



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5008
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]01/10/14
[TEST DATE]01/10/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XGBM-5-LED-SS-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	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	18044
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	186.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5839
Maximum Candela Angle	65H 62.5V
Maximum Candela (<90 Degrees Vertical)	5839
Maximum Candela Angle (<90 Degrees Vertical)	65H 62.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1166 (6.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	892.7	N.A.	4.9
FM - Front-Medium (30-60)	4734.4	N.A.	26.2
FH - Front-High (60-80)	3256.1	N.A.	18.0
FVH - Front-Very High (80-90)	139.0	N.A.	0.8
BL - Back-Low (0-30)	892.7	N.A.	4.9
BM - Back-Medium (30-60)	4734.4	N.A.	26.2
BH - Back-High (60-80)	3256.1	N.A.	18.0
BVH - Back-Very High (80-90)	139.0	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	18044.4	N.A.	100.0
BUG Rating	B4-U0-G2		

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

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	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317
2.5	1307	1307	1307	1308	1311	1313	1321	1323	1330	1331
5.0	1317	1317	1351	1394	1444	1467	1486	1478	1464	1453
7.5	1267	1276	1357	1448	1485	1488	1516	1499	1468	1440
10.0	1267	1285	1425	1514	1533	1568	1618	1650	1625	1594
12.5	1276	1314	1509	1577	1674	1784	1866	1908	1931	1915
15.0	1260	1316	1492	1670	1952	2196	2175	2048	2049	2025
17.5	1304	1380	1531	1771	2147	2406	2339	2142	2034	2050
20.0	1348	1435	1551	1854	2351	2456	2536	2294	2195	2316
22.5	1460	1561	1672	2135	2391	2562	2664	2510	2348	2483
25.0	1765	1870	1927	2409	2536	2705	2680	2615	2421	2492
27.5	2001	2087	2182	2564	2701	2764	2699	2658	2486	2514
30.0	2277	2365	2432	2647	2825	2802	2725	2752	2828	2949
32.5	2682	2765	2820	2977	2864	2869	2876	3164	3410	3544
35.0	2987	3062	3217	3437	3023	2938	3282	3777	4107	4203
37.5	3128	3214	3514	3680	3352	3228	3839	4442	4617	4611
40.0	3086	3179	3640	3758	3674	3898	4536	4827	4688	4599
42.5	2974	3065	3590	3713	3984	4659	5086	4785	4551	4439
45.0	2895	2941	3399	3746	4335	5422	5323	4689	4444	4299
47.5	2812	2808	3224	3736	4672	5818	5445	4659	4311	4172
50.0	2800	2761	3128	3636	5048	5785	5492	4559	4213	4135
52.5	2793	2794	3164	3738	5298	5610	5472	4610	4230	4262
55.0	2818	2844	3137	4037	5290	5368	5356	4912	4347	4427
57.5	2925	2970	3328	4415	5153	5048	5360	5289	4731	4794
60.0	2941	3049	3615	4773	4908	4899	5371	5806	5100	4851
62.5	2829	2974	3618	4773	4736	4943	5545	5839	4980	4499
65.0	2662	2803	3561	4446	4585	5068	5503	5309	4648	4084
67.5	2338	2514	3421	4040	4428	5157	5032	4701	4243	3551
70.0	1581	1756	3025	3371	4282	4589	4501	3740	3300	2445
72.5	1142	1285	2426	2500	3705	3940	3534	2691	2470	1793
75.0	923	1048	2020	2189	2673	2717	2503	2257	2052	1414
77.5	676	808	1462	1874	1897	1579	1841	1764	1527	1028
80.0	319	475	975	1166	1039	1069	947	1067	895	491
82.5	108	252	597	455	450	430	382	447	480	229
85.0	45	119	204	156	84	78	109	180	212	121
87.5	20	40	36	26	26	27	27	31	42	32
90.0	0	0	0	0	0	0	0	0	0	0

**Vert.
Angles** **Horizontal Angles**

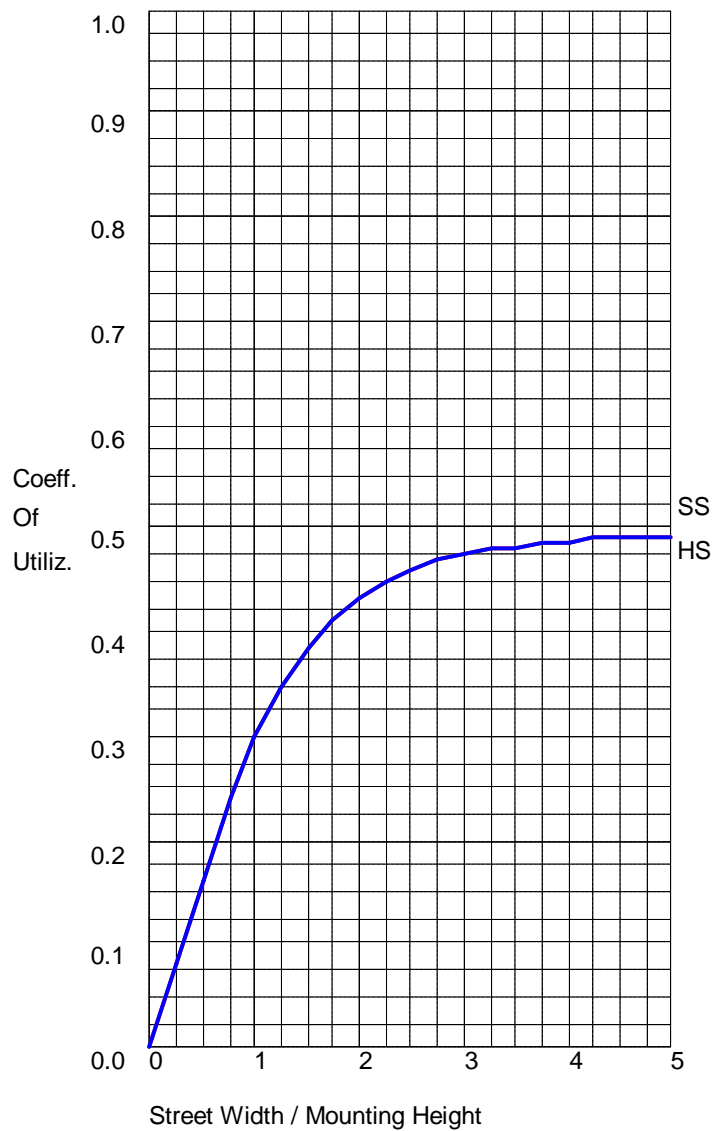
	<u>90</u>
0.0	1317
2.5	1337
5.0	1451
7.5	1443
10.0	1606
12.5	1913
15.0	2022
17.5	2054
20.0	2306
22.5	2495
25.0	2524
27.5	2542

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

CANDELA TABULATION - (Cont.)

30.0	2959
32.5	3559
35.0	4251
37.5	4603
40.0	4571
42.5	4416
45.0	4277
47.5	4149
50.0	4152
52.5	4293
55.0	4450
57.5	4815
60.0	4836
62.5	4429
65.0	3994
67.5	3447
70.0	2365
72.5	1675
75.0	1328
77.5	906
80.0	372
82.5	159
85.0	83
87.5	26
90.0	0

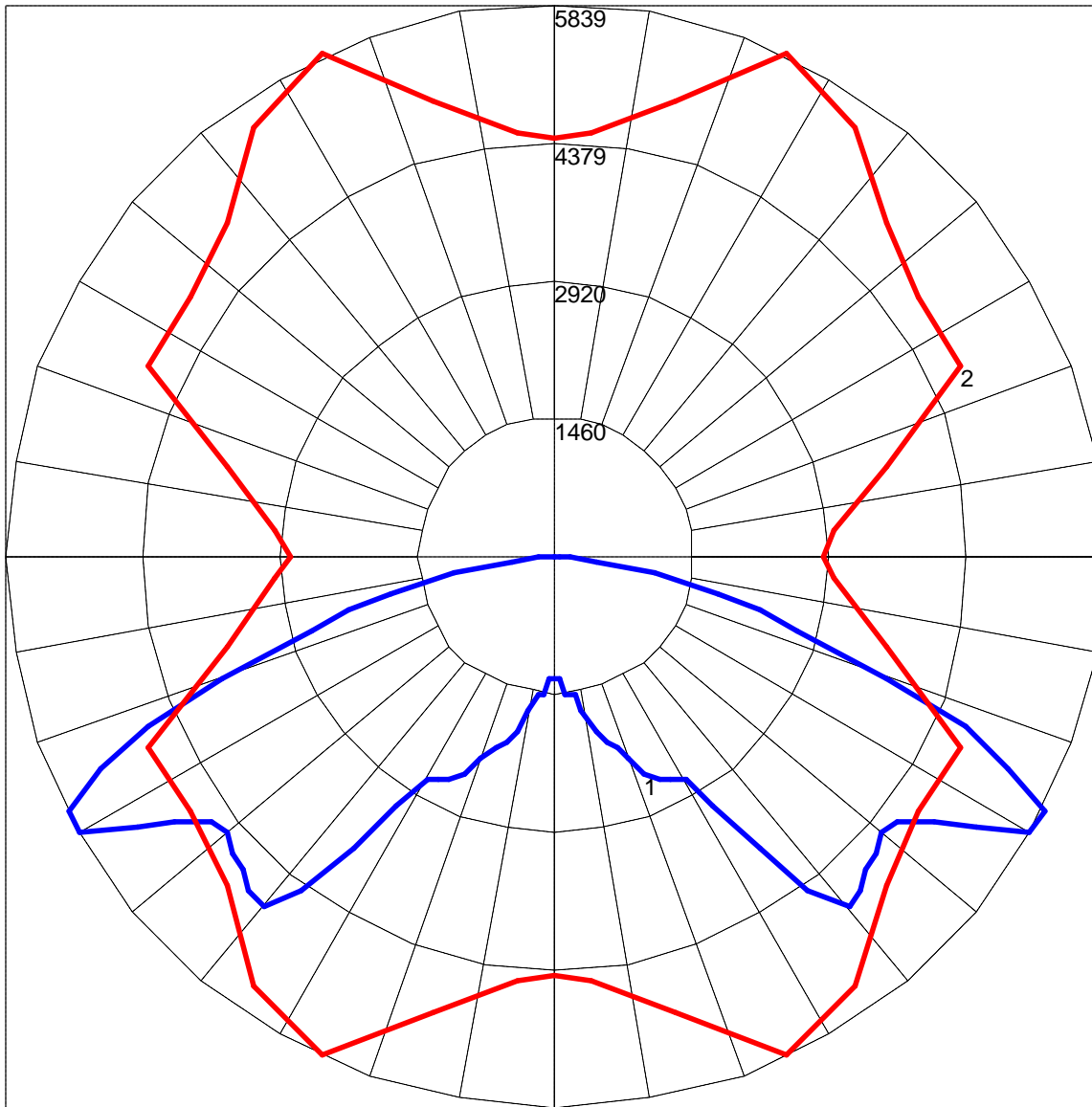
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

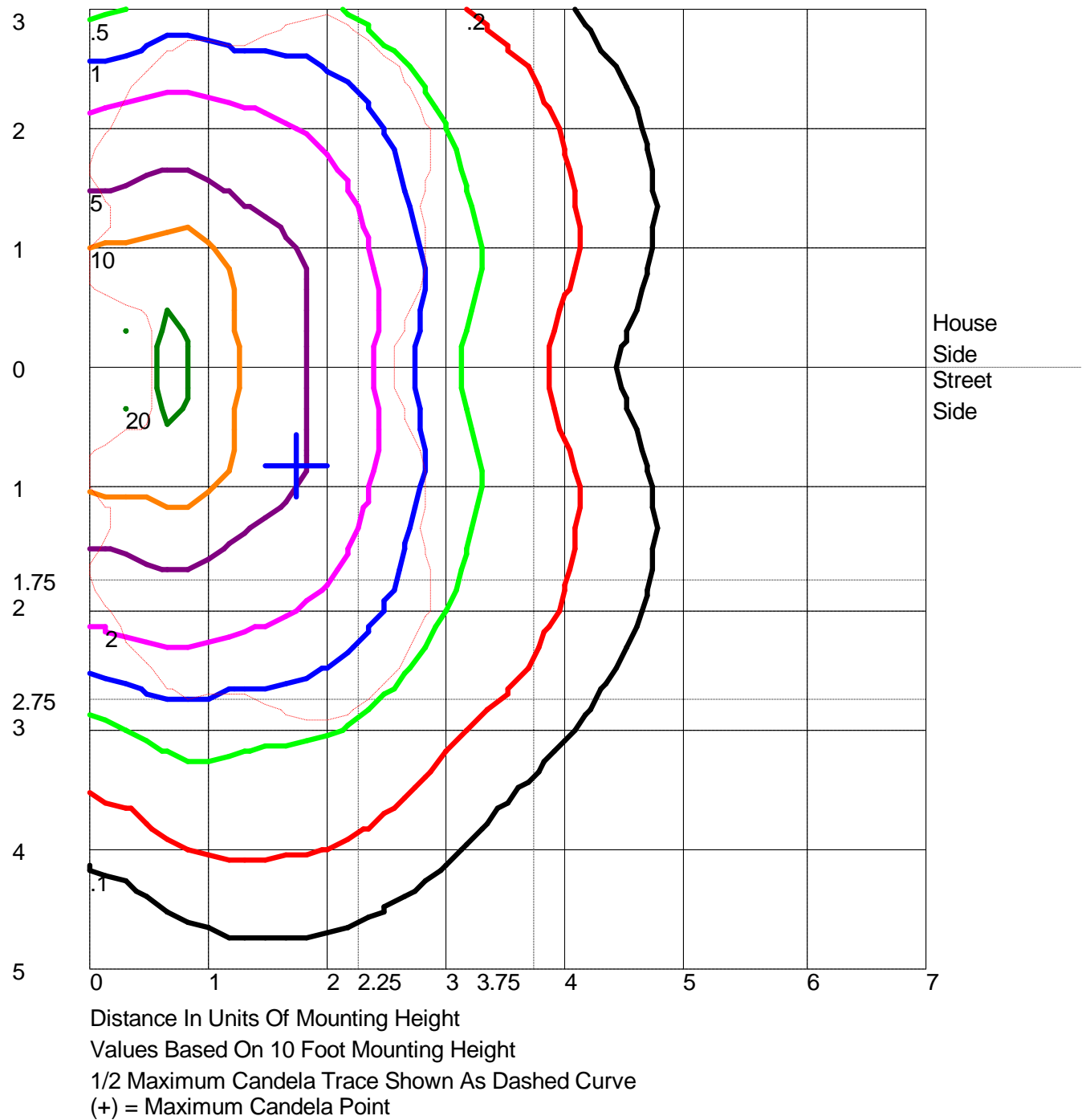
	Lumens	Percent Of Luminaire
Downward Street Side	9022.2	50.0
Downward House Side	9022.2	50.0
Downward Total	18044.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	18044.4	100.0

POLAR GRAPH

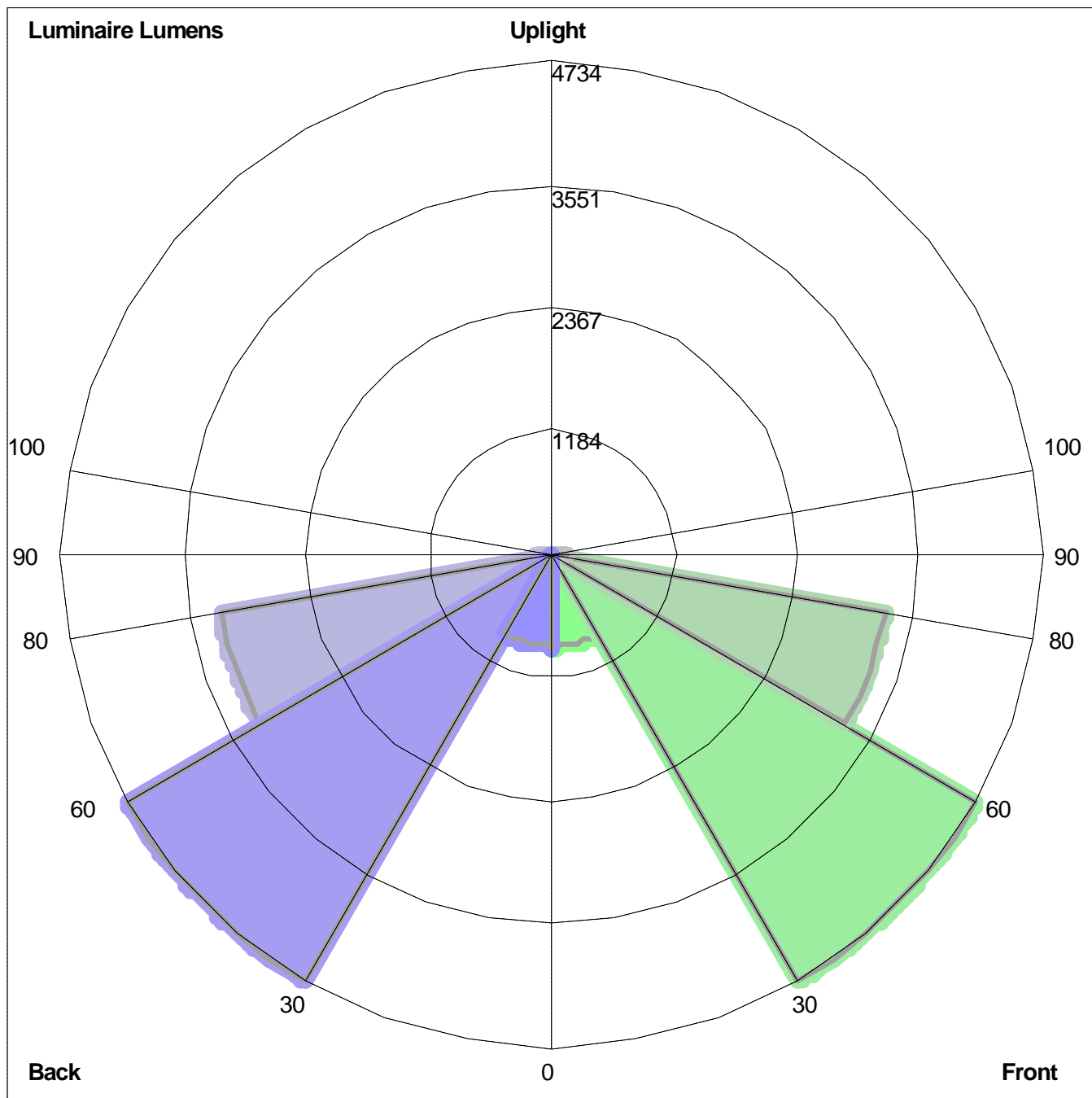


Maximum Candela = 5839 Located At Horizontal Angle = 65, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=892.7, Medium=4734.4, High=3256.1, Very High=139.0
Back: Low=892.7, Medium=4734.4, High=3256.1, Very High=139.0
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2