



IES ROAD REPORT
PHOTOMETRIC FILENAME : LXM4-PT-5W-LED-10L-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11686
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/10/20
[TEST DATE] 04/06/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] LXM4-PT-5W-LED-10L-50
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10515
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	77.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5511
Maximum Candela Angle	45H 70V
Maximum Candela (<90 Degrees Vertical)	5511
Maximum Candela Angle (<90 Degrees Vertical)	45H 70V
Maximum Candela At 90 Degrees Vertical	9 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	653 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	327.2	N.A.	3.1
FM - Front-Medium (30-60)	2242.7	N.A.	21.3
FH - Front-High (60-80)	2627.8	N.A.	25.0
FVH - Front-Very High (80-90)	51.6	N.A.	0.5
BL - Back-Low (0-30)	327.2	N.A.	3.1
BM - Back-Medium (30-60)	2242.7	N.A.	21.3
BH - Back-High (60-80)	2627.8	N.A.	25.0
BVH - Back-Very High (80-90)	51.6	N.A.	0.5
UL - Uplight-Low (90-100)	6.4	N.A.	0.1
UH - Uplight-High (100-180)	10.5	N.A.	0.1
Total	10515.5	N.A.	100.0
BUG Rating	B4-U2-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	548	548	548	548	548	548	548	548	548	548
2.5	546	545	547	547	550	548	547	543	542	543
5.0	517	514	516	527	524	521	516	517	507	514
7.5	516	509	508	508	504	499	513	522	538	525
10.0	519	515	511	495	510	513	531	533	549	548
12.5	575	567	560	542	548	543	551	571	573	578
15.0	625	611	596	610	610	601	599	602	621	633
17.5	660	661	644	657	676	678	660	650	674	678
20.0	721	733	715	734	741	736	739	703	724	753
22.5	789	776	797	808	820	827	833	790	797	838
25.0	849	850	870	888	912	918	946	926	872	920
27.5	953	949	975	1001	1018	1042	1051	1058	986	1011
30.0	1030	1034	1050	1102	1134	1181	1205	1191	1105	1095
32.5	1183	1170	1179	1207	1268	1330	1367	1338	1234	1189
35.0	1276	1292	1293	1342	1406	1505	1528	1484	1372	1293
37.5	1446	1440	1422	1448	1566	1648	1690	1646	1535	1408
40.0	1533	1542	1572	1607	1718	1832	1847	1804	1676	1497
42.5	1621	1633	1658	1732	1892	1968	1996	1930	1783	1585
45.0	1715	1729	1752	1848	2015	2095	2097	2036	1888	1672
47.5	1811	1829	1861	1962	2112	2183	2192	2142	2001	1778
50.0	1916	1939	1975	2060	2204	2274	2290	2249	2115	1903
52.5	2031	2058	2094	2166	2301	2372	2387	2368	2245	2030
55.0	2159	2191	2217	2289	2401	2487	2496	2494	2380	2165
57.5	2313	2340	2373	2431	2524	2624	2633	2657	2545	2315
60.0	2516	2527	2570	2617	2712	2839	2859	2869	2746	2511
62.5	2704	2725	2795	2887	3028	3210	3170	3161	3019	2752
65.0	2913	2943	3030	3187	3462	3736	3642	3541	3349	3036
67.5	2961	3019	3187	3524	4021	4445	4254	4009	3734	3335
70.0	2496	2567	2828	3445	4630	5511	4997	4246	3512	2873
72.5	1529	1559	1880	2546	3907	5367	4445	3196	2231	1659
75.0	513	512	705	1286	2585	3864	2900	1620	950	711
77.5	238	254	311	474	1049	1838	1171	675	418	326
80.0	112	115	139	215	420	653	493	287	176	156
82.5	71	71	76	102	166	227	166	128	105	106
85.0	47	46	48	58	83	97	86	76	65	67
87.5	26	26	26	29	37	40	36	34	29	27
90.0	6	7	8	8	9	9	8	7	7	5
92.5	5	5	6	6	7	9	8	7	6	5
95.0	4	4	5	6	7	8	8	7	6	4
97.5	4	4	4	5	6	7	6	6	5	4
100.0	3	3	4	4	4	5	5	5	4	3
102.5	3	3	3	3	4	4	4	4	3	2
105.0	2	2	3	3	3	3	3	3	3	2
107.5	2	2	3	3	3	3	3	3	2	2
110.0	2	2	3	3	3	3	3	3	2	2
112.5	2	2	3	3	3	3	3	3	2	2
115.0	2	2	3	3	3	3	3	3	2	2
117.5	2	2	3	3	3	3	3	3	3	2
120.0	3	3	3	3	4	4	3	3	3	3
122.5	3	3	3	4	4	4	3	3	3	3
125.0	3	3	3	4	4	4	3	3	3	3
127.5	3	3	3	4	4	4	3	3	3	3
130.0	3	3	3	3	3	3	3	3	3	3

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CANDELA TABULATION - (Cont.)

132.5	3	3	3	3	3	3	3	3	3	3
135.0	2	2	3	3	3	3	2	2	3	3
137.5	1	1	1	1	1	1	1	1	1	1
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

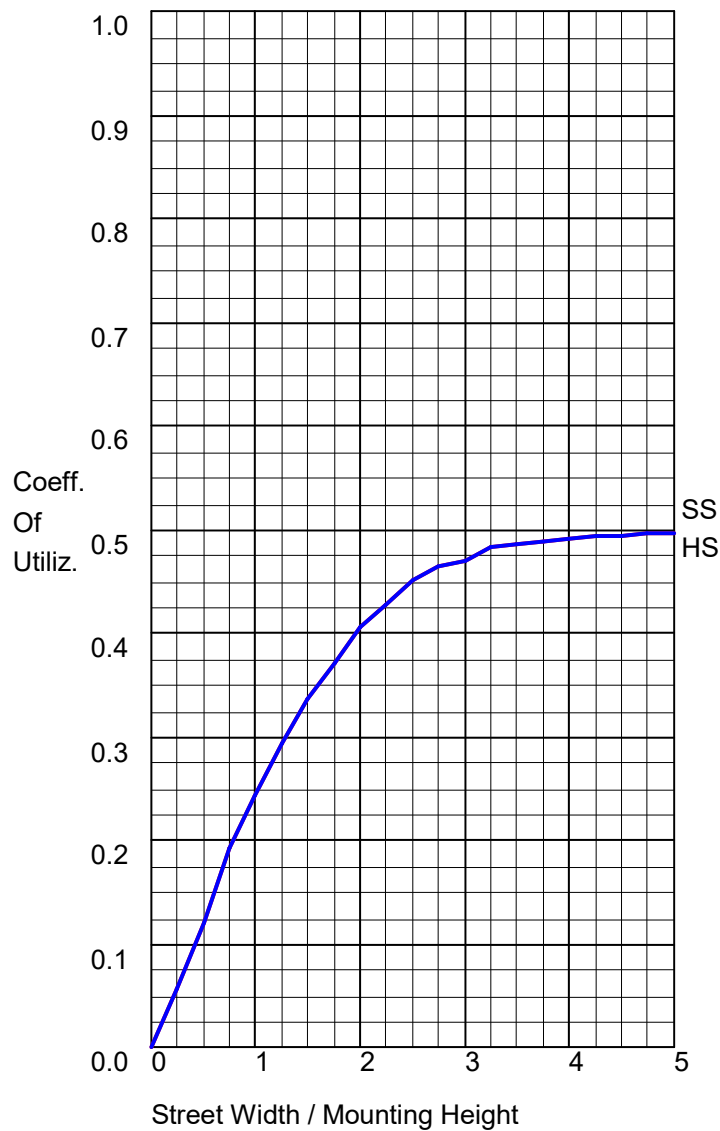
	90
0.0	548
2.5	546
5.0	519
7.5	527
10.0	543
12.5	588
15.0	631
17.5	687
20.0	748
22.5	825
25.0	918
27.5	1001
30.0	1107
32.5	1193
35.0	1300
37.5	1419
40.0	1502
42.5	1583
45.0	1673
47.5	1775
50.0	1882
52.5	1985
55.0	2104
57.5	2258
60.0	2436
62.5	2650
65.0	2899
67.5	3198
70.0	2692
72.5	1557
75.0	681
77.5	315

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CANDELA TABULATION - (Cont.)

80.0	154
82.5	107
85.0	63
87.5	23
90.0	4
92.5	3
95.0	3
97.5	3
100.0	2
102.5	2
105.0	2
107.5	2
110.0	2
112.5	2
115.0	2
117.5	2
120.0	3
122.5	3
125.0	3
127.5	3
130.0	3
132.5	3
135.0	3
137.5	1
140.0	0
142.5	0
145.0	0
147.5	0
150.0	0
152.5	0
155.0	0
157.5	0
160.0	0
162.5	0
165.0	0
167.5	0
170.0	0
172.5	0
175.0	0
177.5	0
180.0	0

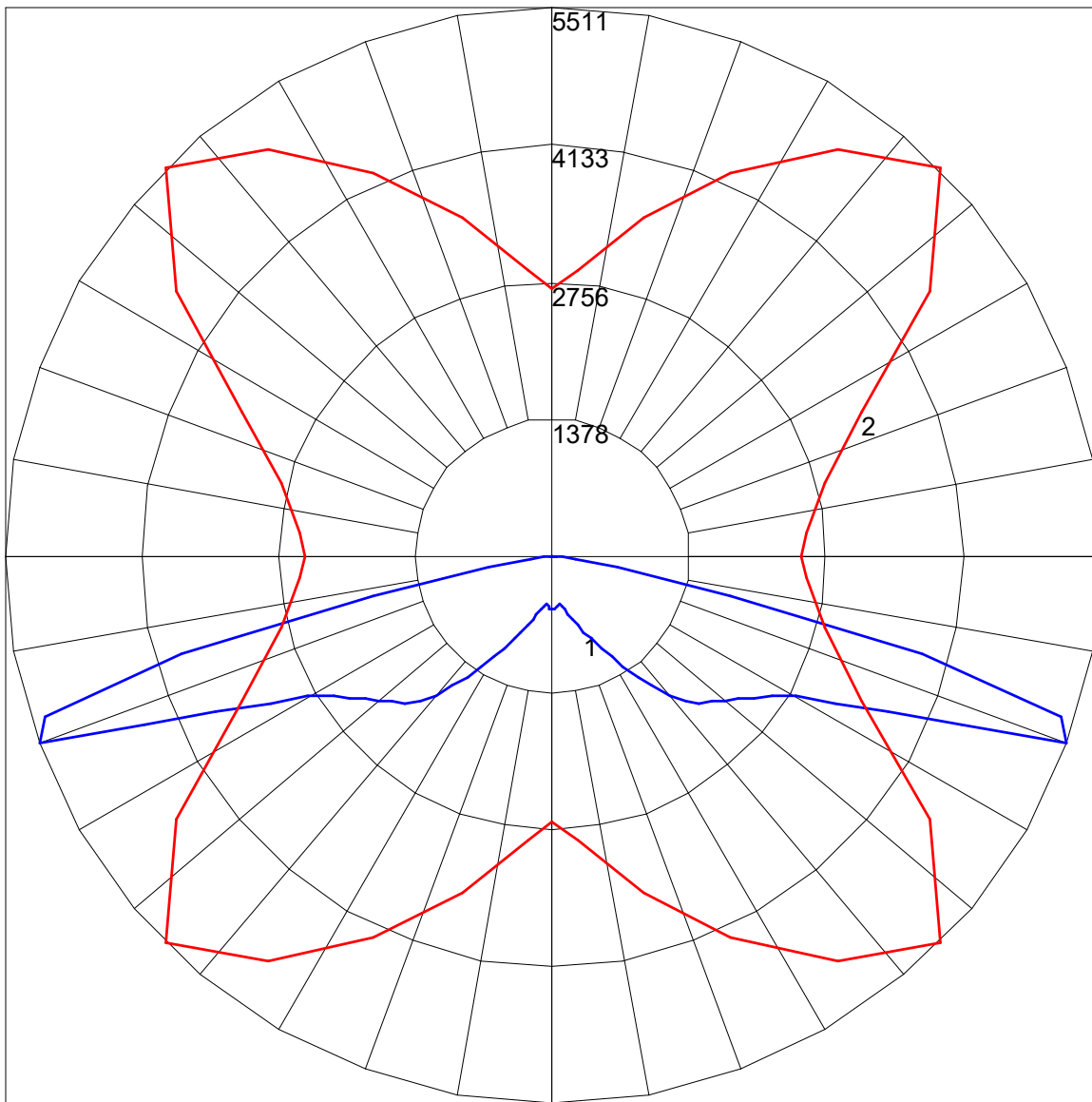
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

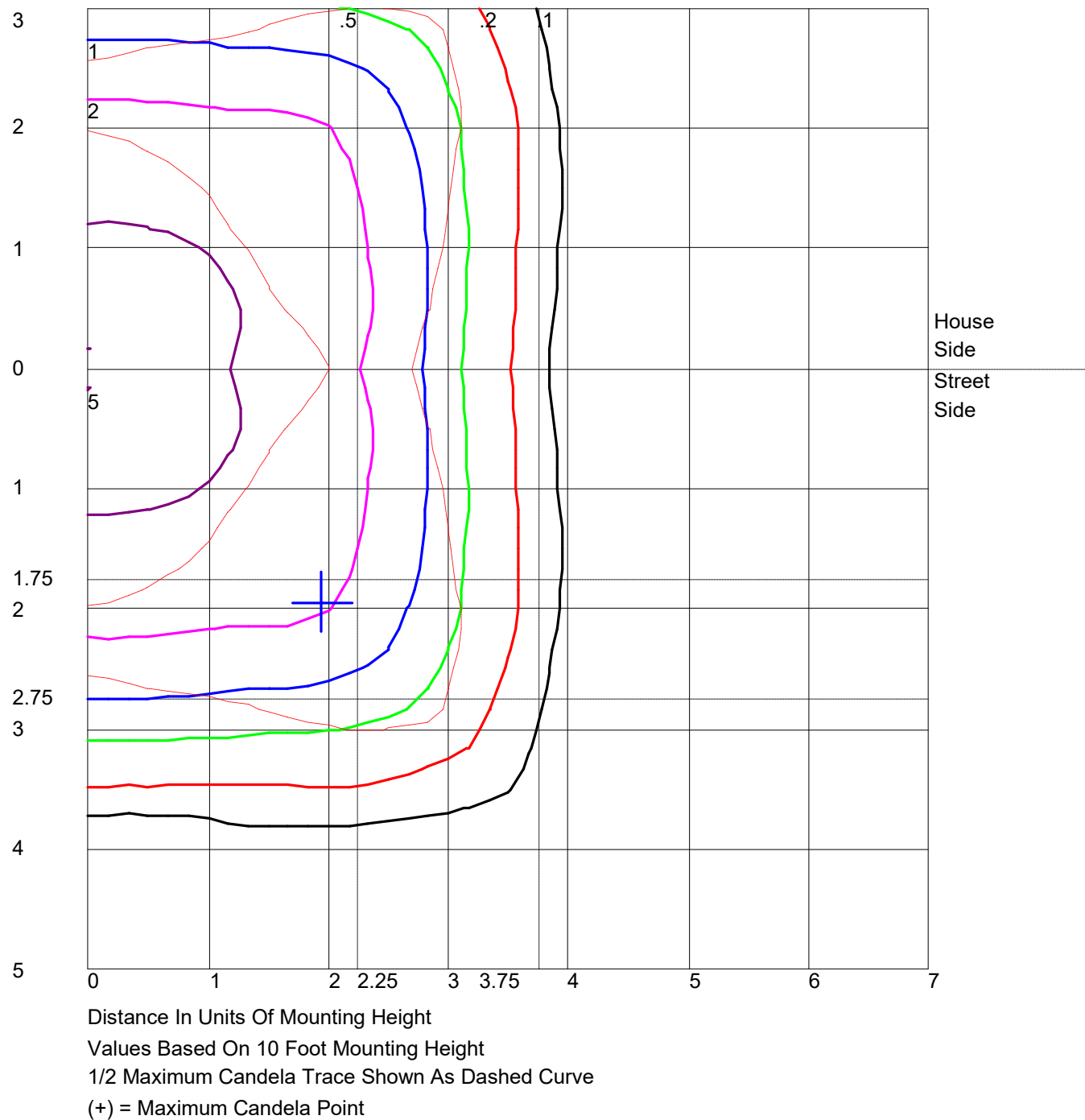
	Lumens	Percent Of Luminaire
Downward Street Side	5249.2	49.9
Downward House Side	5249.2	49.9
Downward Total	10498.4	99.8
Upward Street Side	8.5	0.1
Upward House Side	8.5	0.1
Upward Total	17.0	0.2
Total Flux	10515.4	100.0

POLAR GRAPH

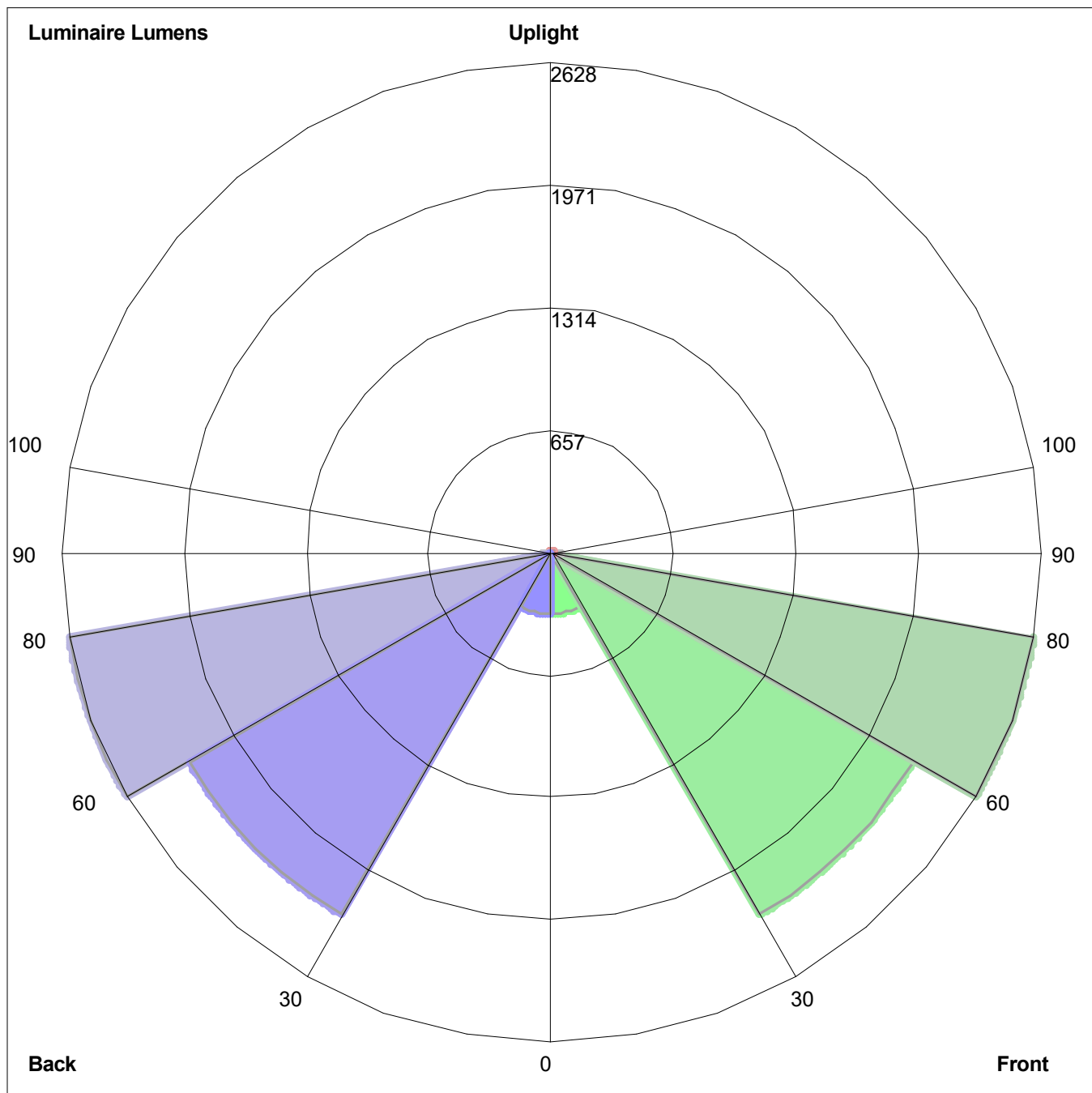


Maximum Candela = 5511 Located At Horizontal Angle = 45, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=327.2, Medium=2242.7, High=2627.8, Very High=51.6
Back: Low=327.2, Medium=2242.7, High=2627.8, Very High=51.6
Uplight: Low=6.4, High=10.5

BUG Rating : B4-U2-G2