

IES ROAD REPORT
PHOTOMETRIC FILENAME : ECF-L-80L-1A-NW-G2-3-HIS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] Scaled from LRPS1730B2
[TESTLAB] PHILIPS Lighting - San Marcos
[ISSUE DATE] 1/27/2017
[MANUFAC] PHILIPS GARDCO
[LUMCAT] ECF-L-80L-1A-NW-G2-3-HIS
[LUMINAIRE] EcoForm Area LED ECF - Large, 80 LED's, 4000K CCT, TYPE 3-HIS OPTIC, House-side Internal Shielding
[LAMP] (5) LEDGINE 3 SLD LIGHT ARRAY(S) DRIVEN AT 1050mA
[ABSOLUTE LUMENS] 22013 ABSOLUTE LUMENS DELIVERED
[OTHER] DATA SHOWN IS ABSOLUTE LUMENS
[OTHER] TESTED PER LM-79

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	22013
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	261.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	19829.1
Maximum Candela Angle	55H 72.5V
Maximum Candela (<90 Degrees Vertical)	19829.1
Maximum Candela Angle (<90 Degrees Vertical)	55H 72.5V
Maximum Candela At 90 Degrees Vertical	8.892 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4511.83 (20.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1787.1	N.A.	8.1
FM - Front-Medium (30-60)	8388.0	N.A.	38.1
FH - Front-High (60-80)	9286.9	N.A.	42.2
FVH - Front-Very High (80-90)	187.5	N.A.	0.9
BL - Back-Low (0-30)	570.1	N.A.	2.6
BM - Back-Medium (30-60)	1171.4	N.A.	5.3
BH - Back-High (60-80)	603.1	N.A.	2.7
BVH - Back-Very High (80-90)	13.4	N.A.	0.1
UL - Uplight-Low (90-100)	2.5	N.A.	0.0
UH - Uplight-High (100-180)	3.2	N.A.	0.0
Total	22013.2	N.A.	100.0
BUG Rating	B2-U1-G4		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	60.0	62.5	65.0
0.0	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891
2.5	3288.156	3289.750	3290.925	3276.999	3252.252	3241.095	3200.829	3188.917	3179.773	3167.693
5.0	3473.129	3473.465	3469.187	3449.641	3417.344	3388.235	3332.869	3311.142	3295.455	3276.664
7.5	3633.942	3637.466	3630.923	3609.196	3574.801	3535.458	3467.760	3437.309	3419.189	3394.023
10.0	3787.541	3784.773	3778.649	3758.600	3721.773	3678.151	3609.699	3573.459	3551.397	3522.539
12.5	3934.849	3934.094	3924.279	3906.075	3871.765	3823.194	3753.315	3717.830	3689.560	3660.871
15.0	4086.266	4083.246	4072.005	4053.214	4023.266	3972.514	3905.572	3867.738	3843.327	3811.701
17.5	4234.412	4230.470	4219.061	4204.464	4177.704	4133.831	4071.922	4031.655	4008.334	3976.457
20.0	4383.062	4382.726	4367.039	4349.003	4339.608	4301.439	4253.958	4214.279	4191.630	4164.282
22.5	4539.345	4536.074	4517.199	4506.042	4510.068	4485.657	4449.082	4411.500	4390.360	4366.704
25.0	4706.198	4699.655	4683.297	4684.304	4689.421	4682.878	4657.879	4624.072	4603.352	4581.121
27.5	4876.071	4880.098	4865.669	4880.182	4892.178	4902.580	4879.763	4856.777	4833.792	4815.085
30.0	5068.343	5064.652	5063.561	5089.315	5115.655	5137.131	5121.947	5104.918	5090.909	5071.363
32.5	5258.517	5256.252	5278.985	5312.792	5363.125	5380.741	5385.859	5370.675	5370.088	5349.367
35.0	5442.819	5451.291	5498.101	5558.164	5627.204	5656.817	5678.460	5674.433	5669.819	5655.558
37.5	5660.843	5686.345	5733.994	5825.012	5913.094	5973.997	5995.892	6005.036	5992.201	5982.973
40.0	5935.912	5969.048	6015.186	6126.254	6235.308	6319.028	6353.255	6349.480	6335.135	6325.320
42.5	6283.544	6298.224	6345.117	6473.382	6603.828	6705.584	6739.894	6721.607	6704.661	6686.709
45.0	6639.480	6631.846	6727.395	6887.369	7015.886	7145.157	7159.837	7121.249	7100.696	7067.812
47.5	6966.811	6960.519	7106.568	7328.033	7493.124	7615.349	7615.181	7554.446	7526.260	7473.746
50.0	7296.826	7319.895	7528.022	7807.452	8019.521	8134.364	8104.416	8024.638	7972.124	7917.933
52.5	7703.263	7754.938	8029.252	8369.502	8630.645	8736.008	8658.580	8552.210	8473.271	8398.527
55.0	8220.768	8292.157	8638.614	9076.425	9355.017	9451.405	9298.057	9141.103	9034.146	8946.819
57.5	8758.826	8861.672	9345.035	9895.675	10247.585	10354.962	10070.498	9836.115	9705.501	9574.972
60.0	9203.432	9329.348	10051.623	10843.441	11352.054	11479.312	11023.633	10690.094	10519.802	10340.869
62.5	9279.183	9414.997	10514.181	11750.522	12610.122	12860.947	12226.754	11778.624	11543.151	11313.969
65.0	7999.975	8063.814	9943.911	12252.843	13918.606	14450.624	13717.359	13151.031	12852.306	12573.463
67.5	3931.158	3929.983	6691.826	10967.008	14861.339	16172.843	15498.133	14881.137	14529.478	14214.060
70.0	867.234	845.087	1653.348	5801.020	13809.384	17963.935	17689.538	16992.093	16572.821	16214.620
72.5	537.890	523.880	626.307	1153.543	5293.917	16126.537	19829.100	19432.981	19012.702	18598.296
75.0	366.003	340.250	417.259	613.640	1184.498	5530.733	16259.332	17783.241	18056.212	18031.633
77.5	217.605	216.431	269.113	390.079	666.741	1578.016	7893.521	10604.277	10919.528	10924.897
80.0	134.389	139.673	181.953	248.392	390.750	777.557	2631.146	4258.237	4511.830	4477.100
82.5	81.539	80.197	106.873	158.464	211.398	320.284	1169.230	1630.446	1620.296	1497.484
85.0	24.579	34.981	57.799	78.267	96.555	137.660	474.554	512.723	399.726	273.643
87.5	5.872	9.060	13.170	13.842	15.268	31.206	56.876	44.628	42.615	42.531
90.0	0.000	0.000	0.000	0.000	0.000	0.000	1.762	3.020	3.775	3.188
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.168	0.252	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>
0.0	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891
2.5	3159.221	3149.490	3141.436	3132.460	3122.142	3108.804	3096.808	3084.476	3073.319	3064.930
5.0	3261.480	3245.457	3230.861	3213.664	3198.396	3176.921	3152.426	3130.447	3110.566	3085.567
7.5	3371.876	3353.002	3329.345	3305.186	3284.297	3255.776	3224.653	3193.698	3162.324	3127.008
10.0	3495.443	3469.187	3441.420	3409.542	3381.188	3347.297	3309.464	3272.218	3228.931	3179.689
12.5	3629.664	3598.877	3565.406	3528.495	3496.031	3453.248	3407.529	3366.172	3312.232	3249.484
15.0	3779.153	3744.423	3708.687	3666.575	3628.658	3577.318	3529.502	3478.918	3411.388	3338.741
17.5	3943.573	3908.088	3869.752	3822.858	3781.250	3722.528	3667.246	3610.034	3531.767	3450.480
20.0	4122.674	4088.280	4048.852	4000.617	3950.116	3888.878	3821.935	3754.406	3669.930	3572.285
22.5	4320.565	4285.165	4238.355	4191.630	4136.935	4066.469	3994.493	3913.625	3818.580	3704.996
25.0	4538.171	4497.401	4445.139	4394.890	4335.246	4261.424	4180.556	4086.602	3983.168	3854.568
27.5	4774.231	4730.861	4679.270	4623.233	4558.472	4480.959	4391.367	4286.087	4172.000	4030.313
30.0	5033.697	4988.481	4940.581	4879.930	4810.387	4730.442	4629.860	4510.739	4382.726	4227.701
32.5	5313.547	5275.462	5230.582	5161.794	5096.026	5003.413	4894.862	4762.823	4619.794	4445.223
35.0	5622.423	5593.397	5544.659	5471.173	5407.166	5301.300	5171.525	5034.284	4873.471	4677.425
37.5	5955.793	5922.742	5860.748	5795.316	5724.766	5601.199	5462.364	5317.658	5139.144	4917.009
40.0	6293.359	6251.331	6188.918	6127.093	6048.406	5910.997	5771.408	5613.531	5410.941	5168.169
42.5	6646.946	6599.382	6538.731	6470.194	6382.028	6245.039	6098.822	5917.876	5698.593	5428.054
45.0	7024.694	6977.968	6907.586	6827.809	6729.492	6592.084	6432.696	6227.842	5994.214	5687.687
47.5	7423.078	7368.047	7284.159	7189.114	7085.345	6946.846	6760.614	6550.056	6294.869	5942.959
50.0	7848.977	7769.954	7677.174	7571.643	7458.227	7302.279	7098.096	6880.658	6588.980	6196.720
52.5	8305.495	8217.581	8102.738	7978.919	7850.906	7676.419	7461.247	7216.294	6887.369	6458.953
55.0	8816.960	8714.868	8567.309	8422.183	8280.161	8079.669	7844.950	7570.049	7206.563	6741.488
57.5	9417.766	9279.602	9107.548	8937.675	8759.748	8537.361	8277.141	7963.903	7569.798	7060.178
60.0	10142.054	9970.923	9762.377	9560.123	9337.736	9085.401	8797.162	8436.444	8009.455	7426.014
62.5	11052.155	10837.653	10584.899	10345.650	10072.259	9783.265	9433.033	9020.388	8521.507	7839.749
65.0	12236.065	11965.107	11648.934	11334.102	11004.339	10649.492	10221.832	9756.253	9131.288	8321.266
67.5	13785.728	13419.808	13023.018	12594.938	12190.682	11729.802	11187.130	10577.852	9837.038	8740.454
70.0	15710.201	15252.341	14726.447	14148.459	13613.506	13003.976	12318.024	11555.399	10508.393	8645.325
72.5	18013.010	17484.012	16828.763	16117.393	15383.961	14570.164	13665.265	12620.272	10862.820	6951.208
75.0	17922.075	17362.794	16721.219	15861.451	14880.549	13750.579	12596.448	11202.482	9248.480	4902.161
77.5	10976.320	10295.821	9691.828	8771.325	8060.626	7166.968	6652.315	5852.527	4749.065	2189.392

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80.0	4106.232	3358.371	2799.006	2320.676	2143.421	1859.293	1732.957	1475.505	1174.767	525.306
82.5	1161.345	792.741	555.338	429.758	379.425	338.907	351.658	329.428	301.829	214.753
85.0	213.579	172.474	137.157	115.598	120.211	90.767	93.535	97.981	107.041	88.250
87.5	33.471	38.337	37.917	34.981	31.458	26.760	34.730	30.032	32.968	29.109
90.0	3.188	3.691	2.265	4.614	1.594	2.097	2.768	3.523	3.188	2.768
92.5	0.671	0.168	0.252	0.000	0.000	0.336	1.762	0.084	2.517	2.265
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.168	2.097	1.846
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.252	1.846
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.336	0.000	0.000	1.342
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.084	1.762
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.671	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.252
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891	3058.891
2.5	3033.137	2979.029	2921.818	2864.270	2818.216	2761.256	2730.972	2712.014	2690.706	2668.308
5.0	3026.761	2905.124	2765.954	2614.117	2477.128	2338.461	2247.694	2190.231	2144.260	2107.685
7.5	3035.737	2831.135	2579.555	2312.036	2072.871	1843.690	1681.282	1586.154	1510.990	1473.240
10.0	3057.045	2752.867	2370.003	1980.175	1628.265	1326.185	1125.441	1020.245	949.947	926.962
12.5	3091.187	2667.134	2144.847	1625.497	1192.300	907.500	768.581	714.138	689.056	680.080
15.0	3136.906	2577.122	1902.243	1271.658	862.704	697.109	656.843	642.078	637.632	635.116
17.5	3199.990	2481.741	1645.127	972.933	693.502	642.750	628.992	620.016	614.647	614.312
20.0	3273.644	2385.606	1384.822	769.924	641.407	619.009	608.188	599.883	598.037	593.927
22.5	3348.220	2274.119	1142.302	669.510	620.100	603.574	589.565	583.860	581.427	580.169
25.0	3434.457	2152.649	940.803	632.515	601.644	585.706	576.478	570.270	569.431	566.328

IES ROAD REPORT
PHOTOMETRIC FILENAME : ECF-L-80L-1A-NW-G2-3-HIS.IES

CANDELA TABULATION - (Cont.)

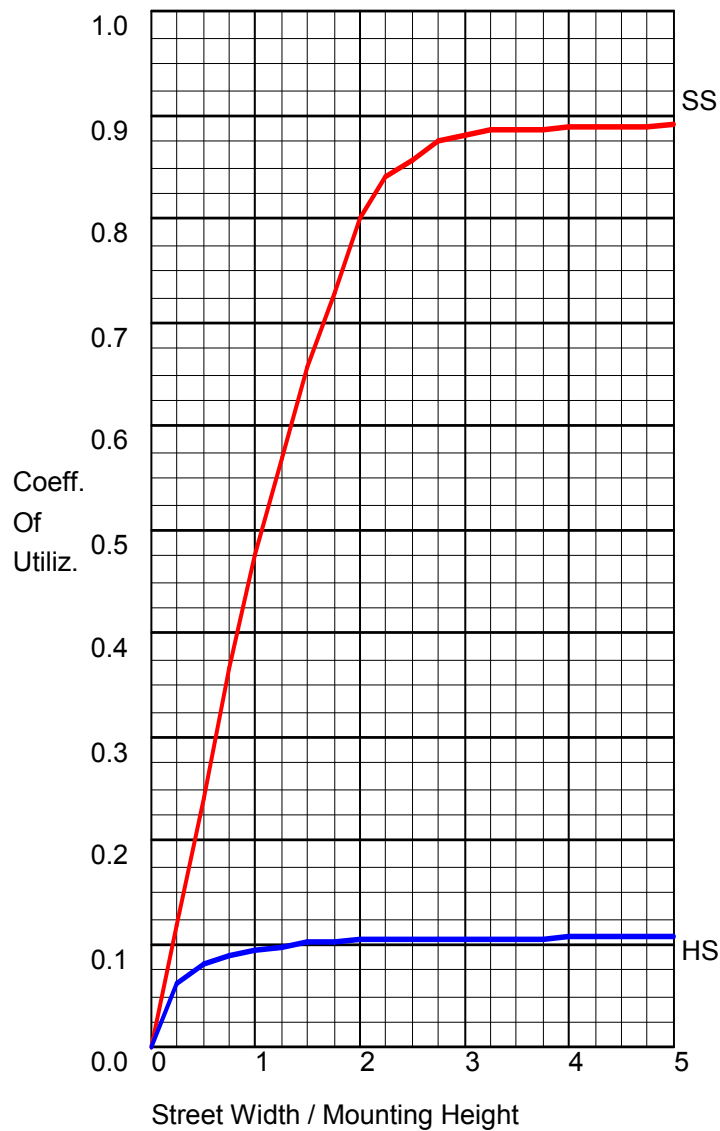
27.5	3538.981	2030.089	794.838	615.654	586.377	571.025	561.882	557.100	556.932	553.409
30.0	3659.528	1899.894	703.652	599.631	571.025	554.919	548.879	545.607	546.362	546.614
32.5	3792.742	1758.963	654.242	581.679	556.345	540.238	535.625	536.380	535.960	536.799
35.0	3931.493	1610.481	622.700	567.250	540.238	524.132	523.461	523.545	524.048	521.364
37.5	4068.734	1464.768	598.708	550.641	521.280	507.019	506.683	508.193	509.368	506.599
40.0	4202.367	1323.584	576.310	529.501	499.301	487.557	487.808	493.932	499.217	497.372
42.5	4329.290	1189.447	553.828	508.948	479.587	466.249	466.585	480.846	487.808	489.570
45.0	4441.616	1069.236	528.242	483.446	456.518	441.670	447.207	467.927	486.131	486.131
47.5	4555.871	961.188	500.727	455.092	432.023	417.762	429.087	465.746	502.321	508.613
50.0	4653.601	860.858	470.611	426.654	406.437	392.428	413.903	485.879	562.301	573.878
52.5	4754.182	764.387	438.902	399.307	379.090	367.094	397.881	518.428	644.008	659.695
55.0	4828.675	674.627	406.018	371.540	350.232	343.437	378.083	524.132	676.976	680.247
57.5	4911.976	599.715	375.483	342.934	320.871	315.335	337.146	454.589	585.370	582.099
60.0	4996.115	529.501	341.256	312.483	291.091	286.897	297.383	369.610	461.635	452.408
62.5	5085.036	464.572	301.913	278.172	258.375	256.865	260.472	292.098	328.841	321.962
65.0	5173.035	398.887	259.382	244.617	227.756	226.581	224.484	233.796	254.600	250.741
67.5	5158.690	335.300	220.206	214.082	197.053	197.556	195.459	202.254	226.246	230.356
70.0	3760.110	264.918	184.218	182.792	167.860	172.809	171.215	180.862	213.998	217.941
72.5	1101.617	203.428	157.793	150.327	141.435	154.186	151.082	158.548	191.265	189.755
75.0	284.212	159.471	128.516	118.198	120.715	131.033	128.852	141.855	174.151	167.356
77.5	160.981	120.044	97.142	93.787	93.032	100.749	104.524	150.076	91.102	39.679
80.0	115.262	83.720	74.241	72.311	65.516	50.501	51.843	53.017	9.144	9.060
82.5	79.022	53.269	55.618	40.098	36.911	21.895	12.919	6.543	0.252	0.000
85.0	42.699	25.586	19.965	19.294	16.610	3.523	0.000	0.000	0.000	0.000
87.5	13.254	9.060	10.486	7.382	5.537	0.000	0.000	0.000	0.000	0.000
90.0	5.285	8.892	8.724	5.537	4.446	0.000	0.000	0.000	0.000	0.000
92.5	3.523	9.731	11.325	8.305	4.278	0.000	0.000	0.000	0.000	0.000
95.0	3.356	9.312	9.060	8.473	5.788	1.174	0.000	0.000	0.000	0.000
97.5	3.188	8.305	13.087	9.983	6.208	1.258	0.000	0.000	0.000	0.000
100.0	3.523	8.473	11.325	9.647	8.305	2.852	0.000	0.000	0.000	0.000
102.5	2.013	7.885	10.822	11.409	6.124	3.439	0.671	0.000	0.000	0.000
105.0	2.433	5.033	7.130	8.724	6.292	3.272	1.426	0.000	0.000	0.000
107.5	0.755	6.795	7.634	7.718	4.866	1.007	0.000	0.000	0.000	0.000
110.0	0.671	6.375	7.634	5.620	3.356	0.923	0.252	0.000	0.000	0.000
112.5	0.000	1.762	5.620	6.711	4.111	2.349	0.252	0.000	0.000	0.000
115.0	0.000	1.258	4.866	4.362	4.866	2.181	0.000	0.000	0.000	0.000
117.5	0.000	1.258	3.020	3.188	1.174	1.174	0.000	0.000	0.000	0.000
120.0	0.000	0.671	2.517	2.684	0.923	0.000	0.252	0.000	0.000	0.000
122.5	0.000	2.265	2.097	3.859	1.342	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	1.091	1.594	0.923	0.419	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.419	0.084	0.336	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.252	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.084	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.168	0.419	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : ECF-L-80L-1A-NW-G2-3-HIS.IES

CANDELA TABULATION - (Cont.)

167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.923	0.000	0.671
170.0	0.000	0.000	0.000	0.000	0.000	0.336	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

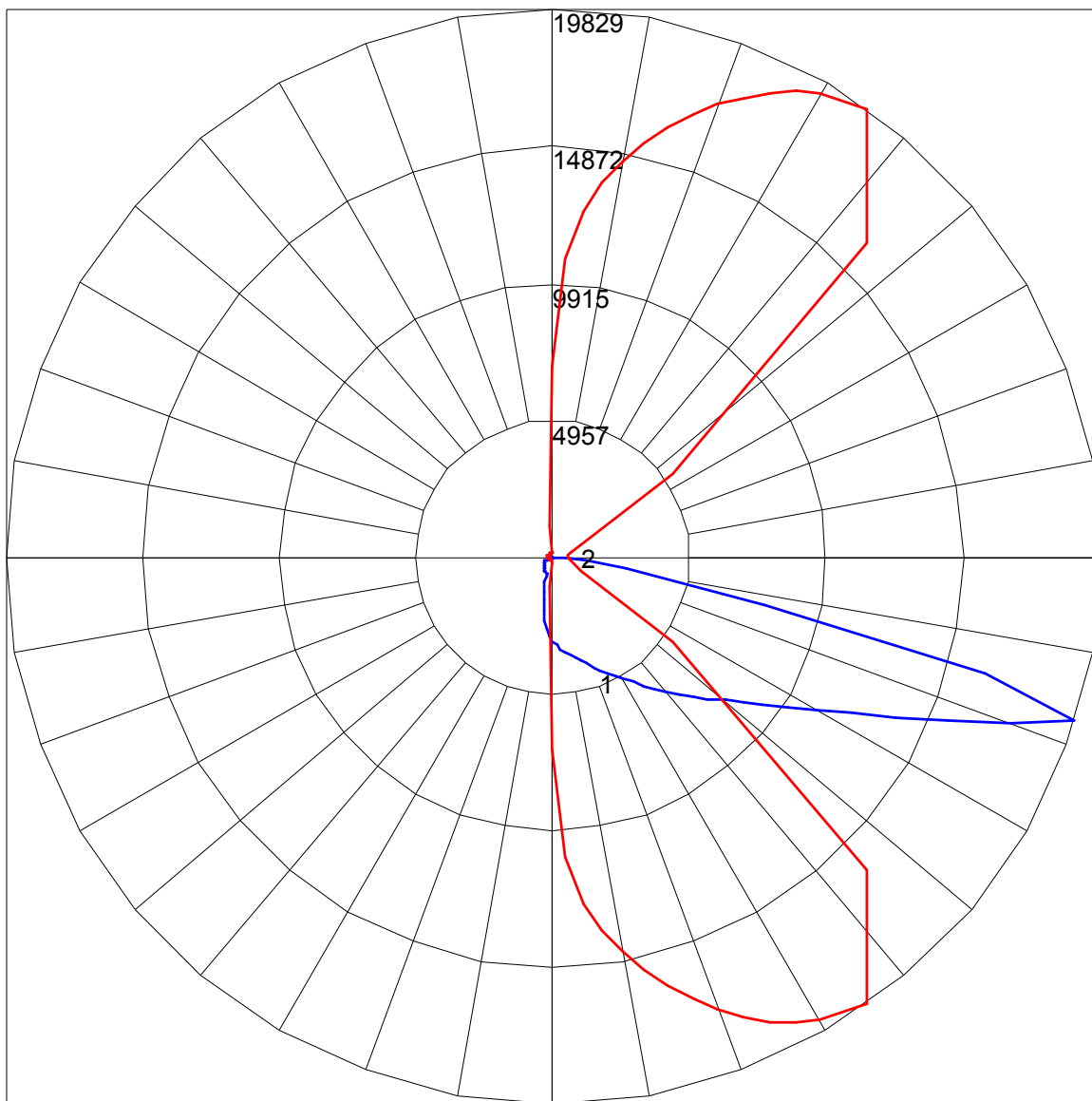
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

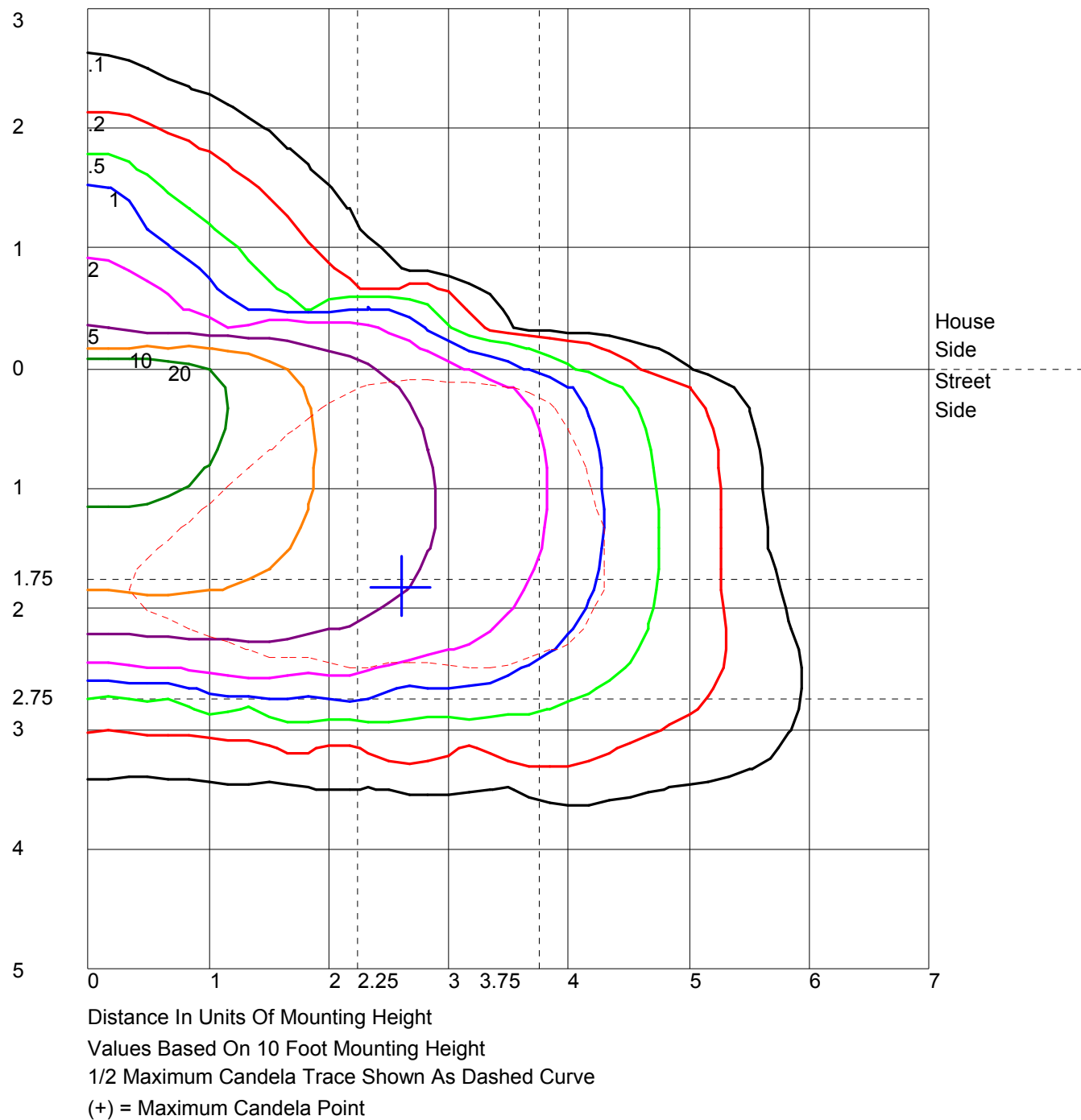
	Lumens	Percent Of Luminaire
Downward Street Side	19649.4	89.3
Downward House Side	2357.9	10.7
Downward Total	22007.3	100.0
Upward Street Side	0.1	0.0
Upward House Side	5.5	0.0
Upward Total	5.6	0.0
Total Flux	22012.9	100.0

POLAR GRAPH

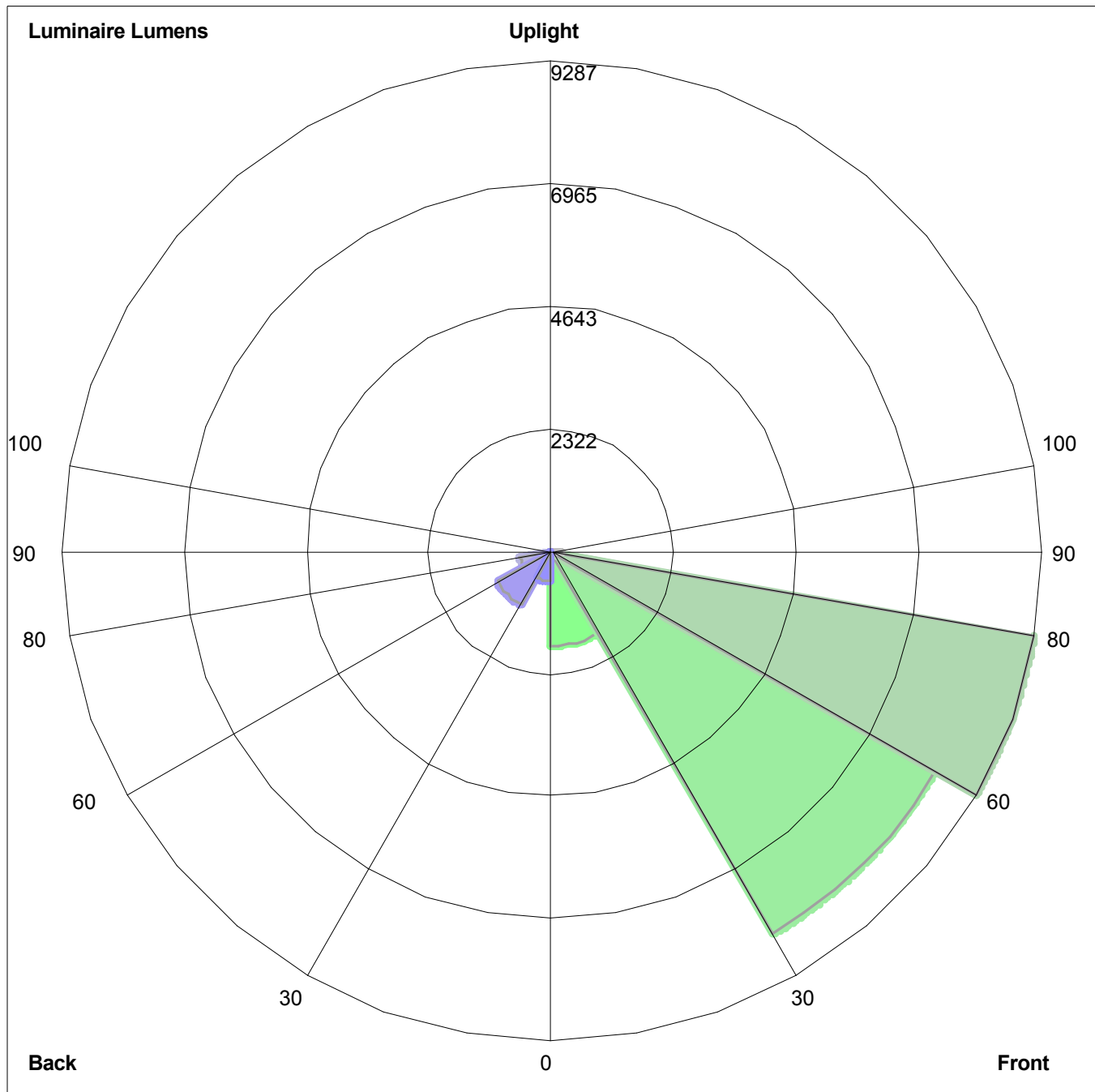


Maximum Candela = 19829.1 Located At Horizontal Angle = 55, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1787.1, Medium= 8388.0, High=9286.9, Very High=187.5
Back: Low=570.1, Medium=1171.4, High=603.1, Very High=13.4
Uplight: Low=2.5, High=3.2

BUG Rating : B2-U1-G4