



IES ROAD REPORT
PHOTOMETRIC FILENAME : XGBM-5-LED-LW-CW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5126
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]02/11/14
[TEST DATE]02/11/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XGBM-5-LED-LW-CW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13842
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	140.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4385
Maximum Candela Angle	45H 47.5V
Maximum Candela (<90 Degrees Vertical)	4385
Maximum Candela Angle (<90 Degrees Vertical)	45H 47.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	914 (6.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	776.1	N.A.	5.6
FM - Front-Medium (30-60)	3599.5	N.A.	26.0
FH - Front-High (60-80)	2433.1	N.A.	17.6
FVH - Front-Very High (80-90)	112.2	N.A.	0.8
BL - Back-Low (0-30)	776.1	N.A.	5.6
BM - Back-Medium (30-60)	3599.5	N.A.	26.0
BH - Back-High (60-80)	2433.1	N.A.	17.6
BVH - Back-Very High (80-90)	112.2	N.A.	0.8
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	13841.8	N.A.	100.0
BUG Rating	B3-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	1341	1341	1341	1341	1341	1341	1341	1341	1341	1341
2.5	1356	1352	1349	1348	1345	1339	1333	1336	1334	1336
5.0	1386	1384	1381	1381	1374	1366	1351	1345	1342	1333
7.5	1473	1464	1453	1436	1420	1400	1380	1363	1342	1335
10.0	1730	1727	1726	1700	1642	1516	1471	1438	1400	1375
12.5	1682	1683	1746	1833	1915	1934	1719	1548	1430	1357
15.0	1648	1656	1699	1809	2018	2191	2093	1708	1449	1326
17.5	1756	1760	1784	1899	2078	2192	2221	1869	1474	1356
20.0	1804	1815	1854	2066	2170	2148	2206	2032	1501	1348
22.5	1817	1808	1864	2103	2210	2230	2147	2110	1591	1374
25.0	1758	1759	1840	2100	2164	2222	2120	2088	1771	1515
27.5	1869	1861	1917	1975	2162	2138	2172	2020	1936	1649
30.0	2214	2193	2258	2120	2047	2125	2104	2054	2187	1924
32.5	2651	2642	2699	2447	2117	2035	2097	2309	2575	2310
35.0	3102	3087	3146	2862	2386	2025	2267	2654	2920	2674
37.5	3272	3270	3347	3263	2781	2336	2548	2969	3139	2858
40.0	3272	3271	3313	3421	3198	2909	2872	3133	3145	2851
42.5	3198	3203	3233	3378	3496	3602	3215	3116	3033	2780
45.0	3116	3129	3205	3279	3730	4160	3502	3055	2900	2706
47.5	2980	2996	3157	3246	3926	4385	3762	2964	2804	2668
50.0	2789	2836	3075	3224	4103	4370	3988	3005	2779	2646
52.5	2617	2649	2799	3203	4171	4259	4097	3143	2719	2639
55.0	2696	2744	2731	3192	4044	4098	4102	3318	2785	2789
57.5	2855	2921	2916	3480	3800	3899	3900	3623	2872	2884
60.0	2860	2915	3000	3839	3755	3678	3817	3821	2901	2829
62.5	2796	2875	3037	3863	3829	3428	3715	3746	2910	2747
65.0	2688	2792	3061	3712	3761	3549	3472	3511	2862	2564
67.5	2319	2421	2976	3478	3557	3552	3174	3182	2821	2300
70.0	1631	1734	2424	2851	3370	3341	3074	2730	2422	1639
72.5	1272	1369	1993	2161	2635	3016	2668	1927	1946	1193
75.0	911	1009	1633	1832	2068	2149	1999	1580	1568	889
77.5	676	796	1202	1402	1448	1369	1389	1318	1148	637
80.0	360	460	787	914	832	795	882	888	710	367
82.5	118	190	419	373	355	361	384	379	439	179
85.0	49	74	165	134	88	76	92	123	171	79
87.5	9	9	14	13	12	13	14	13	16	14
90.0	0	0	0	0	0	0	0	0	0	0

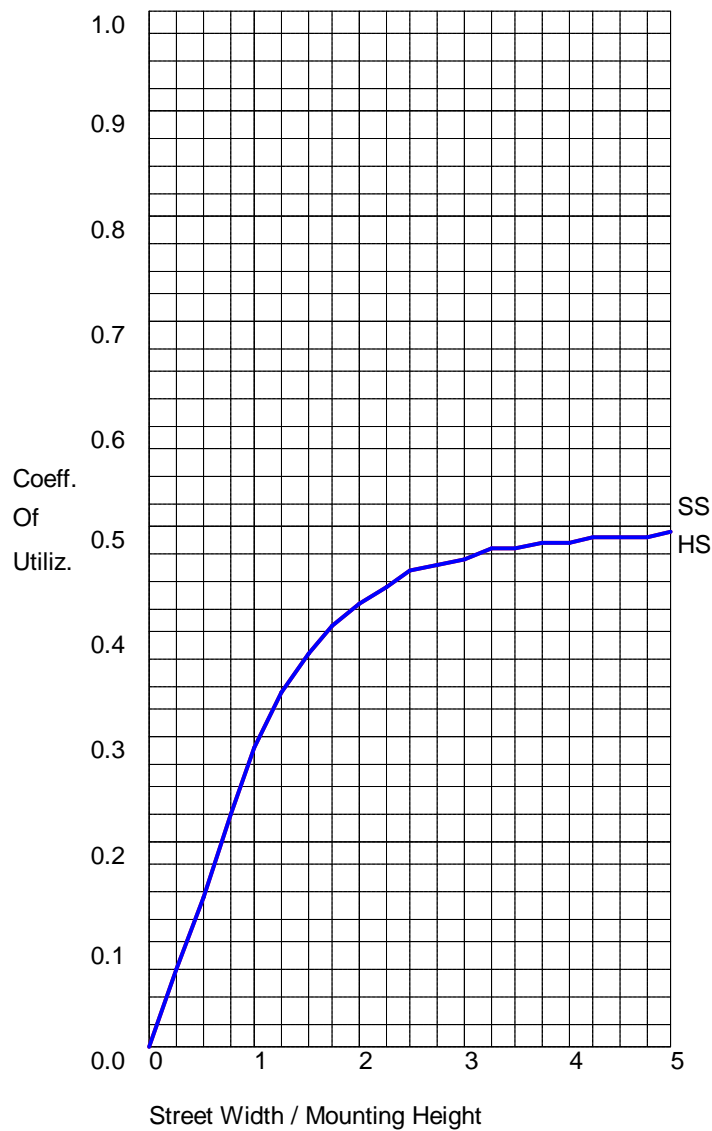
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	1341
2.5	1338
5.0	1333
7.5	1333
10.0	1370
12.5	1345
15.0	1306
17.5	1333
20.0	1323
22.5	1354
25.0	1495
27.5	1649

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CANDELA TABULATION - (Cont.)

30.0	1919
32.5	2325
35.0	2681
37.5	2842
40.0	2820
42.5	2756
45.0	2694
47.5	2654
50.0	2611
52.5	2561
55.0	2675
57.5	2719
60.0	2669
62.5	2573
65.0	2402
67.5	2166
70.0	1545
72.5	1112
75.0	825
77.5	583
80.0	300
82.5	95
85.0	33
87.5	5
90.0	0

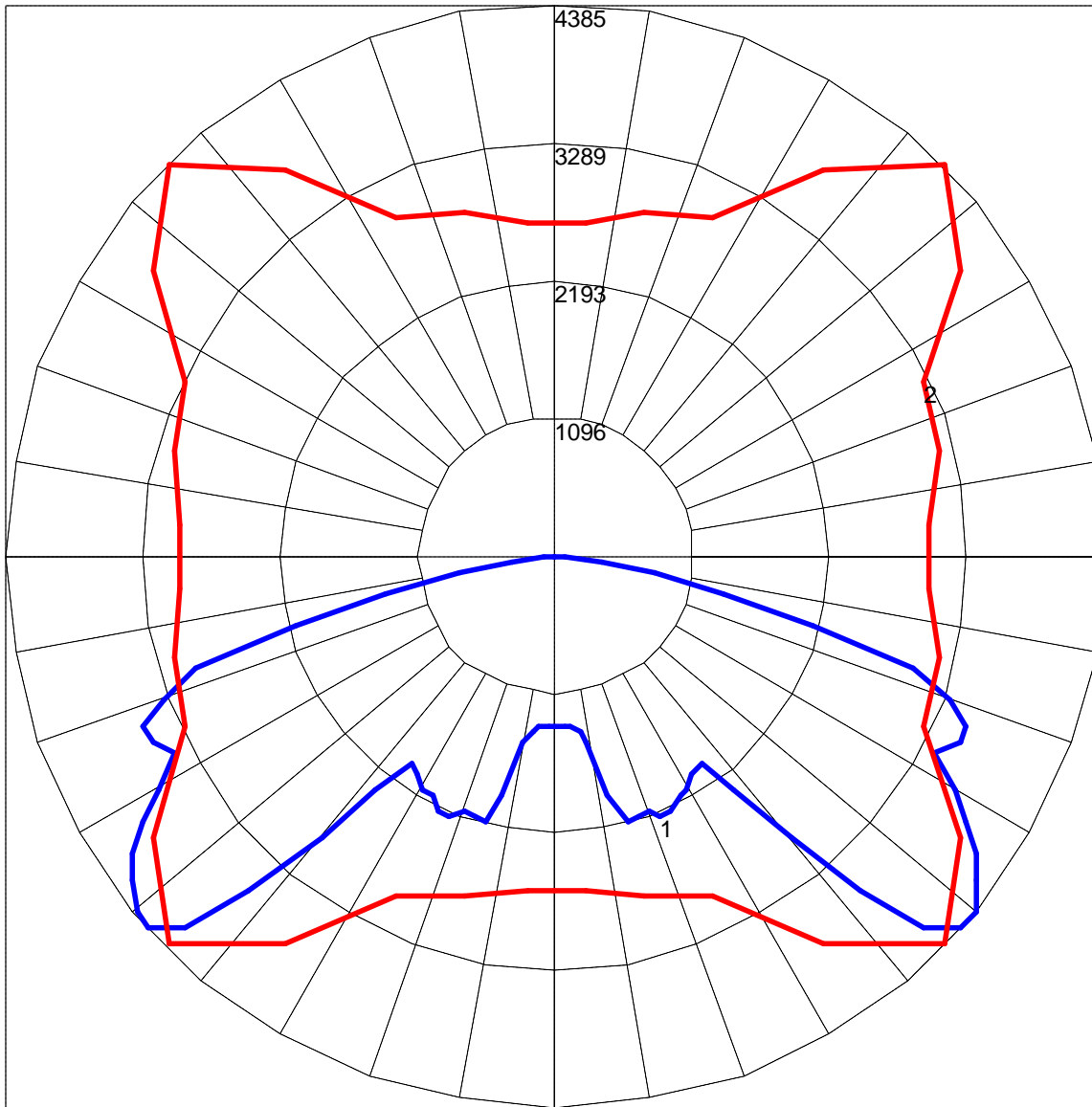
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

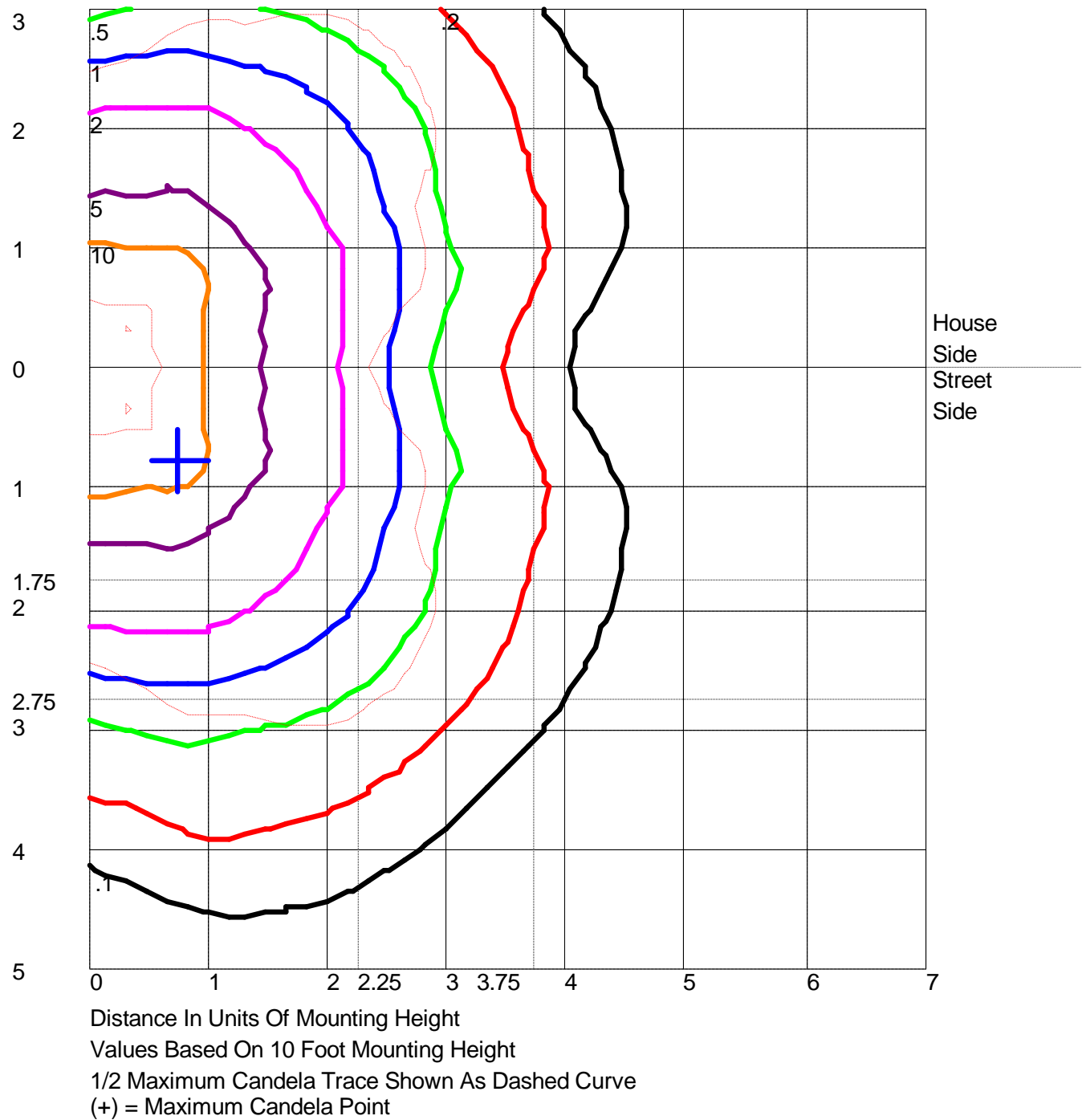
	Lumens	Percent Of Luminaire
Downward Street Side	6920.9	50.0
Downward House Side	6920.9	50.0
Downward Total	13841.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13841.8	100.0

POLAR GRAPH

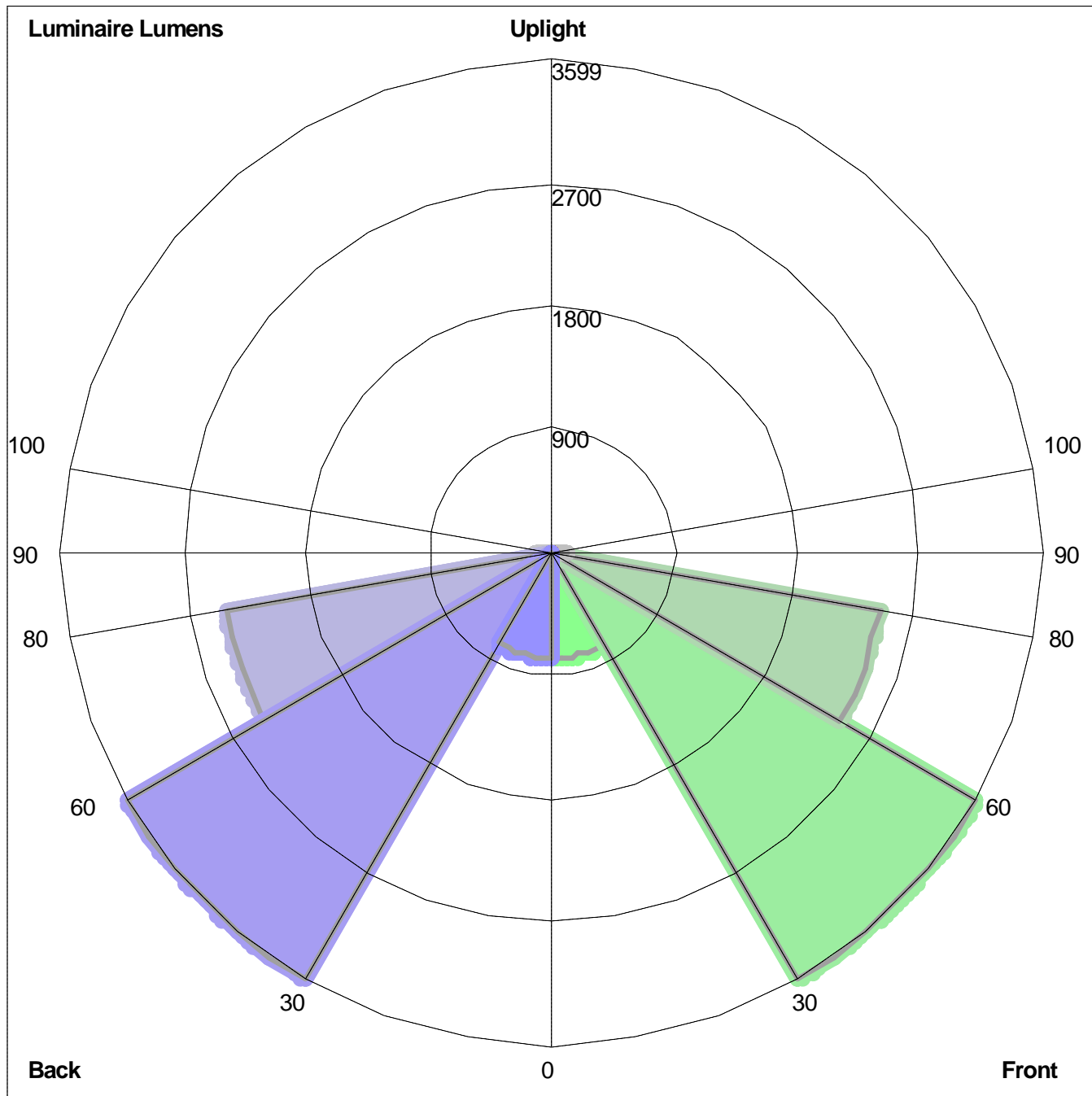


Maximum Candela = 4385 Located At Horizontal Angle = 45, Vertical Angle = 47.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=776.1, Medium=3599.5, High=2433.1, Very High=112.2
Back: Low=776.1, Medium=3599.5, High=2433.1, Very High=112.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2