



## IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-10L-T5W-30-70CRI.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-10405  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 01/23/2020  
[TEST DATE] 07/19/18  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] EXN-EGLED-10L-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	9560
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	76
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2467
Maximum Candela Angle	15H 60V
Maximum Candela (<90 Degrees Vertical)	2467
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	984 (10.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : EXN-EGLED-10L-T5W-30-70CRI.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	354.2	N.A.	3.7
FM - Front-Medium (30-60)	2279.8	N.A.	23.8
FH - Front-High (60-80)	1928.6	N.A.	20.2
FVH - Front-Very High (80-90)	217.6	N.A.	2.3
BL - Back-Low (0-30)	354.2	N.A.	3.7
BM - Back-Medium (30-60)	2279.8	N.A.	23.8
BH - Back-High (60-80)	1928.6	N.A.	20.2
BVH - Back-Very High (80-90)	217.6	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	9560.4	N.A.	100.0
BUG Rating	B3-U0-G2		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : EXN-EGLED-10L-T5W-30-70CRI.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	415	415	415	415	415	415	415	415	415	415
2.5	417	417	417	417	417	417	416	416	416	416
5.0	431	432	432	432	431	431	430	430	430	430
7.5	460	460	460	460	459	459	456	456	456	456
10.0	501	501	501	501	500	498	496	496	496	496
12.5	558	555	555	555	553	552	552	548	548	549
15.0	629	625	625	624	622	618	619	617	616	615
17.5	712	709	709	706	703	703	703	700	696	694
20.0	810	809	805	801	798	798	796	793	791	785
22.5	919	918	917	909	905	907	901	896	896	892
25.0	1039	1041	1036	1028	1026	1023	1016	1011	1010	1005
27.5	1167	1169	1169	1163	1157	1146	1138	1133	1129	1128
30.0	1298	1299	1298	1296	1284	1271	1264	1257	1251	1253
32.5	1426	1428	1429	1424	1413	1396	1389	1380	1373	1375
35.0	1548	1556	1555	1550	1539	1522	1508	1499	1494	1497
37.5	1668	1679	1675	1669	1657	1639	1622	1615	1610	1612
40.0	1788	1792	1788	1783	1770	1751	1734	1722	1718	1719
42.5	1895	1898	1893	1890	1878	1855	1840	1828	1818	1821
45.0	1988	1994	1998	1995	1983	1957	1935	1919	1917	1923
47.5	2078	2089	2103	2099	2086	2064	2028	2014	2021	2025
50.0	2169	2182	2208	2205	2189	2165	2119	2104	2126	2126
52.5	2257	2272	2305	2307	2293	2262	2207	2192	2219	2231
55.0	2325	2345	2387	2398	2381	2342	2281	2265	2300	2318
57.5	2368	2394	2444	2450	2436	2400	2330	2314	2360	2375
60.0	2372	2405	2467	2458	2445	2424	2345	2329	2386	2386
62.5	2330	2374	2446	2423	2410	2404	2312	2298	2365	2352
65.0	2248	2295	2372	2347	2335	2332	2235	2223	2296	2277
67.5	2123	2178	2252	2229	2217	2213	2114	2101	2172	2163
70.0	1961	2011	2074	2063	2044	2034	1958	1946	2004	1994
72.5	1750	1810	1852	1837	1825	1818	1763	1753	1789	1780
75.0	1509	1570	1583	1569	1564	1563	1529	1521	1541	1531
77.5	1237	1289	1286	1277	1268	1277	1261	1256	1252	1243
80.0	947	984	973	967	961	964	967	964	953	938
82.5	633	659	651	653	650	643	654	653	640	638
85.0	349	351	355	358	358	353	345	346	350	358
87.5	105	106	112	119	117	114	118	123	124	132
90.0	0	0	0	0	0	0	0	0	0	0

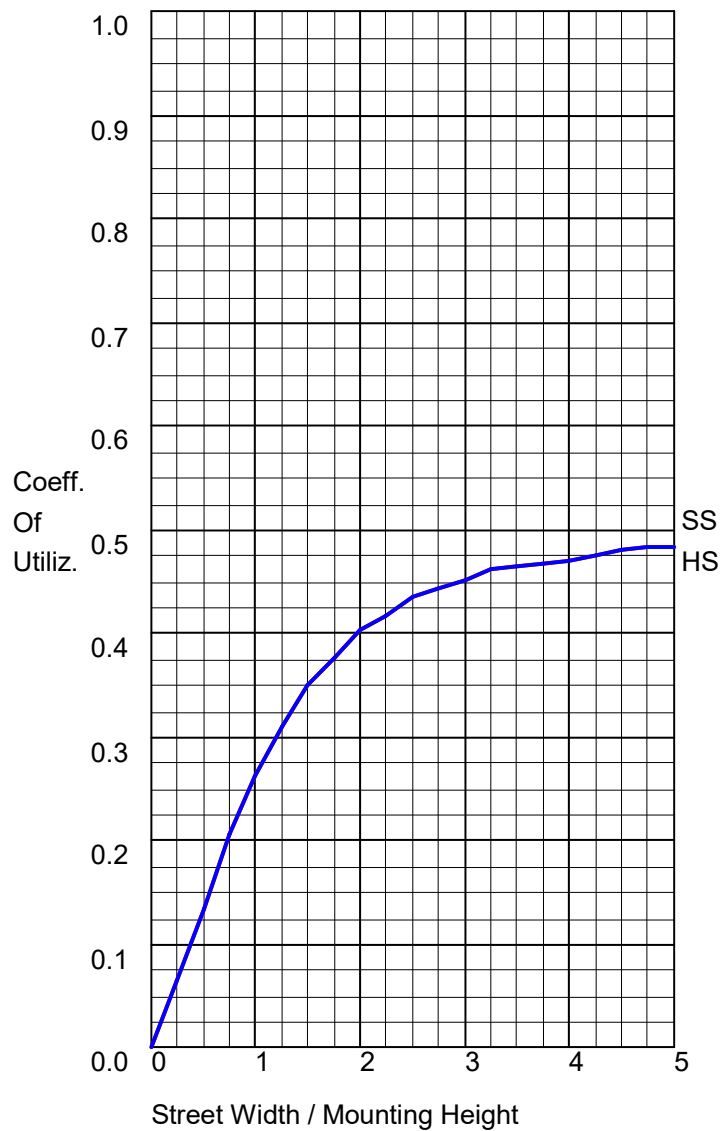
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	415
2.5	416
5.0	430
7.5	456
10.0	497
12.5	548
15.0	615
17.5	693
20.0	785
22.5	888
25.0	1002
27.5	1123

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : EXN-EGLED-10L-T5W-30-70CRI.IES**

**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	1258
<b>32.5</b>	1380
<b>35.0</b>	1498
<b>37.5</b>	1610
<b>40.0</b>	1715
<b>42.5</b>	1818
<b>45.0</b>	1923
<b>47.5</b>	2028
<b>50.0</b>	2131
<b>52.5</b>	2235
<b>55.0</b>	2318
<b>57.5</b>	2370
<b>60.0</b>	2369
<b>62.5</b>	2329
<b>65.0</b>	2255
<b>67.5</b>	2150
<b>70.0</b>	1999
<b>72.5</b>	1783
<b>75.0</b>	1522
<b>77.5</b>	1240
<b>80.0</b>	945
<b>82.5</b>	643
<b>85.0</b>	359
<b>87.5</b>	136
<b>90.0</b>	0

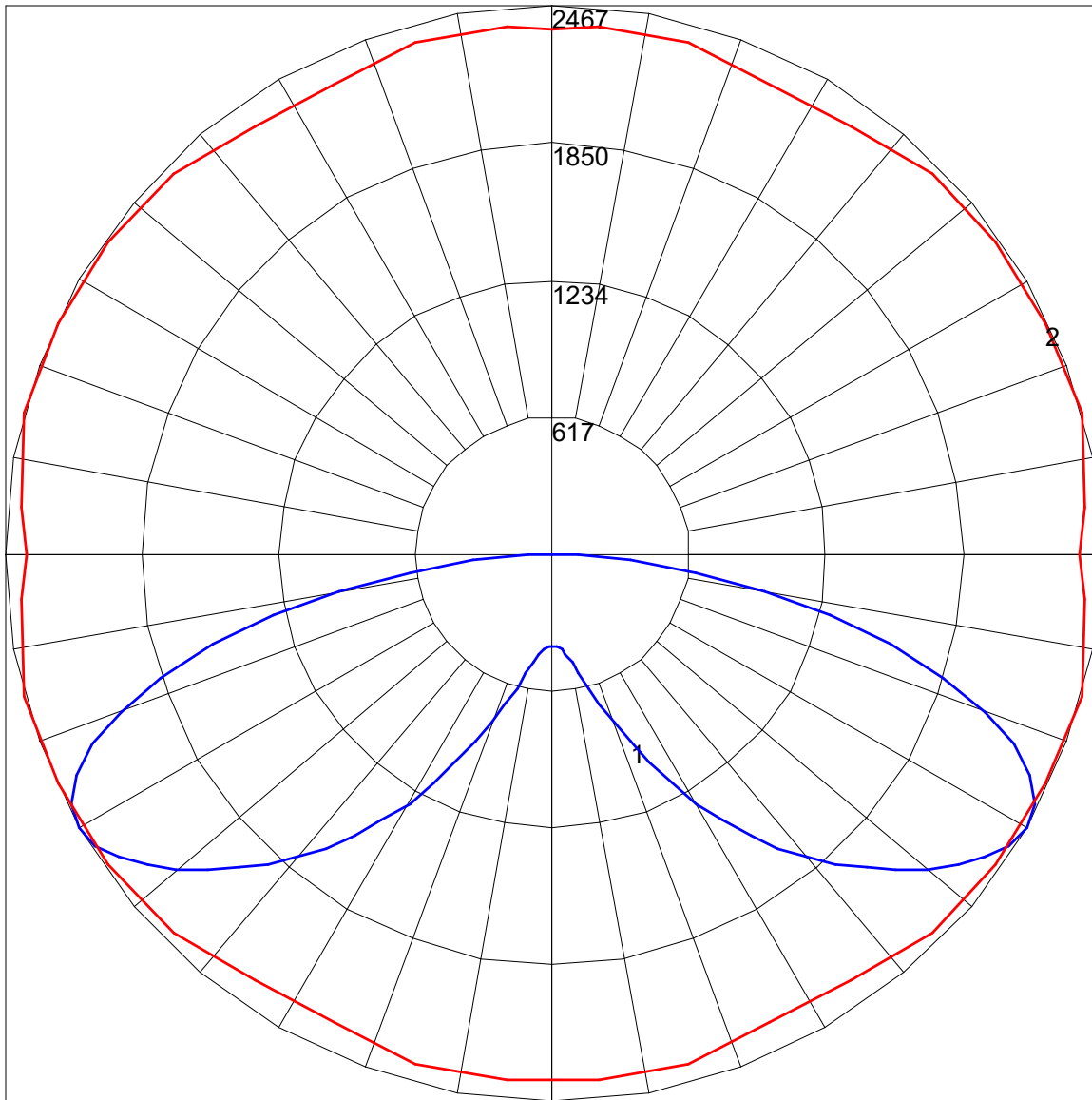
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

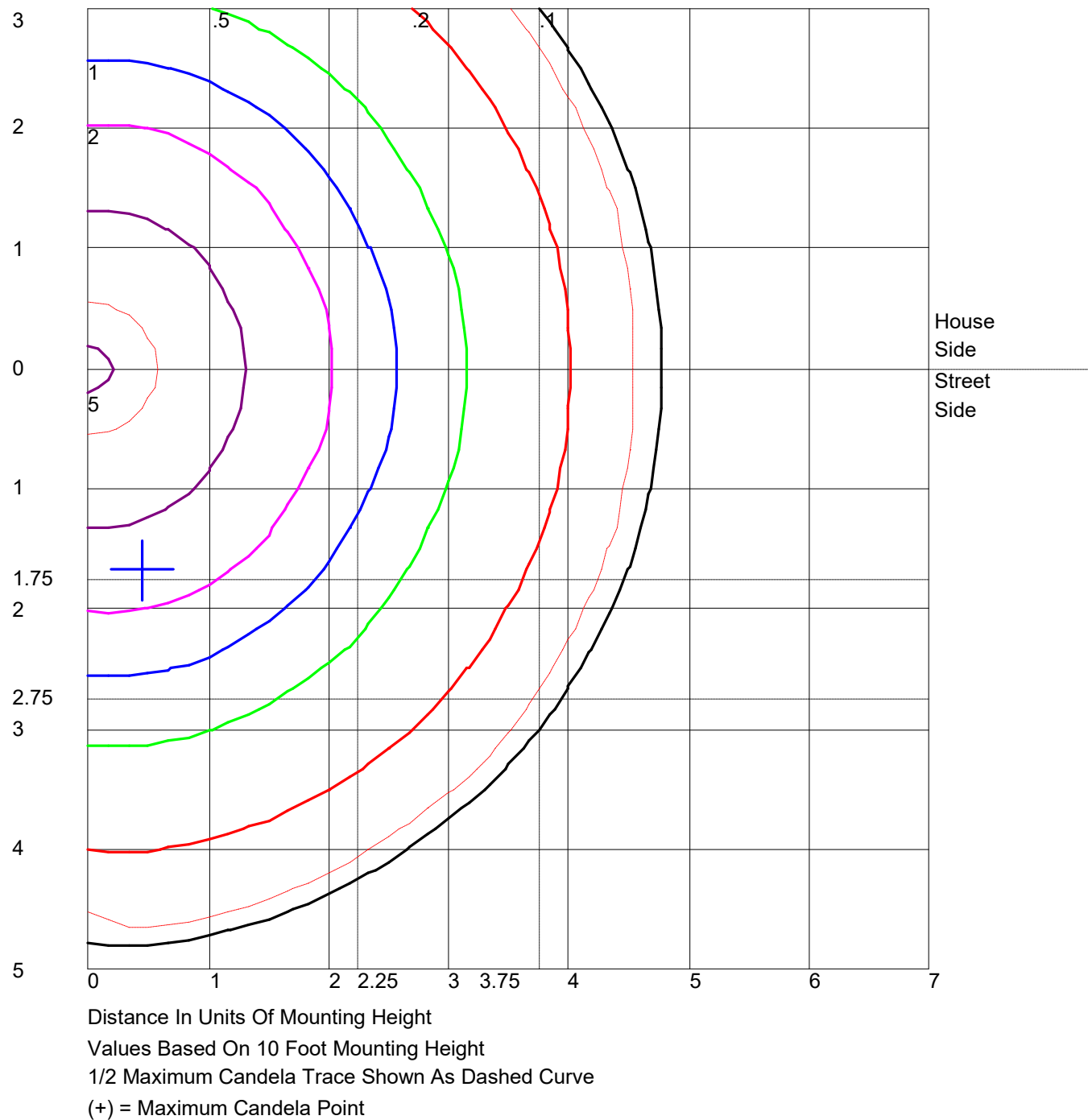
	Lumens	Percent Of Luminaire
Downward Street Side	4780.2	50.0
Downward House Side	4780.2	50.0
Downward Total	9560.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9560.4	100.0

POLAR GRAPH

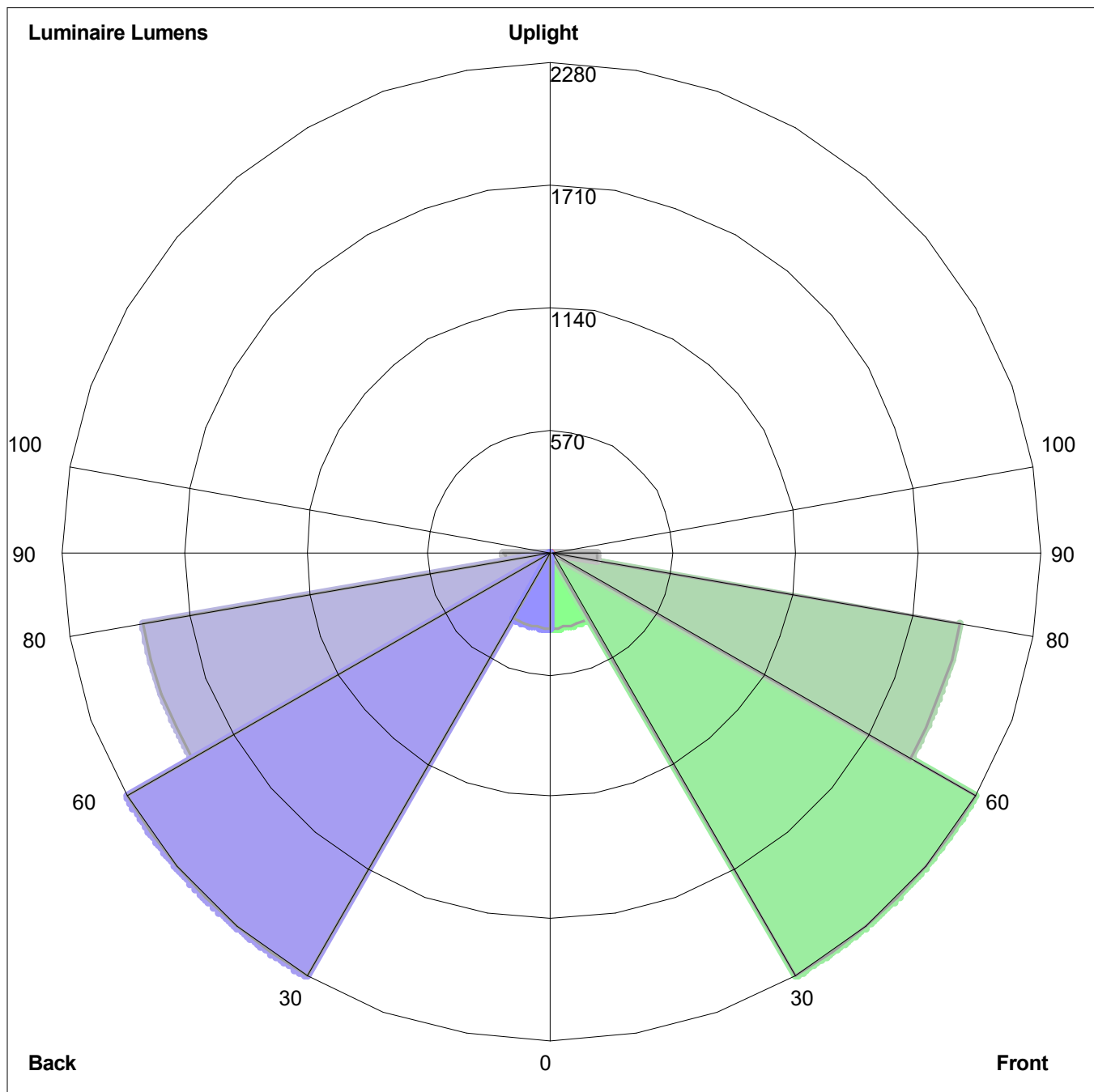


Maximum Candela = 2467 Located At Horizontal Angle = 15, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=354.2, Medium=2279.8, High=1928.6, Very High=217.6  
Back: Low=354.2, Medium=2279.8, High=1928.6, Very High=217.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2