

PHILIPS

LUMEC

IES ROAD REPORT
PHOTOMETRIC FILENAME : DOS-30W16LED4K-T-LE3F-HS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LRPS1343I
[TESTLAB] PHILIPS Lighting - San Marcos
[ISSUE DATE]10/19/2015
[MANUFAC]PHILIPS LUMEC
[LUMCAT]DOS-30W16LED4K-T-LE3F-HS
[LUMINAIRE]DOMUS, TYPE LE3F OPTIC, FLAT GLASS, INTERNAL SHIELDS
[LAMP](1) LEDGINE IP20, NW
[ABSOLUTE LUMENS] 2577 ABSOLUTE LUMENS DELIVERED
[OTHER] DATA SHOWN IS ABSOLUTE PHOTOMETRY AT RATED INPUT
[OTHER] BUG RATING B0-U0-G0
[OTHER]INPUT: 120.09V 0.45A 54.16W OUTPUT: 90.46V 0.5314A
[SEARCH_CRI] 70
[SEARCH_COLORTEMP] 4000
[SEARCH_APPLICATION] Outdoor, Architectural, Area, Commercial, Landscape, Office, Parking, Parks, Pathway, Pedestrian, F
[SEARCH_MOUNTING] Arm, Pendant, Pole, Post Top

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2577
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	37.57
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1851.979
Maximum Candela Angle	60H 70V
Maximum Candela (<90 Degrees Vertical)	1851.979
Maximum Candela Angle (<90 Degrees Vertical)	60H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	106.025 (4.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



IES ROAD REPORT**PHOTOMETRIC FILENAME : DOS-30W16LED4K-T-LE3F-HS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	364.3	N.A.	14.1
FM - Front-Medium (30-60)	1202.6	N.A.	46.7
FH - Front-High (60-80)	652.1	N.A.	25.3
FVH - Front-Very High (80-90)	4.2	N.A.	0.2
BL - Back-Low (0-30)	107.7	N.A.	4.2
BM - Back-Medium (30-60)	184.5	N.A.	7.2
BH - Back-High (60-80)	59.1	N.A.	2.3
BVH - Back-Very High (80-90)	2.1	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	2576.6	N.A.	100.0
BUG Rating	B0-U0-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>
0.0	673.014	673.014	673.014	673.014	673.014	673.014	673.014	673.014	673.014	673.014
2.5	783.734	785.384	780.308	775.994	767.364	752.580	739.193	732.340	727.391	722.886
5.0	832.464	831.258	828.276	822.693	815.459	800.739	785.701	775.296	769.141	762.225
7.5	855.052	853.529	850.928	844.710	838.238	824.596	810.130	800.041	794.457	787.986
10.0	870.788	869.455	866.790	859.240	851.118	838.111	823.644	814.190	809.241	803.721
12.5	883.985	883.478	881.130	872.691	861.270	847.946	833.479	825.104	820.853	816.157
15.0	895.914	896.041	895.406	885.635	869.963	857.019	842.806	834.939	830.497	826.627
17.5	906.701	907.843	910.888	898.833	877.133	866.600	852.705	844.202	839.634	836.208
20.0	919.327	921.167	927.893	911.015	883.605	875.800	863.618	855.052	850.293	846.233
22.5	938.299	938.997	947.245	922.055	889.823	884.874	874.849	866.473	861.524	856.956
25.0	957.714	956.318	968.184	936.395	898.579	895.216	888.808	880.749	875.547	869.963
27.5	969.008	966.090	984.300	953.590	912.030	905.622	905.305	898.389	893.376	888.046
30.0	974.275	970.404	990.962	965.709	930.050	916.028	921.802	917.424	913.743	908.477
32.5	983.221	978.272	994.833	973.577	950.862	931.383	937.093	936.585	934.492	930.050
35.0	1004.223	999.020	1008.982	987.917	972.308	957.016	956.763	958.983	958.603	956.699
37.5	1034.362	1028.144	1038.296	1014.312	1000.924	995.023	985.252	991.216	992.612	990.899
40.0	1060.250	1052.889	1068.435	1045.783	1026.811	1030.618	1023.575	1024.464	1024.654	1021.037
42.5	1076.366	1069.640	1089.690	1074.906	1061.074	1055.935	1045.783	1039.565	1038.550	1033.791
45.0	1081.378	1075.097	1106.441	1100.096	1097.812	1080.236	1061.709	1052.191	1050.859	1047.750
47.5	1083.599	1077.254	1112.913	1125.159	1123.319	1114.119	1092.546	1082.076	1081.315	1078.523
50.0	1088.992	1075.985	1124.588	1139.181	1160.120	1157.201	1126.428	1117.101	1114.943	1107.964
52.5	1052.318	1045.148	1105.426	1156.059	1205.740	1205.296	1164.815	1146.351	1135.247	1125.159
55.0	983.348	978.209	1038.169	1141.719	1253.899	1255.358	1201.235	1178.330	1172.112	1162.658
57.5	843.441	841.664	949.022	1093.370	1268.873	1313.352	1246.856	1236.704	1233.722	1228.011
60.0	549.414	558.804	751.185	1000.860	1247.998	1381.814	1333.846	1330.039	1328.580	1323.059
62.5	253.229	262.493	437.234	790.460	1184.865	1411.445	1461.507	1463.855	1469.121	1460.492
65.0	165.731	161.798	180.008	483.997	970.341	1442.472	1609.853	1647.099	1642.023	1607.950
67.5	99.743	98.919	108.119	183.307	645.540	1402.309	1769.176	1833.959	1818.414	1766.829
70.0	71.572	70.683	73.665	87.307	261.668	1042.420	1762.387	1851.979	1826.662	1767.336
72.5	49.491	48.666	53.869	61.991	87.244	370.738	1263.670	1493.677	1514.298	1489.298
75.0	35.976	34.326	35.405	41.750	53.044	80.328	564.388	854.545	908.541	890.267
77.5	20.177	19.035	21.636	26.078	30.202	39.847	163.701	320.740	376.132	385.966
80.0	9.962	9.518	11.167	14.847	16.878	19.289	49.428	98.982	106.025	90.797
82.5	4.124	3.807	4.315	6.091	7.614	9.264	15.545	23.730	19.796	18.020
85.0	0.635	0.571	0.698	1.396	2.411	4.061	6.091	6.853	7.043	7.487
87.5	0.000	0.000	0.000	0.000	0.254	0.952	2.094	2.475	2.728	2.601
90.0	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	673.014	673.014	673.014	673.014	673.014	673.014	673.014	673.014	673.014	673.014
2.5	717.873	713.178	708.039	702.518	695.983	689.448	684.752	679.296	673.078	665.844
5.0	754.801	746.743	738.621	729.231	718.381	707.150	696.935	686.402	674.410	661.403
7.5	780.054	771.933	762.225	751.311	737.987	723.711	709.308	693.635	676.440	657.405
10.0	796.805	788.874	780.181	769.522	755.816	739.954	722.315	702.265	680.247	655.565
12.5	809.812	802.579	794.902	785.003	772.504	757.022	736.528	713.432	686.592	656.327
15.0	821.360	814.761	806.830	798.772	787.224	772.694	751.121	725.805	695.158	660.261
17.5	831.766	825.548	817.744	809.495	799.280	785.638	765.905	738.241	704.168	664.258
20.0	841.855	836.208	828.847	820.409	811.081	798.138	779.420	751.121	712.988	668.382
22.5	851.753	846.296	839.190	830.814	821.551	808.607	790.841	763.050	722.505	672.507
25.0	863.935	858.415	852.260	844.329	834.939	821.804	803.658	775.740	733.545	677.519
27.5	881.194	874.024	867.679	860.445	849.278	836.461	817.807	789.889	745.791	684.435

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CANDELA TABULATION - (Cont.)

30.0	901.053	892.805	885.001	877.133	865.331	852.197	832.972	804.229	758.228	692.113
32.5	923.324	915.203	906.827	898.008	885.635	870.471	850.103	819.076	771.171	699.727
35.0	951.179	942.930	934.174	924.593	909.936	891.790	868.567	834.875	784.305	706.960
37.5	985.632	976.115	964.567	952.004	934.619	912.855	887.285	850.420	797.630	713.749
40.0	1014.121	1002.764	989.693	973.894	955.303	930.558	901.751	862.857	807.972	720.729
42.5	1025.289	1014.756	1002.447	987.980	969.643	943.565	913.617	872.374	813.810	720.919
45.0	1041.151	1030.999	1020.149	1005.556	983.729	951.813	914.315	869.709	808.543	710.640
47.5	1070.402	1057.204	1039.819	1020.530	997.561	969.135	930.114	882.653	817.363	713.305
50.0	1093.815	1076.810	1060.123	1041.024	1017.675	985.252	939.821	886.460	812.921	701.694
52.5	1115.514	1099.208	1079.665	1056.633	1029.349	994.959	945.342	888.363	811.462	697.125
55.0	1153.775	1139.435	1121.162	1098.256	1067.737	1027.382	970.848	904.226	818.124	697.569
57.5	1220.651	1204.154	1183.279	1155.678	1116.530	1065.389	1000.670	923.388	828.911	699.790
60.0	1316.080	1299.202	1271.728	1230.422	1175.031	1108.662	1034.108	946.737	840.966	701.567
62.5	1439.681	1406.306	1358.338	1298.822	1228.456	1147.113	1063.295	956.065	840.141	686.085
65.0	1560.362	1504.463	1438.031	1357.132	1264.305	1162.214	1056.506	937.283	802.452	628.218
67.5	1690.372	1592.722	1489.743	1378.388	1254.914	1127.887	1001.558	873.072	696.744	460.013
70.0	1681.679	1575.146	1457.827	1333.656	1200.411	1065.516	922.817	775.930	545.797	257.734
72.5	1407.702	1319.062	1201.426	1095.718	971.102	836.969	681.516	537.548	345.739	122.839
75.0	820.662	753.278	647.507	541.355	442.691	371.944	295.614	236.605	160.338	68.653
77.5	328.671	257.099	184.386	131.849	102.091	90.607	78.424	69.351	54.123	34.073
80.0	60.658	43.590	34.136	29.822	27.410	25.824	23.984	23.032	22.144	18.020
82.5	16.180	15.545	15.418	14.467	14.086	12.880	12.182	11.738	11.167	10.089
85.0	7.233	7.233	7.233	7.043	7.233	6.789	6.408	5.964	5.711	5.584
87.5	2.538	2.919	2.728	2.601	2.792	2.665	2.919	2.538	2.601	2.538
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

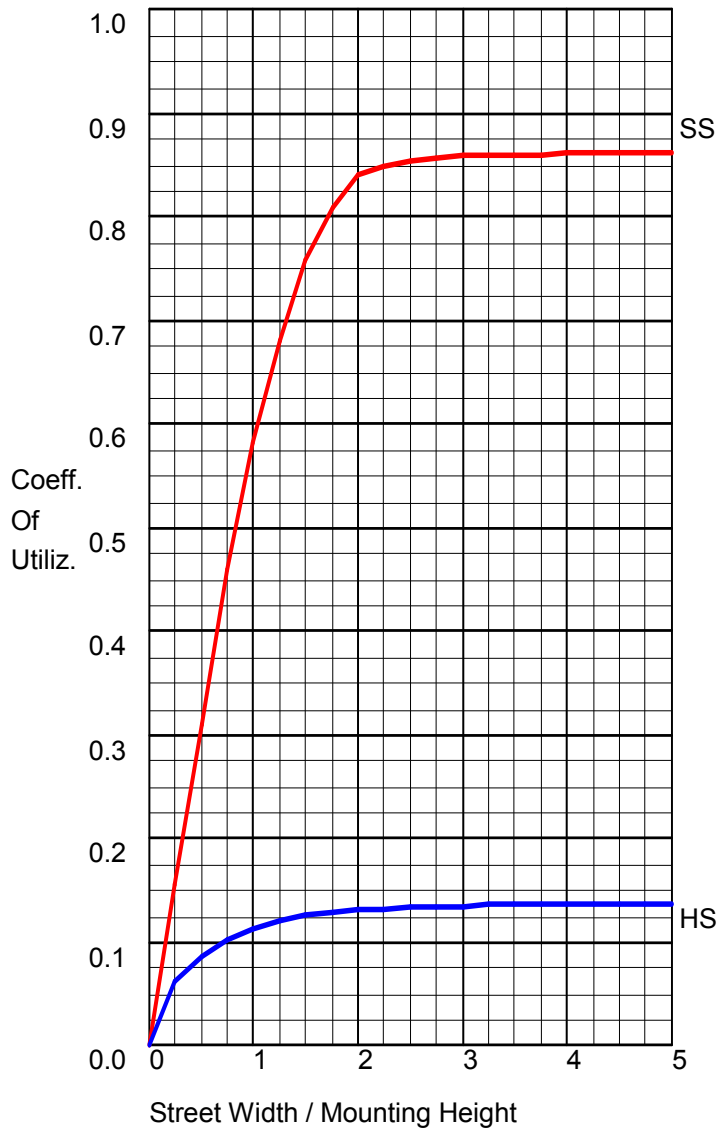
	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	673.014	673.014	673.014	673.014	673.014	673.014	673.014	673.014	673.014	673.014
2.5	655.756	634.310	612.546	589.768	573.017	559.185	549.858	540.784	541.609	533.615
5.0	639.766	594.653	549.033	503.603	466.167	435.457	410.966	393.644	389.710	380.510
7.5	624.602	554.680	483.933	413.821	354.051	307.986	274.358	251.770	244.917	238.572
10.0	611.341	515.277	417.818	322.834	250.056	206.784	186.924	179.881	178.612	178.041
12.5	600.745	477.398	352.148	241.110	184.386	170.681	168.587	168.523	169.412	170.109
15.0	591.544	439.011	287.492	186.987	165.668	163.828	164.399	164.970	166.366	167.571
17.5	582.598	398.974	230.006	166.112	160.782	160.846	161.290	162.305	163.828	164.780
20.0	572.636	357.858	189.081	159.767	158.054	158.562	159.006	159.577	160.909	162.051
22.5	562.294	316.616	167.318	156.024	155.706	156.404	156.595	157.039	158.117	158.879
25.0	552.015	277.023	157.419	152.661	152.978	154.120	154.120	154.437	155.706	156.150
27.5	542.498	241.745	151.899	149.425	150.313	151.138	151.836	151.963	153.105	153.930
30.0	532.536	211.606	147.712	145.808	146.696	148.092	148.790	149.805	150.821	151.392
32.5	522.574	186.353	143.587	141.811	142.826	144.603	146.062	147.077	148.219	148.854
35.0	512.042	167.381	139.653	137.940	138.575	140.542	142.128	143.905	145.554	146.062
37.5	500.621	153.105	135.085	133.753	134.577	136.418	137.750	139.653	141.747	142.191
40.0	488.946	142.889	130.770	129.438	130.390	132.864	133.308	134.133	136.544	136.925
42.5	471.116	134.768	125.314	124.425	125.123	127.598	128.740	128.359	130.199	130.326
45.0	451.003	127.979	119.857	119.223	119.349	119.921	121.887	122.078	124.235	124.172
47.5	435.394	121.126	113.829	112.751	112.180	112.433	115.416	116.177	118.905	119.223
50.0	413.060	113.576	108.246	106.025	104.756	105.708	108.563	110.784	114.273	114.654
52.5	393.961	105.898	102.535	99.299	97.015	98.348	101.837	105.581	109.515	109.642
55.0	376.068	98.284	96.698	92.510	89.718	90.289	95.810	100.505	103.614	103.741
57.5	354.876	90.670	90.480	85.404	82.104	82.422	88.767	94.160	96.698	96.634
60.0	327.910	83.373	82.993	78.741	74.427	74.681	81.279	87.624	89.401	88.513
62.5	292.441	74.934	74.110	71.318	67.194	67.638	73.983	79.249	76.457	75.125
65.0	236.605	65.544	64.148	63.069	59.770	60.722	66.749	66.115	62.562	62.118

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CANDELA TABULATION - (Cont.)

67.5	135.529	55.582	54.123	54.757	52.156	54.377	58.247	52.092	51.648	51.648
70.0	59.453	46.001	43.844	45.494	43.907	46.192	46.382	41.750	42.004	42.892
72.5	42.385	36.674	34.073	35.595	35.024	36.864	34.707	31.915	31.217	30.900
75.0	32.169	27.791	25.824	25.697	25.507	27.157	22.652	19.670	18.274	17.576
77.5	22.842	19.670	18.337	17.639	16.497	16.370	14.911	13.198	11.929	11.294
80.0	14.974	12.690	11.358	10.469	9.962	9.644	9.391	7.741	7.043	6.853
82.5	9.137	7.424	6.916	6.408	5.774	5.330	4.822	3.744	3.236	3.426
85.0	5.330	4.886	4.695	4.061	3.236	2.475	1.967	1.206	0.952	0.888
87.5	2.601	2.665	2.538	1.840	1.206	0.508	0.127	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

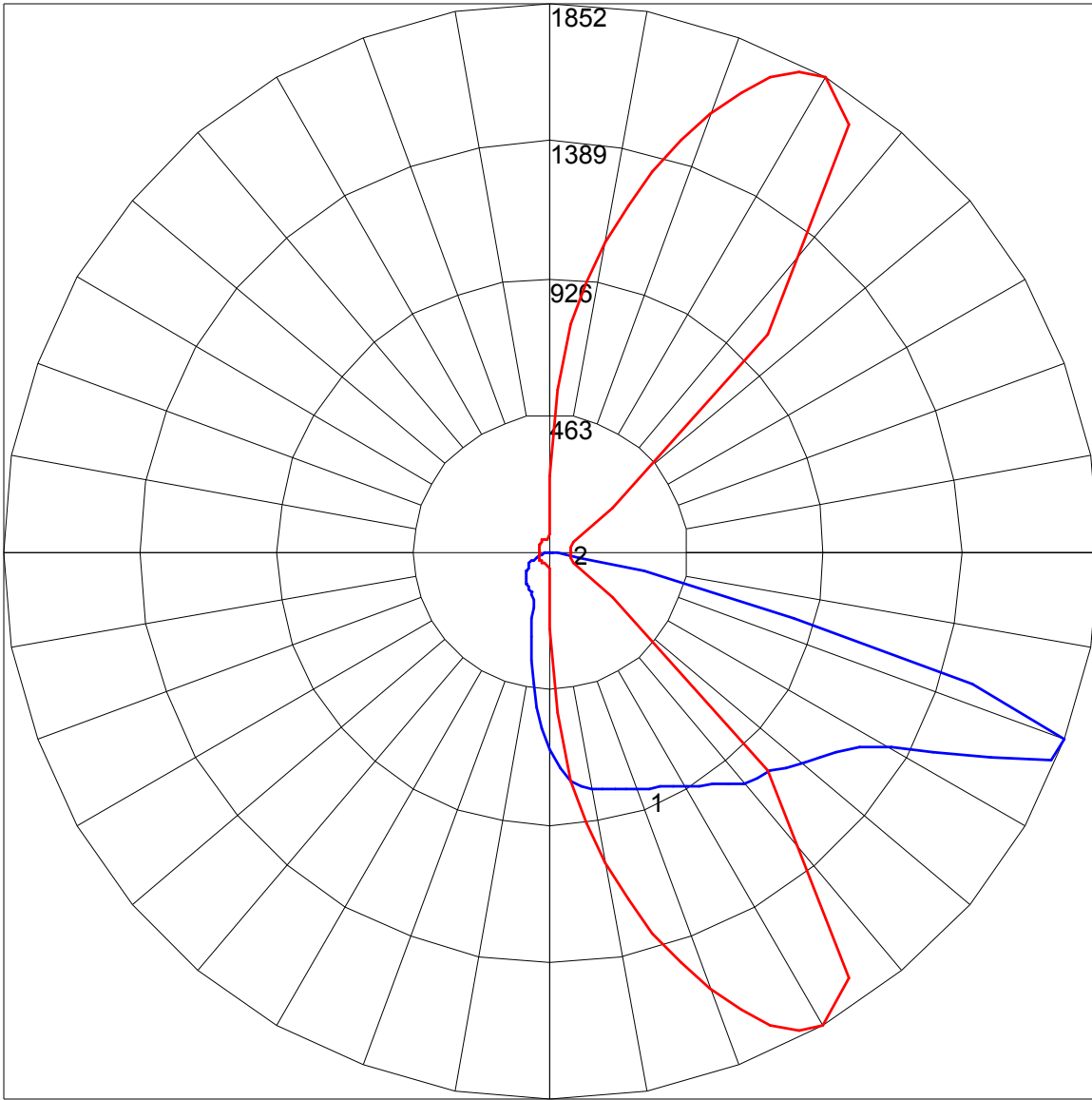
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

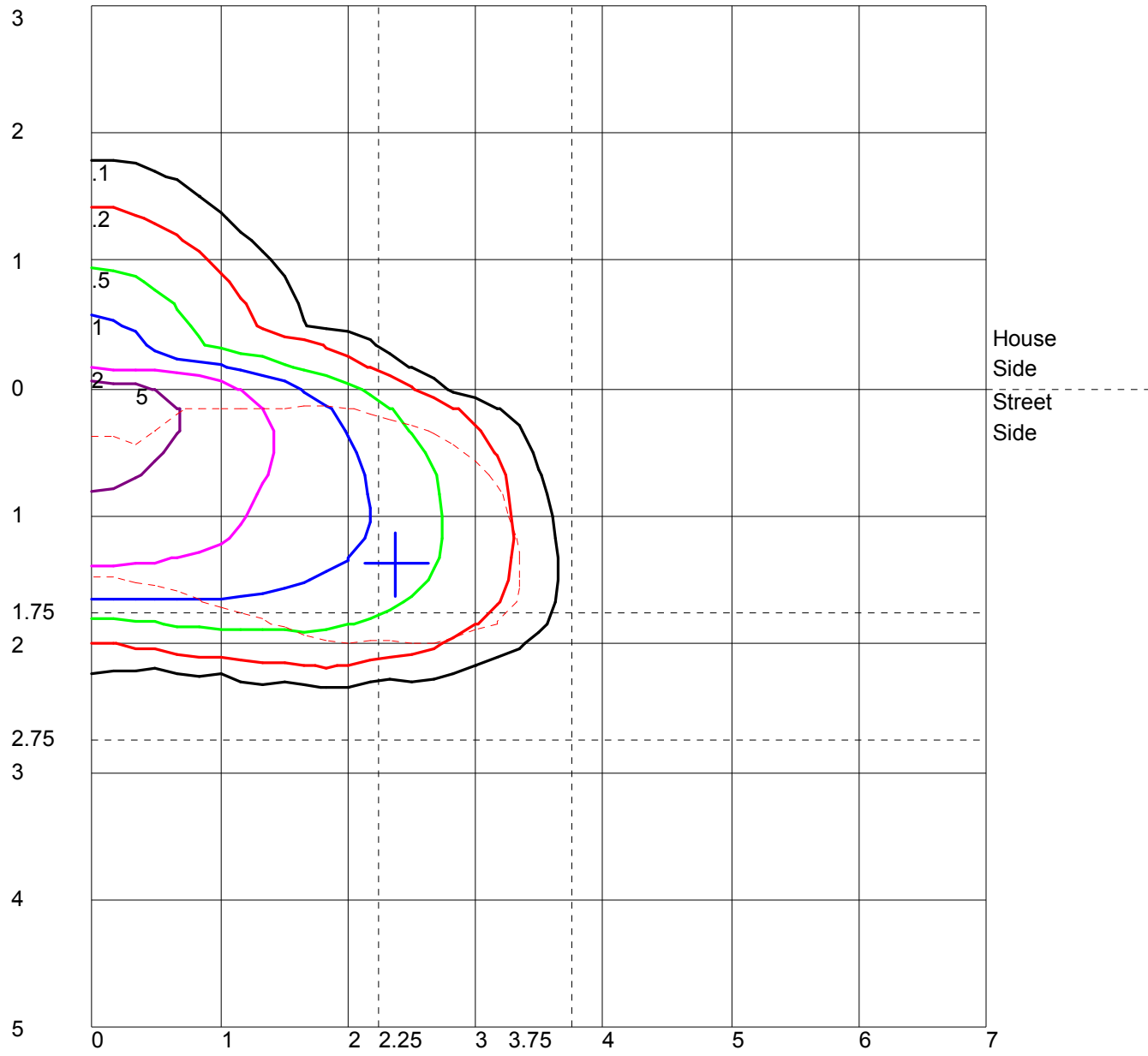
	Lumens	Percent Of Luminaire
Downward Street Side	2223.2	86.3
Downward House Side	353.4	13.7
Downward Total	2576.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2576.6	100.0

POLAR GRAPH



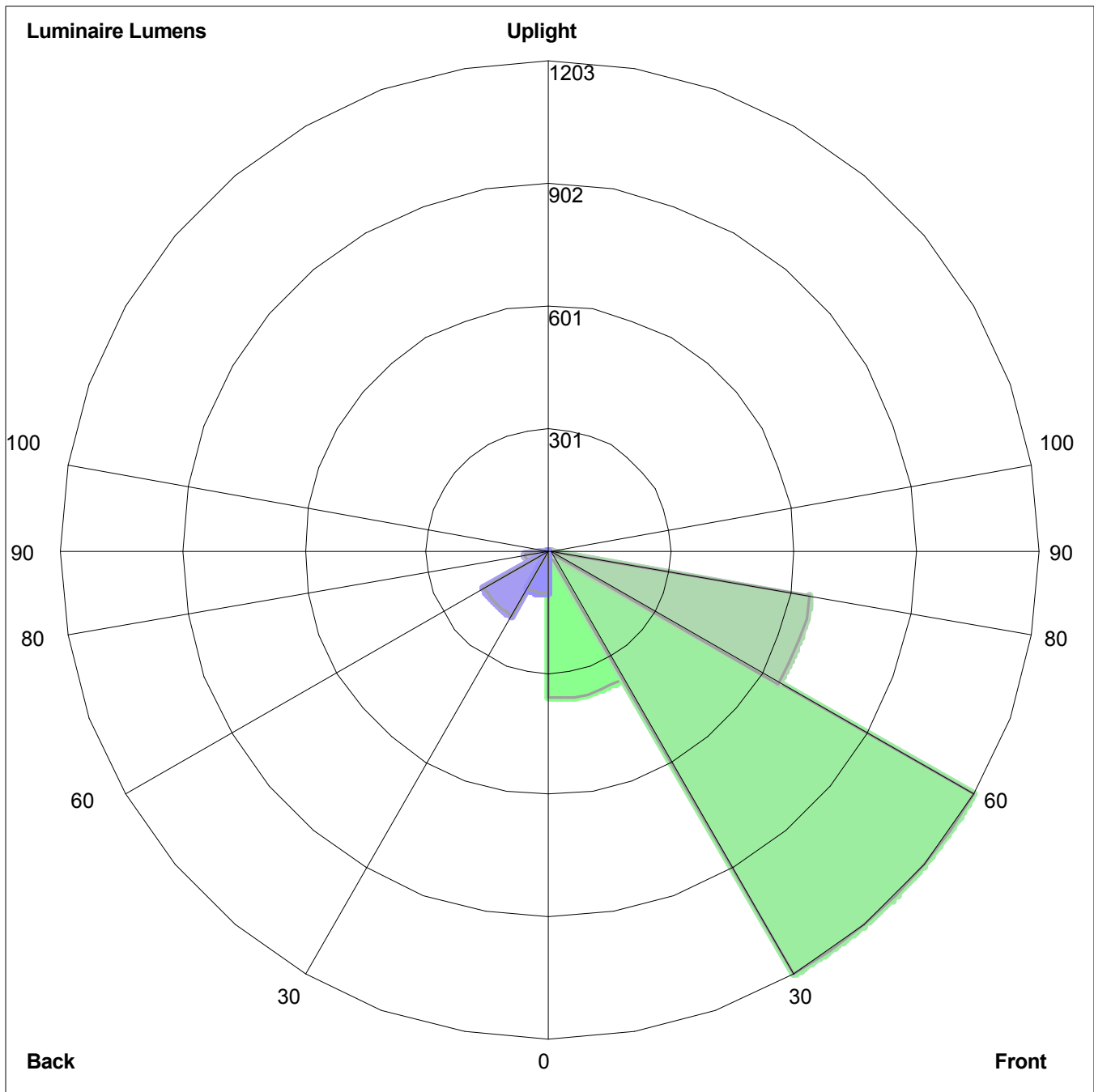
Maximum Candela = 1851.979 Located At Horizontal Angle = 60, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=364.3, Medium=1202.6, High=652.1, Very High=4.2
Back: Low=107.7, Medium=184.5, High=59.1, Very High=2.1
Uplight: Low=0.0, High=0.0

BUG Rating : B0-U0-G0