.057	138.251	137.312	137.374				**99.4**
	A41	3897	136.082	135.955	136.250	136.613	136.657	137.064	136.060	135.403	135.078	134.423	135.103				**98.8**
	A46	4061	137.172	137.512	137.967	139.143	140.517	135.727	133.258	133.035	132.101	131.633	131.744				**96.0**
	A47	4086	137.833	137.917	138.490	139.376	139.615	138.697	137.396	137.254	137.268	136.726	136.513				**99.2**
	A48	4028	137.043	137.021	137.555	137.821	139.068	138.236	136.243	136.177	136.077	134.730	134.861				**98.3**
	A49	3903	141.514	142.094	142.668	142.579	143.756	142.940	140.726	140.280	138.835	138.087	137.866				**97.6**
	A50	4029	138.510	138.552	139.302	140.207	140.074	139.349	137.790	137.403	136.437	135.816	135.627				**98.1**
	A56	4022	140.339	140.281	140.837	141.388	142.957	140.742	138.908	138.737	138.272	137.604	137.499				**98.1**
	A57	3931	139.919	139.755	140.207	140.701	141.994	140.164	138.672	138.427	138.158	137.124	136.957				**98.0**
	A58	4030	135.439	135.307	135.726	136.845	137.039	135.754	134.794	134.768	134.413	133.818	133.411				**98.8**
	A59	3937	142.727	143.144	143.785	144.110	145.183	144.598	142.273	141.904	141.374	140.379	139.984				**98.4**
	A66	4038	139.374	139.288	139.497	140.396	140.579	140.330	136.851	136.575	136.206	135.693	135.486				**97.4**
	A70	4036	133.642	133.595	134.342	135.652	134.593	133.563	131.864	131.790	131.298	130.430	129.880				**97.6**
	A71	3992	133.160	132.851	133.412	133.623	133.263	133.926	132.407	131.626	131.752	131.330	131.202				**98.6**
	ave	**4001**															**98.2**

$T_S = T_{AIR} = 105°C, I_F = 0.7A$

$T_S \geq 103C, T_{AIR} \geq 100C$ in compliance with LM-80-08

			Normalized flux													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 22: CCT = 3500K, T_J = 130C	A1	3631	1.0000	0.9997	1.0013	1.0007	1.0048	1.0179	0.9976	1.0078	1.0053	1.0013	1.0049			
	A6	3528	1.0000	0.9429	0.9422	0.9369	0.9323	0.9371	0.9201	0.8002	0.7325	0.6847	0.6586			
	A7	3649	1.0000	0.9668	0.9638	0.9594	0.9550	0.9569	0.9442	0.8436	0.7851	0.7353	0.7023			
	A8	3695	1.0000	0.9922	0.9936	0.9894	0.9860	0.9924	0.9825	0.9095	0.8674	0.8365	0.8233			
	A9	3646	1.0000	0.9968	0.9981	0.9973	0.9997	0.9893	0.9741	0.9593	0.9060	0.8743	0.8645			
	A18	3626	1.0000	1.0022	1.0063	1.0112	1.0210	1.0077	0.9940	0.9925	0.9905	0.9829	0.9837			
	A31	3348	1.0000	0.9896	0.9885	1.0060	1.0614	1.0845	1.0732	1.0886	1.0822	1.0769	1.0789			
	A36	3686	1.0000	1.0013	1.0030	1.0027	1.0071	1.0151	0.9908	0.9896	0.9842	0.9803	0.9828			
	A69	3573	1.0000	1.0006	1.0040	1.0094	1.0265	0.9918	0.9764	0.9754	0.9686	0.9634	0.9610			
	B2	3694	1.0000	0.9989	1.0015	1.0052	1.0116	1.0037	0.9923	0.9873	0.9822	0.9775	0.9790			
	B3	3472	1.0000	0.9942	0.9849	0.9806	0.9815	0.9699	0.9432	0.9345	0.9330	0.9327	0.9356			
	B4	3510	1.0000	0.9954	0.9468	0.9488	0.9580	0.9628	0.9324	0.9305	0.9260	0.9270	0.9299			
	B5	3321	1.0000	0.9968	0.9486	0.9475	0.9489	0.9537	0.9215	0.9058	0.9041	0.9020	0.9054			
	B6	3475	1.0000	0.9959	0.9967	1.0008	1.0032	1.0083	0.9728	0.9651	0.9595	0.9542	0.9597			
	B7	3421	1.0000	0.9942	0.9973	1.0004	1.0132	1.0159	0.9735	0.9629	0.9606	0.9706	0.9738			
	B8	3375	1.0000	0.9944	0.9975	1.0007	1.0089	1.0136	0.9683	0.9625	0.9579	0.9651	0.9694			
	B10	3413	1.0000	0.9962	0.9978	0.9996	0.9942	0.9999	0.9809	0.9549	0.9474	0.9437	0.9483			
	B13	3408	1.0000	0.9958	0.9962	0.9973	1.0031	1.0095	0.9745	0.9651	0.9570	0.9510	0.9534			
	B14	3427	1.0000	0.9965	0.9963	0.9970	0.9975	1.0056	0.9755	0.9678	0.9609	0.9551	0.9601			
	B19	3373	1.0000	0.9964	0.9979	0.9997	0.9866	0.9949	0.9744	0.9525	0.9460	0.9428	0.9494			
	B20	3409	1.0000	0.9972	1.0008	1.0027	1.0019	1.0149	0.9923	0.9801	0.9753	0.9692	0.9777			
	B23	3434	1.0000	0.9960	0.9991	1.0017	1.0054	1.0087	0.9785	0.9707	0.9674	0.9605	0.9621			
	B24	3545	1.0000	0.9976	1.0002	1.0025	1.0054	1.0125	0.9805	0.9728	0.9707	0.9635	0.9660			
	B25	3593	1.0000	0.9980	0.9972	0.9992	0.9971	1.0032	0.9716	0.9648	0.9654	0.9598	0.9628			
	B26	3692	1.0000	0.9970	0.9993	1.0013	1.0026	1.0152	0.9816	0.9713	0.9681	0.9653	0.9689			
	ave	**3518**	**1.0000**	**0.9933**	**0.9904**	**0.9919**	**0.9965**	**0.9994**	**0.9747**	**0.9566**	**0.9441**	**0.9350**	**0.9345**			
DATA SET 28: CCT = 4000K, T_J = 130C	A10	4090	1.0000	1.0012	1.0046	1.0063	1.0112	1.0132	0.9913	0.9869	0.9748	0.9519	0.9464			
	A11	3858	1.0000	1.0000	1.0004	0.9996	1.0038	1.0172	1.0038	1.0033	1.0036	1.0023	1.0066			
	A16	3990	1.0000	1.0027	1.0061	1.0066	1.0143	1.0133	0.9950	0.9943	0.9820	0.9791	0.9807			
	A20	4198	1.0000	1.0002	1.0039	1.0054	1.0099	1.0118	0.9950	0.9913	0.9908	0.9839	0.9835			
	A21	3905	1.0000	0.9991	1.0015	0.9995	1.0072	1.0198	1.0128	1.0087	1.0024	0.9984	1.0003			
	A26	4051	1.0000	1.0027	1.0065	1.0080	1.0157	1.0185	0.9968	0.9941	0.9885	0.9829	0.9832			
	A27	3984	1.0000	1.0019	1.0055	1.0062	1.0100	1.0141	0.9923	0.9891	0.9909	0.9837	0.9833			
	A28	4077	1.0000	1.0019	1.0075	1.0182	1.0029	1.0117	1.0050	1.0037	0.9984	0.9827	0.9819			
	A29	4112	1.0000	1.0024	1.0079	1.0150	1.0131	0.9894	0.9754	0.9764	0.9734	0.9652	0.9641			
	A38	3877	1.0000	1.0007	1.0037	1.0055	1.0163	1.0072	0.9909	0.9893	0.9912	0.9854	0.9848			
	A39	3877	1.0000	1.0013	1.0049	1.0085	1.0146	1.0025	0.9968	0.9938	0.9980	0.9958	0.9946			
	A40	4013	1.0000	1.0069	1.0124	1.0124	1.0173	1.0205	1.0089	1.0064	1.0005	0.9937	0.9942			
	A41	3897	1.0000	0.9991	1.0012	1.0039	1.0042	1.0072	0.9998	0.9950	0.9926	0.9878	0.9928			
	A46	4061	1.0000	1.0025	1.0058	1.0144	1.0244	0.9895	0.9715	0.9698	0.9630	0.9596	0.9604			
	A47	4086	1.0000	1.0006	1.0048	1.0112	1.0129	1.0063	0.9968	0.9958	0.9959	0.9920	0.9904			
	A48	4028	1.0000	0.9998	1.0037	1.0057	1.0148	1.0087	0.9942	0.9937	0.9930	0.9831	0.9841			
	A49	3903	1.0000	1.0041	1.0082	1.0075	1.0158	1.0101	0.9944	0.9913	0.9811	0.9758	0.9742			
	A50	4029	1.0000	1.0003	1.0057	1.0123	1.0113	1.0061	0.9948	0.9920	0.9850	0.9805	0.9792			
	A56	4022	1.0000	0.9996	1.0035	1.0075	1.0186	1.0029	0.9898	0.9886	0.9853	0.9805	0.9798			
	A57	3931	1.0000	0.9988	1.0021	1.0056	1.0148	1.0018	0.9911	0.9893	0.9874	0.9800	0.9788			
	A58	4030	1.0000	0.9990	1.0021	1.0104	1.0118	1.0023	0.9952	0.9950	0.9924	0.9880	0.9850			
	A59	3937	1.0000	1.0029	1.0074	1.0097	1.0172	1.0131	0.9968	0.9942	0.9905	0.9835	0.9808			
	A66	4038	1.0000	0.9994	1.0009	1.0073	1.0086	1.0069	0.9819	0.9799	0.9773	0.9736	0.9721			
	A70	4036	1.0000	0.9997	1.0052	1.0150	1.0071	0.9994	0.9867	0.9861	0.9825	0.9760	0.9719			
	A71	3992	1.0000	0.9977	1.0019	1.0035	1.0008	1.0058	0.9943	0.9885	0.9894	0.9863	0.9853			
	ave	**4001**	**1.0000**	**1.0010**	**1.0047**	**1.0082**	**1.0120**	**1.0080**	**0.9941**	**0.9919**	**0.9884**	**0.9821**	**0.9815**			

$T_S = T_{AIR} = 105°C$, $I_F = 0.7A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 22: CCT = 3500K, T_J = 130C	A1	3631	1.5826E-06	1.0130	0.187	233,514
	A6	3528	7.8248E-05	1.1114	0.964	5,909
	A7	3649	6.7691E-05	1.1150	0.974	6,878
	A8	3695	4.1819E-05	1.0858	0.957	10,497
	A9	3646	3.0154E-05	1.0613	0.954	13,801
	A18	3626	4.4586E-06	1.0120	0.853	82,662
	A31	3348	6.1198E-07	1.0837	0.050	714,147
	A36	3686	5.6778E-06	1.0160	0.698	65,620
	A69	3573	5.8631E-06	0.9987	0.915	60,617
	B2	3694	4.9968E-06	1.0094	0.884	73,256
	B3	3472	6.1524E-06	0.9678	0.573	52,657
	B4	3510	5.6008E-06	0.9585	0.506	56,123
	B5	3321	9.3184E-06	0.9544	0.652	33,272
	B6	3475	8.8681E-06	1.0093	0.678	41,259
	B7	3421	6.3692E-06	1.0044	0.341	56,693
	B8	3375	6.7832E-06	1.0028	0.378	52,992
	B10	3413	1.1110E-05	1.0116	0.790	33,146
	B13	3408	1.0504E-05	1.0151	0.775	35,380
	B14	3427	8.6309E-06	1.0091	0.739	42,379
	B19	3373	9.7065E-06	1.0027	0.741	37,020
	B20	3409	7.4899E-06	1.0186	0.708	50,075
	B23	3434	8.4447E-06	1.0123	0.757	43,683
	B24	3545	8.2926E-06	1.0147	0.719	44,769
	B25	3593	6.8995E-06	1.0018	0.619	51,956
	B26	3692	8.1956E-06	1.0150	0.648	45,338
	ave	**3518**	**1.3532E-05**	**1.0172**	**0.914**	**27,619**
DATA SET 28: CCT = 4000K, T_J = 130C	A10	4090	1.3571E-05	1.0387	0.967	29,079
	A11	3858	1.6131E-06	1.0135	0.298	229,390
	A16	3990	6.3998E-06	1.0196	0.834	58,764
	A20	4198	5.0315E-06	1.0154	0.819	73,926
	A21	3905	4.1604E-06	1.0261	0.907	91,919
	A26	4051	6.4017E-06	1.0230	0.819	59,263
	A27	3984	5.0960E-06	1.0152	0.708	72,953
	A28	4077	6.3544E-06	1.0261	0.919	60,185
	A29	4112	4.6961E-06	0.9947	0.872	74,830
	A38	3877	3.6280E-06	1.0078	0.687	100,441
	A39	3877	1.0986E-06	1.0019	0.438	326,333
	A40	4013	5.2010E-06	1.0278	0.928	73,843
	A41	3897	3.1655E-06	1.0102	0.758	115,867
	A46	4061	5.5075E-06	0.9932	0.810	63,529
	A47	4086	2.6834E-06	1.0083	0.820	135,997
	A48	4028	4.5086E-06	1.0131	0.829	81,995
	A49	3903	7.0817E-06	1.0197	0.931	53,123
	A50	4029	5.3056E-06	1.0135	0.942	69,748
	A56	4022	4.2346E-06	1.0068	0.866	85,821
	A57	3931	4.3238E-06	1.0075	0.920	84,211
	A58	4030	3.1851E-06	1.0073	0.949	114,275
	A59	3937	5.8897E-06	1.0198	0.907	63,886
	A66	4038	5.8242E-06	1.0079	0.716	62,600
	A70	4036	5.0389E-06	1.0063	0.931	72,025
	A71	3992	3.6089E-06	1.0078	0.777	100,986
	ave	**4001**	**4.9350E-06**	**1.0132**	**0.890**	**74,930**

$T_S = T_{AIR} = 105°C$, $I_F = 0.7A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

u'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 22: CCT = 3500K, T_J = 130C	A1	3631	0.2312	0.2298	0.2292	0.2288	0.2286	0.2283	0.2283	0.2281	0.2281	0.2283	0.2283			
	A6	3528	0.2335	0.2302	0.2295	0.2291	0.2289	0.2288	0.2291	0.2310	0.2322	0.2334	0.2338			
	A7	3649	0.2313	0.2287	0.2280	0.2276	0.2274	0.2273	0.2275	0.2287	0.2298	0.2309	0.2314			
	A8	3695	0.2297	0.2284	0.2278	0.2274	0.2272	0.2271	0.2272	0.2278	0.2284	0.2293	0.2298			
	A9	3646	0.2300	0.2286	0.2280	0.2276	0.2273	0.2270	0.2271	0.2274	0.2277	0.2282	0.2283			
	A18	3626	0.2266	0.2254	0.2248	0.2244	0.2242	0.2239	0.2238	0.2237	0.2236	0.2237	0.2237			
	A31	3348	0.2350	0.2337	0.2331	0.2326	0.2313	0.2310	0.2309	0.2308	0.2308	0.2309	0.2309			
	A36	3686	0.2297	0.2285	0.2279	0.2275	0.2273	0.2269	0.2267	0.2266	0.2265	0.2266	0.2266			
	A69	3573	0.2313	0.2300	0.2293	0.2289	0.2286	0.2283	0.2283	0.2282	0.2284	0.2285	0.2285			
	B2	3694	0.2303	0.2289	0.2281	0.2278	0.2275	0.2275	0.2275	0.2275	0.2276	0.2278	0.2278			
	B3	3472	0.2371	0.2356	0.2348	0.2345	0.2343	0.2340	0.2339	0.2339	0.2339	0.2340	0.2339			
	B4	3510	0.2364	0.2350	0.2344	0.2341	0.2337	0.2335	0.2334	0.2333	0.2334	0.2334	0.2334			
	B5	3321	0.2403	0.2386	0.2380	0.2376	0.2373	0.2371	0.2369	0.2368	0.2369	0.2370	0.2369			
	B6	3475	0.2356	0.2341	0.2333	0.2328	0.2325	0.2323	0.2320	0.2320	0.2321	0.2322	0.2321			
	B7	3421	0.2372	0.2357	0.2349	0.2344	0.2340	0.2337	0.2336	0.2336	0.2336	0.2335	0.2335			
	B8	3375	0.2386	0.2371	0.2363	0.2358	0.2355	0.2353	0.2351	0.2350	0.2351	0.2350	0.2349			
	B10	3413	0.2376	0.2360	0.2353	0.2347	0.2344	0.2342	0.2340	0.2338	0.2338	0.2339	0.2339			
	B13	3408	0.2387	0.2372	0.2364	0.2360	0.2357	0.2355	0.2352	0.2351	0.2351	0.2352	0.2352			
	B14	3427	0.2383	0.2368	0.2360	0.2356	0.2353	0.2351	0.2347	0.2346	0.2346	0.2347	0.2346			
	B19	3373	0.2386	0.2371	0.2364	0.2359	0.2357	0.2355	0.2353	0.2350	0.2350	0.2351	0.2350			
	B20	3409	0.2373	0.2358	0.2351	0.2347	0.2343	0.2340	0.2337	0.2336	0.2336	0.2336	0.2336			
	B23	3434	0.2375	0.2361	0.2354	0.2349	0.2347	0.2344	0.2342	0.2341	0.2341	0.2343	0.2342			
	B24	3545	0.2358	0.2344	0.2337	0.2332	0.2330	0.2325	0.2323	0.2321	0.2322	0.2323	0.2323			
	B25	3593	0.2358	0.2343	0.2337	0.2332	0.2330	0.2326	0.2323	0.2322	0.2321	0.2323	0.2322			
	B26	3692	0.2345	0.2330	0.2323	0.2319	0.2317	0.2312	0.2309	0.2308	0.2308	0.2309	0.2308			
	ave	**3518**														
DATA SET 28: CCT = 4000K, T_J = 130C	A10	4090	0.2237	0.2223	0.2217	0.2213	0.2211	0.2208	0.2208	0.2210	0.2212	0.2215	0.2217			
	A11	3858	0.2286	0.2273	0.2267	0.2263	0.2261	0.2259	0.2257	0.2256	0.2255	0.2257	0.2257			
	A16	3990	0.2264	0.2251	0.2245	0.2240	0.2237	0.2233	0.2232	0.2231	0.2232	0.2233	0.2233			
	A20	4198	0.2241	0.2227	0.2221	0.2217	0.2217	0.2214	0.2215	0.2215	0.2215	0.2218	0.2219			
	A21	3905	0.2277	0.2263	0.2257	0.2253	0.2251	0.2248	0.2247	0.2245	0.2245	0.2246	0.2247			
	A26	4051	0.2258	0.2245	0.2238	0.2234	0.2232	0.2228	0.2226	0.2225	0.2225	0.2227	0.2227			
	A27	3984	0.2262	0.2249	0.2242	0.2239	0.2237	0.2233	0.2231	0.2229	0.2229	0.2231	0.2231			
	A28	4077	0.2272	0.2259	0.2252	0.2247	0.2243	0.2240	0.2239	0.2237	0.2237	0.2241	0.2241			
	A29	4112	0.2261	0.2248	0.2242	0.2237	0.2235	0.2231	0.2230	0.2228	0.2228	0.2230	0.2231			
	A38	3877	0.2268	0.2255	0.2249	0.2245	0.2243	0.2239	0.2238	0.2237	0.2236	0.2237	0.2238			
	A39	3877	0.2278	0.2265	0.2259	0.2255	0.2253	0.2249	0.2248	0.2247	0.2246	0.2248	0.2248			
	A40	4013	0.2263	0.2250	0.2243	0.2240	0.2238	0.2236	0.2234	0.2234	0.2234	0.2236	0.2236			
	A41	3897	0.2281	0.2268	0.2262	0.2257	0.2255	0.2253	0.2252	0.2252	0.2252	0.2252	0.2252			
	A46	4061	0.2276	0.2263	0.2257	0.2252	0.2250	0.2246	0.2245	0.2244	0.2245	0.2246	0.2247			
	A47	4086	0.2264	0.2251	0.2245	0.2240	0.2237	0.2235	0.2233	0.2232	0.2231	0.2233	0.2233			
	A48	4028	0.2261	0.2249	0.2243	0.2238	0.2236	0.2232	0.2231	0.2230	0.2229	0.2231	0.2230			
	A49	3903	0.2293	0.2280	0.2273	0.2269	0.2266	0.2262	0.2261	0.2260	0.2260	0.2263	0.2263			
	A50	4029	0.2261	0.2247	0.2240	0.2236	0.2235	0.2233	0.2233	0.2233	0.2233	0.2235	0.2235			
	A56	4022	0.2266	0.2254	0.2248	0.2244	0.2241	0.2238	0.2236	0.2235	0.2235	0.2237	0.2236			
	A57	3931	0.2269	0.2256	0.2250	0.2245	0.2243	0.2239	0.2238	0.2237	0.2236	0.2239	0.2238			
	A58	4030	0.2257	0.2246	0.2240	0.2236	0.2233	0.2230	0.2228	0.2227	0.2226	0.2227	0.2227			
	A59	3937	0.2275	0.2263	0.2256	0.2252	0.2250	0.2246	0.2244	0.2243	0.2243	0.2245	0.2245			
	A66	4038	0.2258	0.2246	0.2239	0.2234	0.2232	0.2229	0.2229	0.2228	0.2228	0.2228	0.2228			
	A70	4036	0.2258	0.2244	0.2237	0.2233	0.2232	0.2230	0.2229	0.2229	0.2230	0.2232	0.2233			
	A71	3992	0.2272	0.2259	0.2252	0.2248	0.2247	0.2246	0.2245	0.2244	0.2245	0.2245	0.2245			
	ave	**4001**														

$T_S = T_{AIR} = 105°C, I_F = 0.7A$

$T_S \geq 103C, T_{AIR} \geq 100C$ in compliance with LM-80-08

		CCT (t=0)	v' 0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 22: CCT = 3500K, T_J = 130C	A1	3631	0.5123	0.5122	0.5120	0.5121	0.5123	0.5130	0.5131	0.5133	0.5134	0.5142	0.5144			
	A6	3528	0.5150	0.5136	0.5134	0.5135	0.5137	0.5145	0.5154	0.5182	0.5181	0.5186	0.5187			
	A7	3649	0.5107	0.5097	0.5095	0.5097	0.5100	0.5106	0.5115	0.5140	0.5142	0.5149	0.5152			
	A8	3695	0.5110	0.5109	0.5107	0.5108	0.5110	0.5118	0.5124	0.5129	0.5118	0.5116	0.5117			
	A9	3646	0.5143	0.5143	0.5140	0.5141	0.5145	0.5151	0.5156	0.5170	0.5168	0.5163	0.5161			
	A18	3626	0.5246	0.5246	0.5247	0.5250	0.5256	0.5259	0.5260	0.5261	0.5262	0.5265	0.5267			
	A31	3348	0.5287	0.5288	0.5288	0.5287	0.5282	0.5286	0.5288	0.5292	0.5294	0.5296	0.5296			
	A36	3686	0.5118	0.5117	0.5116	0.5117	0.5120	0.5126	0.5128	0.5130	0.5131	0.5135	0.5136			
	A69	3573	0.5168	0.5167	0.5167	0.5169	0.5172	0.5178	0.5180	0.5183	0.5189	0.5192	0.5191			
	B2	3694	0.5097	0.5096	0.5095	0.5096	0.5097	0.5107	0.5113	0.5118	0.5119	0.5125	0.5123			
	B3	3472	0.5099	0.5097	0.5095	0.5098	0.5103	0.5110	0.5111	0.5114	0.5118	0.5122	0.5122			
	B4	3510	0.5084	0.5082	0.5083	0.5086	0.5088	0.5095	0.5098	0.5099	0.5104	0.5109	0.5110			
	B5	3321	0.5154	0.5153	0.5154	0.5157	0.5159	0.5168	0.5171	0.5174	0.5179	0.5182	0.5183			
	B6	3475	0.5137	0.5135	0.5135	0.5135	0.5140	0.5148	0.5149	0.5151	0.5154	0.5159	0.5159			
	B7	3421	0.5144	0.5142	0.5141	0.5142	0.5143	0.5150	0.5152	0.5155	0.5156	0.5158	0.5158			
	B8	3375	0.5147	0.5146	0.5145	0.5146	0.5149	0.5158	0.5158	0.5160	0.5161	0.5163	0.5163			
	B10	3413	0.5141	0.5140	0.5139	0.5139	0.5142	0.5149	0.5153	0.5155	0.5157	0.5161	0.5162			
	B13	3408	0.5112	0.5111	0.5109	0.5111	0.5113	0.5122	0.5126	0.5128	0.5132	0.5137	0.5139			
	B14	3427	0.5107	0.5105	0.5104	0.5105	0.5109	0.5117	0.5120	0.5122	0.5125	0.5131	0.5132			
	B19	3373	0.5152	0.5150	0.5150	0.5150	0.5153	0.5161	0.5165	0.5166	0.5167	0.5171	0.5171			
	B20	3409	0.5154	0.5152	0.5151	0.5152	0.5153	0.5158	0.5162	0.5164	0.5165	0.5166	0.5167			
	B23	3434	0.5121	0.5120	0.5119	0.5121	0.5125	0.5132	0.5134	0.5136	0.5139	0.5145	0.5145			
	B24	3545	0.5069	0.5067	0.5066	0.5067	0.5071	0.5079	0.5081	0.5083	0.5087	0.5092	0.5094			
	B25	3593	0.5031	0.5029	0.5028	0.5030	0.5035	0.5043	0.5046	0.5048	0.5048	0.5058	0.5058			
	B26	3692	0.4992	0.4989	0.4988	0.4990	0.4994	0.5003	0.5004	0.5006	0.5007	0.5014	0.5015			
	ave	**3518**														
DATA SET 28: CCT = 4000K, T_J = 130C	A10	4090	0.4996	0.4996	0.4993	0.4994	0.4992	0.5000	0.5010	0.5024	0.5033	0.5039	0.5040			
	A11	3858	0.5024	0.5023	0.5021	0.5022	0.5025	0.5032	0.5034	0.5036	0.5040	0.5046	0.5047			
	A16	3990	0.4994	0.4991	0.4989	0.4990	0.4992	0.5001	0.5004	0.5007	0.5013	0.5021	0.5024			
	A20	4198	0.4933	0.4932	0.4931	0.4934	0.4940	0.4950	0.4959	0.4969	0.4968	0.4980	0.4980			
	A21	3905	0.5015	0.5015	0.5012	0.5013	0.5014	0.5021	0.5023	0.5026	0.5028	0.5035	0.5037			
	A26	4051	0.4973	0.4971	0.4969	0.4971	0.4978	0.4985	0.4987	0.4989	0.4995	0.5003	0.5007			
	A27	3984	0.5002	0.5000	0.4999	0.5001	0.5006	0.5013	0.5015	0.5017	0.5020	0.5028	0.5030			
	A28	4077	0.4929	0.4927	0.4924	0.4929	0.4932	0.4939	0.4942	0.4945	0.4953	0.4962	0.4964			
	A29	4112	0.4935	0.4933	0.4931	0.4934	0.4941	0.4947	0.4949	0.4952	0.4957	0.4965	0.4967			
	A38	3877	0.5053	0.5051	0.5049	0.5050	0.5053	0.5061	0.5062	0.5065	0.5065	0.5071	0.5074			
	A39	3877	0.5029	0.5027	0.5026	0.5029	0.5035	0.5038	0.5040	0.5043	0.5045	0.5050	0.5049			
	A40	4013	0.4982	0.4983	0.4981	0.4983	0.4985	0.4994	0.4997	0.5003	0.5005	0.5010	0.5009			
	A41	3897	0.5010	0.5010	0.5007	0.5006	0.5008	0.5017	0.5020	0.5023	0.5027	0.5033	0.5033			
	A46	4061	0.4929	0.4927	0.4924	0.4926	0.4937	0.4942	0.4946	0.4952	0.4959	0.4962	0.4964			
	A47	4086	0.4942	0.4940	0.4938	0.4941	0.4946	0.4951	0.4954	0.4956	0.4956	0.4966	0.4963			
	A48	4028	0.4978	0.4976	0.4972	0.4974	0.4978	0.4986	0.4988	0.4991	0.4992	0.4998	0.5001			
	A49	3903	0.4979	0.4976	0.4973	0.4974	0.4978	0.4987	0.4990	0.4993	0.4999	0.5009	0.5007			
	A50	4029	0.4978	0.4978	0.4976	0.4979	0.4982	0.4992	0.4998	0.5001	0.5003	0.5010	0.5009			
	A56	4022	0.4970	0.4967	0.4966	0.4970	0.4979	0.4982	0.4984	0.4987	0.4990	0.4999	0.4996			
	A57	3931	0.5017	0.5015	0.5014	0.5016	0.5022	0.5027	0.5029	0.5031	0.5032	0.5042	0.5039			
	A58	4030	0.4985	0.4983	0.4982	0.4985	0.4990	0.4994	0.4996	0.4999	0.5000	0.5003	0.5006			
	A59	3937	0.4999	0.4997	0.4996	0.4999	0.5005	0.5011	0.5012	0.5015	0.5023	0.5028	0.5028			
	A66	4038	0.4979	0.4977	0.4975	0.4974	0.4979	0.4987	0.4990	0.4992	0.4994	0.4999	0.4999			
	A70	4036	0.4981	0.4980	0.4977	0.4979	0.4985	0.4992	0.4996	0.5004	0.5010	0.5014	0.5013			
	A71	3992	0.4973	0.4973	0.4970	0.4971	0.4974	0.4983	0.4987	0.4993	0.4998	0.5004	0.5003			
	ave	**4001**														

$T_S = T_{AIR} = 105°C$, $I_F = 0.7A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 22: CCT = 3500K, T_J = 130C	A1	3631	0.0000	0.0014	0.0020	0.0024	0.0026	0.0030	0.0030	0.0033	0.0033	0.0035	0.0036			
	A6	3528	0.0000	0.0036	0.0043	0.0046	0.0048	0.0047	0.0044	0.0041	0.0034	0.0036	0.0037			
	A7	3649	0.0000	0.0028	0.0035	0.0038	0.0040	0.0040	0.0039	0.0042	0.0038	0.0042	0.0045			
	A8	3695	0.0000	0.0013	0.0019	0.0023	0.0025	0.0027	0.0029	0.0027	0.0015	0.0007	0.0007			
	A9	3646	0.0000	0.0014	0.0020	0.0024	0.0027	0.0031	0.0032	0.0037	0.0034	0.0027	0.0025			
	A18	3626	0.0000	0.0012	0.0018	0.0022	0.0026	0.0030	0.0031	0.0033	0.0034	0.0035	0.0036			
	A31	3348	0.0000	0.0013	0.0019	0.0024	0.0037	0.0040	0.0041	0.0042	0.0043	0.0042	0.0042			
	A36	3686	0.0000	0.0012	0.0018	0.0022	0.0024	0.0029	0.0032	0.0033	0.0035	0.0035	0.0036			
	A69	3573	0.0000	0.0013	0.0020	0.0024	0.0027	0.0032	0.0032	0.0034	0.0036	0.0037	0.0036			
	B2	3694	0.0000	0.0014	0.0022	0.0025	0.0028	0.0030	0.0032	0.0035	0.0035	0.0038	0.0036			
	B3	3472	0.0000	0.0015	0.0023	0.0026	0.0028	0.0033	0.0034	0.0035	0.0037	0.0039	0.0039			
	B4	3510	0.0000	0.0014	0.0020	0.0023	0.0027	0.0031	0.0033	0.0034	0.0036	0.0039	0.0040			
	B5	3321	0.0000	0.0017	0.0023	0.0027	0.0030	0.0035	0.0038	0.0040	0.0042	0.0043	0.0045			
	B6	3475	0.0000	0.0015	0.0023	0.0028	0.0031	0.0035	0.0038	0.0039	0.0039	0.0040	0.0041			
	B7	3421	0.0000	0.0015	0.0023	0.0028	0.0032	0.0036	0.0037	0.0038	0.0038	0.0040	0.0040			
	B8	3375	0.0000	0.0015	0.0023	0.0028	0.0031	0.0035	0.0037	0.0038	0.0038	0.0039	0.0040			
	B10	3413	0.0000	0.0016	0.0023	0.0029	0.0032	0.0035	0.0038	0.0040	0.0041	0.0042	0.0043			
	B13	3408	0.0000	0.0015	0.0023	0.0027	0.0030	0.0034	0.0038	0.0039	0.0041	0.0043	0.0044			
	B14	3427	0.0000	0.0015	0.0023	0.0027	0.0030	0.0034	0.0038	0.0040	0.0041	0.0043	0.0045			
	B19	3373	0.0000	0.0015	0.0022	0.0027	0.0029	0.0032	0.0035	0.0039	0.0039	0.0040	0.0041			
	B20	3409	0.0000	0.0015	0.0022	0.0026	0.0030	0.0033	0.0037	0.0038	0.0039	0.0039	0.0039			
	B23	3434	0.0000	0.0014	0.0021	0.0026	0.0028	0.0033	0.0035	0.0037	0.0038	0.0040	0.0041			
	B24	3545	0.0000	0.0014	0.0021	0.0026	0.0028	0.0034	0.0037	0.0040	0.0040	0.0042	0.0043			
	B25	3593	0.0000	0.0015	0.0021	0.0026	0.0028	0.0034	0.0038	0.0040	0.0041	0.0044	0.0045			
	B26	3692	0.0000	0.0015	0.0022	0.0026	0.0028	0.0035	0.0038	0.0040	0.0040	0.0042	0.0044			
	ave	**3518**	**0.0000**	**0.0016**	**0.0023**	**0.0027**	**0.0030**	**0.0034**	**0.0036**	**0.0037**	**0.0037**	**0.0038**	**0.0039**			
DATA SET 28: CCT = 4000K, T_J = 130C	A10	4090	0.0000	0.0014	0.0020	0.0024	0.0026	0.0029	0.0032	0.0039	0.0045	0.0048	0.0048			
	A11	3858	0.0000	0.0013	0.0019	0.0023	0.0025	0.0028	0.0031	0.0032	0.0035	0.0036	0.0037			
	A16	3990	0.0000	0.0013	0.0020	0.0024	0.0027	0.0032	0.0034	0.0035	0.0037	0.0041	0.0043			
	A20	4198	0.0000	0.0014	0.0020	0.0024	0.0025	0.0032	0.0037	0.0044	0.0044	0.0052	0.0052			
	A21	3905	0.0000	0.0014	0.0020	0.0024	0.0026	0.0030	0.0031	0.0034	0.0035	0.0037	0.0037			
	A26	4051	0.0000	0.0013	0.0020	0.0024	0.0026	0.0032	0.0035	0.0037	0.0040	0.0043	0.0046			
	A27	3984	0.0000	0.0013	0.0020	0.0023	0.0025	0.0031	0.0034	0.0036	0.0038	0.0040	0.0042			
	A28	4077	0.0000	0.0013	0.0021	0.0025	0.0029	0.0034	0.0035	0.0038	0.0042	0.0045	0.0047			
	A29	4112	0.0000	0.0013	0.0019	0.0024	0.0027	0.0032	0.0034	0.0037	0.0040	0.0043	0.0044			
	A38	3877	0.0000	0.0013	0.0019	0.0023	0.0025	0.0030	0.0031	0.0033	0.0034	0.0036	0.0037			
	A39	3877	0.0000	0.0013	0.0019	0.0023	0.0026	0.0030	0.0032	0.0034	0.0036	0.0037	0.0036			
	A40	4013	0.0000	0.0013	0.0020	0.0023	0.0025	0.0030	0.0033	0.0036	0.0037	0.0039	0.0038			
	A41	3897	0.0000	0.0013	0.0019	0.0024	0.0026	0.0029	0.0031	0.0032	0.0034	0.0037	0.0037			
	A46	4061	0.0000	0.0013	0.0020	0.0024	0.0027	0.0033	0.0035	0.0039	0.0043	0.0045	0.0045			
	A47	4086	0.0000	0.0013	0.0019	0.0024	0.0027	0.0030	0.0033	0.0035	0.0036	0.0039	0.0037			
	A48	4028	0.0000	0.0012	0.0019	0.0023	0.0025	0.0030	0.0032	0.0034	0.0035	0.0036	0.0039			
	A49	3903	0.0000	0.0013	0.0021	0.0025	0.0027	0.0032	0.0034	0.0036	0.0039	0.0042	0.0041			
	A50	4029	0.0000	0.0014	0.0021	0.0025	0.0026	0.0031	0.0034	0.0036	0.0038	0.0041	0.0040			
	A56	4022	0.0000	0.0012	0.0018	0.0022	0.0027	0.0030	0.0033	0.0035	0.0037	0.0041	0.0040			
	A57	3931	0.0000	0.0013	0.0019	0.0024	0.0026	0.0032	0.0033	0.0035	0.0036	0.0039	0.0038			
	A58	4030	0.0000	0.0011	0.0017	0.0021	0.0025	0.0028	0.0031	0.0033	0.0034	0.0035	0.0037			
	A59	3937	0.0000	0.0012	0.0019	0.0023	0.0026	0.0031	0.0034	0.0036	0.0040	0.0042	0.0042			
	A66	4038	0.0000	0.0012	0.0019	0.0025	0.0026	0.0030	0.0031	0.0033	0.0034	0.0036	0.0036			
	A70	4036	0.0000	0.0014	0.0021	0.0025	0.0026	0.0030	0.0033	0.0037	0.0040	0.0042	0.0041			
	A71	3992	0.0000	0.0013	0.0020	0.0024	0.0025	0.0028	0.0030	0.0034	0.0037	0.0041	0.0040			
	ave	**4001**	**0.0000**	**0.0013**	**0.0020**	**0.0024**	**0.0026**	**0.0031**	**0.0033**	**0.0036**	**0.0038**	**0.0041**	**0.0041**			

$T_S = T_{AIR} = 105°C$, $I_F = 0.7A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

		CCT	Forward voltage												
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 22: CCT = 3500K, T_J = 130C	A1	3631	3.158	3.158	3.142	3.140	3.163	3.292	3.420	3.423	3.457	3.492	3.502			
	A6	3528	3.282	3.292	3.251	3.242	3.259	3.294	3.419	3.435	3.451	3.432	3.418			
	A7	3649	3.271	3.269	3.232	3.221	3.247	3.278	3.395	3.414	3.430	3.405	3.389			
	A8	3695	3.435	3.341	3.297	3.304	3.327	3.337	3.423	3.435	3.459	3.448	3.444			
	A9	3646	3.160	3.151	3.127	3.125	3.182	3.229	3.315	3.343	3.378	3.391	3.396			
	A18	3626	3.031	3.025	3.018	3.031	3.104	3.188	3.225	3.215	3.230	3.248	3.247			
	A31	3348	3.221	3.221	3.208	3.211	3.247	3.422	3.501	3.495	3.520	3.550	3.558			
	A36	3686	3.049	3.042	3.040	3.043	3.064	3.132	3.208	3.207	3.216	3.242	3.246			
	A69	3573	3.024	3.017	3.008	3.026	3.116	3.217	3.257	3.240	3.268	3.270	3.269			
	B2	3694	3.141	3.129	3.120	3.145	3.251	3.322	3.362	3.346	3.380	3.376	3.372			
	B3	3472	3.071	3.062	3.056	3.063	3.098	3.259	3.313	3.300	3.328	3.326	3.324			
	B4	3510	3.092	3.081	3.077	3.080	3.116	3.284	3.351	3.339	3.367	3.366	3.363			
	B5	3321	3.082	3.072	3.070	3.070	3.083	3.132	3.204	3.221	3.246	3.253	3.255			
	B6	3475	3.090	3.080	3.077	3.081	3.107	3.251	3.355	3.348	3.380	3.381	3.380			
	B7	3421	3.074	3.058	3.055	3.056	3.083	3.236	3.328	3.318	3.357	3.358	3.357			
	B8	3375	3.065	3.056	3.052	3.052	3.073	3.204	3.323	3.319	3.355	3.361	3.365			
	B10	3413	3.080	3.074	3.069	3.067	3.075	3.107	3.164	3.214	3.240	3.248	3.252			
	B13	3408	3.089	3.083	3.076	3.080	3.094	3.165	3.283	3.286	3.305	3.312	3.314			
	B14	3427	3.102	3.092	3.088	3.089	3.104	3.176	3.302	3.305	3.327	3.335	3.333			
	B19	3373	3.083	3.075	3.074	3.069	3.075	3.109	3.175	3.216	3.237	3.249	3.252			
	B20	3409	3.095	3.084	3.082	3.081	3.094	3.175	3.342	3.352	3.378	3.386	3.389			
	B23	3434	3.102	3.096	3.087	3.091	3.121	3.300	3.382	3.366	3.378	3.394	3.391			
	B24	3545	3.124	3.114	3.109	3.110	3.134	3.320	3.414	3.394	3.410	3.422	3.418			
	B25	3593	3.105	3.098	3.091	3.095	3.120	3.292	3.384	3.375	3.393	3.408	3.406			
	B26	3692	3.101	3.090	3.088	3.089	3.110	3.252	3.379	3.367	3.388	3.402	3.401			
	ave	**3518**	**3.125**													
DATA SET 28: CCT = 4000K, T_J = 130C	A10	4090	3.182	3.171	3.155	3.164	3.235	3.316	3.391	3.385	3.405	3.413	3.412			
	A11	3858	3.157	3.155	3.136	3.135	3.146	3.192	3.268	3.269	3.288	3.306	3.309			
	A16	3990	3.090	3.083	3.077	3.083	3.134	3.271	3.335	3.318	3.340	3.358	3.358			
	A20	4198	3.192	3.179	3.162	3.170	3.243	3.351	3.401	3.385	3.405	3.424	3.422			
	A21	3905	3.209	3.208	3.187	3.183	3.192	3.239	3.363	3.391	3.406	3.435	3.441			
	A26	4051	3.081	3.074	3.066	3.073	3.118	3.247	3.315	3.302	3.316	3.343	3.346			
	A27	3984	3.060	3.054	3.048	3.053	3.090	3.183	3.246	3.241	3.255	3.278	3.281			
	A28	4077	3.071	3.066	3.057	3.108	3.262	3.271	3.313	3.294	3.311	3.328	3.323			
	A29	4112	3.047	3.038	3.029	3.052	3.207	3.224	3.267	3.246	3.262	3.282	3.282			
	A38	3877	3.047	3.040	3.029	3.035	3.075	3.207	3.250	3.237	3.247	3.270	3.271			
	A39	3877	3.060	3.052	3.053	3.065	3.183	3.234	3.282	3.270	3.285	3.309	3.308			
	A40	4013	3.153	3.143	3.125	3.128	3.183	3.326	3.377	3.362	3.376	3.402	3.403			
	A41	3897	3.272	3.273	3.250	3.244	3.249	3.275	3.335	3.347	3.361	3.383	3.388			
	A46	4061	3.034	3.026	3.018	3.028	3.111	3.209	3.252	3.235	3.250	3.266	3.267			
	A47	4086	3.068	3.059	3.056	3.074	3.235	3.264	3.310	3.296	3.313	3.329	3.327			
	A48	4028	3.039	3.035	3.022	3.030	3.071	3.179	3.221	3.217	3.224	3.249	3.248			
	A49	3903	3.093	3.085	3.078	3.087	3.143	3.303	3.359	3.345	3.357	3.384	3.380			
	A50	4029	3.185	3.173	3.161	3.212	3.353	3.377	3.413	3.390	3.400	3.412	3.404			
	A56	4022	3.035	3.029	3.024	3.032	3.090	3.234	3.280	3.266	3.283	3.295	3.294			
	A57	3931	3.050	3.043	3.036	3.046	3.095	3.220	3.263	3.251	3.268	3.282	3.282			
	A58	4030	3.035	3.032	3.030	3.054	3.207	3.241	3.291	3.272	3.294	3.307	3.305			
	A59	3937	3.071	3.065	3.058	3.068	3.110	3.251	3.307	3.295	3.313	3.330	3.333			
	A66	4038	3.043	3.040	3.034	3.035	3.062	3.152	3.214	3.210	3.231	3.238	3.239			
	A70	4036	3.130	3.116	3.105	3.158	3.302	3.329	3.366	3.341	3.367	3.362	3.357			
	A71	3992	3.212	3.211	3.190	3.186	3.193	3.226	3.278	3.289	3.309	3.318	3.322			
	ave	**4001**	**3.105**													

$T_S = T_{AIR} = 120°C$, $I_F = 0.7A$

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000 % at 6khours
DATA SET 34: CCT > 5000K, T_J = 147C	B3	5742	69.004	68.095	70.442	71.289	72.020	71.237	70.638	70.028	70.029	69.561	68.148	66.210	64.494	**100.8**
	B4	5709	68.686	67.571	69.989	70.352	70.793	69.828	69.150	68.615	68.606	67.679	66.234	63.269	61.248	**98.5**
	B5	6084	67.328	66.735	68.030	68.018	68.743	67.979	67.490	67.122	66.999	66.519	65.239	64.962	63.397	**98.8**
	B7	6398	62.723	62.684	63.726	63.321	63.389	61.013	60.133	60.264	59.858	58.529	57.677	56.977	54.608	**93.3**
	B8	6271	65.366	65.421	67.002	66.950	67.358	64.298	63.618	63.099	62.702	63.070	58.428	62.160	58.033	**96.5**
	B9	6479	66.939	67.547	69.168	68.991	68.627	66.590	65.563	63.845	65.910	65.805	61.354	61.100	58.752	**98.3**
	B10	6354	70.351	70.882	72.049	71.514	71.671	69.898	69.154	68.890	68.862	69.273	68.339	67.604	65.164	**98.5**
	B22	5934	83.746	82.511	83.978	83.795	83.957	83.126	83.056	82.815	82.754	82.611	82.001	82.102	81.269	**98.6**
	B26	5635	56.752	54.604	56.329	56.419	56.645	55.876	55.233	54.686	54.407	53.861	52.489	52.007	50.312	**94.9**
	B27	6048	63.268	62.031	62.975	62.913	62.995	61.765	61.056	60.505	60.245	59.645	58.389	57.936	56.094	**94.3**
	B28	5695	63.763	62.642	64.132	64.640	64.877	63.660	62.962	62.433	62.190	61.429	60.090	59.235	57.180	**96.3**
	B29	6035	65.103	64.189	65.282	65.351	65.306	63.713	63.151	62.560	62.203	61.416	59.654	58.487	56.138	**94.3**
	B30	5572	66.275	65.154	66.460	66.637	66.953	65.790	65.082	64.913	64.609	64.173	62.936	61.987	60.776	**96.8**
	B37	5943	82.658	83.443	84.930	85.040	85.587	84.642	84.409	84.441	84.518	84.373	83.723	83.787	82.972	**102.1**
	B38	5780	84.505	84.370	85.695	85.317	85.806	84.639	84.230	84.733	84.718	84.681	83.881	83.977	80.435	**100.2**
	B39	5636	85.640	85.414	86.418	86.193	86.739	85.333	84.973	85.122	85.141	85.021	84.183	83.581	79.956	**99.3**
	A44	5888	86.118	83.374	83.672	82.970	83.061	81.865	81.815	82.151	80.447	81.760	81.414	81.282	80.615	**94.9**
	A45	6086	85.266	82.850	83.389	82.885	83.235	81.963	81.929	82.480	82.317	82.201	81.906	81.801	81.163	**96.4**
	A54	6411	83.124	83.511	84.629	83.933	84.362	83.183	83.119	83.458	81.390	82.692	82.661	82.696	82.221	**99.5**
	A61	5682	58.911	56.862	57.681	58.146	58.958	58.076	57.658	57.496	56.455	56.968	56.305	55.954	55.067	**96.7**
	A63	6117	58.731	56.878	58.021	57.964	58.490	57.283	56.379	55.667	54.325	54.590	52.801	51.722	49.745	**92.9**
	A68	6457	82.254	81.434	82.831	81.699	80.900	79.191	79.235	79.959	78.242	78.537	77.634	76.245	77.706	**95.5**
	A70	6229	79.891	80.910	84.252	84.086	83.933	81.228	81.082	81.165	80.800	81.234	80.454	80.607	80.097	**101.7**
	A76	5703	82.711	82.846	85.562	85.648	84.837	82.597	82.807	83.638	81.989	82.419	82.379	82.499	80.616	**99.6**
	A77	5673	88.832	87.076	88.418	87.302	85.750	84.698	84.834	85.611	83.816	84.351	84.248	82.792	82.227	**95.0**
	ave	**5982**														**97.4**

$T_S = T_{AIR} = 120°C$, $I_F = 0.7A$
$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

Normalized flux

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 34: CCT > 5000K, T_J = 147C	B3	5742	1.0000	0.9868	1.0208	1.0331	1.0437	1.0324	1.0237	1.0148	1.0149	1.0081	0.9876	0.9595	0.9346	
	B4	5709	1.0000	0.9838	1.0190	1.0243	1.0307	1.0166	1.0068	0.9990	0.9988	0.9853	0.9643	0.9211	0.8917	
	B5	6084	1.0000	0.9912	1.0104	1.0103	1.0210	1.0097	1.0024	0.9969	0.9951	0.9880	0.9690	0.9649	0.9416	
	B7	6398	1.0000	0.9994	1.0160	1.0095	1.0106	0.9727	0.9587	0.9608	0.9543	0.9331	0.9195	0.9084	0.8706	
	B8	6271	1.0000	1.0008	1.0250	1.0242	1.0305	0.9837	0.9733	0.9653	0.9593	0.9649	0.8939	0.9510	0.8878	
	B9	6479	1.0000	1.0091	1.0333	1.0307	1.0252	0.9948	0.9794	0.9538	0.9846	0.9831	0.9166	0.9128	0.8777	
	B10	6354	1.0000	1.0075	1.0241	1.0165	1.0188	0.9936	0.9830	0.9792	0.9788	0.9847	0.9714	0.9609	0.9263	
	B22	5934	1.0000	0.9853	1.0028	1.0006	1.0025	0.9926	0.9918	0.9889	0.9882	0.9864	0.9792	0.9804	0.9704	
	B26	5635	1.0000	0.9622	0.9926	0.9941	0.9981	0.9846	0.9732	0.9636	0.9587	0.9491	0.9249	0.9164	0.8865	
	B27	6048	1.0000	0.9804	0.9954	0.9944	0.9957	0.9762	0.9650	0.9563	0.9522	0.9427	0.9229	0.9157	0.8866	
	B28	5695	1.0000	0.9824	1.0058	1.0138	1.0175	0.9984	0.9874	0.9791	0.9753	0.9634	0.9424	0.9290	0.8968	
	B29	6035	1.0000	0.9860	1.0027	1.0038	1.0031	0.9786	0.9700	0.9609	0.9555	0.9434	0.9163	0.8984	0.8623	
	B30	5572	1.0000	0.9831	1.0028	1.0055	1.0102	0.9927	0.9820	0.9794	0.9749	0.9683	0.9496	0.9353	0.9170	
	B37	5943	1.0000	1.0095	1.0275	1.0288	1.0354	1.0240	1.0212	1.0216	1.0225	1.0208	1.0129	1.0137	1.0038	
	B38	5780	1.0000	0.9984	1.0141	1.0096	1.0154	1.0016	0.9967	1.0027	1.0025	1.0021	0.9926	0.9938	0.9518	
	B39	5636	1.0000	0.9974	1.0091	1.0065	1.0128	0.9964	0.9922	0.9940	0.9942	0.9928	0.9830	0.9760	0.9336	
	A44	5888	1.0000	0.9681	0.9716	0.9634	0.9645	0.9506	0.9500	0.9539	0.9341	0.9494	0.9454	0.9439	0.9361	
	A45	6086	1.0000	0.9717	0.9780	0.9721	0.9762	0.9613	0.9609	0.9673	0.9654	0.9640	0.9606	0.9594	0.9519	
	A54	6411	1.0000	1.0047	1.0181	1.0097	1.0149	1.0007	0.9999	1.0040	0.9791	0.9948	0.9944	0.9949	0.9891	
	A61	5682	1.0000	0.9652	0.9791	0.9870	1.0008	0.9858	0.9787	0.9760	0.9583	0.9670	0.9558	0.9498	0.9348	
	A63	6117	1.0000	0.9685	0.9879	0.9869	0.9959	0.9753	0.9599	0.9478	0.9250	0.9295	0.8990	0.8807	0.8470	
	A68	6457	1.0000	0.9900	1.0070	0.9933	0.9835	0.9628	0.9633	0.9721	0.9512	0.9548	0.9438	0.9270	0.9447	
	A70	6229	1.0000	1.0128	1.0546	1.0525	1.0506	1.0167	1.0149	1.0160	1.0114	1.0168	1.0071	1.0090	1.0026	
	A76	5703	1.0000	1.0016	1.0345	1.0355	1.0257	0.9986	1.0012	1.0112	0.9913	0.9965	0.9960	0.9974	0.9747	
	A77	5673	1.0000	0.9802	0.9953	0.9828	0.9653	0.9535	0.9550	0.9637	0.9435	0.9496	0.9484	0.9320	0.9256	
	ave	**5982**	**1.0000**	**0.9890**	**1.0091**	**1.0076**	**1.0099**	**0.9902**	**0.9836**	**0.9811**	**0.9748**	**0.9735**	**0.9559**	**0.9492**	**0.9258**	

$T_S = T_{AIR} = 120°C$, $I_F = 0.7A$

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 34: CCT > 5000K, T_J = 147C	B3	5742	1.7154E-05	1.1024	0.894	26,477
	B4	5709	2.3785E-05	1.1195	0.900	19,743
	B5	6084	1.1357E-05	1.0505	0.923	35,741
	B7	6398	1.8728E-05	1.0436	0.941	21,323
	B8	6271	1.4884E-05	1.0315	0.507	26,050
	B9	6479	2.0373E-05	1.0700	0.690	20,827
	B10	6354	9.9110E-06	1.0310	0.675	39,069
	B22	5934	3.5816E-06	1.0054	0.864	101,075
	B26	5635	1.6514E-05	1.0385	0.939	23,886
	B27	6048	1.4770E-05	1.0227	0.932	25,670
	B28	5695	1.7359E-05	1.0604	0.935	23,924
	B29	6035	2.1584E-05	1.0610	0.937	19,269
	B30	5572	1.3513E-05	1.0414	0.952	29,396
	B37	5943	3.4721E-06	1.0390	0.834	113,754
	B38	5780	8.4611E-06	1.0468	0.617	47,557
	B39	5636	1.0812E-05	1.0499	0.696	37,495
	A44	5888	1.9319E-06	0.9557	0.201	161,173
	A45	6086	2.9422E-06	0.9800	0.907	114,356
	A54	6411	7.7928E-07	0.9977	0.031	454,794
	A61	5682	7.2639E-06	1.0031	0.834	49,531
	A63	6117	2.1229E-05	1.0380	0.928	18,557
	A68	6457	6.6301E-06	0.9906	0.628	52,376
	A70	6229	2.3724E-06	1.0262	0.682	161,223
	A76	5703	4.7411E-06	1.0256	0.555	80,556
	A77	5673	6.8491E-06	0.9867	0.795	50,120
	ave	**5982**	**1.1088E-05**	**1.0316**	**0.911**	**34,975**

$T_S = T_{AIR} = 120°C$, $I_F = 0.7A$

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

u'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 34: CCT > 5000K, T_J = 147C	B3	5742	0.2054	0.2054	0.2055	0.2055	0.2056	0.2056	0.2056	0.2057	0.2056	0.2056	0.2057	0.2058	0.2058	
	B4	5709	0.2055	0.2053	0.2054	0.2054	0.2055	0.2055	0.2055	0.2055	0.2055	0.2054	0.2055	0.2057	0.2058	
	B5	6084	0.2055	0.2052	0.2052	0.2053	0.2054	0.2054	0.2054	0.2054	0.2053	0.2053	0.2054	0.2053	0.2053	
	B7	6398	0.2089	0.2089	0.2090	0.2090	0.2091	0.2092	0.2093	0.2093	0.2092	0.2092	0.2093	0.2093	0.2094	
	B8	6271	0.2081	0.2081	0.2082	0.2082	0.2083	0.2083	0.2084	0.2084	0.2083	0.2083	0.2084	0.2085	0.2085	
	B9	6479	0.2076	0.2075	0.2076	0.2076	0.2077	0.2077	0.2077	0.2077	0.2077	0.2077	0.2077	0.2077	0.2077	
	B10	6354	0.2072	0.2071	0.2072	0.2071	0.2073	0.2073	0.2073	0.2074	0.2073	0.2073	0.2074	0.2073	0.2073	
	B22	5934	0.2082	0.2084	0.2084	0.2084	0.2085	0.2086	0.2086	0.2086	0.2086	0.2085	0.2086	0.2086	0.2086	
	B26	5635	0.2061	0.2055	0.2056	0.2056	0.2057	0.2058	0.2058	0.2058	0.2057	0.2057	0.2058	0.2057	0.2057	
	B27	6048	0.2055	0.2051	0.2050	0.2050	0.2051	0.2052	0.2051	0.2052	0.2050	0.2050	0.2051	0.2050	0.2051	
	B28	5695	0.2056	0.2052	0.2052	0.2052	0.2053	0.2053	0.2053	0.2053	0.2052	0.2052	0.2053	0.2052	0.2052	
	B29	6035	0.2054	0.2051	0.2051	0.2051	0.2052	0.2052	0.2052	0.2052	0.2051	0.2050	0.2051	0.2050	0.2050	
	B30	5572	0.2058	0.2054	0.2054	0.2054	0.2055	0.2055	0.2055	0.2055	0.2054	0.2053	0.2055	0.2053	0.2054	
	B37	5943	0.2077	0.2078	0.2079	0.2079	0.2080	0.2080	0.2080	0.2081	0.2080	0.2080	0.2081	0.2080	0.2081	
	B38	5780	0.2078	0.2079	0.2080	0.2079	0.2080	0.2080	0.2080	0.2081	0.2080	0.2080	0.2081	0.2080	0.2081	
	B39	5636	0.2077	0.2079	0.2079	0.2079	0.2079	0.2080	0.2080	0.2081	0.2080	0.2080	0.2081	0.2080	0.2081	
	A44	5888	0.2082	0.2084	0.2084	0.2084	0.2085	0.2085	0.2085	0.2086	0.2085	0.2085	0.2085	0.2085	0.2085	
	A45	6086	0.2081	0.2083	0.2084	0.2084	0.2084	0.2084	0.2085	0.2085	0.2084	0.2084	0.2085	0.2084	0.2084	
	A54	6411	0.2077	0.2079	0.2079	0.2079	0.2079	0.2080	0.2080	0.2080	0.2080	0.2080	0.2081	0.2080	0.2080	
	A61	5682	0.2056	0.2051	0.2052	0.2051	0.2053	0.2052	0.2053	0.2053	0.2052	0.2052	0.2053	0.2052	0.2053	
	A63	6117	0.2055	0.2051	0.2051	0.2051	0.2052	0.2052	0.2053	0.2052	0.2051	0.2051	0.2052	0.2051	0.2051	
	A68	6457	0.2070	0.2071	0.2072	0.2071	0.2072	0.2073	0.2073	0.2073	0.2072	0.2072	0.2074	0.2073	0.2074	
	A70	6229	0.2074	0.2074	0.2074	0.2074	0.2075	0.2076	0.2076	0.2076	0.2075	0.2075	0.2076	0.2076	0.2076	
	A76	5703	0.2081	0.2082	0.2082	0.2082	0.2083	0.2083	0.2084	0.2085	0.2083	0.2084	0.2084	0.2084	0.2085	
	A77	5673	0.2084	0.2084	0.2085	0.2085	0.2086	0.2086	0.2086	0.2087	0.2086	0.2086	0.2086	0.2087	0.2087	
	ave	**5982**														

$T_S = T_{AIR} = 120°C$, $I_F = 0.7A$

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 34: CCT > 5000K, T_J = 147C	B3	5742	0.4739	0.4726	0.4739	0.4746	0.4746	0.4745	0.4756	0.4757	0.4750	0.4750	0.4767	0.4774	0.4796	
	B4	5709	0.4745	0.4727	0.4737	0.4744	0.4746	0.4743	0.4753	0.4751	0.4745	0.4745	0.4764	0.4773	0.4794	
	B5	6084	0.4670	0.4652	0.4663	0.4674	0.4682	0.4681	0.4688	0.4687	0.4681	0.4681	0.4697	0.4696	0.4716	
	B7	6398	0.4579	0.4574	0.4580	0.4581	0.4574	0.4559	0.4570	0.4572	0.4567	0.4568	0.4581	0.4593	0.4618	
	B8	6271	0.4608	0.4604	0.4612	0.4618	0.4615	0.4605	0.4610	0.4612	0.4606	0.4608	0.4637	0.4630	0.4657	
	B9	6479	0.4582	0.4578	0.4587	0.4593	0.4591	0.4579	0.4581	0.4587	0.4577	0.4576	0.4598	0.4599	0.4620	
	B10	6354	0.4605	0.4602	0.4607	0.4612	0.4609	0.4605	0.4613	0.4600	0.4595	0.4596	0.4608	0.4612	0.4634	
	B22	5934	0.4665	0.4652	0.4665	0.4666	0.4662	0.4664	0.4683	0.4683	0.4672	0.4673	0.4695	0.4697	0.4720	
	B26	5635	0.4754	0.4737	0.4737	0.4743	0.4745	0.4746	0.4763	0.4763	0.4753	0.4752	0.4773	0.4773	0.4797	
	B27	6048	0.4677	0.4656	0.4661	0.4664	0.4664	0.4660	0.4674	0.4675	0.4666	0.4666	0.4687	0.4690	0.4717	
	B28	5695	0.4747	0.4731	0.4732	0.4735	0.4736	0.4734	0.4745	0.4743	0.4734	0.4733	0.4754	0.4755	0.4780	
	B29	6035	0.4680	0.4660	0.4668	0.4665	0.4665	0.4659	0.4674	0.4676	0.4667	0.4669	0.4692	0.4697	0.4720	
	B30	5572	0.4773	0.4756	0.4761	0.4763	0.4761	0.4755	0.4763	0.4761	0.4753	0.4751	0.4769	0.4771	0.4790	
	B37	5943	0.4670	0.4658	0.4668	0.4674	0.4675	0.4674	0.4690	0.4690	0.4679	0.4677	0.4699	0.4705	0.4727	
	B38	5780	0.4701	0.4686	0.4697	0.4699	0.4700	0.4698	0.4716	0.4717	0.4707	0.4706	0.4729	0.4736	0.4759	
	B39	5636	0.4733	0.4719	0.4725	0.4727	0.4727	0.4724	0.4741	0.4743	0.4734	0.4732	0.4755	0.4761	0.4781	
	A44	5888	0.4675	0.4661	0.4671	0.4678	0.4675	0.4674	0.4692	0.4689	0.4680	0.4683	0.4704	0.4705	0.4733	
	A45	6086	0.4639	0.4625	0.4637	0.4640	0.4640	0.4639	0.4653	0.4649	0.4642	0.4644	0.4661	0.4659	0.4688	
	A54	6411	0.4590	0.4578	0.4586	0.4588	0.4589	0.4583	0.4597	0.4596	0.4586	0.4588	0.4613	0.4614	0.4636	
	A61	5682	0.4750	0.4732	0.4733	0.4735	0.4737	0.4736	0.4744	0.4740	0.4734	0.4735	0.4749	0.4747	0.4763	
	A63	6117	0.4663	0.4643	0.4646	0.4651	0.4651	0.4655	0.4670	0.4670	0.4659	0.4658	0.4682	0.4682	0.4704	
	A68	6457	0.4591	0.4578	0.4595	0.4595	0.4591	0.4596	0.4618	0.4617	0.4606	0.4616	0.4644	0.4651	0.4673	
	A70	6229	0.4623	0.4615	0.4628	0.4633	0.4621	0.4615	0.4634	0.4635	0.4623	0.4625	0.4654	0.4659	0.4687	
	A76	5703	0.4713	0.4697	0.4705	0.4710	0.4704	0.4711	0.4726	0.4718	0.4709	0.4714	0.4732	0.4732	0.4759	
	A77	5673	0.4717	0.4704	0.4717	0.4721	0.4715	0.4716	0.4736	0.4733	0.4723	0.4728	0.4754	0.4763	0.4787	
	ave	**5982**														

$T_S = T_{AIR} = 120°C$, $I_F = 0.7A$

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 34: CCT > 5000K, T_J = 147C	B3	5742	0.0000	0.0013	0.0001	0.0007	0.0007	0.0006	0.0017	0.0018	0.0011	0.0011	0.0028	0.0035	0.0057	
	B4	5709	0.0000	0.0018	0.0008	0.0001	0.0001	0.0002	0.0008	0.0006	0.0000	0.0001	0.0019	0.0028	0.0049	
	B5	6084	0.0000	0.0018	0.0008	0.0004	0.0012	0.0011	0.0018	0.0017	0.0011	0.0011	0.0027	0.0026	0.0046	
	B7	6398	0.0000	0.0005	0.0001	0.0002	0.0005	0.0020	0.0010	0.0008	0.0012	0.0011	0.0004	0.0015	0.0039	
	B8	6271	0.0000	0.0004	0.0004	0.0010	0.0007	0.0004	0.0004	0.0005	0.0003	0.0002	0.0029	0.0022	0.0049	
	B9	6479	0.0000	0.0004	0.0005	0.0011	0.0009	0.0003	0.0001	0.0005	0.0005	0.0006	0.0016	0.0017	0.0038	
	B10	6354	0.0000	0.0003	0.0002	0.0007	0.0004	0.0001	0.0008	0.0005	0.0010	0.0009	0.0004	0.0007	0.0029	
	B22	5934	0.0000	0.0013	0.0002	0.0002	0.0004	0.0004	0.0018	0.0018	0.0008	0.0009	0.0030	0.0032	0.0055	
	B26	5635	0.0000	0.0018	0.0018	0.0012	0.0010	0.0009	0.0009	0.0009	0.0004	0.0004	0.0019	0.0019	0.0043	
	B27	6048	0.0000	0.0021	0.0017	0.0014	0.0014	0.0017	0.0005	0.0004	0.0012	0.0012	0.0011	0.0014	0.0040	
	B28	5695	0.0000	0.0016	0.0016	0.0013	0.0011	0.0013	0.0004	0.0005	0.0014	0.0015	0.0008	0.0009	0.0033	
	B29	6035	0.0000	0.0020	0.0012	0.0015	0.0015	0.0021	0.0006	0.0004	0.0013	0.0012	0.0012	0.0017	0.0040	
	B30	5572	0.0000	0.0017	0.0013	0.0011	0.0012	0.0018	0.0010	0.0012	0.0020	0.0023	0.0005	0.0005	0.0017	
	B37	5943	0.0000	0.0012	0.0003	0.0004	0.0006	0.0005	0.0020	0.0020	0.0009	0.0008	0.0029	0.0035	0.0057	
	B38	5780	0.0000	0.0015	0.0004	0.0002	0.0002	0.0004	0.0015	0.0016	0.0006	0.0005	0.0028	0.0035	0.0058	
	B39	5636	0.0000	0.0014	0.0008	0.0006	0.0006	0.0009	0.0009	0.0011	0.0003	0.0003	0.0022	0.0028	0.0048	
	A44	5888	0.0000	0.0014	0.0004	0.0004	0.0003	0.0003	0.0017	0.0015	0.0006	0.0009	0.0029	0.0030	0.0058	
	A45	6086	0.0000	0.0014	0.0004	0.0003	0.0003	0.0003	0.0015	0.0011	0.0004	0.0006	0.0022	0.0020	0.0049	
	A54	6411	0.0000	0.0012	0.0004	0.0003	0.0002	0.0008	0.0008	0.0007	0.0005	0.0004	0.0023	0.0024	0.0046	
	A61	5682	0.0000	0.0019	0.0017	0.0016	0.0013	0.0015	0.0007	0.0010	0.0016	0.0016	0.0003	0.0005	0.0013	
	A63	6117	0.0000	0.0020	0.0017	0.0013	0.0012	0.0009	0.0007	0.0008	0.0006	0.0006	0.0019	0.0019	0.0041	
	A68	6457	0.0000	0.0013	0.0004	0.0004	0.0002	0.0006	0.0027	0.0026	0.0015	0.0025	0.0053	0.0060	0.0082	
	A70	6229	0.0000	0.0008	0.0005	0.0010	0.0002	0.0008	0.0011	0.0012	0.0001	0.0002	0.0031	0.0036	0.0064	
	A76	5703	0.0000	0.0016	0.0008	0.0003	0.0009	0.0003	0.0013	0.0006	0.0004	0.0003	0.0019	0.0019	0.0046	
	A77	5673	0.0000	0.0013	0.0001	0.0004	0.0003	0.0002	0.0019	0.0016	0.0006	0.0011	0.0037	0.0046	0.0070	
	ave	**5982**	**0.0000**	**0.0014**	**0.0008**	**0.0007**	**0.0007**	**0.0008**	**0.0011**	**0.0011**	**0.0008**	**0.0009**	**0.0021**	**0.0024**	**0.0047**	

$T_S = T_{AIR} = 120°C$, $I_F = 0.7A$

$T_S \geq 118C$, $T_{AIR} \geq 115C$ in compliance with LM-80-08

			Forward voltage													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 34: CCT > 5000K, T_J = 147C	B3	5742	3.657	3.569	3.521	3.507	3.525	3.549	3.556	3.526	3.530	3.562	3.580	3.580	3.592	
	B4	5709	3.655	3.585	3.540	3.526	3.543	3.569	3.574	3.551	3.556	3.580	3.602	3.597	3.610	
	B5	6084	3.654	3.588	3.546	3.529	3.542	3.566	3.569	3.556	3.556	3.581	3.598	3.591	3.599	
	B7	6398	3.418	3.402	3.413	3.432	3.468	3.502	3.505	3.478	3.479	3.491	3.518	3.521	3.529	
	B8	6271	3.410	3.390	3.399	3.420	3.457	3.495	3.497	3.475	3.479	3.487	3.502	3.518	3.531	
	B9	6479	3.402	3.387	3.392	3.410	3.445	3.490	3.492	3.471	3.482	3.486	3.500	3.505	3.510	
	B10	6354	3.402	3.380	3.387	3.398	3.428	3.475	3.484	3.472	3.473	3.480	3.498	3.501	3.499	
	B22	5934	3.514	3.436	3.381	3.364	3.370	3.393	3.392	3.351	3.357	3.384	3.391	3.394	3.396	
	B26	5635	3.660	3.616	3.574	3.563	3.580	3.604	3.607	3.585	3.592	3.609	3.621	3.626	3.633	
	B27	6048	3.647	3.593	3.554	3.544	3.556	3.586	3.586	3.566	3.573	3.589	3.605	3.608	3.619	
	B28	5695	3.650	3.596	3.554	3.543	3.554	3.590	3.588	3.570	3.578	3.593	3.610	3.608	3.629	
	B29	6035	3.646	3.593	3.552	3.545	3.558	3.588	3.594	3.572	3.583	3.596	3.612	3.617	3.634	
	B30	5572	3.645	3.589	3.547	3.535	3.546	3.568	3.575	3.564	3.568	3.578	3.596	3.596	3.606	
	B37	5943	3.694	3.555	3.502	3.489	3.500	3.522	3.527	3.503	3.512	3.522	3.548	3.554	3.556	
	B38	5780	3.701	3.562	3.508	3.499	3.512	3.537	3.540	3.514	3.524	3.534	3.557	3.563	3.565	
	B39	5636	3.705	3.572	3.511	3.501	3.517	3.545	3.550	3.522	3.532	3.544	3.560	3.563	3.571	
	A44	5888	3.516	3.435	3.379	3.361	3.371	3.380	3.382	3.361	3.367	3.385	3.395	3.401	3.400	
	A45	6086	3.533	3.446	3.384	3.361	3.366	3.377	3.380	3.360	3.364	3.379	3.392	3.397	3.395	
	A54	6411	3.658	3.553	3.498	3.478	3.487	3.520	3.522	3.482	3.490	3.519	3.526	3.535	3.538	
	A61	5682	3.645	3.596	3.554	3.534	3.542	3.562	3.572	3.562	3.562	3.578	3.600	3.586	3.589	
	A63	6117	3.650	3.606	3.568	3.560	3.575	3.607	3.615	3.577	3.589	3.614	3.642	3.635	3.634	
	A68	6457	3.396	3.372	3.401	3.469	3.523	3.525	3.518	3.464	3.482	3.521	3.542	3.520	3.539	
	A70	6229	3.395	3.373	3.391	3.427	3.482	3.512	3.508	3.469	3.479	3.509	3.539	3.519	3.535	
	A76	5703	3.389	3.374	3.376	3.415	3.470	3.477	3.466	3.419	3.428	3.468	3.481	3.472	3.461	
	A77	5673	3.376	3.367	3.383	3.444	3.480	3.478	3.464	3.401	3.418	3.462	3.471	3.463	3.461	
	ave	**5982**	**3.561**													

$T_S = T_{AIR} = 55°C, I_F = 1A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	% at 6khours
DATA SET 9: CCT = 2650K, T_J = 82C	A11	2709	146.014	144.592	142.363	142.640	140.667	138.549	144.813	142.645	141.625	140.634					**96.3**
	A12	2696	145.542	145.095	142.345	142.792	141.266	140.736	144.881	142.735	141.397	139.406					**95.8**
	A13	2715	145.284	144.530	142.259	142.696	140.775	140.462	144.109	142.353	141.011	140.072					**96.4**
	A14	2685	136.811	136.728	134.551	134.657	132.456	131.793	135.552	134.050	132.934	132.567					**96.9**
	A15	2704	140.773	140.764	138.601	138.617	136.689	136.273	139.841	138.426	137.148	136.231					**96.8**
	A16	2681	146.506	146.058	138.987	140.009	138.215	138.479	141.468	140.025	137.866	138.052					**94.2**
	A17	2745	148.323	147.652	140.746	142.432	140.793	140.239	144.085	142.861	140.852	141.156					**95.2**
	A18	2684	136.922	136.208	131.054	132.624	131.037	130.040	133.311	132.539	130.409	131.337					**95.9**
	A19	2705	145.051	144.669	140.279	141.158	139.072	137.974	141.916	140.698	139.141	139.142					**95.9**
	A20	2663	136.267	135.943	134.341	134.391	132.349	131.659	135.039	133.786	132.752	132.803					**97.5**
	A31	2724	143.499	143.591	141.321	141.738	139.669	139.248	141.516	140.141	139.200	139.026					**96.9**
	A32	2689	144.798	144.683	142.175	143.123	141.092	140.382	143.139	141.486	139.591	139.856					**96.6**
	A33	2673	142.462	142.125	139.730	140.455	138.567	137.605	140.619	138.835	138.007	137.976					**96.9**
	A34	2699	142.241	141.951	139.637	139.993	137.785	136.922	139.834	138.030	136.621	136.297					**95.8**
	A35	2686	142.711	142.361	140.026	140.187	137.880	137.249	139.118	137.707	136.557	136.301					**95.5**
	A36	2615	136.246	136.075	134.122	134.285	132.052	131.338	133.543	132.139	131.174	131.172					**96.3**
	A37	2678	143.970	143.526	141.297	141.743	139.579	138.701	141.627	139.658	137.618	136.364					**94.7**
	A38	2695	140.857	140.562	138.302	138.607	136.458	136.267	139.600	137.743	136.379	135.455					**96.2**
	A39	2679	143.180	143.007	140.758	140.936	138.784	138.409	141.201	139.679	138.666	138.449					**96.7**
	A40	2678	145.163	144.892	142.779	142.984	140.846	140.178	142.715	141.140	139.372	138.759					**95.6**
	A51	2702	141.221	141.086	138.861	138.993	136.669	135.773	139.115	137.356	136.347	136.223					**96.5**
	A52	2652	143.577	142.883	140.752	141.060	138.824	137.953	141.172	139.252	137.948	137.809					**96.0**
	A53	2706	138.685	138.482	136.274	136.233	133.829	132.855	135.368	133.834	132.696	132.541					**95.6**
	A54	2738	147.534	147.094	145.447	145.607	143.280	142.500	145.334	143.858	142.603	142.547					**96.6**
	A55	2714	143.097	142.375	140.377	140.249	137.800	136.656	139.199	137.947	135.628	137.030					**95.8**
	ave	**2693**															**96.1**
DATA SET 18: CCT = 3000K, T_J = 82C	A1	3033	147.304	147.028	145.203	145.335	143.522	142.868	147.437	145.747	144.800	145.353					**98.7**
	A2	3026	149.058	149.218	147.794	148.198	146.846	146.342	150.245	148.757	147.653	148.022					**99.3**
	A3	3035	149.697	149.789	147.884	147.919	146.069	145.415	148.938	147.406	146.305	146.827					**98.1**
	A4	3059	154.061	154.343	152.262	152.352	150.533	150.049	153.843	152.429	151.450	152.118					**98.7**
	A5	3066	153.133	152.988	151.125	151.200	149.465	149.045	152.102	150.568	149.630	150.270					**98.1**
	A6	2987	153.460	153.511	151.746	151.762	149.844	148.569	152.613	150.839	149.931	150.146					**97.8**
	A7	3068	156.034	155.928	154.410	154.669	153.183	152.765	156.471	154.851	153.624	154.335					**98.9**
	A8	3055	155.903	155.604	153.686	153.972	152.390	151.749	154.896	153.220	151.931	152.532					**97.8**
	A9	3017	151.427	151.255	149.533	149.552	147.935	147.134	150.387	148.806	146.923	147.784					**97.6**
	A10	3055	151.741	151.753	150.112	150.464	148.784	148.247	152.111	150.560	149.006	150.734					**99.3**
	A21	3083	165.377	166.010	163.502	163.756	161.427	161.086	164.550	162.840	161.971	162.314					**98.1**
	A22	3112	163.616	163.926	161.549	162.146	160.048	159.176	162.715	160.832	160.031	160.410					**98.0**
	A23	3090	161.988	162.004	159.847	160.640	158.683	158.177	161.865	160.479	159.445	159.973					**98.8**
	A24	3032	152.720	152.755	150.861	151.406	149.492	148.884	152.418	150.920	149.719	150.173					**98.3**
	A25	3041	155.805	155.769	153.666	154.078	152.218	151.681	155.048	153.444	152.080	152.676					**98.0**
	A26	3043	152.807	151.935	149.931	150.492	148.896	148.337	151.720	150.287	149.444	149.803					**98.0**
	A27	3092	161.586	161.775	159.630	159.900	157.746	157.208	160.809	159.325	158.260	158.865					**98.3**
	A28	3060	156.006	155.875	153.903	154.241	152.305	152.133	155.469	154.257	153.286	153.827					**98.6**
	A30	3038	155.354	155.665	153.920	154.379	152.580	152.157	154.999	154.162	153.277	153.870					**99.0**
	A41	3036	153.386	153.869	151.278	152.180	149.899	148.993	151.542	149.655	148.181	149.243					**97.3**
	A42	3101	169.469	170.880	168.457	169.581	166.439	165.479	168.262	165.773	164.937	165.660					**97.8**
	A43	3111	162.413	162.562	160.386	161.377	158.845	157.327	159.920	157.554	155.129	156.942					**96.6**
	A44	3092	157.505	157.268	155.332	156.383	154.245	152.922	156.054	154.269	151.749	153.448					**97.4**
	A45	3065	156.413	157.686	155.761	156.949	154.682	153.480	155.505	154.066	152.935	153.608					**98.2**
	A46	3147	165.232	165.013	162.759	163.366	161.219	159.546	162.206	160.785	158.695	160.623					**97.2**
	ave	**3062**															**98.2**

$T_S = T_{AIR} = 55°C, I_F = 1A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

			Normalized flux													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 9: CCT = 2650K, T_J = 82C	A11	2709	1.0000	0.9903	0.9750	0.9769	0.9634	0.9489	0.9918	0.9769	0.9699	0.9632				
	A12	2696	1.0000	0.9969	0.9780	0.9811	0.9706	0.9670	0.9955	0.9807	0.9715	0.9578				
	A13	2715	1.0000	0.9948	0.9792	0.9822	0.9690	0.9668	0.9919	0.9798	0.9706	0.9641				
	A14	2685	1.0000	0.9994	0.9835	0.9843	0.9682	0.9633	0.9908	0.9798	0.9717	0.9690				
	A15	2704	1.0000	0.9999	0.9846	0.9847	0.9710	0.9680	0.9934	0.9833	0.9742	0.9677				
	A16	2681	1.0000	0.9969	0.9487	0.9557	0.9434	0.9452	0.9656	0.9558	0.9410	0.9423				
	A17	2745	1.0000	0.9955	0.9489	0.9603	0.9492	0.9455	0.9714	0.9632	0.9496	0.9517				
	A18	2684	1.0000	0.9948	0.9571	0.9686	0.9570	0.9497	0.9736	0.9680	0.9524	0.9592				
	A19	2705	1.0000	0.9974	0.9671	0.9732	0.9588	0.9512	0.9784	0.9700	0.9593	0.9593				
	A20	2663	1.0000	0.9976	0.9859	0.9862	0.9712	0.9662	0.9910	0.9818	0.9742	0.9746				
	A31	2724	1.0000	1.0006	0.9848	0.9877	0.9733	0.9704	0.9862	0.9766	0.9700	0.9688				
	A32	2689	1.0000	0.9992	0.9819	0.9884	0.9744	0.9695	0.9885	0.9771	0.9640	0.9659				
	A33	2673	1.0000	0.9976	0.9808	0.9859	0.9727	0.9659	0.9871	0.9745	0.9687	0.9685				
	A34	2699	1.0000	0.9980	0.9817	0.9842	0.9687	0.9626	0.9831	0.9704	0.9605	0.9582				
	A35	2686	1.0000	0.9976	0.9812	0.9823	0.9661	0.9617	0.9748	0.9649	0.9569	0.9551				
	A36	2615	1.0000	0.9987	0.9844	0.9856	0.9692	0.9640	0.9802	0.9699	0.9628	0.9628				
	A37	2678	1.0000	0.9969	0.9814	0.9845	0.9695	0.9634	0.9837	0.9700	0.9559	0.9472				
	A38	2695	1.0000	0.9979	0.9819	0.9840	0.9688	0.9674	0.9911	0.9779	0.9682	0.9617				
	A39	2679	1.0000	0.9988	0.9831	0.9843	0.9693	0.9667	0.9862	0.9755	0.9685	0.9670				
	A40	2678	1.0000	0.9981	0.9836	0.9850	0.9703	0.9657	0.9831	0.9723	0.9601	0.9559				
	A51	2702	1.0000	0.9990	0.9833	0.9842	0.9678	0.9614	0.9851	0.9726	0.9655	0.9646				
	A52	2652	1.0000	0.9952	0.9803	0.9825	0.9669	0.9608	0.9833	0.9699	0.9608	0.9598				
	A53	2706	1.0000	0.9985	0.9826	0.9823	0.9650	0.9580	0.9761	0.9650	0.9568	0.9557				
	A54	2738	1.0000	0.9970	0.9859	0.9869	0.9712	0.9659	0.9851	0.9751	0.9666	0.9662				
	A55	2714	1.0000	0.9950	0.9810	0.9801	0.9630	0.9550	0.9728	0.9640	0.9478	0.9576				
	ave	**2693**	**1.0000**	**0.9973**	**0.9778**	**0.9808**	**0.9663**	**0.9612**	**0.9836**	**0.9726**	**0.9627**	**0.9609**				
DATA SET 18: CCT = 3000K, T_J = 82C	A1	3033	1.0000	0.9981	0.9857	0.9866	0.9743	0.9699	1.0009	0.9894	0.9830	0.9868				
	A2	3026	1.0000	1.0011	0.9915	0.9942	0.9852	0.9818	1.0080	0.9980	0.9906	0.9930				
	A3	3035	1.0000	1.0006	0.9879	0.9881	0.9758	0.9714	0.9949	0.9847	0.9773	0.9808				
	A4	3059	1.0000	1.0018	0.9883	0.9889	0.9771	0.9740	0.9986	0.9894	0.9831	0.9874				
	A5	3066	1.0000	0.9991	0.9869	0.9874	0.9760	0.9733	0.9933	0.9833	0.9771	0.9813				
	A6	2987	1.0000	1.0003	0.9888	0.9889	0.9764	0.9681	0.9945	0.9829	0.9770	0.9784				
	A7	3068	1.0000	0.9993	0.9896	0.9913	0.9817	0.9790	1.0028	0.9924	0.9846	0.9891				
	A8	3055	1.0000	0.9981	0.9858	0.9876	0.9775	0.9734	0.9935	0.9828	0.9745	0.9784				
	A9	3017	1.0000	0.9989	0.9875	0.9876	0.9769	0.9717	0.9931	0.9827	0.9703	0.9759				
	A10	3055	1.0000	1.0001	0.9893	0.9916	0.9805	0.9770	1.0024	0.9922	0.9820	0.9934				
	A21	3083	1.0000	1.0038	0.9887	0.9902	0.9761	0.9741	0.9950	0.9847	0.9794	0.9815				
	A22	3112	1.0000	1.0019	0.9874	0.9910	0.9782	0.9729	0.9945	0.9830	0.9781	0.9804				
	A23	3090	1.0000	1.0001	0.9868	0.9917	0.9796	0.9765	0.9992	0.9907	0.9843	0.9876				
	A24	3032	1.0000	1.0002	0.9878	0.9914	0.9789	0.9749	0.9980	0.9882	0.9804	0.9833				
	A25	3041	1.0000	0.9998	0.9863	0.9889	0.9770	0.9735	0.9951	0.9848	0.9761	0.9799				
	A26	3043	1.0000	0.9943	0.9812	0.9849	0.9744	0.9707	0.9929	0.9835	0.9780	0.9803				
	A27	3092	1.0000	1.0012	0.9879	0.9896	0.9762	0.9729	0.9952	0.9860	0.9794	0.9832				
	A28	3060	1.0000	0.9992	0.9865	0.9887	0.9763	0.9752	0.9966	0.9888	0.9826	0.9860				
	A30	3038	1.0000	1.0020	0.9908	0.9937	0.9821	0.9794	0.9977	0.9923	0.9866	0.9904				
	A41	3036	1.0000	1.0032	0.9863	0.9921	0.9773	0.9714	0.9880	0.9757	0.9661	0.9730				
	A42	3101	1.0000	1.0083	0.9940	1.0007	0.9821	0.9765	0.9929	0.9782	0.9733	0.9775				
	A43	3111	1.0000	1.0009	0.9875	0.9936	0.9780	0.9687	0.9847	0.9701	0.9552	0.9663				
	A44	3092	1.0000	0.9985	0.9862	0.9929	0.9793	0.9709	0.9908	0.9795	0.9635	0.9742				
	A45	3065	1.0000	1.0081	0.9958	1.0034	0.9889	0.9813	0.9942	0.9850	0.9778	0.9821				
	A46	3147	1.0000	0.9987	0.9850	0.9887	0.9757	0.9656	0.9817	0.9731	0.9604	0.9721				
	ave	**3062**	**1.0000**	**1.0007**	**0.9880**	**0.9909**	**0.9785**	**0.9738**	**0.9951**	**0.9849**	**0.9768**	**0.9817**				

$T_S = T_{AIR} = 55°C, I_F = 1A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 9: CCT = 2650K, T_J = 82C	A11	2709	-1.4180E-06	0.9641	0.031	-225,761
	A12	2696	1.9180E-06	0.9803	0.074	175,613
	A13	2715	7.3056E-07	0.9762	0.017	455,181
	A14	2685	-5.3948E-07	0.9719	0.010	-608,334
	A15	2704	2.2148E-07	0.9770	0.002	1,505,323
	A16	2681	8.4149E-07	0.9516	0.024	364,959
	A17	2745	-4.9764E-07	0.9534	0.008	-620,837
	A18	2684	-4.0346E-07	0.9586	0.006	-779,279
	A19	2705	-5.4789E-07	0.9609	0.010	-578,248
	A20	2663	-9.3206E-07	0.9733	0.038	-353,618
	A31	2724	9.6734E-07	0.9775	0.074	345,202
	A32	2689	2.0722E-06	0.9803	0.177	162,517
	A33	2673	7.2486E-07	0.9753	0.030	457,623
	A34	2699	2.1112E-06	0.9744	0.179	156,653
	A35	2686	2.3693E-06	0.9713	0.359	138,237
	A36	2615	1.3638E-06	0.9727	0.137	241,265
	A37	2678	4.4006E-06	0.9799	0.395	76,429
	A38	2695	1.3661E-06	0.9771	0.057	244,142
	A39	2679	4.9607E-07	0.9739	0.014	665,594
	A40	2678	2.9443E-06	0.9779	0.305	113,540
	A51	2702	4.6785E-07	0.9711	0.010	699,590
	A52	2652	1.4427E-06	0.9718	0.086	227,381
	A53	2706	1.8096E-06	0.9689	0.181	179,617
	A54	2738	9.6233E-07	0.9749	0.055	344,242
	A55	2714	1.7058E-06	0.9657	0.128	188,662
	ave	**2693**	**9.8246E-07**	**0.9712**	**0.041**	**333,293**

DATA SET 18: CCT = 3000K, T_J = 82C	A1	3033	-2.6333E-06	0.9750	0.191	-125,824
	A2	3026	-1.6192E-06	0.9871	0.103	-212,258
	A3	3035	-9.6663E-07	0.9775	0.046	-345,429
	A4	3059	-2.0297E-06	0.9779	0.176	-164,722
	A5	3066	-8.1361E-07	0.9779	0.044	-410,926
	A6	2987	-7.3622E-07	0.9770	0.024	-452,870
	A7	3068	-1.2539E-06	0.9839	0.073	-271,531
	A8	3055	7.5544E-08	0.9802	0.000	4,457,274
	A9	3017	5.7086E-07	0.9804	0.015	590,068
	A10	3055	-2.0044E-06	0.9810	0.147	-168,356
	A21	3083	-9.5349E-07	0.9785	0.055	-351,271
	A22	3112	-4.5027E-07	0.9796	0.013	-746,376
	A23	3090	-1.5954E-06	0.9808	0.130	-211,404
	A24	3032	-8.4609E-07	0.9810	0.036	-398,891
	A25	3041	-3.5693E-07	0.9798	0.007	-942,207
	A26	3043	-1.2333E-06	0.9757	0.086	-269,288
	A27	3092	-1.3161E-06	0.9776	0.094	-253,812
	A28	3060	-1.8443E-06	0.9779	0.178	-181,265
	A30	3038	-1.6765E-06	0.9823	0.210	-202,107
	A41	3036	1.4526E-06	0.9802	0.130	231,761
	A42	3101	1.3772E-06	0.9848	0.135	247,861
	A43	3111	3.3528E-06	0.9819	0.360	100,932
	A44	3092	1.7287E-06	0.9822	0.117	195,964
	A45	3065	1.5657E-06	0.9903	0.239	221,553
	A46	3147	1.2387E-06	0.9756	0.090	268,035
	ave	**3062**	**-4.4344E-07**	**0.9802**	**0.012**	**-759,338**

$T_S = T_{AIR} = 55°C$, $I_F = 1A$

$T_S \geq 53C$, $T_{AIR} \geq 50C$ in compliance with LM-80-08

u'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 9: CCT = 2650K, T_J = 82C	A11	2709	0.2616	0.2599	0.2590	0.2582	0.2575	0.2571	0.2565	0.2566	0.2571	0.2578				
	A12	2696	0.2623	0.2606	0.2599	0.2590	0.2580	0.2574	0.2570	0.2573	0.2579	0.2590				
	A13	2715	0.2615	0.2597	0.2590	0.2581	0.2574	0.2568	0.2564	0.2565	0.2570	0.2575				
	A14	2685	0.2632	0.2613	0.2605	0.2597	0.2590	0.2585	0.2582	0.2582	0.2586	0.2589				
	A15	2704	0.2620	0.2601	0.2592	0.2584	0.2577	0.2572	0.2568	0.2569	0.2574	0.2579				
	A16	2681	0.2633	0.2614	0.2609	0.2600	0.2593	0.2586	0.2585	0.2585	0.2593	0.2596				
	A17	2745	0.2602	0.2585	0.2578	0.2570	0.2562	0.2556	0.2555	0.2555	0.2562	0.2564				
	A18	2684	0.2630	0.2612	0.2605	0.2596	0.2588	0.2584	0.2581	0.2581	0.2585	0.2587				
	A19	2705	0.2620	0.2602	0.2595	0.2586	0.2580	0.2575	0.2572	0.2573	0.2578	0.2581				
	A20	2663	0.2641	0.2623	0.2613	0.2605	0.2599	0.2594	0.2591	0.2590	0.2593	0.2595				
	A31	2724	0.2609	0.2591	0.2583	0.2575	0.2567	0.2562	0.2558	0.2558	0.2560	0.2562				
	A32	2689	0.2628	0.2610	0.2602	0.2591	0.2584	0.2579	0.2576	0.2577	0.2580	0.2583				
	A33	2673	0.2634	0.2616	0.2607	0.2597	0.2590	0.2585	0.2581	0.2581	0.2584	0.2587				
	A34	2699	0.2625	0.2607	0.2598	0.2590	0.2583	0.2579	0.2575	0.2576	0.2580	0.2585				
	A35	2686	0.2630	0.2612	0.2603	0.2595	0.2588	0.2584	0.2581	0.2582	0.2585	0.2588				
	A36	2615	0.2668	0.2649	0.2640	0.2632	0.2626	0.2621	0.2618	0.2618	0.2622	0.2625				
	A37	2678	0.2635	0.2616	0.2607	0.2599	0.2593	0.2590	0.2587	0.2590	0.2599	0.2606				
	A38	2695	0.2628	0.2610	0.2603	0.2595	0.2588	0.2582	0.2579	0.2580	0.2586	0.2592				
	A39	2679	0.2639	0.2621	0.2613	0.2605	0.2598	0.2591	0.2587	0.2588	0.2592	0.2595				
	A40	2678	0.2638	0.2619	0.2609	0.2601	0.2595	0.2591	0.2589	0.2590	0.2597	0.2602				
	A51	2702	0.2624	0.2606	0.2597	0.2589	0.2583	0.2578	0.2574	0.2574	0.2578	0.2579				
	A52	2652	0.2650	0.2632	0.2623	0.2615	0.2608	0.2603	0.2599	0.2600	0.2605	0.2608				
	A53	2706	0.2625	0.2608	0.2599	0.2591	0.2585	0.2580	0.2576	0.2577	0.2580	0.2583				
	A54	2738	0.2610	0.2592	0.2582	0.2574	0.2568	0.2562	0.2558	0.2559	0.2562	0.2566				
	A55	2714	0.2620	0.2603	0.2594	0.2586	0.2579	0.2573	0.2570	0.2569	0.2572	0.2573				
	ave	**2693**														
DATA SET 18: CCT = 3000K, T_J = 82C	A1	3033	0.2492	0.2480	0.2475	0.2470	0.2465	0.2461	0.2457	0.2457	0.2458	0.2458				
	A2	3026	0.2497	0.2485	0.2480	0.2475	0.2469	0.2465	0.2462	0.2462	0.2464	0.2464				
	A3	3035	0.2489	0.2477	0.2472	0.2467	0.2462	0.2457	0.2455	0.2454	0.2455	0.2455				
	A4	3059	0.2480	0.2467	0.2462	0.2458	0.2453	0.2448	0.2445	0.2444	0.2445	0.2445				
	A5	3066	0.2480	0.2468	0.2463	0.2458	0.2452	0.2449	0.2446	0.2446	0.2448	0.2448				
	A6	2987	0.2512	0.2500	0.2494	0.2489	0.2484	0.2480	0.2477	0.2477	0.2479	0.2479				
	A7	3068	0.2476	0.2464	0.2459	0.2453	0.2448	0.2444	0.2442	0.2442	0.2444	0.2445				
	A8	3055	0.2484	0.2471	0.2466	0.2460	0.2455	0.2452	0.2449	0.2449	0.2450	0.2450				
	A9	3017	0.2497	0.2485	0.2480	0.2474	0.2469	0.2466	0.2463	0.2462	0.2464	0.2464				
	A10	3055	0.2482	0.2470	0.2465	0.2460	0.2455	0.2451	0.2448	0.2448	0.2448	0.2447				
	A21	3083	0.2476	0.2464	0.2460	0.2455	0.2449	0.2444	0.2441	0.2440	0.2442	0.2442				
	A22	3112	0.2467	0.2456	0.2450	0.2444	0.2439	0.2435	0.2432	0.2432	0.2433	0.2434				
	A23	3090	0.2469	0.2457	0.2452	0.2446	0.2440	0.2436	0.2433	0.2432	0.2434	0.2435				
	A24	3032	0.2494	0.2482	0.2477	0.2471	0.2465	0.2460	0.2457	0.2457	0.2459	0.2459				
	A25	3041	0.2491	0.2478	0.2473	0.2467	0.2461	0.2457	0.2454	0.2453	0.2455	0.2455				
	A26	3043	0.2488	0.2476	0.2471	0.2466	0.2459	0.2455	0.2452	0.2451	0.2453	0.2453				
	A27	3092	0.2474	0.2462	0.2457	0.2452	0.2447	0.2443	0.2439	0.2439	0.2441	0.2441				
	A28	3060	0.2487	0.2475	0.2470	0.2465	0.2460	0.2455	0.2452	0.2451	0.2453	0.2452				
	A30	3038	0.2503	0.2491	0.2486	0.2480	0.2474	0.2470	0.2467	0.2466	0.2468	0.2468				
	A41	3036	0.2492	0.2480	0.2474	0.2468	0.2463	0.2458	0.2455	0.2455	0.2456	0.2456				
	A42	3101	0.2476	0.2464	0.2458	0.2453	0.2448	0.2444	0.2441	0.2442	0.2443	0.2443				
	A43	3111	0.2466	0.2454	0.2448	0.2443	0.2439	0.2435	0.2432	0.2433	0.2435	0.2435				
	A44	3092	0.2477	0.2465	0.2459	0.2453	0.2448	0.2443	0.2440	0.2440	0.2442	0.2443				
	A45	3065	0.2489	0.2477	0.2471	0.2465	0.2460	0.2456	0.2454	0.2455	0.2457	0.2459				
	A46	3147	0.2457	0.2445	0.2439	0.2434	0.2429	0.2425	0.2422	0.2421	0.2423	0.2423				
	ave	**3062**														

$T_S = T_{AIR} = 55°C, I_F = 1A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 9: CCT = 2650K, T_J = 82C	A11	2709	0.5294	0.5291	0.5291	0.5291	0.5286	0.5286	0.5281	0.5281	0.5280	0.5281				
	A12	2696	0.5295	0.5293	0.5293	0.5292	0.5286	0.5285	0.5282	0.5283	0.5284	0.5283				
	A13	2715	0.5289	0.5286	0.5286	0.5286	0.5283	0.5282	0.5280	0.5280	0.5281	0.5280				
	A14	2685	0.5274	0.5271	0.5270	0.5270	0.5265	0.5264	0.5261	0.5261	0.5263	0.5262				
	A15	2704	0.5292	0.5289	0.5289	0.5288	0.5283	0.5282	0.5280	0.5280	0.5281	0.5281				
	A16	2681	0.5279	0.5275	0.5280	0.5278	0.5273	0.5268	0.5265	0.5264	0.5265	0.5264				
	A17	2745	0.5282	0.5279	0.5284	0.5280	0.5273	0.5268	0.5265	0.5264	0.5266	0.5265				
	A18	2684	0.5289	0.5285	0.5288	0.5286	0.5279	0.5277	0.5273	0.5272	0.5273	0.5272				
	A19	2705	0.5287	0.5283	0.5285	0.5285	0.5280	0.5279	0.5275	0.5275	0.5275	0.5275				
	A20	2663	0.5287	0.5283	0.5282	0.5282	0.5280	0.5280	0.5278	0.5278	0.5279	0.5279				
	A31	2724	0.5293	0.5289	0.5289	0.5289	0.5283	0.5281	0.5279	0.5280	0.5280	0.5279				
	A32	2689	0.5285	0.5281	0.5282	0.5278	0.5272	0.5272	0.5270	0.5270	0.5270	0.5270				
	A33	2673	0.5294	0.5290	0.5291	0.5288	0.5282	0.5281	0.5279	0.5279	0.5280	0.5280				
	A34	2699	0.5274	0.5270	0.5270	0.5269	0.5266	0.5264	0.5262	0.5262	0.5263	0.5262				
	A35	2686	0.5280	0.5276	0.5275	0.5275	0.5272	0.5271	0.5269	0.5268	0.5268	0.5267				
	A36	2615	0.5270	0.5265	0.5264	0.5265	0.5263	0.5262	0.5260	0.5260	0.5261	0.5261				
	A37	2678	0.5278	0.5274	0.5273	0.5273	0.5271	0.5271	0.5268	0.5268	0.5269	0.5268				
	A38	2695	0.5271	0.5268	0.5268	0.5268	0.5265	0.5263	0.5261	0.5261	0.5262	0.5262				
	A39	2679	0.5253	0.5250	0.5250	0.5250	0.5247	0.5244	0.5242	0.5241	0.5241	0.5240				
	A40	2678	0.5263	0.5258	0.5258	0.5258	0.5253	0.5252	0.5249	0.5249	0.5249	0.5248				
	A51	2702	0.5274	0.5270	0.5269	0.5270	0.5267	0.5267	0.5265	0.5265	0.5265	0.5265				
	A52	2652	0.5264	0.5260	0.5260	0.5260	0.5258	0.5256	0.5254	0.5254	0.5254	0.5254				
	A53	2706	0.5259	0.5254	0.5254	0.5254	0.5251	0.5249	0.5247	0.5247	0.5248	0.5247				
	A54	2738	0.5257	0.5251	0.5250	0.5249	0.5245	0.5241	0.5239	0.5239	0.5240	0.5239				
	A55	2714	0.5265	0.5260	0.5259	0.5259	0.5255	0.5251	0.5249	0.5250	0.5249	0.5249				
	ave	**2693**														
DATA SET 18: CCT = 3000K, T_J = 82C	A1	3033	0.5217	0.5212	0.5213	0.5214	0.5209	0.5206	0.5202	0.5204	0.5204	0.5203				
	A2	3026	0.5206	0.5202	0.5203	0.5203	0.5194	0.5192	0.5189	0.5190	0.5191	0.5190				
	A3	3035	0.5223	0.5218	0.5219	0.5220	0.5214	0.5212	0.5209	0.5209	0.5210	0.5210				
	A4	3059	0.5223	0.5218	0.5219	0.5220	0.5215	0.5212	0.5209	0.5210	0.5211	0.5210				
	A5	3066	0.5211	0.5207	0.5209	0.5208	0.5200	0.5199	0.5196	0.5197	0.5198	0.5197				
	A6	2987	0.5208	0.5204	0.5205	0.5205	0.5200	0.5199	0.5196	0.5196	0.5197	0.5196				
	A7	3068	0.5224	0.5220	0.5222	0.5219	0.5211	0.5210	0.5207	0.5208	0.5209	0.5208				
	A8	3055	0.5215	0.5211	0.5213	0.5210	0.5202	0.5201	0.5198	0.5198	0.5199	0.5199				
	A9	3017	0.5220	0.5216	0.5218	0.5217	0.5211	0.5209	0.5206	0.5206	0.5207	0.5207				
	A10	3055	0.5220	0.5216	0.5217	0.5217	0.5213	0.5211	0.5208	0.5208	0.5209	0.5208				
	A21	3083	0.5203	0.5198	0.5199	0.5199	0.5192	0.5189	0.5187	0.5188	0.5188	0.5188				
	A22	3112	0.5193	0.5188	0.5189	0.5185	0.5178	0.5177	0.5174	0.5175	0.5176	0.5176				
	A23	3090	0.5217	0.5212	0.5214	0.5210	0.5201	0.5200	0.5196	0.5197	0.5197	0.5197				
	A24	3032	0.5209	0.5204	0.5206	0.5202	0.5193	0.5191	0.5188	0.5188	0.5190	0.5189				
	A25	3041	0.5209	0.5204	0.5205	0.5203	0.5197	0.5195	0.5193	0.5193	0.5194	0.5194				
	A26	3043	0.5214	0.5210	0.5211	0.5210	0.5201	0.5199	0.5196	0.5197	0.5198	0.5197				
	A27	3092	0.5196	0.5191	0.5192	0.5191	0.5186	0.5183	0.5180	0.5181	0.5182	0.5181				
	A28	3060	0.5194	0.5190	0.5191	0.5190	0.5184	0.5182	0.5179	0.5179	0.5180	0.5179				
	A30	3038	0.5167	0.5163	0.5164	0.5163	0.5157	0.5154	0.5150	0.5150	0.5152	0.5151				
	A41	3036	0.5210	0.5203	0.5201	0.5201	0.5192	0.5186	0.5183	0.5184	0.5184	0.5184				
	A42	3101	0.5175	0.5170	0.5170	0.5171	0.5166	0.5163	0.5160	0.5162	0.5162	0.5162				
	A43	3111	0.5198	0.5191	0.5191	0.5191	0.5189	0.5186	0.5183	0.5185	0.5185	0.5185				
	A44	3092	0.5187	0.5182	0.5183	0.5181	0.5172	0.5168	0.5166	0.5167	0.5168	0.5168				
	A45	3065	0.5179	0.5171	0.5170	0.5167	0.5159	0.5154	0.5151	0.5151	0.5151	0.5151				
	A46	3147	0.5183	0.5175	0.5176	0.5173	0.5165	0.5160	0.5157	0.5158	0.5157	0.5157				
	ave	**3062**														

$T_S = T_{AIR} = 55°C, I_F = 1A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

			delta u' v'													
		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 9: CCT = 2650K, T_J = 82C	A11	2709	0.0000	0.0017	0.0026	0.0034	0.0042	0.0046	0.0053	0.0052	0.0047	0.0040				
	A12	2696	0.0000	0.0017	0.0024	0.0033	0.0044	0.0050	0.0055	0.0051	0.0045	0.0035				
	A13	2715	0.0000	0.0018	0.0025	0.0034	0.0041	0.0048	0.0052	0.0051	0.0046	0.0041				
	A14	2685	0.0000	0.0019	0.0027	0.0035	0.0043	0.0048	0.0052	0.0052	0.0047	0.0045				
	A15	2704	0.0000	0.0019	0.0028	0.0036	0.0044	0.0049	0.0053	0.0052	0.0047	0.0042				
	A16	2681	0.0000	0.0019	0.0024	0.0033	0.0040	0.0048	0.0050	0.0050	0.0042	0.0040				
	A17	2745	0.0000	0.0017	0.0024	0.0032	0.0041	0.0048	0.0050	0.0050	0.0043	0.0042				
	A18	2684	0.0000	0.0018	0.0025	0.0034	0.0043	0.0048	0.0052	0.0052	0.0048	0.0046				
	A19	2705	0.0000	0.0018	0.0025	0.0034	0.0041	0.0046	0.0049	0.0049	0.0044	0.0041				
	A20	2663	0.0000	0.0018	0.0028	0.0036	0.0043	0.0048	0.0051	0.0052	0.0049	0.0047				
	A31	2724	0.0000	0.0018	0.0026	0.0034	0.0043	0.0049	0.0053	0.0053	0.0051	0.0049				
	A32	2689	0.0000	0.0018	0.0026	0.0038	0.0046	0.0051	0.0054	0.0053	0.0050	0.0047				
	A33	2673	0.0000	0.0018	0.0027	0.0037	0.0046	0.0051	0.0055	0.0055	0.0052	0.0049				
	A34	2699	0.0000	0.0018	0.0027	0.0035	0.0043	0.0047	0.0051	0.0050	0.0046	0.0042				
	A35	2686	0.0000	0.0018	0.0027	0.0035	0.0043	0.0047	0.0050	0.0049	0.0047	0.0044				
	A36	2615	0.0000	0.0020	0.0029	0.0036	0.0043	0.0048	0.0051	0.0051	0.0047	0.0044				
	A37	2678	0.0000	0.0019	0.0028	0.0036	0.0043	0.0046	0.0049	0.0046	0.0037	0.0031				
	A38	2695	0.0000	0.0018	0.0025	0.0033	0.0040	0.0047	0.0050	0.0049	0.0043	0.0037				
	A39	2679	0.0000	0.0018	0.0026	0.0034	0.0041	0.0049	0.0053	0.0052	0.0049	0.0046				
	A40	2678	0.0000	0.0020	0.0029	0.0037	0.0044	0.0048	0.0051	0.0050	0.0043	0.0039				
	A51	2702	0.0000	0.0018	0.0027	0.0035	0.0042	0.0047	0.0051	0.0051	0.0047	0.0046				
	A52	2652	0.0000	0.0018	0.0027	0.0035	0.0042	0.0048	0.0052	0.0051	0.0046	0.0043				
	A53	2706	0.0000	0.0018	0.0026	0.0034	0.0041	0.0046	0.0050	0.0049	0.0046	0.0044				
	A54	2738	0.0000	0.0019	0.0029	0.0037	0.0044	0.0051	0.0055	0.0054	0.0051	0.0048				
	A55	2714	0.0000	0.0018	0.0027	0.0035	0.0042	0.0049	0.0052	0.0053	0.0051	0.0050				
	ave	**2693**	**0.0000**	**0.0018**	**0.0027**	**0.0035**	**0.0043**	**0.0048**	**0.0052**	**0.0051**	**0.0047**	**0.0043**				
DATA SET 18: CCT = 3000K, T_J = 82C	A1	3033	0.0000	0.0013	0.0017	0.0022	0.0028	0.0033	0.0038	0.0037	0.0036	0.0037				
	A2	3026	0.0000	0.0013	0.0017	0.0022	0.0030	0.0035	0.0039	0.0038	0.0036	0.0037				
	A3	3035	0.0000	0.0013	0.0017	0.0022	0.0028	0.0034	0.0037	0.0038	0.0036	0.0036				
	A4	3059	0.0000	0.0014	0.0018	0.0022	0.0028	0.0034	0.0038	0.0038	0.0037	0.0037				
	A5	3066	0.0000	0.0013	0.0017	0.0022	0.0030	0.0033	0.0037	0.0037	0.0035	0.0035				
	A6	2987	0.0000	0.0013	0.0018	0.0023	0.0029	0.0033	0.0037	0.0037	0.0035	0.0035				
	A7	3068	0.0000	0.0013	0.0017	0.0024	0.0031	0.0035	0.0038	0.0038	0.0035	0.0035				
	A8	3055	0.0000	0.0014	0.0018	0.0025	0.0032	0.0035	0.0039	0.0039	0.0038	0.0038				
	A9	3017	0.0000	0.0013	0.0017	0.0023	0.0029	0.0033	0.0037	0.0038	0.0035	0.0035				
	A10	3055	0.0000	0.0013	0.0017	0.0022	0.0028	0.0032	0.0036	0.0036	0.0036	0.0037				
	A21	3083	0.0000	0.0013	0.0016	0.0021	0.0029	0.0035	0.0038	0.0039	0.0037	0.0037				
	A22	3112	0.0000	0.0012	0.0017	0.0024	0.0032	0.0036	0.0040	0.0039	0.0038	0.0037				
	A23	3090	0.0000	0.0013	0.0017	0.0024	0.0033	0.0037	0.0042	0.0042	0.0040	0.0039				
	A24	3032	0.0000	0.0013	0.0017	0.0024	0.0033	0.0038	0.0043	0.0043	0.0040	0.0040				
	A25	3041	0.0000	0.0014	0.0018	0.0025	0.0032	0.0037	0.0040	0.0041	0.0039	0.0039				
	A26	3043	0.0000	0.0013	0.0017	0.0022	0.0032	0.0036	0.0040	0.0041	0.0038	0.0039				
	A27	3092	0.0000	0.0013	0.0017	0.0023	0.0029	0.0034	0.0038	0.0038	0.0036	0.0036				
	A28	3060	0.0000	0.0013	0.0017	0.0022	0.0029	0.0034	0.0038	0.0039	0.0037	0.0038				
	A30	3038	0.0000	0.0013	0.0017	0.0023	0.0031	0.0035	0.0040	0.0041	0.0038	0.0038				
	A41	3036	0.0000	0.0014	0.0020	0.0026	0.0034	0.0042	0.0046	0.0045	0.0044	0.0044				
	A42	3101	0.0000	0.0013	0.0019	0.0023	0.0029	0.0034	0.0038	0.0036	0.0035	0.0035				
	A43	3111	0.0000	0.0014	0.0019	0.0024	0.0028	0.0033	0.0037	0.0035	0.0034	0.0034				
	A44	3092	0.0000	0.0013	0.0018	0.0025	0.0033	0.0039	0.0043	0.0042	0.0040	0.0039				
	A45	3065	0.0000	0.0014	0.0020	0.0027	0.0035	0.0041	0.0045	0.0044	0.0043	0.0041				
	A46	3147	0.0000	0.0014	0.0019	0.0025	0.0033	0.0039	0.0044	0.0044	0.0043	0.0043				
	ave	**3062**	**0.0000**	**0.0013**	**0.0018**	**0.0023**	**0.0031**	**0.0036**	**0.0039**	**0.0039**	**0.0038**	**0.0038**				

$T_S = T_{AIR} = 55°C, I_F = 1A$

$T_S \geq 53C, T_{AIR} \geq 50C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 9: CCT = 2650K, T_J = 82C	A11	2709	3.298	3.296	3.285	3.277	3.268	3.273	3.271	3.277	3.282	3.277				
	A12	2696	3.320	3.314	3.307	3.300	3.290	3.294	3.295	3.301	3.305	3.303				
	A13	2715	3.385	3.376	3.367	3.360	3.352	3.361	3.359	3.365	3.371	3.371				
	A14	2685	3.311	3.306	3.298	3.291	3.282	3.284	3.282	3.285	3.287	3.287				
	A15	2704	3.313	3.305	3.299	3.293	3.284	3.292	3.289	3.297	3.300	3.300				
	A16	2681	3.370	3.366	3.358	3.350	3.341	3.339	3.345	3.351	3.355	3.356				
	A17	2745	3.325	3.319	3.313	3.304	3.298	3.294	3.299	3.305	3.311	3.311				
	A18	2684	3.216	3.209	3.201	3.195	3.189	3.193	3.192	3.196	3.198	3.199				
	A19	2705	3.350	3.340	3.333	3.326	3.317	3.325	3.324	3.332	3.339	3.340				
	A20	2663	3.217	3.210	3.203	3.199	3.191	3.196	3.196	3.199	3.202	3.200				
	A31	2724	3.331	3.323	3.316	3.309	3.303	3.307	3.306	3.312	3.316	3.315				
	A32	2689	3.287	3.282	3.275	3.267	3.259	3.264	3.262	3.268	3.271	3.269				
	A33	2673	3.230	3.226	3.217	3.212	3.204	3.207	3.206	3.210	3.214	3.211				
	A34	2699	3.289	3.276	3.265	3.259	3.251	3.251	3.248	3.252	3.254	3.252				
	A35	2686	3.395	3.382	3.369	3.353	3.339	3.337	3.331	3.333	3.333	3.332				
	A36	2615	3.207	3.201	3.193	3.188	3.183	3.186	3.186	3.192	3.195	3.195				
	A37	2678	3.370	3.363	3.356	3.346	3.339	3.346	3.345	3.353	3.356	3.359				
	A38	2695	3.212	3.203	3.198	3.192	3.186	3.191	3.191	3.195	3.200	3.201				
	A39	2679	3.207	3.201	3.195	3.190	3.185	3.188	3.188	3.197	3.197	3.199				
	A40	2678	3.196	3.191	3.183	3.177	3.173	3.176	3.175	3.179	3.182	3.181				
	A51	2702	3.302	3.293	3.286	3.280	3.272	3.278	3.280	3.288	3.293	3.296				
	A52	2652	3.297	3.287	3.281	3.275	3.270	3.277	3.278	3.289	3.298	3.302				
	A53	2706	3.391	3.369	3.344	3.324	3.311	3.307	3.307	3.312	3.315	3.315				
	A54	2738	3.241	3.228	3.223	3.217	3.213	3.220	3.224	3.235	3.242	3.251				
	A55	2714	3.328	3.312	3.294	3.279	3.268	3.265	3.263	3.267	3.267	3.268				
	ave	**2693**	**3.296**													

DATA SET 18: CCT = 3000K, T_J = 82C	A1	3033	3.270	3.263	3.255	3.250	3.245	3.253	3.253	3.260	3.266	3.276				
	A2	3026	3.238	3.231	3.223	3.220	3.216	3.226	3.233	3.248	3.263	3.283				
	A3	3035	3.296	3.284	3.280	3.274	3.271	3.278	3.283	3.295	3.305	3.319				
	A4	3059	3.241	3.233	3.225	3.222	3.214	3.220	3.221	3.229	3.235	3.238				
	A5	3066	3.259	3.249	3.244	3.238	3.233	3.241	3.243	3.254	3.259	3.268				
	A6	2987	3.300	3.289	3.283	3.278	3.272	3.282	3.285	3.294	3.306	3.317				
	A7	3068	3.258	3.247	3.240	3.233	3.232	3.244	3.253	3.273	3.290	3.317				
	A8	3055	3.480	3.413	3.389	3.373	3.364	3.366	3.371	3.379	3.381	3.391				
	A9	3017	3.287	3.281	3.271	3.266	3.262	3.270	3.273	3.284	3.292	3.302				
	A10	3055	3.286	3.277	3.270	3.264	3.261	3.271	3.278	3.294	3.308	3.328				
	A21	3083	3.388	3.372	3.365	3.357	3.350	3.359	3.361	3.374	3.384	3.393				
	A22	3112	3.305	3.291	3.282	3.280	3.272	3.281	3.284	3.295	3.305	3.315				
	A23	3090	3.371	3.359	3.354	3.348	3.344	3.357	3.368	3.386	3.409	3.437				
	A24	3032	3.265	3.258	3.250	3.246	3.240	3.249	3.251	3.262	3.271	3.277				
	A25	3041	3.423	3.386	3.372	3.361	3.355	3.366	3.371	3.381	3.385	3.394				
	A26	3043	3.245	3.234	3.228	3.223	3.219	3.231	3.240	3.255	3.269	3.287				
	A27	3092	3.333	3.321	3.314	3.306	3.302	3.312	3.316	3.330	3.343	3.356				
	A28	3060	3.272	3.257	3.254	3.248	3.249	3.258	3.269	3.292	3.309	3.335				
	A30	3038	3.198	3.191	3.183	3.181	3.179	3.191	3.203	3.223	3.239	3.266				
	A41	3036	3.388	3.360	3.325	3.304	3.287	3.281	3.277	3.281	3.282	3.282				
	A42	3101	3.334	3.323	3.317	3.312	3.310	3.324	3.335	3.360	3.383	3.407				
	A43	3111	3.391	3.335	3.312	3.297	3.288	3.288	3.288	3.295	3.295	3.298				
	A44	3092	3.374	3.323	3.303	3.291	3.283	3.282	3.281	3.287	3.287	3.288				
	A45	3065	3.228	3.210	3.202	3.193	3.190	3.196	3.196	3.206	3.213	3.217				
	A46	3147	3.518	3.403	3.371	3.350	3.343	3.343	3.345	3.351	3.353	3.356				
	ave	**3062**	**3.318**													

$T_S = T_{AIR} = 85°C, I_F = 1A$

$T_S \geq 83C, T_{AIR} \geq 80C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	% at 6khours
DATA SET 8: CCT = 2650K, T_J = 112C	A11	2714	144.512	143.804	142.011	142.513	141.237	139.349	141.159	138.530	137.268	136.153					**94.2**
	A12	2707	154.665	154.514	152.465	152.879	152.005	150.700	151.970	148.476	147.063	145.689					**94.2**
	A13	2715	147.593	146.693	145.005	145.598	145.132	143.100	144.262	141.535	140.252	139.040					**94.2**
	A14	2660	121.382	122.156	120.495	120.288	118.044	117.244	118.512	116.553	115.604	114.882					**94.6**
	A15	2734	147.410	146.808	144.866	144.757	142.830	142.068	143.114	140.822	140.187	139.706					**94.8**
	A16	2684	145.493	145.166	143.292	143.649	141.859	140.045	141.646	138.885	137.719	137.346					**94.4**
	A17	2696	145.481	145.596	143.944	144.704	143.127	141.429	143.206	140.329	139.199	138.177					**95.0**
	A18	2689	144.267	143.460	141.890	142.614	141.369	139.512	141.131	138.289	136.996	135.949					**94.2**
	A19	2672	137.627	138.275	135.912	136.429	134.114	131.812	132.641	129.398	127.888	126.444					**91.9**
	A20	2698	147.980	146.815	145.883	146.503	143.396	142.680	143.802	141.398	140.474	139.587					**94.3**
	A31	2702	151.433	151.672	149.766	150.694	148.184	147.332	148.636	145.465	144.082	142.356					**94.0**
	A32	2757	147.949	147.436	146.106	146.776	143.556	142.711	144.374	141.876	140.660	139.728					**94.4**
	A33	2712	151.191	150.644	149.084	149.605	146.242	145.011	146.576	143.854	142.714	141.852					**93.8**
	A34	2678	149.006	147.851	145.820	145.496	143.193	141.639	142.749	139.650	137.881	135.952					**91.2**
	A35	2720	151.467	152.266	150.724	151.209	147.673	145.697	146.525	143.440	141.634	140.159					**92.5**
	A36	2728	152.501	151.926	149.815	150.292	146.751	145.505	147.801	144.745	143.596	142.420					**93.4**
	A37	2721	149.296	148.351	146.932	147.945	144.899	143.569	144.775	141.317	139.304	137.136					**91.9**
	A38	2708	151.584	149.980	148.465	147.986	145.719	144.110	144.482	140.795	138.524	135.863					**89.6**
	A39	2694	149.988	149.273	148.080	149.157	145.958	144.305	146.038	142.524	141.075	139.439					**93.0**
	A40	2694	147.886	147.157	145.711	146.316	142.692	140.926	143.360	139.792	138.258	136.951					**92.6**
	A51	2685	145.584	145.876	144.052	144.157	141.615	139.915	141.812	138.857	137.513	135.843					**93.3**
	A52	2689	146.303	146.096	144.154	144.433	143.257	142.888	144.273	141.262	139.962	138.329					**94.5**
	A53	2709	148.948	148.730	147.013	147.593	146.973	146.152	147.517	144.798	142.592	142.456					**95.6**
	A54	2721	146.619	145.959	144.432	144.978	143.090	141.343	142.891	140.414	139.145	137.986					**94.1**
	A55	2681	139.317	139.083	137.861	139.000	137.286	135.727	137.216	134.933	133.989	133.452					**95.8**
	ave	**2703**															**93.7**
DATA SET 17: CCT = 3000K, T_J = 112C	A1	3144	162.308	163.062	161.208	161.452	159.356	158.382	158.998	157.141	155.931	155.429					**95.8**
	A2	3037	154.975	154.521	152.289	152.694	150.609	150.015	151.048	148.974	147.953	147.606					**95.2**
	A3	3025	147.830	146.187	144.740	145.602	143.755	143.665	144.776	142.118	141.192	140.587					**95.1**
	A4	3077	164.521	165.296	163.855	164.762	163.115	164.334	167.126	163.935	163.058	162.142					**98.6**
	A5	3023	158.538	158.758	157.279	157.855	156.178	155.936	156.968	153.960	152.173	151.590					**95.6**
	A6	3018	156.755	157.472	155.713	155.742	153.715	152.665	153.137	151.140	149.968	149.673					**95.5**
	A7	3083	161.132	161.976	160.194	160.300	158.317	157.479	157.981	156.128	155.060	154.635					**96.0**
	A8	3121	164.194	164.234	162.738	163.347	161.750	161.519	161.248	158.972	156.973	157.209					**95.7**
	A9	3007	158.335	158.551	157.318	158.013	156.439	156.099	157.109	154.710	153.505	153.004					**96.6**
	A10	3031	150.110	148.838	147.753	148.714	147.004	146.709	148.037	145.532	144.575	144.011					**95.9**
	A21	3011	150.693	149.566	147.400	147.898	145.838	145.396	146.786	145.069	144.277	143.955					**95.5**
	A22	2985	154.641	154.524	153.447	154.690	153.299	153.078	154.235	151.758	150.834	149.815					**96.9**
	A23	3014	153.549	153.392	152.086	152.930	151.944	150.924	152.243	149.679	148.907	148.475					**96.7**
	A24	3088	163.074	163.075	161.727	162.888	160.969	160.294	160.908	158.523	157.792	157.336					**96.5**
	A25	3059	149.066	148.828	147.914	149.667	147.733	146.286	146.959	144.660	143.914	143.558					**96.3**
	A26	2996	150.541	150.310	149.279	151.195	148.356	147.582	148.467	146.284	145.442	144.978					**96.3**
	A27	2982	151.860	151.268	150.229	151.211	149.267	148.235	148.928	146.708	145.628	145.252					**95.6**
	A28	2993	151.293	150.518	149.528	150.337	147.813	146.857	147.648	145.303	144.591	144.278					**95.4**
	A29	3061	163.929	163.957	162.773	164.695	163.283	162.685	163.641	161.260	160.272	159.603					**97.4**
	A30	2988	155.195	154.859	153.743	154.678	153.115	151.753	152.945	150.965	150.074	149.395					**96.3**
	A41	3139	162.184	161.883	160.291	160.807	158.666	158.315	159.853	157.777	156.357	156.045					**96.2**
	A43	3150	158.765	158.350	156.821	156.976	154.625	153.835	155.374	153.117	152.191	151.734					**95.6**
	A44	3130	158.520	159.007	157.768	158.798	155.566	154.486	155.945	153.537	153.212	152.902					**96.5**
	A45	3086	164.778	163.925	162.751	162.842	160.766	159.453	159.545	157.040	155.655	154.945					**94.0**
	A46	3074	163.972	163.348	161.759	161.839	159.662	158.795	159.835	157.536	156.471	155.457					**94.8**
	ave	**3053**															**96.0**

$T_S = T_{AIR} = 85°C$, $I_F = 1A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

Normalized flux

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 8: CCT = 2650K, T_J = 112C	A11	2714	1.0000	0.9951	0.9827	0.9862	0.9773	0.9643	0.9768	0.9586	0.9499	0.9422				
	A12	2707	1.0000	0.9990	0.9858	0.9884	0.9828	0.9744	0.9826	0.9600	0.9508	0.9420				
	A13	2715	1.0000	0.9939	0.9825	0.9865	0.9833	0.9696	0.9774	0.9590	0.9503	0.9421				
	A14	2660	1.0000	1.0064	0.9927	0.9910	0.9725	0.9659	0.9764	0.9602	0.9524	0.9464				
	A15	2734	1.0000	0.9959	0.9827	0.9820	0.9689	0.9638	0.9709	0.9553	0.9510	0.9477				
	A16	2684	1.0000	0.9978	0.9849	0.9873	0.9750	0.9626	0.9736	0.9546	0.9466	0.9440				
	A17	2696	1.0000	1.0008	0.9894	0.9947	0.9838	0.9722	0.9844	0.9646	0.9568	0.9498				
	A18	2689	1.0000	0.9944	0.9835	0.9885	0.9799	0.9670	0.9783	0.9586	0.9496	0.9423				
	A19	2672	1.0000	1.0047	0.9875	0.9913	0.9745	0.9577	0.9638	0.9402	0.9292	0.9187				
	A20	2698	1.0000	0.9921	0.9858	0.9900	0.9690	0.9642	0.9718	0.9555	0.9493	0.9433				
	A31	2702	1.0000	1.0016	0.9890	0.9951	0.9785	0.9729	0.9815	0.9606	0.9515	0.9401				
	A32	2757	1.0000	0.9965	0.9875	0.9921	0.9703	0.9646	0.9758	0.9589	0.9507	0.9444				
	A33	2712	1.0000	0.9964	0.9861	0.9895	0.9673	0.9591	0.9695	0.9515	0.9439	0.9382				
	A34	2678	1.0000	0.9922	0.9786	0.9764	0.9610	0.9506	0.9580	0.9372	0.9253	0.9124				
	A35	2720	1.0000	1.0053	0.9951	0.9983	0.9750	0.9619	0.9674	0.9470	0.9351	0.9253				
	A36	2728	1.0000	0.9962	0.9824	0.9855	0.9623	0.9541	0.9692	0.9491	0.9416	0.9339				
	A37	2721	1.0000	0.9937	0.9842	0.9909	0.9705	0.9616	0.9697	0.9466	0.9331	0.9185				
	A38	2708	1.0000	0.9894	0.9794	0.9763	0.9613	0.9507	0.9531	0.9288	0.9138	0.8963				
	A39	2694	1.0000	0.9952	0.9873	0.9945	0.9731	0.9621	0.9737	0.9502	0.9406	0.9297				
	A40	2694	1.0000	0.9951	0.9853	0.9894	0.9649	0.9529	0.9694	0.9453	0.9349	0.9261				
	A51	2685	1.0000	1.0020	0.9895	0.9902	0.9727	0.9611	0.9741	0.9538	0.9446	0.9331				
	A52	2689	1.0000	0.9986	0.9853	0.9872	0.9792	0.9767	0.9861	0.9655	0.9567	0.9455				
	A53	2709	1.0000	0.9985	0.9870	0.9909	0.9867	0.9812	0.9904	0.9721	0.9573	0.9564				
	A54	2721	1.0000	0.9955	0.9851	0.9888	0.9759	0.9640	0.9746	0.9577	0.9490	0.9411				
	A55	2681	1.0000	0.9983	0.9895	0.9977	0.9854	0.9742	0.9849	0.9685	0.9618	0.9579				
	ave	**2703**	**1.0000**	**0.9974**	**0.9860**	**0.9892**	**0.9741**	**0.9644**	**0.9741**	**0.9544**	**0.9450**	**0.9367**				

DATA SET 17: CCT = 3000K, T_J = 112C	A1	3144	1.0000	1.0046	0.9932	0.9947	0.9818	0.9758	0.9796	0.9682	0.9607	0.9576				
	A2	3037	1.0000	0.9971	0.9827	0.9853	0.9718	0.9680	0.9747	0.9613	0.9547	0.9524				
	A3	3025	1.0000	0.9889	0.9791	0.9849	0.9724	0.9718	0.9793	0.9614	0.9551	0.9510				
	A4	3077	1.0000	1.0047	0.9960	1.0015	0.9915	0.9989	1.0158	0.9964	0.9911	0.9855				
	A5	3023	1.0000	1.0014	0.9921	0.9957	0.9851	0.9836	0.9901	0.9711	0.9599	0.9562				
	A6	3018	1.0000	1.0046	0.9934	0.9935	0.9806	0.9739	0.9769	0.9642	0.9567	0.9548				
	A7	3083	1.0000	1.0052	0.9942	0.9948	0.9825	0.9773	0.9804	0.9689	0.9623	0.9597				
	A8	3121	1.0000	1.0002	0.9911	0.9948	0.9851	0.9837	0.9821	0.9682	0.9560	0.9575				
	A9	3007	1.0000	1.0014	0.9936	0.9980	0.9880	0.9859	0.9923	0.9771	0.9695	0.9663				
	A10	3031	1.0000	0.9915	0.9843	0.9907	0.9793	0.9773	0.9862	0.9695	0.9631	0.9594				
	A21	3011	1.0000	0.9925	0.9781	0.9815	0.9678	0.9648	0.9741	0.9627	0.9574	0.9553				
	A22	2985	1.0000	0.9992	0.9923	1.0003	0.9913	0.9899	0.9974	0.9814	0.9754	0.9688				
	A23	3014	1.0000	0.9990	0.9905	0.9960	0.9895	0.9829	0.9915	0.9748	0.9698	0.9670				
	A24	3088	1.0000	1.0000	0.9917	0.9989	0.9871	0.9830	0.9867	0.9721	0.9676	0.9648				
	A25	3059	1.0000	0.9984	0.9923	1.0040	0.9911	0.9813	0.9859	0.9704	0.9654	0.9630				
	A26	2996	1.0000	0.9985	0.9916	1.0043	0.9855	0.9803	0.9862	0.9717	0.9661	0.9630				
	A27	2982	1.0000	0.9961	0.9893	0.9957	0.9829	0.9761	0.9807	0.9661	0.9590	0.9565				
	A28	2993	1.0000	0.9949	0.9883	0.9937	0.9770	0.9707	0.9759	0.9604	0.9557	0.9536				
	A29	3061	1.0000	1.0002	0.9930	1.0047	0.9961	0.9924	0.9982	0.9837	0.9777	0.9736				
	A30	2988	1.0000	0.9978	0.9906	0.9967	0.9866	0.9778	0.9855	0.9727	0.9670	0.9626				
	A41	3139	1.0000	0.9981	0.9883	0.9915	0.9783	0.9761	0.9856	0.9728	0.9641	0.9621				
	A43	3150	1.0000	0.9974	0.9877	0.9887	0.9739	0.9689	0.9786	0.9644	0.9586	0.9557				
	A44	3130	1.0000	1.0031	0.9953	1.0018	0.9814	0.9746	0.9838	0.9686	0.9665	0.9646				
	A45	3086	1.0000	0.9948	0.9877	0.9882	0.9757	0.9677	0.9682	0.9530	0.9446	0.9403				
	A46	3074	1.0000	0.9962	0.9865	0.9870	0.9737	0.9684	0.9748	0.9608	0.9543	0.9481				
	ave	**3053**	**1.0000**	**0.9986**	**0.9897**	**0.9947**	**0.9822**	**0.9781**	**0.9844**	**0.9697**	**0.9631**	**0.9600**				

$T_S = T_{AIR} = 85°C, I_F = 1A$

$T_S \geq 83C, T_{AIR} \geq 80C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 8: CCT = 2650K, T_J = 112C	A11	2714	7.0637E-06	0.9855	0.798	48,424
	A12	2707	8.8209E-06	0.9956	0.861	39,931
	A13	2715	8.3941E-06	0.9922	0.893	41,560
	A14	2660	5.5635E-06	0.9812	0.749	60,693
	A15	2734	4.7629E-06	0.9757	0.787	69,718
	A16	2684	6.6174E-06	0.9818	0.803	51,121
	A17	2696	6.9702E-06	0.9924	0.796	50,080
	A18	2689	7.7261E-06	0.9889	0.833	44,720
	A19	2672	1.1710E-05	0.9868	0.930	29,324
	A20	2698	5.6641E-06	0.9780	0.800	59,041
	A31	2702	8.2603E-06	0.9923	0.823	42,250
	A32	2757	5.6010E-06	0.9798	0.719	60,031
	A33	2712	6.2591E-06	0.9760	0.787	53,103
	A34	2678	1.0345E-05	0.9753	0.886	32,057
	A35	2720	1.0493E-05	0.9874	0.923	32,782
	A36	2728	6.0077E-06	0.9719	0.674	54,617
	A37	2721	1.1142E-05	0.9876	0.870	30,891
	A38	2708	1.4131E-05	0.9811	0.929	23,888
	A39	2694	9.1625E-06	0.9859	0.834	37,375
	A40	2694	8.2241E-06	0.9765	0.748	40,476
	A51	2685	8.0314E-06	0.9837	0.796	42,365
	A52	2689	7.3769E-06	0.9935	0.760	47,466
	A53	2709	7.1048E-06	0.9985	0.778	49,987
	A54	2721	7.0318E-06	0.9842	0.826	48,463
	A55	2681	5.6310E-06	0.9914	0.786	61,810
	ave	**2703**	**7.9086E-06**	**0.9849**	**0.839**	**43,175**

DATA SET 17: CCT = 3000K, T_J = 112C	A1	3144	5.2362E-06	0.9885	0.891	65,914
	A2	3037	4.4585E-06	0.9789	0.772	75,224
	A3	3025	5.2011E-06	0.9829	0.717	65,251
	A4	3077	2.0732E-06	1.0038	0.136	173,844
	A5	3023	6.9064E-06	0.9981	0.790	51,365
	A6	3018	5.7101E-06	0.9873	0.906	60,233
	A7	3083	5.0259E-06	0.9891	0.896	68,783
	A8	3121	6.9213E-06	0.9959	0.886	50,933
	A9	3007	5.0478E-06	0.9973	0.771	70,118
	A10	3031	4.6827E-06	0.9885	0.689	73,699
	A21	3011	2.8547E-06	0.9733	0.560	115,477
	A22	2985	5.0121E-06	1.0014	0.733	71,439
	A23	3014	4.9376E-06	0.9963	0.772	71,480
	A24	3088	5.0355E-06	0.9942	0.859	69,678
	A25	3059	5.9472E-06	0.9967	0.891	59,413
	A26	2996	4.9654E-06	0.9926	0.828	70,326
	A27	2982	5.8453E-06	0.9902	0.880	59,336
	A28	2993	5.2481E-06	0.9834	0.848	64,775
	A29	3061	4.9566E-06	1.0042	0.813	72,801
	A30	2988	4.8398E-06	0.9920	0.822	72,037
	A41	3139	3.8199E-06	0.9863	0.612	89,750
	A43	3150	4.0351E-06	0.9804	0.681	83,492
	A44	3130	3.6214E-06	0.9856	0.679	94,488
	A45	3086	7.7868E-06	0.9846	0.949	43,818
	A46	3074	5.4910E-06	0.9820	0.832	61,644
	ave	**3053**	**5.0236E-06**	**0.9901**	**0.804**	**69,026**

$T_S = T_{AIR} = 85°C$, $I_F = 1A$

$T_S \geq 83C$, $T_{AIR} \geq 80C$ in compliance with LM-80-08

u'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 8: CCT = 2650K, T_J = 112C	A11	2714	0.2616	0.2597	0.2588	0.2580	0.2574	0.2571	0.2571	0.2573	0.2578	0.2585				
	A12	2707	0.2625	0.2607	0.2597	0.2589	0.2584	0.2582	0.2584	0.2588	0.2594	0.2602				
	A13	2715	0.2622	0.2604	0.2595	0.2588	0.2582	0.2579	0.2580	0.2583	0.2588	0.2595				
	A14	2660	0.2643	0.2626	0.2616	0.2610	0.2604	0.2601	0.2600	0.2601	0.2605	0.2609				
	A15	2734	0.2607	0.2589	0.2580	0.2571	0.2565	0.2561	0.2560	0.2560	0.2564	0.2569				
	A16	2684	0.2629	0.2611	0.2602	0.2594	0.2588	0.2585	0.2585	0.2587	0.2593	0.2597				
	A17	2696	0.2629	0.2610	0.2601	0.2593	0.2587	0.2583	0.2583	0.2586	0.2592	0.2598				
	A18	2689	0.2627	0.2608	0.2599	0.2591	0.2586	0.2584	0.2584	0.2586	0.2593	0.2599				
	A19	2672	0.2641	0.2622	0.2613	0.2604	0.2596	0.2595	0.2595	0.2597	0.2603	0.2609				
	A20	2698	0.2625	0.2608	0.2599	0.2591	0.2584	0.2581	0.2580	0.2581	0.2587	0.2593				
	A31	2702	0.2629	0.2612	0.2602	0.2594	0.2586	0.2584	0.2584	0.2588	0.2594	0.2604				
	A32	2757	0.2597	0.2579	0.2569	0.2561	0.2555	0.2553	0.2552	0.2553	0.2558	0.2565				
	A33	2712	0.2625	0.2606	0.2596	0.2589	0.2582	0.2579	0.2579	0.2581	0.2587	0.2593				
	A34	2678	0.2643	0.2624	0.2614	0.2607	0.2603	0.2601	0.2605	0.2611	0.2618	0.2630				
	A35	2720	0.2620	0.2601	0.2591	0.2583	0.2577	0.2576	0.2578	0.2582	0.2589	0.2597				
	A36	2728	0.2615	0.2597	0.2587	0.2579	0.2574	0.2572	0.2573	0.2577	0.2582	0.2590				
	A37	2721	0.2620	0.2603	0.2593	0.2586	0.2580	0.2580	0.2585	0.2591	0.2600	0.2614				
	A38	2708	0.2625	0.2605	0.2595	0.2588	0.2585	0.2586	0.2595	0.2603	0.2613	0.2630				
	A39	2694	0.2631	0.2612	0.2601	0.2594	0.2588	0.2587	0.2588	0.2593	0.2600	0.2611				
	A40	2694	0.2631	0.2612	0.2602	0.2596	0.2590	0.2591	0.2595	0.2600	0.2607	0.2616				
	A51	2685	0.2639	0.2620	0.2610	0.2603	0.2598	0.2595	0.2597	0.2601	0.2607	0.2617				
	A52	2689	0.2632	0.2614	0.2604	0.2597	0.2592	0.2589	0.2591	0.2594	0.2599	0.2609				
	A53	2709	0.2618	0.2601	0.2591	0.2582	0.2576	0.2572	0.2573	0.2575	0.2580	0.2586				
	A54	2721	0.2614	0.2596	0.2587	0.2579	0.2573	0.2571	0.2571	0.2573	0.2578	0.2584				
	A55	2681	0.2633	0.2616	0.2607	0.2599	0.2591	0.2588	0.2586	0.2587	0.2591	0.2596				
	ave	**2703**														

DATA SET 17: CCT = 3000K, T_J = 112C	A1	3144	0.2458	0.2445	0.2440	0.2434	0.2430	0.2428	0.2425	0.2427	0.2432	0.2436				
	A2	3037	0.2487	0.2475	0.2470	0.2463	0.2459	0.2457	0.2456	0.2457	0.2462	0.2466				
	A3	3025	0.2498	0.2483	0.2478	0.2471	0.2467	0.2465	0.2463	0.2464	0.2469	0.2472				
	A4	3077	0.2493	0.2482	0.2476	0.2470	0.2466	0.2464	0.2461	0.2462	0.2468	0.2472				
	A5	3023	0.2506	0.2494	0.2488	0.2481	0.2477	0.2475	0.2473	0.2475	0.2481	0.2486				
	A6	3018	0.2504	0.2491	0.2485	0.2480	0.2475	0.2474	0.2473	0.2476	0.2482	0.2486				
	A7	3083	0.2474	0.2462	0.2456	0.2451	0.2447	0.2444	0.2443	0.2445	0.2450	0.2455				
	A8	3121	0.2464	0.2453	0.2447	0.2441	0.2437	0.2435	0.2433	0.2435	0.2442	0.2445				
	A9	3007	0.2514	0.2501	0.2494	0.2489	0.2484	0.2481	0.2481	0.2483	0.2490	0.2495				
	A10	3031	0.2492	0.2480	0.2474	0.2467	0.2463	0.2460	0.2459	0.2460	0.2465	0.2468				
	A21	3011	0.2503	0.2491	0.2485	0.2480	0.2475	0.2473	0.2470	0.2471	0.2475	0.2478				
	A22	2985	0.2510	0.2498	0.2492	0.2486	0.2481	0.2478	0.2477	0.2480	0.2484	0.2489				
	A23	3014	0.2500	0.2488	0.2482	0.2478	0.2473	0.2470	0.2469	0.2472	0.2476	0.2480				
	A24	3088	0.2474	0.2462	0.2457	0.2451	0.2445	0.2443	0.2442	0.2445	0.2449	0.2452				
	A25	3059	0.2477	0.2466	0.2461	0.2455	0.2450	0.2448	0.2447	0.2448	0.2453	0.2456				
	A26	2996	0.2510	0.2498	0.2492	0.2486	0.2481	0.2480	0.2479	0.2481	0.2486	0.2490				
	A27	2982	0.2513	0.2500	0.2494	0.2489	0.2485	0.2484	0.2484	0.2487	0.2492	0.2495				
	A28	2993	0.2511	0.2500	0.2493	0.2487	0.2483	0.2482	0.2482	0.2485	0.2490	0.2492				
	A29	3061	0.2486	0.2475	0.2469	0.2462	0.2456	0.2454	0.2453	0.2456	0.2461	0.2465				
	A30	2988	0.2515	0.2503	0.2497	0.2491	0.2486	0.2484	0.2483	0.2484	0.2489	0.2493				
	A41	3139	0.2463	0.2451	0.2445	0.2439	0.2435	0.2433	0.2433	0.2435	0.2440	0.2445				
	A43	3150	0.2451	0.2441	0.2435	0.2430	0.2426	0.2424	0.2424	0.2425	0.2429	0.2433				
	A44	3130	0.2463	0.2451	0.2446	0.2440	0.2436	0.2433	0.2432	0.2434	0.2437	0.2441				
	A45	3086	0.2482	0.2471	0.2463	0.2459	0.2456	0.2457	0.2460	0.2464	0.2470	0.2475				
	A46	3074	0.2487	0.2476	0.2469	0.2463	0.2460	0.2459	0.2460	0.2462	0.2468	0.2473				
	ave	**3053**														

$T_S = T_{AIR} = 85°C, I_F = 1A$

$T_S \geq 83C, T_{AIR} \geq 80C$ in compliance with LM-80-08

v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 8: CCT = 2650K, T_J = 112C	A11	2714	0.5286	0.5282	0.5281	0.5279	0.5277	0.5277	0.5274	0.5275	0.5274	0.5275				
	A12	2707	0.5255	0.5252	0.5250	0.5248	0.5247	0.5248	0.5246	0.5247	0.5247	0.5248				
	A13	2715	0.5252	0.5249	0.5248	0.5249	0.5247	0.5246	0.5245	0.5244	0.5244	0.5245				
	A14	2660	0.5280	0.5276	0.5275	0.5276	0.5273	0.5273	0.5271	0.5271	0.5271	0.5273				
	A15	2734	0.5282	0.5279	0.5279	0.5274	0.5270	0.5269	0.5268	0.5268	0.5268	0.5270				
	A16	2684	0.5291	0.5288	0.5288	0.5287	0.5284	0.5283	0.5280	0.5281	0.5280	0.5281				
	A17	2696	0.5264	0.5261	0.5260	0.5261	0.5258	0.5259	0.5257	0.5257	0.5257	0.5258				
	A18	2689	0.5291	0.5287	0.5287	0.5287	0.5285	0.5286	0.5283	0.5284	0.5283	0.5284				
	A19	2672	0.5262	0.5260	0.5260	0.5258	0.5257	0.5257	0.5256	0.5256	0.5256	0.5256				
	A20	2698	0.5279	0.5275	0.5276	0.5274	0.5270	0.5270	0.5269	0.5269	0.5269	0.5270				
	A31	2702	0.5250	0.5247	0.5247	0.5249	0.5248	0.5247	0.5246	0.5246	0.5245	0.5246				
	A32	2757	0.5280	0.5277	0.5277	0.5275	0.5270	0.5270	0.5268	0.5269	0.5269	0.5270				
	A33	2712	0.5244	0.5240	0.5239	0.5240	0.5237	0.5238	0.5236	0.5237	0.5236	0.5238				
	A34	2678	0.5234	0.5230	0.5228	0.5225	0.5224	0.5224	0.5222	0.5223	0.5222	0.5224				
	A35	2720	0.5251	0.5248	0.5247	0.5246	0.5245	0.5246	0.5245	0.5245	0.5244	0.5246				
	A36	2728	0.5255	0.5251	0.5251	0.5253	0.5249	0.5249	0.5247	0.5248	0.5248	0.5249				
	A37	2721	0.5246	0.5241	0.5240	0.5239	0.5239	0.5239	0.5238	0.5238	0.5238	0.5240				
	A38	2708	0.5254	0.5247	0.5245	0.5243	0.5242	0.5242	0.5241	0.5242	0.5242	0.5244				
	A39	2694	0.5258	0.5251	0.5250	0.5251	0.5247	0.5247	0.5245	0.5245	0.5245	0.5247				
	A40	2694	0.5256	0.5250	0.5250	0.5251	0.5250	0.5251	0.5249	0.5250	0.5249	0.5251				
	A51	2685	0.5238	0.5233	0.5232	0.5234	0.5232	0.5232	0.5230	0.5231	0.5231	0.5232				
	A52	2689	0.5264	0.5260	0.5259	0.5258	0.5257	0.5258	0.5257	0.5257	0.5256	0.5257				
	A53	2709	0.5286	0.5283	0.5282	0.5278	0.5276	0.5278	0.5276	0.5277	0.5276	0.5277				
	A54	2721	0.5278	0.5275	0.5275	0.5274	0.5271	0.5272	0.5270	0.5270	0.5270	0.5271				
	A55	2681	0.5279	0.5276	0.5277	0.5277	0.5271	0.5271	0.5270	0.5269	0.5269	0.5270				
	ave	**2703**														

DATA SET 17: CCT = 3000K, T_J = 112C	A1	3144	0.5183	0.5179	0.5179	0.5171	0.5166	0.5166	0.5163	0.5163	0.5165	0.5167				
	A2	3037	0.5228	0.5224	0.5222	0.5216	0.5212	0.5212	0.5209	0.5210	0.5210	0.5212				
	A3	3025	0.5207	0.5202	0.5202	0.5196	0.5191	0.5191	0.5189	0.5189	0.5189	0.5191				
	A4	3077	0.5147	0.5142	0.5141	0.5133	0.5128	0.5129	0.5128	0.5130	0.5131	0.5133				
	A5	3023	0.5177	0.5172	0.5172	0.5165	0.5159	0.5159	0.5156	0.5157	0.5158	0.5160				
	A6	3018	0.5194	0.5190	0.5188	0.5183	0.5179	0.5179	0.5176	0.5177	0.5178	0.5179				
	A7	3083	0.5208	0.5204	0.5202	0.5197	0.5192	0.5192	0.5189	0.5190	0.5191	0.5192				
	A8	3121	0.5192	0.5188	0.5186	0.5181	0.5177	0.5177	0.5174	0.5176	0.5176	0.5178				
	A9	3007	0.5171	0.5167	0.5165	0.5160	0.5157	0.5156	0.5155	0.5155	0.5156	0.5158				
	A10	3031	0.5220	0.5216	0.5216	0.5211	0.5206	0.5206	0.5204	0.5204	0.5204	0.5206				
	A21	3011	0.5208	0.5204	0.5206	0.5201	0.5196	0.5196	0.5193	0.5193	0.5194	0.5195				
	A22	2985	0.5221	0.5218	0.5218	0.5215	0.5211	0.5213	0.5209	0.5211	0.5211	0.5213				
	A23	3014	0.5213	0.5210	0.5210	0.5208	0.5204	0.5206	0.5203	0.5205	0.5205	0.5206				
	A24	3088	0.5203	0.5201	0.5202	0.5197	0.5192	0.5192	0.5189	0.5190	0.5190	0.5192				
	A25	3059	0.5231	0.5229	0.5230	0.5228	0.5221	0.5221	0.5218	0.5219	0.5219	0.5220				
	A26	2996	0.5204	0.5201	0.5202	0.5201	0.5195	0.5196	0.5192	0.5193	0.5193	0.5195				
	A27	2982	0.5214	0.5210	0.5209	0.5210	0.5207	0.5207	0.5205	0.5206	0.5206	0.5208				
	A28	2993	0.5203	0.5202	0.5200	0.5195	0.5191	0.5191	0.5189	0.5189	0.5190	0.5191				
	A29	3061	0.5195	0.5195	0.5195	0.5187	0.5183	0.5183	0.5181	0.5182	0.5183	0.5185				
	A30	2988	0.5194	0.5191	0.5191	0.5187	0.5183	0.5185	0.5182	0.5182	0.5183	0.5185				
	A41	3139	0.5172	0.5167	0.5166	0.5159	0.5154	0.5153	0.5151	0.5151	0.5152	0.5154				
	A43	3150	0.5198	0.5193	0.5193	0.5185	0.5181	0.5181	0.5178	0.5179	0.5178	0.5181				
	A44	3130	0.5185	0.5181	0.5182	0.5175	0.5169	0.5168	0.5166	0.5166	0.5166	0.5168				
	A45	3086	0.5174	0.5169	0.5164	0.5159	0.5156	0.5156	0.5155	0.5156	0.5156	0.5158				
	A46	3074	0.5172	0.5167	0.5164	0.5157	0.5153	0.5153	0.5151	0.5152	0.5152	0.5154				
	ave	**3053**														

$T_S = T_{AIR} = 85°C, I_F = 1A$

$T_S \geq 83C, T_{AIR} \geq 80C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 8: CCT = 2650K, T_J = 112C	A11	2714	0.0000	0.0019	0.0028	0.0037	0.0043	0.0046	0.0047	0.0044	0.0040	0.0033				
	A12	2707	0.0000	0.0018	0.0028	0.0037	0.0042	0.0044	0.0042	0.0038	0.0032	0.0024				
	A13	2715	0.0000	0.0018	0.0027	0.0034	0.0040	0.0043	0.0043	0.0040	0.0035	0.0028				
	A14	2660	0.0000	0.0017	0.0027	0.0033	0.0040	0.0043	0.0044	0.0043	0.0039	0.0035				
	A15	2734	0.0000	0.0018	0.0027	0.0037	0.0044	0.0048	0.0049	0.0049	0.0045	0.0040				
	A16	2684	0.0000	0.0018	0.0027	0.0035	0.0042	0.0045	0.0045	0.0043	0.0038	0.0034				
	A17	2696	0.0000	0.0019	0.0028	0.0036	0.0042	0.0046	0.0047	0.0044	0.0038	0.0032				
	A18	2689	0.0000	0.0019	0.0028	0.0036	0.0041	0.0043	0.0044	0.0042	0.0035	0.0029				
	A19	2672	0.0000	0.0019	0.0028	0.0037	0.0045	0.0046	0.0046	0.0044	0.0038	0.0033				
	A20	2698	0.0000	0.0017	0.0026	0.0034	0.0042	0.0045	0.0046	0.0045	0.0039	0.0033				
	A31	2702	0.0000	0.0017	0.0027	0.0035	0.0043	0.0045	0.0045	0.0041	0.0035	0.0025				
	A32	2757	0.0000	0.0018	0.0028	0.0036	0.0043	0.0045	0.0047	0.0045	0.0041	0.0034				
	A33	2712	0.0000	0.0019	0.0029	0.0036	0.0044	0.0046	0.0047	0.0045	0.0039	0.0033				
	A34	2678	0.0000	0.0019	0.0030	0.0037	0.0041	0.0043	0.0040	0.0034	0.0028	0.0016				
	A35	2720	0.0000	0.0019	0.0029	0.0037	0.0043	0.0044	0.0042	0.0038	0.0032	0.0024				
	A36	2728	0.0000	0.0018	0.0028	0.0036	0.0041	0.0043	0.0043	0.0039	0.0034	0.0026				
	A37	2721	0.0000	0.0018	0.0028	0.0035	0.0041	0.0041	0.0036	0.0030	0.0022	0.0008				
	A38	2708	0.0000	0.0021	0.0031	0.0039	0.0042	0.0041	0.0033	0.0025	0.0017	0.0011				
	A39	2694	0.0000	0.0020	0.0031	0.0038	0.0044	0.0045	0.0045	0.0040	0.0034	0.0023				
	A40	2694	0.0000	0.0020	0.0030	0.0035	0.0041	0.0040	0.0037	0.0032	0.0025	0.0016				
	A51	2685	0.0000	0.0020	0.0030	0.0036	0.0041	0.0044	0.0043	0.0039	0.0033	0.0023				
	A52	2689	0.0000	0.0018	0.0028	0.0036	0.0041	0.0043	0.0042	0.0039	0.0034	0.0024				
	A53	2709	0.0000	0.0017	0.0027	0.0037	0.0043	0.0047	0.0046	0.0044	0.0039	0.0033				
	A54	2721	0.0000	0.0018	0.0027	0.0035	0.0042	0.0043	0.0044	0.0042	0.0037	0.0031				
	A55	2681	0.0000	0.0017	0.0026	0.0034	0.0043	0.0046	0.0048	0.0047	0.0043	0.0038				
	ave	**2703**	**0.0000**	**0.0019**	**0.0028**	**0.0036**	**0.0042**	**0.0044**	**0.0044**	**0.0040**	**0.0035**	**0.0027**				
DATA SET 17: CCT = 3000K, T_J = 112C	A1	3144	0.0000	0.0014	0.0018	0.0027	0.0033	0.0034	0.0039	0.0037	0.0032	0.0027				
	A2	3037	0.0000	0.0013	0.0018	0.0027	0.0032	0.0034	0.0036	0.0035	0.0031	0.0026				
	A3	3025	0.0000	0.0016	0.0021	0.0029	0.0035	0.0037	0.0039	0.0038	0.0034	0.0031				
	A4	3077	0.0000	0.0012	0.0018	0.0027	0.0033	0.0034	0.0037	0.0035	0.0030	0.0025				
	A5	3023	0.0000	0.0013	0.0019	0.0028	0.0034	0.0036	0.0039	0.0037	0.0031	0.0026				
	A6	3018	0.0000	0.0014	0.0020	0.0026	0.0033	0.0034	0.0036	0.0033	0.0027	0.0023				
	A7	3083	0.0000	0.0013	0.0019	0.0025	0.0031	0.0034	0.0036	0.0034	0.0029	0.0025				
	A8	3121	0.0000	0.0012	0.0018	0.0025	0.0031	0.0033	0.0036	0.0033	0.0027	0.0024				
	A9	3007	0.0000	0.0014	0.0021	0.0027	0.0033	0.0036	0.0037	0.0035	0.0028	0.0023				
	A10	3031	0.0000	0.0013	0.0018	0.0027	0.0032	0.0035	0.0037	0.0036	0.0031	0.0028				
	A21	3011	0.0000	0.0013	0.0018	0.0024	0.0030	0.0032	0.0036	0.0035	0.0031	0.0028				
	A22	2985	0.0000	0.0012	0.0018	0.0025	0.0031	0.0033	0.0035	0.0032	0.0028	0.0022				
	A23	3014	0.0000	0.0012	0.0018	0.0023	0.0028	0.0031	0.0033	0.0029	0.0025	0.0021				
	A24	3088	0.0000	0.0012	0.0017	0.0024	0.0031	0.0033	0.0035	0.0032	0.0028	0.0025				
	A25	3059	0.0000	0.0011	0.0016	0.0022	0.0029	0.0031	0.0033	0.0031	0.0027	0.0024				
	A26	2996	0.0000	0.0012	0.0018	0.0024	0.0030	0.0031	0.0033	0.0031	0.0026	0.0022				
	A27	2982	0.0000	0.0014	0.0020	0.0024	0.0029	0.0030	0.0030	0.0027	0.0022	0.0019				
	A28	2993	0.0000	0.0011	0.0018	0.0025	0.0030	0.0031	0.0032	0.0030	0.0025	0.0022				
	A29	3061	0.0000	0.0011	0.0017	0.0025	0.0032	0.0034	0.0036	0.0033	0.0028	0.0023				
	A30	2988	0.0000	0.0012	0.0018	0.0025	0.0031	0.0032	0.0034	0.0033	0.0028	0.0024				
	A41	3139	0.0000	0.0013	0.0019	0.0027	0.0033	0.0036	0.0037	0.0035	0.0030	0.0025				
	A43	3150	0.0000	0.0011	0.0017	0.0025	0.0030	0.0032	0.0034	0.0032	0.0030	0.0025				
	A44	3130	0.0000	0.0013	0.0017	0.0025	0.0031	0.0034	0.0036	0.0035	0.0032	0.0028				
	A45	3086	0.0000	0.0012	0.0021	0.0027	0.0032	0.0031	0.0029	0.0025	0.0022	0.0017				
	A46	3074	0.0000	0.0012	0.0020	0.0028	0.0033	0.0034	0.0034	0.0032	0.0028	0.0023				
	ave	**3053**	**0.0000**	**0.0013**	**0.0019**	**0.0026**	**0.0032**	**0.0033**	**0.0035**	**0.0033**	**0.0028**	**0.0024**				

$T_S = T_{AIR} = 85°C, I_F = 1A$

$T_S \geq 83C, T_{AIR} \geq 80C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 8: CCT = 2650K, T_J = 112C	A11	2714	3.262	3.254	3.247	3.262	3.315	3.411	3.429	3.426	3.438	3.441				
	A12	2707	3.334	3.325	3.319	3.345	3.453	3.612	3.637	3.633	3.648	3.651				
	A13	2715	3.183	3.176	3.172	3.196	3.292	3.421	3.441	3.436	3.447	3.453				
	A14	2660	3.500	3.463	3.428	3.435	3.450	3.475	3.490	3.495	3.510	3.511				
	A15	2734	3.346	3.321	3.311	3.321	3.326	3.334	3.338	3.340	3.346	3.349				
	A16	2684	3.279	3.268	3.266	3.296	3.392	3.441	3.457	3.457	3.468	3.470				
	A17	2696	3.356	3.348	3.341	3.382	3.507	3.561	3.580	3.589	3.611	3.620				
	A18	2689	3.210	3.203	3.202	3.245	3.390	3.440	3.451	3.445	3.453	3.454				
	A19	2672	3.424	3.409	3.408	3.491	3.743	3.767	3.775	3.768	3.776	3.771				
	A20	2698	3.240	3.229	3.228	3.303	3.356	3.369	3.381	3.381	3.392	3.389				
	A31	2702	3.370	3.353	3.353	3.452	3.771	3.797	3.826	3.816	3.824	3.823				
	A32	2757	3.276	3.265	3.263	3.323	3.379	3.390	3.401	3.402	3.407	3.409				
	A33	2712	3.239	3.227	3.222	3.261	3.373	3.389	3.404	3.404	3.412	3.416				
	A34	2678	3.395	3.341	3.325	3.339	3.339	3.345	3.348	3.349	3.354	3.354				
	A35	2720	3.397	3.383	3.378	3.454	3.611	3.627	3.637	3.634	3.636	3.631				
	A36	2728	3.267	3.256	3.250	3.299	3.377	3.390	3.399	3.401	3.404	3.408				
	A37	2721	3.183	3.175	3.175	3.241	3.404	3.423	3.437	3.440	3.446	3.447				
	A38	2708	3.540	3.431	3.403	3.427	3.432	3.442	3.445	3.448	3.453	3.455				
	A39	2694	3.184	3.172	3.169	3.227	3.383	3.405	3.415	3.426	3.435	3.439				
	A40	2694	3.235	3.219	3.214	3.281	3.406	3.426	3.429	3.436	3.439	3.437				
	A51	2685	3.458	3.445	3.439	3.476	3.665	3.770	3.810	3.806	3.810	3.812				
	A52	2689	3.291	3.285	3.279	3.294	3.347	3.535	3.557	3.562	3.568	3.573				
	A53	2709	3.323	3.316	3.309	3.331	3.429	3.594	3.615	3.620	3.622	3.625				
	A54	2721	3.254	3.246	3.241	3.278	3.390	3.421	3.435	3.438	3.439	3.444				
	A55	2681	3.215	3.204	3.202	3.248	3.410	3.447	3.465	3.472	3.477	3.482				
	ave	**2703**	**3.310**													

DATA SET 17: CCT = 3000K, T_J = 112C	A1	3144	3.374	3.352	3.329	3.324	3.314	3.333	3.351	3.360	3.374	3.378				
	A2	3037	3.400	3.382	3.345	3.330	3.316	3.327	3.339	3.348	3.360	3.363				
	A3	3025	3.550	3.522	3.475	3.464	3.459	3.480	3.497	3.503	3.517	3.520				
	A4	3077	3.234	3.219	3.215	3.224	3.234	3.311	3.415	3.445	3.462	3.467				
	A5	3023	3.193	3.187	3.179	3.182	3.182	3.214	3.261	3.314	3.334	3.338				
	A6	3018	3.407	3.385	3.363	3.356	3.351	3.380	3.400	3.411	3.425	3.430				
	A7	3083	3.433	3.415	3.392	3.388	3.387	3.421	3.438	3.445	3.462	3.465				
	A8	3121	3.244	3.239	3.231	3.239	3.251	3.328	3.401	3.417	3.436	3.441				
	A9	3007	3.408	3.371	3.351	3.349	3.359	3.403	3.427	3.437	3.457	3.464				
	A10	3031	3.523	3.505	3.470	3.464	3.459	3.487	3.499	3.509	3.527	3.530				
	A21	3011	3.477	3.446	3.406	3.418	3.444	3.463	3.478	3.480	3.491	3.495				
	A22	2985	3.328	3.319	3.314	3.354	3.500	3.557	3.572	3.565	3.578	3.583				
	A23	3014	3.311	3.302	3.296	3.328	3.462	3.532	3.554	3.553	3.565	3.572				
	A24	3088	3.414	3.405	3.398	3.463	3.614	3.636	3.651	3.650	3.660	3.661				
	A25	3059	3.235	3.228	3.224	3.265	3.412	3.443	3.457	3.459	3.467	3.472				
	A26	2996	3.230	3.224	3.220	3.277	3.441	3.458	3.469	3.470	3.475	3.475				
	A27	2982	3.263	3.252	3.248	3.300	3.423	3.441	3.450	3.451	3.456	3.458				
	A28	2993	3.338	3.334	3.328	3.390	3.431	3.449	3.457	3.459	3.467	3.470				
	A29	3061	3.381	3.372	3.367	3.447	3.633	3.655	3.666	3.671	3.684	3.687				
	A30	2988	3.282	3.271	3.263	3.295	3.388	3.449	3.457	3.467	3.477	3.482				
	A41	3139	3.463	3.393	3.368	3.379	3.383	3.387	3.390	3.391	3.390	3.392				
	A43	3150	3.382	3.349	3.319	3.335	3.353	3.370	3.380	3.386	3.390	3.395				
	A44	3130	3.217	3.210	3.207	3.248	3.325	3.339	3.352	3.355	3.359	3.361				
	A45	3086	3.539	3.428	3.397	3.413	3.423	3.430	3.437	3.443	3.447	3.452				
	A46	3074	3.510	3.411	3.382	3.397	3.404	3.413	3.417	3.424	3.429	3.432				
	ave	**3053**	**3.365**													

$T_S = T_{AIR} = 105°C$, $I_F = 1A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

Lumen Data

		CCT														Lumen Maintenance
		(t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	% at 6khours
DATA SET 7: CCT = 2650K, T_J = 131C	A11	2672	141.997	140.939	140.512	139.142	136.201	132.981	134.139	131.197	129.400	128.459					**90.5**
	A12	2736	148.341	147.019	147.250	146.250	143.126	140.047	139.861	136.961	135.582	134.659					**90.8**
	A13	2700	143.891	142.839	143.508	141.661	138.339	134.592	134.378	130.919	129.724	127.732					**88.8**
	A14	2662	144.088	142.264	141.482	140.149	136.778	133.333	134.095	130.149	128.453	126.407					**87.7**
	A15	2675	141.245	140.654	141.138	138.731	135.817	132.811	132.021	128.169	127.377	125.893					**89.1**
	A16	2709	147.283	146.145	146.554	144.682	141.318	137.887	137.670	134.917	133.782	132.626					**90.0**
	A17	2685	155.887	155.425	155.756	155.077	150.966	146.030	145.017	142.096	141.392	140.272					**90.0**
	A18	2713	148.388	146.913	147.387	145.505	141.576	136.910	135.822	131.506	129.811	127.367					**85.8**
	A19	2613	138.651	139.188	138.221	135.900	132.811	130.696	130.189	126.355	124.788	123.345					**89.0**
	A20	2699	148.677	148.019	147.608	146.671	143.304	141.143	141.122	137.704	136.151	135.053					**90.8**
	A31	2718	154.263	154.523	154.457	152.537	148.687	144.211	144.037	140.046	138.414	136.950					**88.8**
	A32	2723	155.756	155.182	155.896	153.945	148.721	143.195	143.197	137.579	135.142	132.200					**84.9**
	A33	2737	149.794	148.954	149.111	145.909	142.671	139.147	140.211	137.111	135.502	133.823					**89.3**
	A34	2734	146.900	145.825	144.483	143.680	140.638	137.908	138.074	134.614	132.797	129.342					**88.0**
	A35	2701	152.664	153.235	152.811	150.604	147.066	142.956	142.296	138.589	137.121	135.171					**88.5**
	A36	2702	152.580	151.268	151.863	149.202	145.586	142.155	142.763	139.345	138.002	136.709					**89.6**
	A37	2707	151.869	151.151	151.860	148.765	144.859	141.136	141.122	138.176	136.979	134.899					**88.8**
	A38	2728	145.770	145.198	144.580	143.522	139.945	136.224	136.782	132.745	131.440	127.224					**87.3**
	A39	2695	152.757	152.177	152.583	149.499	146.292	143.460	143.234	139.854	138.396	137.319					**89.9**
	A40	2725	152.668	151.674	152.005	148.799	143.782	138.716	139.880	134.179	132.913	128.171					**84.0**
	A51	2649	141.269	140.812	140.680	138.893	135.706	133.038	132.361	130.199	128.795	127.438					**90.2**
	A52	2686	143.639	142.723	142.559	140.501	137.668	134.895	135.535	132.686	131.211	130.136					**90.6**
	A53	2713	142.064	141.256	142.028	140.041	137.137	134.523	134.790	131.540	130.048	128.657					**90.6**
	A54	2697	145.031	144.102	143.881	142.605	139.199	135.988	135.929	132.498	131.490	129.494					**89.3**
	A55	2721	149.368	148.612	148.905	148.123	144.624	140.724	140.794	137.996	136.566	135.189					**90.5**
	ave	**2700**															**88.9**
DATA SET 16: CCT = 3000K, T_J = 131C	A1	3005	152.393	152.354	151.613	153.329	149.648	147.184	146.872	145.195	143.548	143.144					**93.9**
	A2	3049	132.980	129.901	129.144	129.465	127.417	125.096	124.257	122.552	120.593	119.491					**89.9**
	A3	3112	161.403	160.972	160.657	162.711	158.229	155.410	155.109	152.819	150.892	149.912					**92.9**
	A4	3074	158.651	159.132	158.424	158.422	155.127	152.631	152.334	150.188	147.917	146.910					**92.6**
	A5	3079	159.814	160.936	160.158	160.322	157.353	154.806	154.360	152.338	150.256	149.616					**93.6**
	A6	3014	161.665	161.608	160.975	161.496	157.995	154.932	154.070	151.625	149.630	148.897					**92.1**
	A7	3130	159.096	158.456	158.335	157.825	154.464	150.826	151.331	148.985	147.332	146.331					**92.0**
	A8	3034	150.314	148.795	148.836	149.263	146.687	143.306	142.914	139.813	138.335	136.923					**91.1**
	A9	2992	156.330	156.140	156.009	156.674	153.799	150.183	149.749	147.246	145.526	143.487					**91.8**
	A10	3032	157.449	157.020	156.621	158.252	152.896	149.869	149.576	147.268	145.709	144.876					**92.0**
	A21	3069	154.656	154.378	155.576	154.853	152.344	149.938	150.676	148.510	146.282	145.614					**94.2**
	A22	2977	125.631	126.960	126.389	125.745	123.707	122.002	122.501	120.485	118.586	117.966					**93.9**
	A23	3104	158.777	157.920	158.857	158.227	155.124	152.191	151.774	149.627	147.764	147.135					**92.7**
	A24	2987	154.443	153.003	152.401	152.422	149.173	146.536	146.316	143.966	142.129	141.291					**91.5**
	A25	2998	154.247	153.675	154.410	154.992	152.032	149.292	149.039	146.566	144.766	144.246					**93.5**
	A26	3033	161.824	161.538	163.247	162.704	159.368	155.882	155.072	152.308	150.556	149.699					**92.5**
	A27	3057	150.712	149.870	151.035	149.269	146.335	143.407	142.887	140.151	137.809	136.641					**90.7**
	A28	3015	150.007	149.071	150.405	148.643	145.749	142.727	142.709	139.686	137.585	136.309					**90.9**
	A29	3019	155.513	154.410	155.297	154.007	150.988	148.392	148.309	145.550	143.945	143.283					**92.1**
	A30	3097	152.542	152.293	152.639	152.701	149.699	147.478	147.266	144.707	143.109	142.449					**93.4**
	A41	3086	163.692	163.643	164.205	162.533	158.707	155.211	154.971	152.641	150.981	150.655					**92.0**
	A42	3147	160.481	159.473	158.641	158.474	155.275	152.771	152.528	149.930	147.203	146.296					**91.2**
	A43	3122	165.080	164.501	163.414	163.453	160.180	158.020	158.777	156.323	153.525	153.286					**92.9**
	A44	3123	162.071	161.856	162.731	160.021	156.487	153.738	153.755	150.828	148.081	146.806					**90.6**
	A45	3112	159.192	158.724	158.080	157.566	154.375	151.761	152.271	149.454	146.965	145.998					**91.7**
	ave	**3059**															**92.2**

$T_S = T_{AIR} = 105°C$, $I_F = 1A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

Normalized flux

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 7: CCT = 2650K, T_J = 131C	A11	2672	1.0000	0.9926	0.9895	0.9799	0.9592	0.9365	0.9447	0.9239	0.9113	0.9047				
	A12	2736	1.0000	0.9911	0.9926	0.9859	0.9648	0.9441	0.9428	0.9233	0.9140	0.9078				
	A13	2700	1.0000	0.9927	0.9973	0.9845	0.9614	0.9354	0.9339	0.9099	0.9015	0.8877				
	A14	2662	1.0000	0.9873	0.9819	0.9727	0.9493	0.9254	0.9306	0.9033	0.8915	0.8773				
	A15	2675	1.0000	0.9958	0.9992	0.9822	0.9616	0.9403	0.9347	0.9074	0.9018	0.8913				
	A16	2709	1.0000	0.9923	0.9951	0.9823	0.9595	0.9362	0.9347	0.9160	0.9083	0.9005				
	A17	2685	1.0000	0.9970	0.9992	0.9948	0.9684	0.9368	0.9303	0.9115	0.9070	0.8998				
	A18	2713	1.0000	0.9901	0.9933	0.9806	0.9541	0.9226	0.9153	0.8862	0.8748	0.8583				
	A19	2613	1.0000	1.0039	0.9969	0.9802	0.9579	0.9426	0.9390	0.9113	0.9000	0.8896				
	A20	2699	1.0000	0.9956	0.9928	0.9865	0.9639	0.9493	0.9492	0.9262	0.9158	0.9084				
	A31	2718	1.0000	1.0017	1.0013	0.9888	0.9639	0.9348	0.9337	0.9078	0.8973	0.8878				
	A32	2723	1.0000	0.9963	1.0009	0.9884	0.9548	0.9194	0.9194	0.8833	0.8677	0.8488				
	A33	2737	1.0000	0.9944	0.9954	0.9741	0.9524	0.9289	0.9360	0.9153	0.9046	0.8934				
	A34	2734	1.0000	0.9927	0.9835	0.9781	0.9574	0.9388	0.9399	0.9164	0.9040	0.8805				
	A35	2701	1.0000	1.0037	1.0010	0.9865	0.9633	0.9364	0.9321	0.9078	0.8982	0.8854				
	A36	2702	1.0000	0.9914	0.9953	0.9779	0.9542	0.9317	0.9357	0.9133	0.9045	0.8960				
	A37	2707	1.0000	0.9953	0.9999	0.9796	0.9538	0.9293	0.9292	0.9098	0.9020	0.8883				
	A38	2728	1.0000	0.9961	0.9918	0.9846	0.9600	0.9345	0.9383	0.9106	0.9017	0.8728				
	A39	2695	1.0000	0.9962	0.9989	0.9787	0.9577	0.9391	0.9377	0.9155	0.9060	0.8989				
	A40	2725	1.0000	0.9935	0.9957	0.9747	0.9418	0.9086	0.9162	0.8789	0.8706	0.8395				
	A51	2649	1.0000	0.9968	0.9958	0.9832	0.9606	0.9417	0.9369	0.9216	0.9117	0.9021				
	A52	2686	1.0000	0.9936	0.9925	0.9782	0.9584	0.9391	0.9436	0.9237	0.9135	0.9060				
	A53	2713	1.0000	0.9943	0.9997	0.9858	0.9653	0.9469	0.9488	0.9259	0.9154	0.9056				
	A54	2697	1.0000	0.9936	0.9921	0.9833	0.9598	0.9376	0.9372	0.9136	0.9066	0.8929				
	A55	2721	1.0000	0.9949	0.9969	0.9917	0.9682	0.9421	0.9426	0.9239	0.9143	0.9051				
	ave	**2700**	**1.0000**	**0.9949**	**0.9951**	**0.9825**	**0.9589**	**0.9351**	**0.9353**	**0.9115**	**0.9018**	**0.8891**				

DATA SET 16: CCT = 3000K, T_J = 131C	A1	3005	1.0000	0.9997	0.9949	1.0061	0.9820	0.9658	0.9638	0.9528	0.9420	0.9393				
	A2	3049	1.0000	0.9768	0.9712	0.9736	0.9582	0.9407	0.9344	0.9216	0.9069	0.8986				
	A3	3112	1.0000	0.9973	0.9954	1.0081	0.9803	0.9629	0.9610	0.9468	0.9349	0.9288				
	A4	3074	1.0000	1.0030	0.9986	0.9986	0.9778	0.9621	0.9602	0.9467	0.9323	0.9260				
	A5	3079	1.0000	1.0070	1.0022	1.0032	0.9846	0.9687	0.9659	0.9532	0.9402	0.9362				
	A6	3014	1.0000	0.9996	0.9957	0.9990	0.9773	0.9584	0.9530	0.9379	0.9256	0.9210				
	A7	3130	1.0000	0.9960	0.9952	0.9920	0.9709	0.9480	0.9512	0.9364	0.9261	0.9198				
	A8	3034	1.0000	0.9899	0.9902	0.9930	0.9759	0.9534	0.9508	0.9301	0.9203	0.9109				
	A9	2992	1.0000	0.9988	0.9980	1.0022	0.9838	0.9607	0.9579	0.9419	0.9309	0.9179				
	A10	3032	1.0000	0.9973	0.9947	1.0051	0.9711	0.9519	0.9500	0.9353	0.9254	0.9201				
	A21	3069	1.0000	0.9982	1.0059	1.0013	0.9851	0.9695	0.9743	0.9603	0.9459	0.9415				
	A22	2977	1.0000	1.0106	1.0060	1.0009	0.9847	0.9711	0.9751	0.9590	0.9439	0.9390				
	A23	3104	1.0000	0.9946	1.0005	0.9965	0.9770	0.9585	0.9559	0.9424	0.9306	0.9267				
	A24	2987	1.0000	0.9907	0.9868	0.9869	0.9659	0.9488	0.9474	0.9322	0.9203	0.9148				
	A25	2998	1.0000	0.9963	1.0011	1.0048	0.9856	0.9679	0.9662	0.9502	0.9385	0.9352				
	A26	3033	1.0000	0.9982	1.0088	1.0054	0.9848	0.9633	0.9583	0.9412	0.9304	0.9251				
	A27	3057	1.0000	0.9944	1.0021	0.9904	0.9710	0.9515	0.9481	0.9299	0.9144	0.9066				
	A28	3015	1.0000	0.9938	1.0027	0.9909	0.9716	0.9515	0.9514	0.9312	0.9172	0.9087				
	A29	3019	1.0000	0.9929	0.9986	0.9903	0.9709	0.9542	0.9537	0.9359	0.9256	0.9214				
	A30	3097	1.0000	0.9984	1.0006	1.0010	0.9814	0.9668	0.9654	0.9486	0.9382	0.9338				
	A41	3086	1.0000	0.9997	1.0031	0.9929	0.9695	0.9482	0.9467	0.9325	0.9224	0.9204				
	A42	3147	1.0000	0.9937	0.9885	0.9875	0.9676	0.9520	0.9504	0.9343	0.9173	0.9116				
	A43	3122	1.0000	0.9965	0.9899	0.9901	0.9703	0.9572	0.9618	0.9470	0.9300	0.9286				
	A44	3123	1.0000	0.9987	1.0041	0.9873	0.9655	0.9486	0.9487	0.9306	0.9137	0.9058				
	A45	3112	1.0000	0.9971	0.9930	0.9898	0.9697	0.9533	0.9565	0.9388	0.9232	0.9171				
	ave	**3059**	**1.0000**	**0.9968**	**0.9971**	**0.9959**	**0.9753**	**0.9574**	**0.9563**	**0.9407**	**0.9278**	**0.9222**				

$T_S = T_{AIR} = 105°C$, $I_F = 1A$
$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

TM-21 extrapolation

		CCT (t=0)	alpha	B	r2	L70
DATA SET 7: CCT = 2650K, T_J = 131C	A11	2672	1.1334E-05	0.9675	0.911	28,552
	A12	2736	1.2088E-05	0.9729	0.961	27,234
	A13	2700	1.5299E-05	0.9720	0.967	21,456
	A14	2662	1.5314E-05	0.9628	0.946	20,815
	A15	2675	1.5266E-05	0.9732	0.965	21,582
	A16	2709	1.2236E-05	0.9662	0.957	26,337
	A17	2685	1.3844E-05	0.9713	0.917	23,661
	A18	2713	2.0596E-05	0.9687	0.978	15,774
	A19	2613	1.5381E-05	0.9741	0.970	21,485
	A20	2699	1.2258E-05	0.9762	0.960	27,135
	A31	2718	1.6067E-05	0.9738	0.958	20,545
	A32	2723	2.2928E-05	0.9732	0.968	14,372
	A33	2737	1.2060E-05	0.9613	0.926	26,303
	A34	2734	1.5922E-05	0.9753	0.952	20,832
	A35	2701	1.6374E-05	0.9744	0.973	20,201
	A36	2702	1.2222E-05	0.9626	0.940	26,068
	A37	2707	1.3341E-05	0.9624	0.962	23,862
	A38	2728	1.7535E-05	0.9774	0.939	19,038
	A39	2695	1.2805E-05	0.9680	0.966	25,316
	A40	2725	2.1271E-05	0.9609	0.932	14,894
	A51	2649	1.2228E-05	0.9695	0.984	26,639
	A52	2686	1.1018E-05	0.9671	0.940	29,339
	A53	2713	1.2717E-05	0.9770	0.958	26,215
	A54	2697	1.3937E-05	0.9706	0.965	23,447
	A55	2721	1.2781E-05	0.9751	0.952	25,935
	ave	**2700**	**1.4640E-05**	**0.9701**	**0.966**	**22,290**

DATA SET 16: CCT = 3000K, T_J = 131C	A1	3005	8.8207E-06	0.9875	0.962	39,011
	A2	3049	1.2712E-05	0.9687	0.989	25,552
	A3	3112	1.0668E-05	0.9885	0.974	32,351
	A4	3074	1.0869E-05	0.9875	0.975	31,661
	A5	3079	1.0137E-05	0.9926	0.973	34,450
	A6	3014	1.1915E-05	0.9856	0.975	28,716
	A7	3130	1.0183E-05	0.9761	0.933	32,650
	A8	3034	1.3494E-05	0.9854	0.972	25,345
	A9	2992	1.3096E-05	0.9931	0.976	26,706
	A10	3032	1.0555E-05	0.9776	0.965	31,647
	A21	3069	8.9835E-06	0.9934	0.923	38,963
	A22	2977	9.6964E-06	0.9952	0.930	36,289
	A23	3104	1.0491E-05	0.9838	0.967	32,445
	A24	2987	1.0835E-05	0.9743	0.971	30,516
	A25	2998	1.0627E-05	0.9934	0.963	32,938
	A26	3033	1.2436E-05	0.9926	0.969	28,081
	A27	3057	1.3758E-05	0.9829	0.980	24,669
	A28	3015	1.3324E-05	0.9831	0.969	25,493
	A29	3019	1.0628E-05	0.9792	0.961	31,584
	A30	3097	1.0170E-05	0.9902	0.967	34,100
	A41	3086	1.0239E-05	0.9741	0.939	32,270
	A42	3147	1.2183E-05	0.9795	0.968	27,579
	A43	3122	9.2031E-06	0.9801	0.906	36,570
	A44	3123	1.2885E-05	0.9784	0.965	25,987
	A45	3112	1.1256E-05	0.9808	0.944	29,967
	ave	**3059**	**1.1158E-05**	**0.9841**	**0.969**	**30,533**

$T_S = T_{AIR} = 105°C$, $I_F = 1A$
$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

u'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 7: CCT = 2650K, T_J = 131C	A11	2672	0.2639	0.2621	0.2613	0.2609	0.2609	0.2617	0.2617	0.2624	0.2628	0.2631				
	A12	2736	0.2604	0.2588	0.2578	0.2573	0.2573	0.2580	0.2586	0.2592	0.2593	0.2596				
	A13	2700	0.2622	0.2605	0.2595	0.2592	0.2594	0.2605	0.2609	0.2620	0.2621	0.2631				
	A14	2662	0.2643	0.2626	0.2617	0.2613	0.2616	0.2625	0.2624	0.2635	0.2635	0.2647				
	A15	2675	0.2636	0.2619	0.2611	0.2607	0.2608	0.2619	0.2627	0.2640	0.2638	0.2646				
	A16	2709	0.2618	0.2600	0.2592	0.2588	0.2589	0.2599	0.2604	0.2610	0.2609	0.2613				
	A17	2685	0.2642	0.2623	0.2614	0.2610	0.2614	0.2629	0.2636	0.2639	0.2635	0.2638				
	A18	2713	0.2623	0.2605	0.2597	0.2595	0.2601	0.2620	0.2631	0.2648	0.2653	0.2667				
	A19	2613	0.2667	0.2649	0.2641	0.2637	0.2637	0.2642	0.2644	0.2654	0.2659	0.2665				
	A20	2699	0.2622	0.2604	0.2595	0.2590	0.2590	0.2594	0.2596	0.2605	0.2610	0.2616				
	A31	2718	0.2619	0.2601	0.2593	0.2588	0.2589	0.2597	0.2600	0.2612	0.2615	0.2621				
	A32	2723	0.2621	0.2603	0.2594	0.2592	0.2601	0.2621	0.2623	0.2650	0.2658	0.2675				
	A33	2737	0.2614	0.2596	0.2586	0.2581	0.2582	0.2593	0.2594	0.2606	0.2607	0.2617				
	A34	2734	0.2612	0.2597	0.2588	0.2583	0.2582	0.2586	0.2590	0.2602	0.2607	0.2628				
	A35	2701	0.2628	0.2611	0.2599	0.2595	0.2597	0.2606	0.2609	0.2622	0.2624	0.2632				
	A36	2702	0.2627	0.2610	0.2600	0.2595	0.2596	0.2605	0.2607	0.2619	0.2621	0.2627				
	A37	2707	0.2626	0.2608	0.2599	0.2596	0.2598	0.2610	0.2611	0.2625	0.2625	0.2638				
	A38	2728	0.2612	0.2595	0.2587	0.2584	0.2587	0.2597	0.2599	0.2615	0.2616	0.2643				
	A39	2695	0.2632	0.2615	0.2605	0.2599	0.2598	0.2604	0.2607	0.2617	0.2621	0.2628				
	A40	2725	0.2617	0.2599	0.2590	0.2591	0.2601	0.2620	0.2615	0.2643	0.2646	0.2678				
	A51	2649	0.2654	0.2637	0.2628	0.2624	0.2623	0.2628	0.2630	0.2639	0.2642	0.2649				
	A52	2686	0.2632	0.2615	0.2606	0.2602	0.2602	0.2609	0.2610	0.2620	0.2622	0.2627				
	A53	2713	0.2616	0.2600	0.2591	0.2586	0.2586	0.2589	0.2591	0.2601	0.2603	0.2609				
	A54	2697	0.2627	0.2610	0.2602	0.2598	0.2601	0.2609	0.2611	0.2623	0.2622	0.2630				
	A55	2721	0.2614	0.2596	0.2587	0.2582	0.2584	0.2594	0.2595	0.2603	0.2605	0.2610				
	ave	**2700**														
DATA SET 16: CCT = 3000K, T_J = 131C	A1	3005	0.2506	0.2496	0.2491	0.2487	0.2484	0.2485	0.2488	0.2493	0.2495	0.2498				
	A2	3049	0.2487	0.2469	0.2462	0.2459	0.2457	0.2457	0.2459	0.2463	0.2466	0.2469				
	A3	3112	0.2458	0.2447	0.2440	0.2436	0.2435	0.2438	0.2442	0.2447	0.2450	0.2454				
	A4	3074	0.2479	0.2468	0.2462	0.2458	0.2457	0.2462	0.2466	0.2472	0.2475	0.2482				
	A5	3079	0.2474	0.2461	0.2455	0.2451	0.2450	0.2454	0.2458	0.2463	0.2465	0.2470				
	A6	3014	0.2501	0.2489	0.2482	0.2478	0.2479	0.2485	0.2490	0.2494	0.2495	0.2501				
	A7	3130	0.2457	0.2446	0.2440	0.2437	0.2440	0.2451	0.2453	0.2457	0.2456	0.2464				
	A8	3034	0.2496	0.2485	0.2478	0.2472	0.2472	0.2478	0.2483	0.2488	0.2491	0.2497				
	A9	2992	0.2515	0.2503	0.2496	0.2490	0.2493	0.2503	0.2508	0.2514	0.2518	0.2528				
	A10	3032	0.2493	0.2481	0.2475	0.2471	0.2471	0.2478	0.2483	0.2488	0.2489	0.2495				
	A21	3069	0.2484	0.2473	0.2467	0.2462	0.2461	0.2463	0.2464	0.2469	0.2471	0.2475				
	A22	2977	0.2522	0.2511	0.2506	0.2502	0.2499	0.2500	0.2502	0.2507	0.2510	0.2514				
	A23	3104	0.2462	0.2451	0.2444	0.2440	0.2440	0.2446	0.2450	0.2453	0.2454	0.2457				
	A24	2987	0.2511	0.2500	0.2494	0.2491	0.2492	0.2499	0.2503	0.2508	0.2509	0.2515				
	A25	2998	0.2503	0.2492	0.2486	0.2480	0.2479	0.2483	0.2488	0.2492	0.2493	0.2497				
	A26	3033	0.2493	0.2483	0.2476	0.2471	0.2473	0.2481	0.2486	0.2490	0.2490	0.2496				
	A27	3057	0.2482	0.2471	0.2464	0.2461	0.2463	0.2471	0.2476	0.2482	0.2487	0.2495				
	A28	3015	0.2496	0.2485	0.2479	0.2475	0.2477	0.2486	0.2491	0.2497	0.2503	0.2510				
	A29	3019	0.2492	0.2481	0.2473	0.2469	0.2470	0.2476	0.2481	0.2486	0.2486	0.2491				
	A30	3097	0.2471	0.2461	0.2455	0.2452	0.2452	0.2457	0.2461	0.2467	0.2468	0.2473				
	A41	3086	0.2484	0.2472	0.2465	0.2462	0.2465	0.2475	0.2480	0.2486	0.2484	0.2490				
	A42	3147	0.2453	0.2443	0.2436	0.2433	0.2433	0.2438	0.2442	0.2448	0.2452	0.2459				
	A43	3122	0.2468	0.2458	0.2452	0.2448	0.2446	0.2449	0.2453	0.2458	0.2462	0.2466				
	A44	3123	0.2466	0.2456	0.2450	0.2445	0.2446	0.2454	0.2460	0.2467	0.2472	0.2482				
	A45	3112	0.2466	0.2456	0.2449	0.2445	0.2445	0.2449	0.2453	0.2459	0.2462	0.2468				
	ave	**3059**														

$T_S = T_{AIR} = 105°C$, $I_F = 1A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 7: CCT = 2650K, T_J = 131C	A11	2672	0.5271	0.5266	0.5268	0.5269	0.5269	0.5269	0.5267	0.5267	0.5267	0.5267				
	A12	2736	0.5290	0.5288	0.5288	0.5285	0.5285	0.5284	0.5284	0.5284	0.5284	0.5284				
	A13	2700	0.5288	0.5286	0.5285	0.5283	0.5283	0.5282	0.5281	0.5281	0.5281	0.5282				
	A14	2662	0.5275	0.5272	0.5268	0.5268	0.5268	0.5266	0.5265	0.5266	0.5265	0.5266				
	A15	2675	0.5279	0.5277	0.5277	0.5275	0.5273	0.5272	0.5271	0.5272	0.5271	0.5272				
	A16	2709	0.5286	0.5283	0.5284	0.5282	0.5282	0.5282	0.5281	0.5281	0.5281	0.5281				
	A17	2685	0.5222	0.5218	0.5219	0.5222	0.5222	0.5223	0.5223	0.5223	0.5222	0.5222				
	A18	2713	0.5251	0.5247	0.5249	0.5249	0.5249	0.5250	0.5251	0.5252	0.5252	0.5254				
	A19	2613	0.5277	0.5274	0.5277	0.5274	0.5274	0.5273	0.5272	0.5273	0.5273	0.5273				
	A20	2699	0.5294	0.5292	0.5291	0.5292	0.5292	0.5292	0.5290	0.5291	0.5291	0.5291				
	A31	2718	0.5259	0.5255	0.5261	0.5258	0.5258	0.5258	0.5256	0.5257	0.5256	0.5257				
	A32	2723	0.5236	0.5232	0.5235	0.5237	0.5237	0.5238	0.5238	0.5240	0.5241	0.5243				
	A33	2737	0.5242	0.5239	0.5237	0.5234	0.5235	0.5235	0.5234	0.5235	0.5235	0.5237				
	A34	2734	0.5259	0.5257	0.5254	0.5253	0.5252	0.5251	0.5250	0.5252	0.5251	0.5254				
	A35	2701	0.5252	0.5249	0.5254	0.5249	0.5250	0.5250	0.5250	0.5251	0.5251	0.5252				
	A36	2702	0.5257	0.5254	0.5257	0.5253	0.5252	0.5252	0.5252	0.5253	0.5252	0.5253				
	A37	2707	0.5249	0.5245	0.5252	0.5249	0.5249	0.5249	0.5249	0.5250	0.5249	0.5251				
	A38	2728	0.5273	0.5271	0.5269	0.5269	0.5268	0.5266	0.5265	0.5266	0.5266	0.5268				
	A39	2695	0.5247	0.5244	0.5247	0.5242	0.5241	0.5241	0.5241	0.5243	0.5243	0.5244				
	A40	2725	0.5252	0.5250	0.5250	0.5248	0.5248	0.5248	0.5248	0.5250	0.5250	0.5253				
	A51	2649	0.5249	0.5246	0.5247	0.5247	0.5247	0.5246	0.5246	0.5246	0.5246	0.5246				
	A52	2686	0.5271	0.5268	0.5270	0.5267	0.5265	0.5264	0.5262	0.5263	0.5262	0.5262				
	A53	2713	0.5291	0.5289	0.5295	0.5290	0.5290	0.5288	0.5286	0.5288	0.5286	0.5286				
	A54	2697	0.5270	0.5267	0.5268	0.5269	0.5269	0.5267	0.5266	0.5268	0.5266	0.5266				
	A55	2721	0.5279	0.5276	0.5275	0.5273	0.5272	0.5272	0.5271	0.5271	0.5271	0.5270				
	ave	**2700**														

DATA SET 16: CCT = 3000K, T_J = 131C	A1	3005	0.5204	0.5201	0.5195	0.5193	0.5191	0.5191	0.5191	0.5190	0.5190	0.5191				
	A2	3049	0.5209	0.5203	0.5199	0.5196	0.5194	0.5193	0.5192	0.5192	0.5192	0.5193				
	A3	3112	0.5226	0.5224	0.5217	0.5217	0.5214	0.5214	0.5213	0.5214	0.5214	0.5215				
	A4	3074	0.5202	0.5199	0.5193	0.5192	0.5191	0.5191	0.5191	0.5191	0.5192	0.5193				
	A5	3079	0.5215	0.5213	0.5207	0.5206	0.5205	0.5205	0.5205	0.5205	0.5205	0.5206				
	A6	3014	0.5211	0.5209	0.5203	0.5201	0.5201	0.5202	0.5202	0.5202	0.5202	0.5203				
	A7	3130	0.5205	0.5202	0.5194	0.5190	0.5189	0.5190	0.5189	0.5189	0.5189	0.5191				
	A8	3034	0.5200	0.5198	0.5190	0.5188	0.5187	0.5188	0.5187	0.5187	0.5188	0.5189				
	A9	2992	0.5191	0.5187	0.5183	0.5183	0.5182	0.5183	0.5183	0.5183	0.5184	0.5186				
	A10	3032	0.5215	0.5213	0.5209	0.5211	0.5207	0.5207	0.5206	0.5207	0.5207	0.5208				
	A21	3069	0.5193	0.5191	0.5193	0.5190	0.5189	0.5188	0.5187	0.5188	0.5188	0.5188				
	A22	2977	0.5187	0.5186	0.5185	0.5180	0.5178	0.5178	0.5177	0.5178	0.5179	0.5179				
	A23	3104	0.5223	0.5222	0.5218	0.5216	0.5215	0.5215	0.5214	0.5214	0.5215	0.5215				
	A24	2987	0.5212	0.5211	0.5207	0.5205	0.5205	0.5205	0.5205	0.5205	0.5206	0.5207				
	A25	2998	0.5226	0.5226	0.5223	0.5222	0.5221	0.5221	0.5221	0.5221	0.5222	0.5222				
	A26	3033	0.5211	0.5211	0.5210	0.5206	0.5205	0.5205	0.5205	0.5205	0.5205	0.5207				
	A27	3057	0.5217	0.5218	0.5218	0.5212	0.5211	0.5211	0.5211	0.5211	0.5212	0.5213				
	A28	3015	0.5229	0.5229	0.5232	0.5224	0.5224	0.5223	0.5222	0.5223	0.5224	0.5225				
	A29	3019	0.5238	0.5237	0.5235	0.5233	0.5232	0.5232	0.5232	0.5232	0.5232	0.5232				
	A30	3097	0.5201	0.5201	0.5201	0.5199	0.5198	0.5198	0.5197	0.5198	0.5198	0.5199				
	A41	3086	0.5170	0.5167	0.5164	0.5160	0.5160	0.5161	0.5161	0.5162	0.5161	0.5163				
	A42	3147	0.5197	0.5194	0.5190	0.5187	0.5185	0.5185	0.5185	0.5186	0.5186	0.5187				
	A43	3122	0.5175	0.5171	0.5163	0.5159	0.5157	0.5157	0.5157	0.5159	0.5159	0.5161				
	A44	3123	0.5181	0.5178	0.5177	0.5173	0.5172	0.5173	0.5173	0.5174	0.5175	0.5177				
	A45	3112	0.5196	0.5193	0.5189	0.5185	0.5184	0.5184	0.5184	0.5185	0.5184	0.5185				
	ave	**3059**														

$T_S = T_{AIR} = 105°C$, $I_F = 1A$
$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

delta u' v'

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 7: CCT = 2650K, T_J = 131C	A11	2672	0.0000	0.0019	0.0026	0.0030	0.0030	0.0022	0.0022	0.0016	0.0012	0.0009				
	A12	2736	0.0000	0.0016	0.0026	0.0031	0.0031	0.0025	0.0019	0.0013	0.0013	0.0010				
	A13	2700	0.0000	0.0017	0.0027	0.0030	0.0028	0.0018	0.0015	0.0007	0.0007	0.0011				
	A14	2662	0.0000	0.0017	0.0027	0.0031	0.0028	0.0020	0.0021	0.0012	0.0013	0.0010				
	A15	2675	0.0000	0.0017	0.0025	0.0029	0.0029	0.0018	0.0012	0.0008	0.0008	0.0012				
	A16	2709	0.0000	0.0018	0.0026	0.0030	0.0029	0.0019	0.0015	0.0009	0.0010	0.0007				
	A17	2685	0.0000	0.0019	0.0028	0.0032	0.0028	0.0013	0.0006	0.0003	0.0007	0.0004				
	A18	2713	0.0000	0.0018	0.0026	0.0028	0.0022	0.0003	0.0008	0.0025	0.0030	0.0044				
	A19	2613	0.0000	0.0018	0.0026	0.0030	0.0030	0.0025	0.0024	0.0014	0.0009	0.0004				
	A20	2699	0.0000	0.0018	0.0027	0.0032	0.0032	0.0028	0.0026	0.0017	0.0012	0.0007				
	A31	2718	0.0000	0.0018	0.0026	0.0031	0.0030	0.0022	0.0019	0.0007	0.0005	0.0003				
	A32	2723	0.0000	0.0018	0.0027	0.0029	0.0020	0.0002	0.0003	0.0029	0.0037	0.0054				
	A33	2737	0.0000	0.0018	0.0028	0.0034	0.0033	0.0022	0.0022	0.0011	0.0010	0.0006				
	A34	2734	0.0000	0.0015	0.0025	0.0030	0.0031	0.0027	0.0024	0.0012	0.0009	0.0017				
	A35	2701	0.0000	0.0017	0.0029	0.0033	0.0031	0.0022	0.0019	0.0006	0.0004	0.0004				
	A36	2702	0.0000	0.0017	0.0027	0.0032	0.0031	0.0023	0.0021	0.0009	0.0008	0.0004				
	A37	2707	0.0000	0.0018	0.0027	0.0030	0.0028	0.0016	0.0015	0.0001	0.0001	0.0012				
	A38	2728	0.0000	0.0017	0.0025	0.0028	0.0025	0.0017	0.0015	0.0008	0.0008	0.0031				
	A39	2695	0.0000	0.0017	0.0027	0.0033	0.0035	0.0029	0.0026	0.0016	0.0012	0.0005				
	A40	2725	0.0000	0.0018	0.0027	0.0026	0.0016	0.0005	0.0004	0.0026	0.0029	0.0061				
	A51	2649	0.0000	0.0017	0.0026	0.0030	0.0031	0.0026	0.0024	0.0015	0.0012	0.0006				
	A52	2686	0.0000	0.0017	0.0026	0.0030	0.0031	0.0024	0.0024	0.0014	0.0013	0.0010				
	A53	2713	0.0000	0.0016	0.0025	0.0030	0.0030	0.0027	0.0025	0.0015	0.0014	0.0009				
	A54	2697	0.0000	0.0017	0.0025	0.0029	0.0026	0.0018	0.0016	0.0004	0.0006	0.0005				
	A55	2721	0.0000	0.0018	0.0027	0.0033	0.0031	0.0021	0.0021	0.0014	0.0012	0.0010				
	ave	**2700**	**0.0000**	**0.0018**	**0.0027**	**0.0031**	**0.0029**	**0.0020**	**0.0018**	**0.0013**	**0.0012**	**0.0014**				
DATA SET 16: CCT = 3000K, T_J = 131C	A1	3005	0.0000	0.0010	0.0017	0.0022	0.0026	0.0025	0.0022	0.0019	0.0018	0.0015				
	A2	3049	0.0000	0.0019	0.0027	0.0031	0.0034	0.0034	0.0033	0.0029	0.0027	0.0024				
	A3	3112	0.0000	0.0011	0.0020	0.0024	0.0026	0.0023	0.0021	0.0016	0.0014	0.0012				
	A4	3074	0.0000	0.0011	0.0019	0.0023	0.0025	0.0020	0.0017	0.0013	0.0011	0.0009				
	A5	3079	0.0000	0.0013	0.0021	0.0025	0.0026	0.0022	0.0019	0.0015	0.0013	0.0010				
	A6	3014	0.0000	0.0012	0.0021	0.0025	0.0024	0.0018	0.0014	0.0011	0.0011	0.0008				
	A7	3130	0.0000	0.0011	0.0020	0.0025	0.0023	0.0016	0.0016	0.0016	0.0016	0.0016				
	A8	3034	0.0000	0.0011	0.0021	0.0027	0.0027	0.0022	0.0018	0.0015	0.0013	0.0011				
	A9	2992	0.0000	0.0013	0.0021	0.0026	0.0024	0.0014	0.0011	0.0008	0.0008	0.0014				
	A10	3032	0.0000	0.0012	0.0019	0.0022	0.0023	0.0017	0.0013	0.0009	0.0009	0.0007				
	A21	3069	0.0000	0.0011	0.0017	0.0022	0.0023	0.0022	0.0021	0.0016	0.0014	0.0010				
	A22	2977	0.0000	0.0011	0.0016	0.0021	0.0025	0.0024	0.0022	0.0017	0.0014	0.0011				
	A23	3104	0.0000	0.0011	0.0019	0.0023	0.0023	0.0018	0.0015	0.0013	0.0011	0.0009				
	A24	2987	0.0000	0.0011	0.0018	0.0021	0.0020	0.0014	0.0011	0.0008	0.0006	0.0006				
	A25	2998	0.0000	0.0011	0.0017	0.0023	0.0025	0.0021	0.0016	0.0012	0.0011	0.0007				
	A26	3033	0.0000	0.0010	0.0017	0.0023	0.0021	0.0013	0.0009	0.0007	0.0007	0.0005				
	A27	3057	0.0000	0.0011	0.0018	0.0022	0.0020	0.0013	0.0008	0.0006	0.0007	0.0014				
	A28	3015	0.0000	0.0011	0.0017	0.0022	0.0020	0.0012	0.0009	0.0006	0.0009	0.0015				
	A29	3019	0.0000	0.0011	0.0019	0.0024	0.0023	0.0017	0.0013	0.0008	0.0008	0.0006				
	A30	3097	0.0000	0.0010	0.0016	0.0019	0.0019	0.0014	0.0011	0.0005	0.0004	0.0003				
	A41	3086	0.0000	0.0012	0.0020	0.0024	0.0021	0.0013	0.0010	0.0008	0.0009	0.0009				
	A42	3147	0.0000	0.0010	0.0018	0.0022	0.0023	0.0019	0.0016	0.0012	0.0011	0.0012				
	A43	3122	0.0000	0.0011	0.0020	0.0026	0.0028	0.0026	0.0023	0.0019	0.0017	0.0014				
	A44	3123	0.0000	0.0010	0.0016	0.0022	0.0022	0.0014	0.0010	0.0007	0.0008	0.0016				
	A45	3112	0.0000	0.0010	0.0018	0.0024	0.0024	0.0021	0.0018	0.0013	0.0013	0.0011				
	ave	**3059**	**0.0000**	**0.0012**	**0.0019**	**0.0024**	**0.0024**	**0.0019**	**0.0016**	**0.0012**	**0.0012**	**0.0011**				

$T_S = T_{AIR} = 105°C$, $I_F = 1A$

$T_S \geq 103C$, $T_{AIR} \geq 100C$ in compliance with LM-80-08

Forward voltage

		CCT (t=0)	0	24	168	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
DATA SET 7: CCT = 2650K, T_J = 131C	A11	2672	3.258	3.250	3.278	3.521	3.548	3.530	3.513	3.490	3.477	3.471				
	A12	2736	3.272	3.264	3.316	3.557	3.580	3.549	3.531	3.517	3.505	3.499				
	A13	2700	3.304	3.301	3.458	3.556	3.566	3.521	3.501	3.484	3.480	3.477				
	A14	2662	3.315	3.308	3.364	3.443	3.461	3.443	3.430	3.420	3.412	3.407				
	A15	2675	3.215	3.204	3.284	3.440	3.451	3.439	3.429	3.425	3.419	3.415				
	A16	2709	3.224	3.218	3.293	3.515	3.526	3.503	3.495	3.485	3.482	3.480				
	A17	2685	3.329	3.324	3.396	3.757	3.784	3.718	3.688	3.683	3.687	3.685				
	A18	2713	3.201	3.194	3.258	3.563	3.588	3.545	3.515	3.502	3.499	3.499				
	A19	2613	3.385	3.376	3.464	3.625	3.642	3.595	3.577	3.568	3.573	3.569				
	A20	2699	3.193	3.184	3.228	3.466	3.472	3.455	3.440	3.429	3.421	3.417				
	A31	2718	3.356	3.348	3.462	3.815	3.828	3.761	3.746	3.743	3.750	3.753				
	A32	2723	3.371	3.363	3.539	3.820	3.803	3.739	3.715	3.700	3.688	3.684				
	A33	2737	3.242	3.231	3.285	3.459	3.464	3.426	3.411	3.397	3.390	3.387				
	A34	2734	3.296	3.283	3.354	3.404	3.410	3.399	3.395	3.391	3.390	3.386				
	A35	2701	3.385	3.374	3.712	3.956	3.939	3.891	3.877	3.870	3.868	3.857				
	A36	2702	3.216	3.204	3.263	3.500	3.491	3.447	3.423	3.412	3.408	3.406				
	A37	2707	3.223	3.210	3.286	3.515	3.505	3.460	3.436	3.424	3.421	3.420				
	A38	2728	3.271	3.257	3.352	3.374	3.365	3.339	3.330	3.329	3.326	3.327				
	A39	2695	3.235	3.224	3.302	3.490	3.492	3.457	3.438	3.425	3.418	3.411				
	A40	2725	3.262	3.256	3.480	3.560	3.560	3.533	3.520	3.513	3.508	3.505				
	A51	2649	3.185	3.177	3.224	3.447	3.459	3.456	3.464	3.466	3.459	3.464				
	A52	2686	3.268	3.259	3.305	3.494	3.504	3.484	3.473	3.460	3.449	3.436				
	A53	2713	3.284	3.279	3.393	3.560	3.569	3.537	3.522	3.509	3.495	3.486				
	A54	2697	3.278	3.271	3.316	3.599	3.614	3.597	3.588	3.584	3.573	3.568				
	A55	2721	3.341	3.335	3.394	3.671	3.685	3.648	3.627	3.610	3.600	3.591				
	ave	**2700**	**3.276**													

DATA SET 16: CCT = 3000K, T_J = 131C	A1	3005	3.198	3.193	3.191	3.245	3.391	3.398	3.407	3.412	3.413	3.418				
	A2	3049	3.538	3.501	3.487	3.565	3.589	3.584	3.588	3.587	3.583	3.590				
	A3	3112	3.223	3.219	3.221	3.326	3.482	3.476	3.480	3.477	3.478	3.479				
	A4	3074	3.373	3.355	3.345	3.410	3.458	3.460	3.467	3.472	3.474	3.476				
	A5	3079	3.434	3.421	3.418	3.491	3.534	3.526	3.519	3.513	3.513	3.509				
	A6	3014	3.363	3.359	3.367	3.510	3.560	3.547	3.536	3.525	3.522	3.513				
	A7	3130	3.440	3.413	3.417	3.515	3.539	3.514	3.500	3.488	3.482	3.476				
	A8	3034	3.428	3.423	3.441	3.536	3.562	3.539	3.523	3.515	3.510	3.504				
	A9	2992	3.386	3.362	3.367	3.485	3.520	3.527	3.531	3.534	3.534	3.542				
	A10	3032	3.194	3.191	3.191	3.289	3.452	3.455	3.458	3.459	3.461	3.462				
	A21	3069	3.332	3.328	3.432	3.576	3.591	3.566	3.544	3.525	3.516	3.510				
	A22	2977	3.458	3.425	3.454	3.523	3.546	3.523	3.511	3.500	3.506	3.505				
	A23	3104	3.392	3.388	3.548	3.671	3.682	3.624	3.596	3.582	3.580	3.574				
	A24	2987	3.504	3.446	3.466	3.493	3.494	3.473	3.460	3.453	3.452	3.453				
	A25	2998	3.327	3.321	3.399	3.664	3.677	3.638	3.618	3.605	3.598	3.596				
	A26	3033	3.395	3.389	3.558	3.786	3.797	3.745	3.728	3.718	3.721	3.715				
	A27	3057	3.217	3.212	3.465	3.568	3.563	3.500	3.482	3.471	3.465	3.461				
	A28	3015	3.245	3.239	3.478	3.611	3.605	3.539	3.518	3.506	3.502	3.496				
	A29	3019	3.306	3.299	3.470	3.594	3.604	3.555	3.530	3.519	3.520	3.516				
	A30	3097	3.427	3.390	3.443	3.470	3.471	3.446	3.436	3.432	3.433	3.432				
	A41	3086	3.292	3.282	3.418	3.494	3.492	3.477	3.471	3.465	3.458	3.459				
	A42	3147	3.422	3.377	3.409	3.456	3.467	3.443	3.426	3.415	3.407	3.405				
	A43	3122	3.351	3.317	3.332	3.351	3.350	3.343	3.339	3.340	3.338	3.339				
	A44	3123	3.215	3.206	3.320	3.476	3.481	3.458	3.449	3.442	3.433	3.432				
	A45	3112	3.339	3.320	3.365	3.422	3.432	3.411	3.395	3.385	3.379	3.376				
	ave	**3059**	**3.352**													

Company Information

Philips Lumileds is a leading provider of power LEDs for everyday lighting applications. The company's records for light output, efficacy and thermal management are direct results of the ongoing commitment to advancing solid-state lighting technology and enabling lighting solutions that are more environmentally friendly, help reduce CO_2 emissions and reduce the need for power plant expansion. Philips Lumileds LUXEON® LEDs are enabling never before possible applications in outdoor lighting, shop lighting, home lighting, digital imaging, display and automotive lighting.

Philips Lumileds is a fully integrated supplier, producing core LED material in all three base colors, (red, green, blue) and white. Philips Lumileds has R&D centers in San Jose, California and in the Netherlands, and production capabilities in San Jose, Singapore and Penang, Malaysia. Founded in 1999, Philips Lumileds is the high flux LED technology leader and is dedicated to bridging the gap between solid-state technology and the lighting world. More information about the company's LUXEON LED products and solid-state lighting technologies can be found at www.philipslumileds.com.

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