



IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5N-30-70CRI.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-10477_scaled

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 01/23/2020

[TEST DATE] 08/04/18

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] EXN-EGLED-11L-T5N-30-70CRI

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] SCALED FROM ORIGINAL TEST DATA

[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	10830
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	87
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2563
Maximum Candela Angle	5H 47.5V
Maximum Candela (<90 Degrees Vertical)	2563
Maximum Candela Angle (<90 Degrees Vertical)	5H 47.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	791 (7.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	779.0	N.A.	7.2
FM - Front-Medium (30-60)	2818.3	N.A.	26.0
FH - Front-High (60-80)	1639.9	N.A.	15.1
FVH - Front-Very High (80-90)	177.9	N.A.	1.6
BL - Back-Low (0-30)	779.0	N.A.	7.2
BM - Back-Medium (30-60)	2818.3	N.A.	26.0
BH - Back-High (60-80)	1639.9	N.A.	15.1
BVH - Back-Very High (80-90)	177.9	N.A.	1.6
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	10830.2	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	1467	1467	1467	1467	1467	1467	1467	1467	1467	1467
2.5	1470	1470	1470	1470	1470	1468	1470	1470	1470	1470
5.0	1485	1483	1483	1483	1485	1483	1485	1485	1485	1485
7.5	1511	1511	1509	1509	1509	1512	1511	1511	1511	1511
10.0	1550	1550	1551	1550	1550	1550	1550	1551	1550	1551
12.5	1599	1599	1601	1602	1601	1601	1601	1601	1599	1601
15.0	1662	1662	1665	1665	1663	1663	1662	1662	1662	1663
17.5	1736	1738	1738	1740	1740	1738	1736	1736	1738	1740
20.0	1818	1820	1823	1823	1823	1821	1818	1818	1823	1823
22.5	1910	1913	1913	1913	1913	1915	1911	1913	1913	1915
25.0	2011	2010	2010	2010	2010	2011	2010	2013	2010	2010
27.5	2115	2112	2108	2108	2108	2110	2112	2113	2110	2108
30.0	2210	2207	2203	2203	2203	2205	2208	2207	2205	2203
32.5	2297	2297	2293	2291	2291	2293	2295	2295	2295	2291
35.0	2376	2376	2373	2370	2371	2375	2375	2375	2375	2373
37.5	2442	2442	2441	2439	2437	2439	2439	2439	2441	2441
40.0	2495	2495	2495	2493	2492	2492	2492	2493	2493	2493
42.5	2532	2534	2532	2532	2529	2529	2529	2531	2531	2532
45.0	2556	2558	2555	2553	2551	2549	2553	2553	2553	2553
47.5	2563	2563	2561	2555	2553	2555	2556	2558	2558	2556
50.0	2549	2546	2548	2539	2538	2539	2538	2538	2544	2541
52.5	2512	2510	2512	2505	2502	2504	2499	2500	2507	2507
55.0	2458	2454	2456	2449	2446	2446	2442	2446	2451	2451
57.5	2381	2380	2380	2373	2366	2366	2368	2370	2373	2375
60.0	2278	2281	2278	2271	2266	2268	2268	2273	2276	2274
62.5	2151	2161	2157	2149	2144	2145	2147	2151	2154	2152
65.0	2010	2020	2006	1999	2003	2003	2005	2010	2008	2003
67.5	1855	1855	1847	1838	1835	1835	1842	1847	1845	1842
70.0	1674	1672	1672	1660	1657	1662	1663	1663	1670	1665
72.5	1472	1468	1477	1470	1467	1467	1453	1451	1477	1475
75.0	1259	1242	1261	1268	1265	1251	1229	1232	1254	1271
77.5	1029	1000	1020	1044	1035	1013	995	996	1013	1046
80.0	791	760	767	779	789	760	759	762	766	791
82.5	552	530	513	535	538	519	530	530	518	533
85.0	321	302	287	300	300	292	302	307	292	300
87.5	104	98	93	97	97	95	100	104	95	98
90.0	0	0	0	0	0	0	0	0	0	0

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

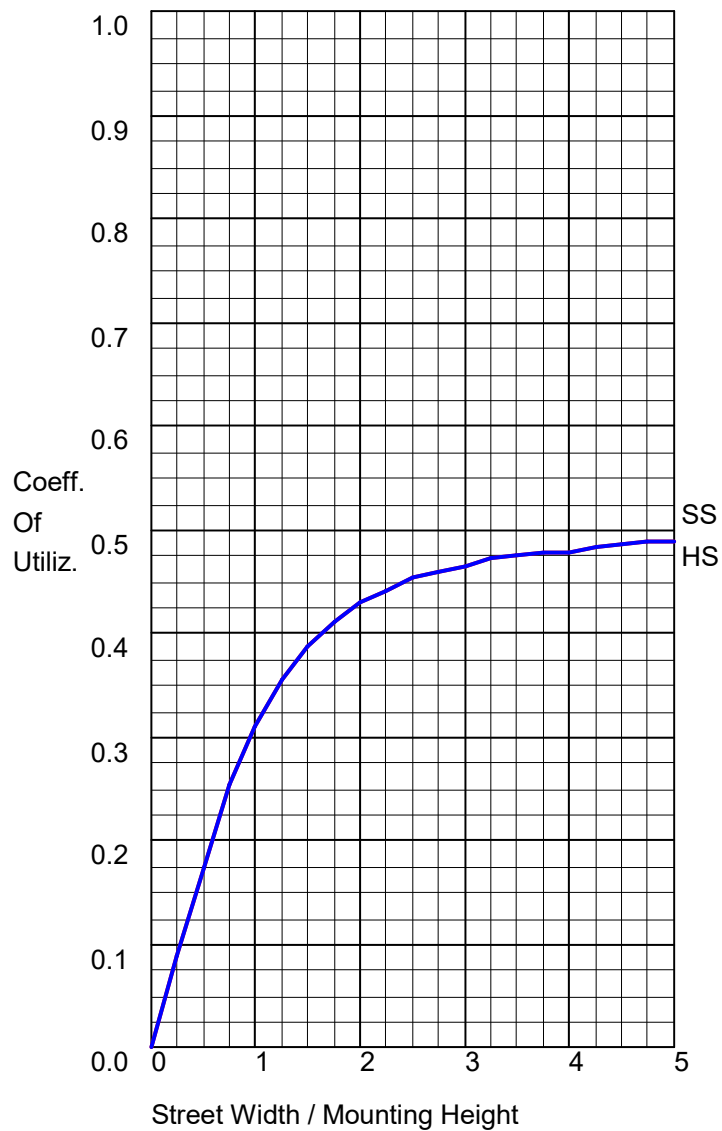
	<u>90</u>
0.0	1467
2.5	1472
5.0	1483
7.5	1509
10.0	1548
12.5	1599
15.0	1667
17.5	1740
20.0	1825
22.5	1915
25.0	2010
27.5	2106

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CANDELA TABULATION - (Cont.)

30.0	2203
32.5	2291
35.0	2370
37.5	2439
40.0	2493
42.5	2532
45.0	2553
47.5	2553
50.0	2538
52.5	2504
55.0	2448
57.5	2366
60.0	2263
62.5	2135
65.0	1993
67.5	1833
70.0	1648
72.5	1443
75.0	1220
77.5	993
80.0	764
82.5	511
85.0	292
87.5	100
90.0	0

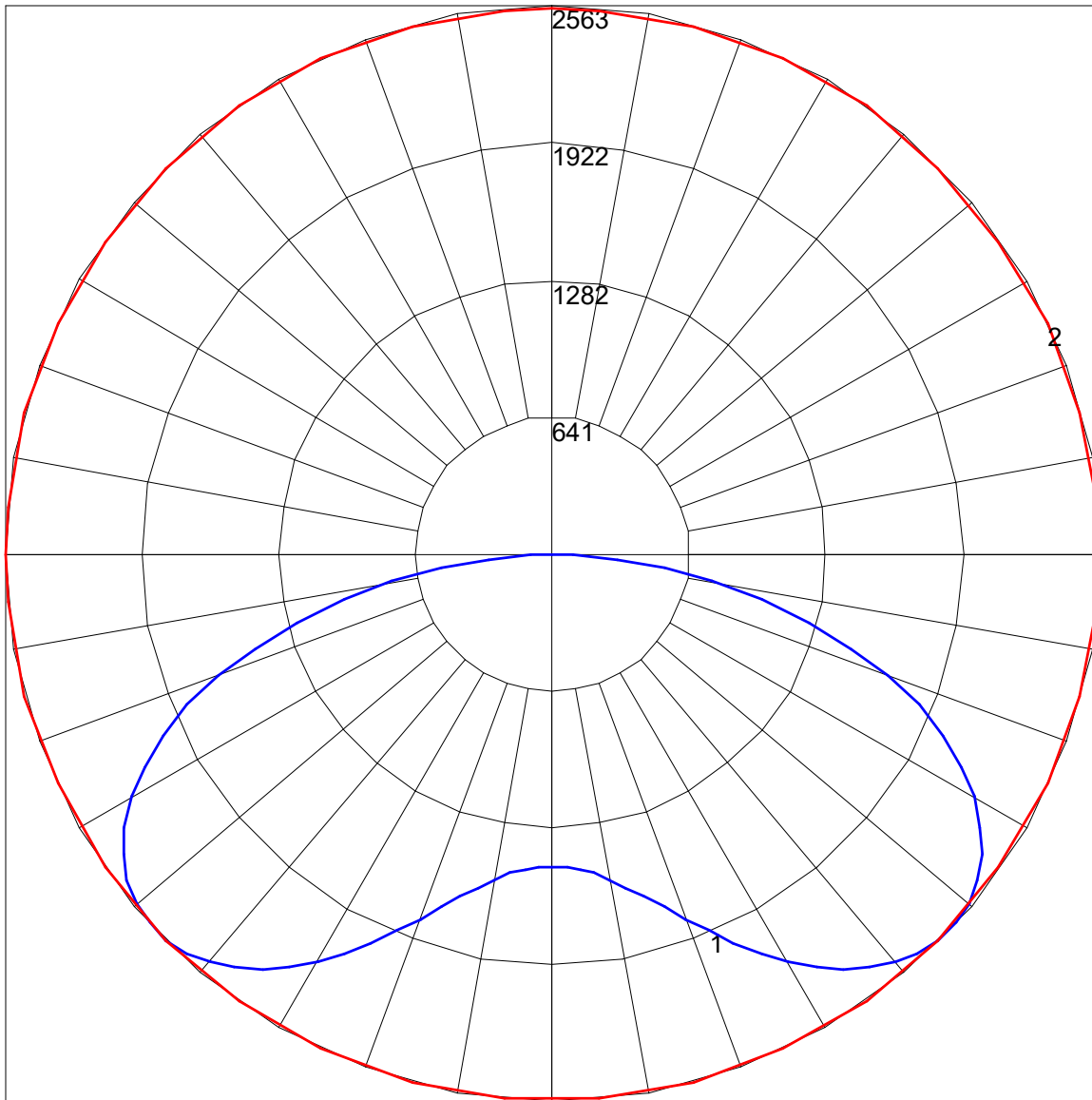
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

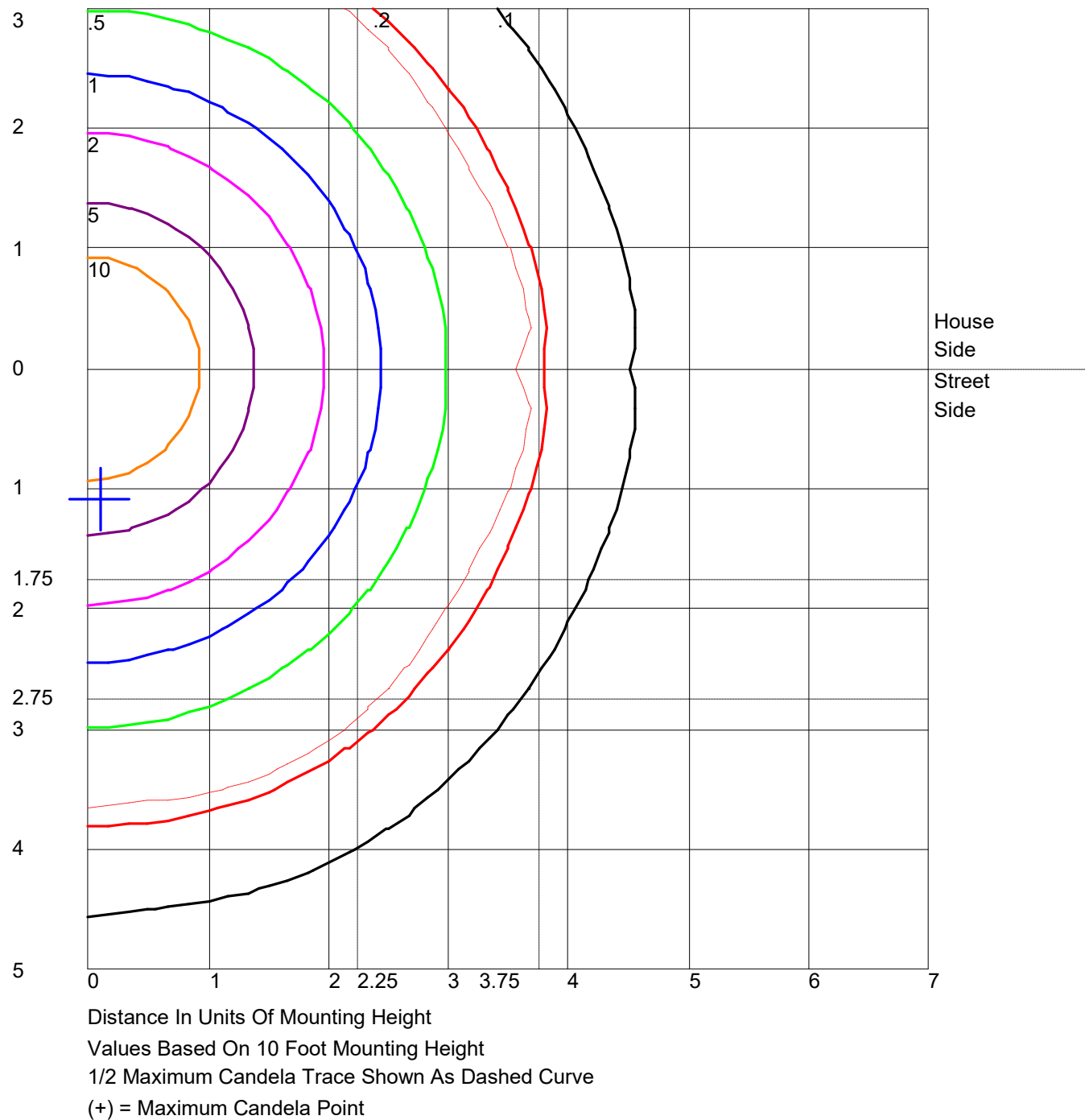
	Lumens	Percent Of Luminaire
Downward Street Side	5415.1	50.0
Downward House Side	5415.1	50.0
Downward Total	10830.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	10830.2	100.0

POLAR GRAPH

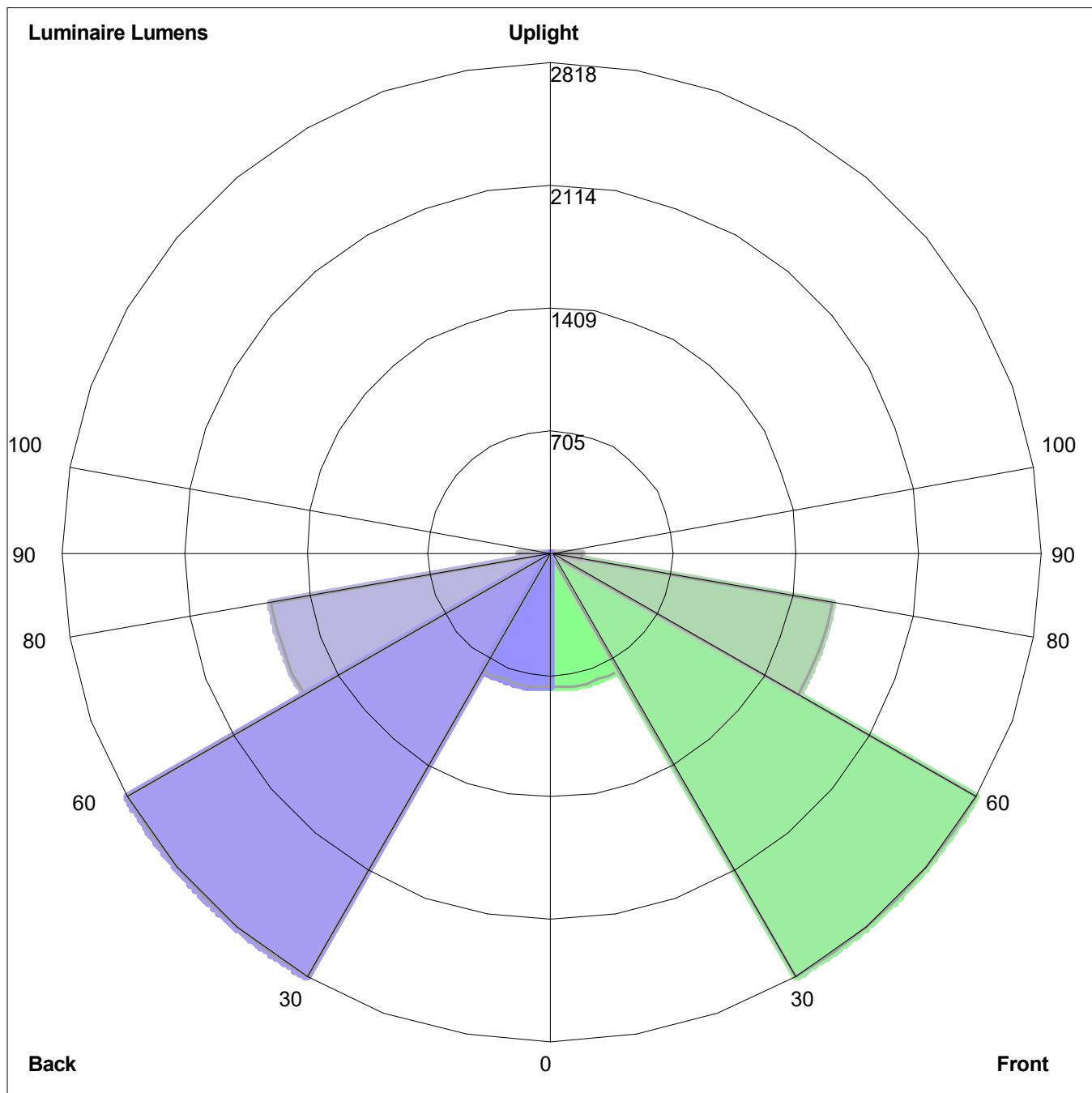


Maximum Candela = 2563 Located At Horizontal Angle = 5, Vertical Angle = 47.5
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=779.0, Medium=2818.3, High=1639.9, Very High=177.9
Back: Low=779.0, Medium=2818.3, High=1639.9, Very High=177.9
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2