



IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-30-70CRI.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-10408
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 01/23/2020
[TEST DATE] 07/19/18
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] EXN-EGLED-11L-T5W-30-70CRI
[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	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10630
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	87
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2740
Maximum Candela Angle	15H 60V
Maximum Candela (<90 Degrees Vertical)	2740
Maximum Candela Angle (<90 Degrees Vertical)	15H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1095 (10.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	395.0	N.A.	3.7
FM - Front-Medium (30-60)	2537.0	N.A.	23.9
FH - Front-High (60-80)	2142.7	N.A.	20.2
FVH - Front-Very High (80-90)	240.3	N.A.	2.3
BL - Back-Low (0-30)	395.0	N.A.	3.7
BM - Back-Medium (30-60)	2537.0	N.A.	23.9
BH - Back-High (60-80)	2142.7	N.A.	20.2
BVH - Back-Very High (80-90)	240.3	N.A.	2.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	10630.0	N.A.	100.0
BUG Rating	B3-U0-G3		

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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	463	463	463	463	463	463	463	463	463	463
2.5	465	465	465	465	465	464	464	464	464	464
5.0	481	481	482	482	481	480	480	480	480	480
7.5	512	512	514	514	513	512	510	510	511	511
10.0	556	559	559	559	559	555	553	553	554	555
12.5	620	619	622	621	619	616	613	610	612	613
15.0	698	699	699	698	695	692	687	686	687	687
17.5	797	794	793	790	786	783	781	779	777	775
20.0	905	902	901	896	892	889	888	884	880	877
22.5	1026	1023	1023	1017	1012	1011	1004	1003	997	993
25.0	1159	1159	1156	1149	1143	1139	1135	1130	1126	1120
27.5	1302	1301	1296	1289	1281	1278	1272	1266	1258	1253
30.0	1447	1450	1438	1432	1429	1418	1411	1404	1398	1396
32.5	1591	1594	1589	1582	1571	1558	1550	1541	1533	1531
35.0	1728	1733	1729	1722	1709	1696	1683	1673	1667	1668
37.5	1861	1867	1866	1862	1845	1824	1810	1800	1793	1794
40.0	1987	1996	1990	1988	1972	1949	1932	1919	1912	1916
42.5	2108	2112	2110	2107	2092	2066	2044	2031	2024	2029
45.0	2211	2223	2226	2225	2208	2180	2151	2136	2138	2141
47.5	2314	2325	2344	2340	2323	2295	2257	2236	2251	2254
50.0	2414	2427	2457	2454	2436	2411	2357	2342	2363	2367
52.5	2507	2527	2561	2563	2549	2516	2456	2439	2468	2479
55.0	2584	2607	2651	2661	2648	2605	2537	2520	2560	2577
57.5	2630	2660	2715	2726	2710	2668	2590	2573	2624	2644
60.0	2637	2674	2740	2735	2721	2693	2605	2588	2651	2655
62.5	2595	2639	2715	2693	2678	2671	2572	2556	2627	2613
65.0	2503	2553	2633	2606	2592	2591	2489	2473	2549	2528
67.5	2363	2417	2498	2472	2459	2458	2356	2341	2415	2398
70.0	2175	2237	2307	2286	2274	2265	2172	2161	2232	2216
72.5	1940	2008	2064	2047	2030	2019	1955	1941	1988	1977
75.0	1673	1741	1767	1764	1740	1735	1696	1683	1704	1694
77.5	1369	1435	1435	1426	1411	1414	1398	1388	1388	1374
80.0	1046	1095	1077	1064	1069	1073	1069	1063	1054	1043
82.5	714	732	711	715	715	716	729	726	714	702
85.0	366	390	383	388	390	385	386	400	391	389
87.5	112	116	120	124	129	127	127	130	137	143
90.0	0	0	0	0	0	0	0	0	0	0

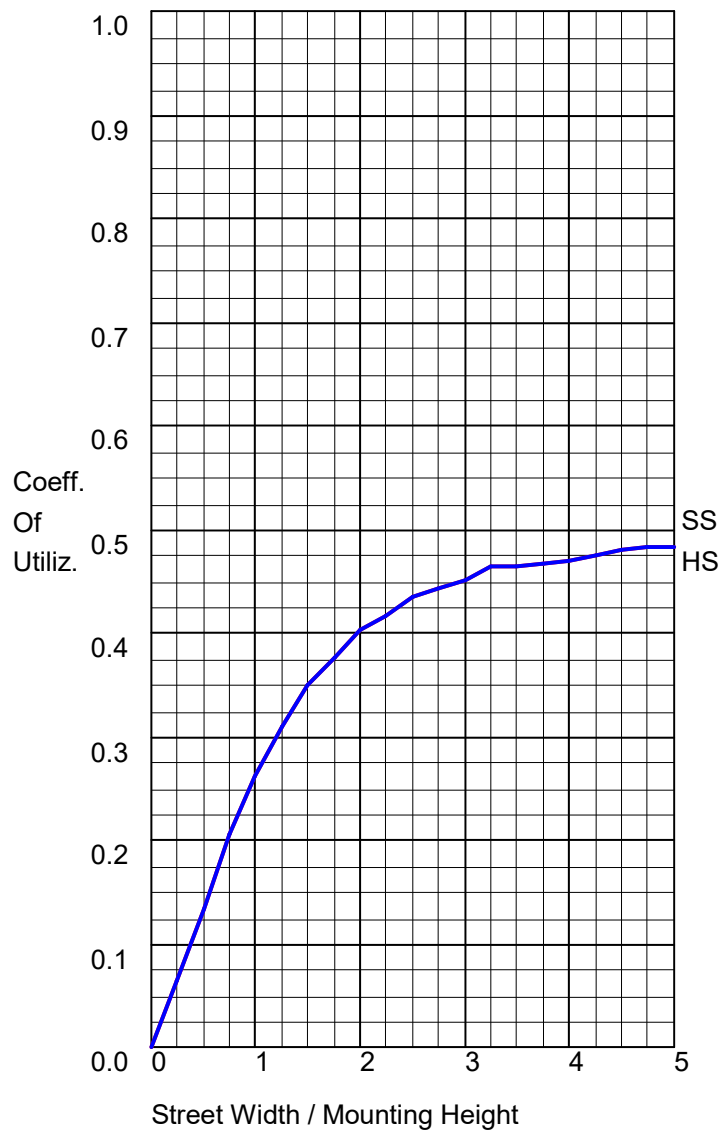
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	463
2.5	464
5.0	481
7.5	511
10.0	555
12.5	613
15.0	686
17.5	774
20.0	875
22.5	991
25.0	1118
27.5	1258

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CANDELA TABULATION - (Cont.)

30.0	1395
32.5	1530
35.0	1669
37.5	1793
40.0	1910
42.5	2025
45.0	2141
47.5	2257
50.0	2373
52.5	2482
55.0	2580
57.5	2638
60.0	2637
62.5	2588
65.0	2504
67.5	2386
70.0	2216
72.5	1991
75.0	1702
77.5	1373
80.0	1045
82.5	708
85.0	393
87.5	145
90.0	0

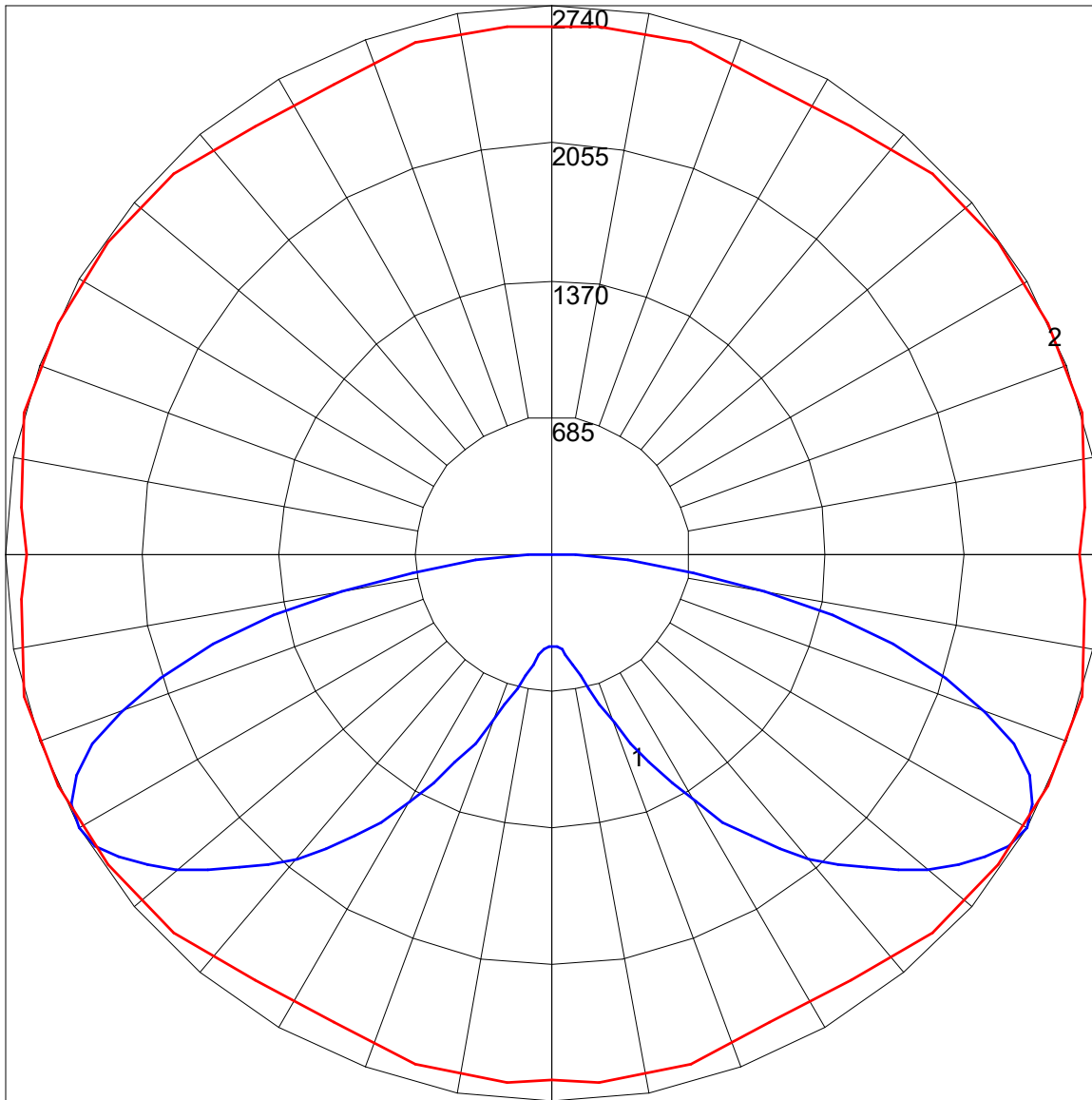
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

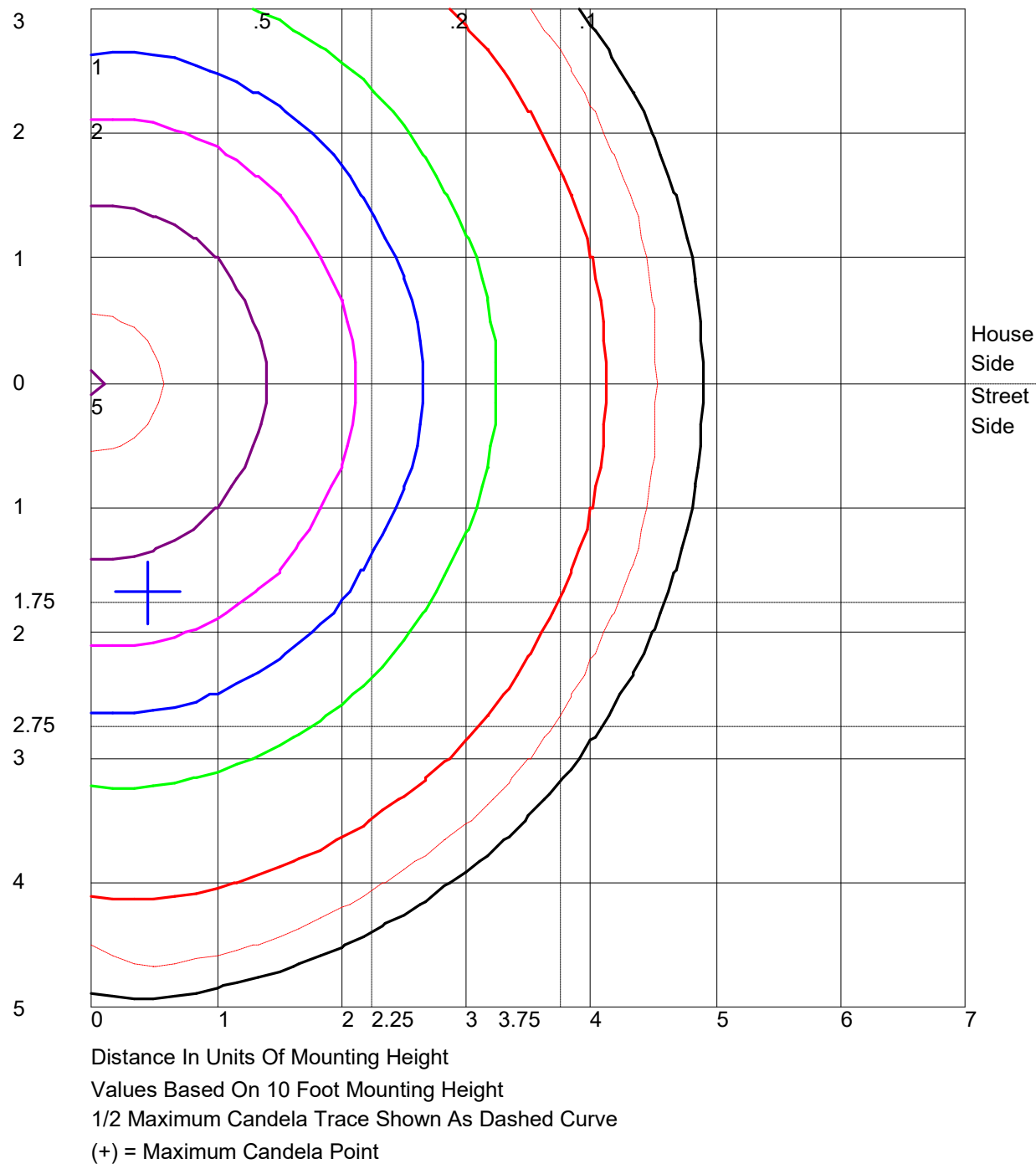
	Lumens	Percent Of Luminaire
Downward Street Side	5315.0	50.0
Downward House Side	5315.0	50.0
Downward Total	10630.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	10630.0	100.0

POLAR GRAPH

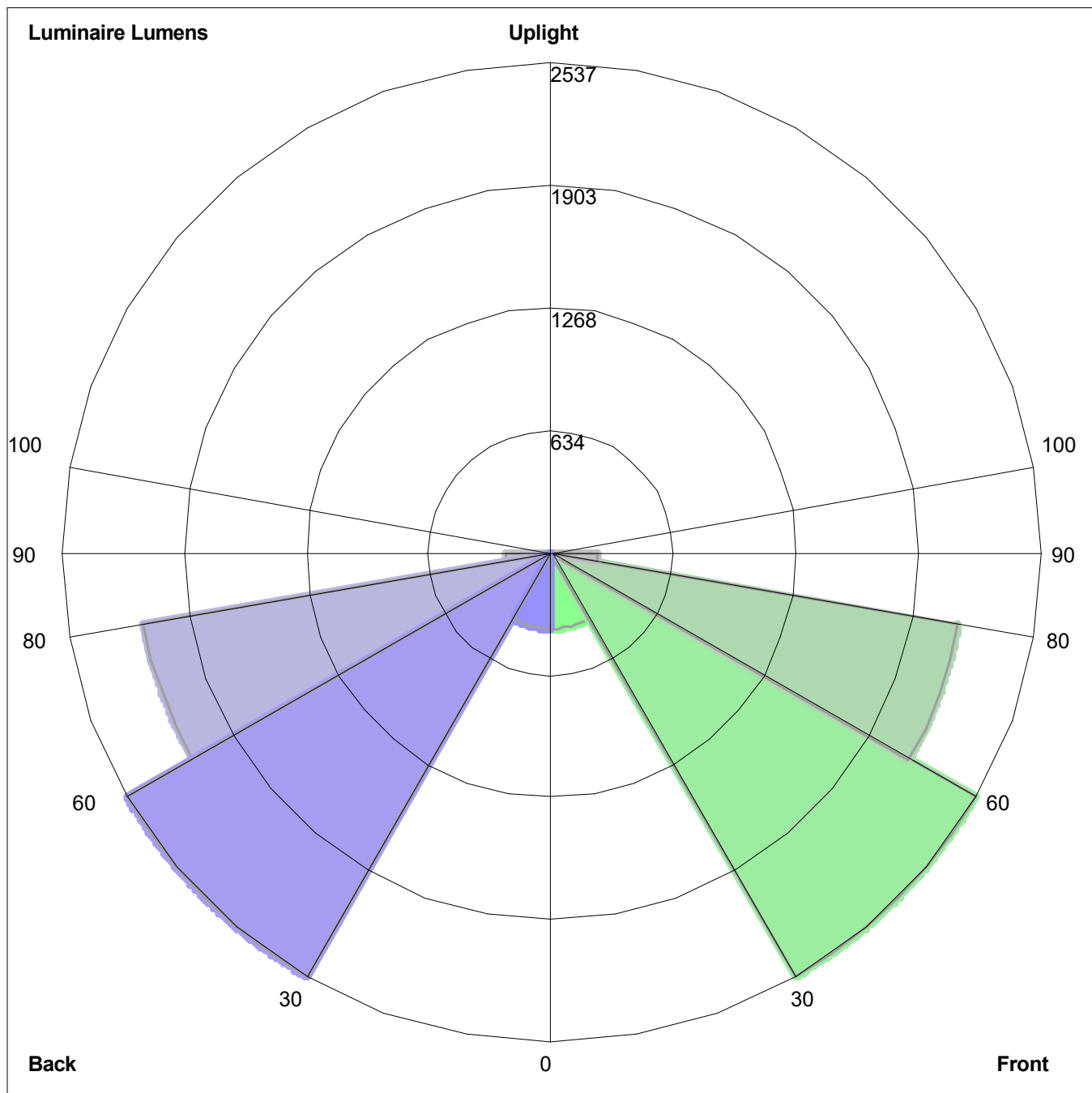


Maximum Candela = 2740 Located At Horizontal Angle = 15, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=395.0, Medium= 2537.0, High=2142.7, Very High=240.3
Back: Low=395.0, Medium= 2537.0, High=2142.7, Very High=240.3
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3