



IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-10L-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-10L-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	9740
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	76
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2305
Maximum Candela Angle	5H 47.5V
Maximum Candela (<90 Degrees Vertical)	2305
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	711 (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)	700.5	N.A.	7.2
FM - Front-Medium (30-60)	2534.7	N.A.	26.0
FH - Front-High (60-80)	1474.7	N.A.	15.1
FVH - Front-Very High (80-90)	160.0	N.A.	1.6
BL - Back-Low (0-30)	700.5	N.A.	7.2
BM - Back-Medium (30-60)	2534.7	N.A.	26.0
BH - Back-High (60-80)	1474.7	N.A.	15.1
BVH - Back-Very High (80-90)	160.0	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	9739.8	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	1319	1319	1319	1319	1319	1319	1319	1319	1319	1319
2.5	1322	1322	1322	1322	1322	1320	1322	1322	1322	1322
5.0	1336	1334	1334	1334	1336	1334	1336	1336	1336	1336
7.5	1359	1359	1357	1357	1357	1360	1359	1359	1359	1359
10.0	1394	1394	1395	1394	1394	1394	1394	1395	1394	1395
12.5	1438	1438	1440	1441	1440	1440	1440	1440	1438	1440
15.0	1494	1494	1498	1498	1496	1496	1494	1494	1494	1496
17.5	1562	1563	1563	1565	1565	1563	1562	1562	1563	1565
20.0	1635	1636	1639	1639	1639	1638	1635	1635	1639	1639
22.5	1717	1720	1720	1720	1720	1722	1719	1720	1720	1722
25.0	1809	1807	1807	1807	1807	1809	1807	1810	1807	1807
27.5	1902	1899	1896	1896	1896	1897	1899	1901	1897	1896
30.0	1988	1984	1981	1981	1981	1983	1986	1984	1983	1981
32.5	2065	2065	2062	2061	2061	2062	2064	2064	2064	2061
35.0	2137	2137	2134	2131	2133	2136	2136	2136	2136	2134
37.5	2197	2197	2195	2194	2192	2194	2194	2194	2195	2195
40.0	2244	2244	2244	2242	2241	2241	2241	2242	2242	2242
42.5	2278	2279	2278	2278	2275	2275	2275	2276	2276	2278
45.0	2299	2300	2297	2296	2294	2293	2296	2296	2296	2296
47.5	2305	2305	2304	2297	2296	2297	2299	2300	2300	2299
50.0	2293	2290	2291	2284	2282	2284	2282	2282	2288	2285
52.5	2259	2258	2259	2253	2250	2252	2247	2249	2255	2255
55.0	2210	2207	2209	2203	2200	2200	2197	2200	2204	2204
57.5	2142	2140	2140	2134	2128	2128	2130	2131	2134	2136
60.0	2049	2052	2049	2043	2038	2039	2039	2044	2047	2046
62.5	1934	1943	1940	1933	1928	1930	1931	1934	1937	1936
65.0	1807	1817	1804	1798	1801	1801	1803	1807	1806	1801
67.5	1669	1669	1661	1653	1650	1650	1656	1661	1659	1656
70.0	1505	1504	1504	1493	1490	1494	1496	1496	1502	1498
72.5	1324	1320	1328	1322	1319	1319	1307	1305	1328	1327
75.0	1133	1117	1134	1140	1137	1125	1105	1108	1128	1143
77.5	925	899	917	939	931	911	895	896	911	940
80.0	711	684	690	701	710	684	682	685	688	711
82.5	496	476	461	481	484	467	476	476	466	479
85.0	289	272	258	270	270	263	272	276	263	270
87.5	93	89	84	87	87	85	90	93	85	89
90.0	0	0	0	0	0	0	0	0	0	0

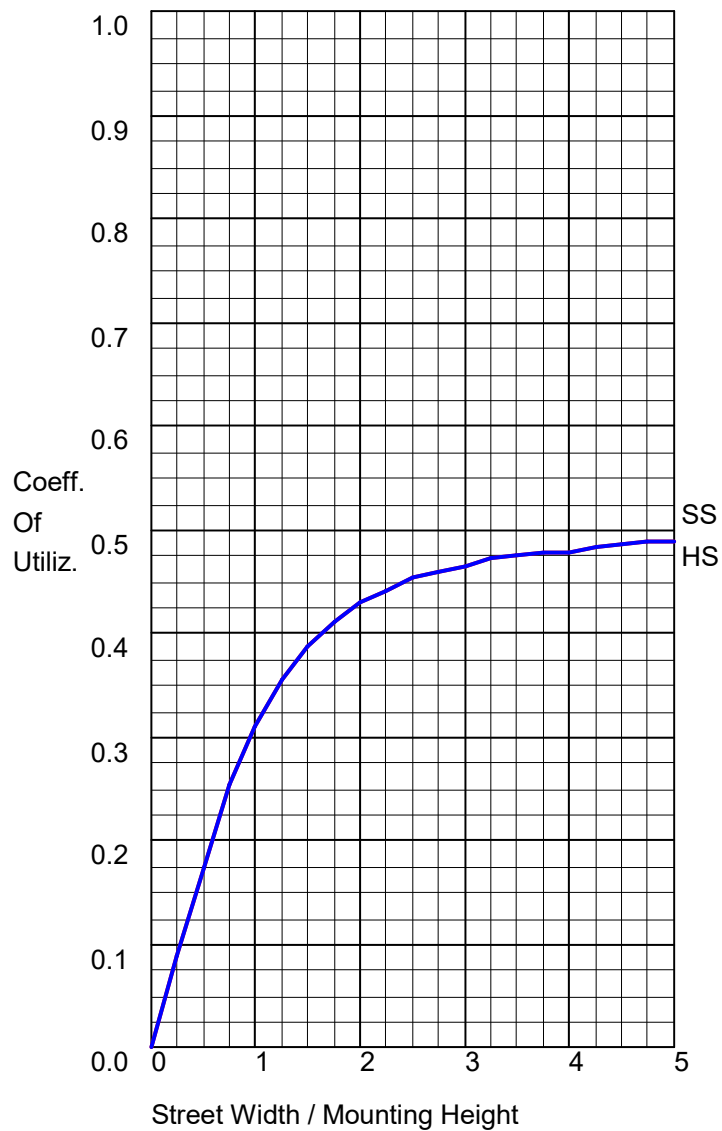
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	1319
2.5	1324
5.0	1334
7.5	1357
10.0	1392
12.5	1438
15.0	1499
17.5	1565
20.0	1641
22.5	1722
25.0	1807
27.5	1894

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CANDELA TABULATION - (Cont.)

30.0	1981
32.5	2061
35.0	2131
37.5	2194
40.0	2242
42.5	2278
45.0	2296
47.5	2296
50.0	2282
52.5	2252
55.0	2201
57.5	2128
60.0	2035
62.5	1920
65.0	1792
67.5	1649
70.0	1482
72.5	1298
75.0	1098
77.5	893
80.0	687
82.5	459
85.0	263
87.5	90
90.0	0

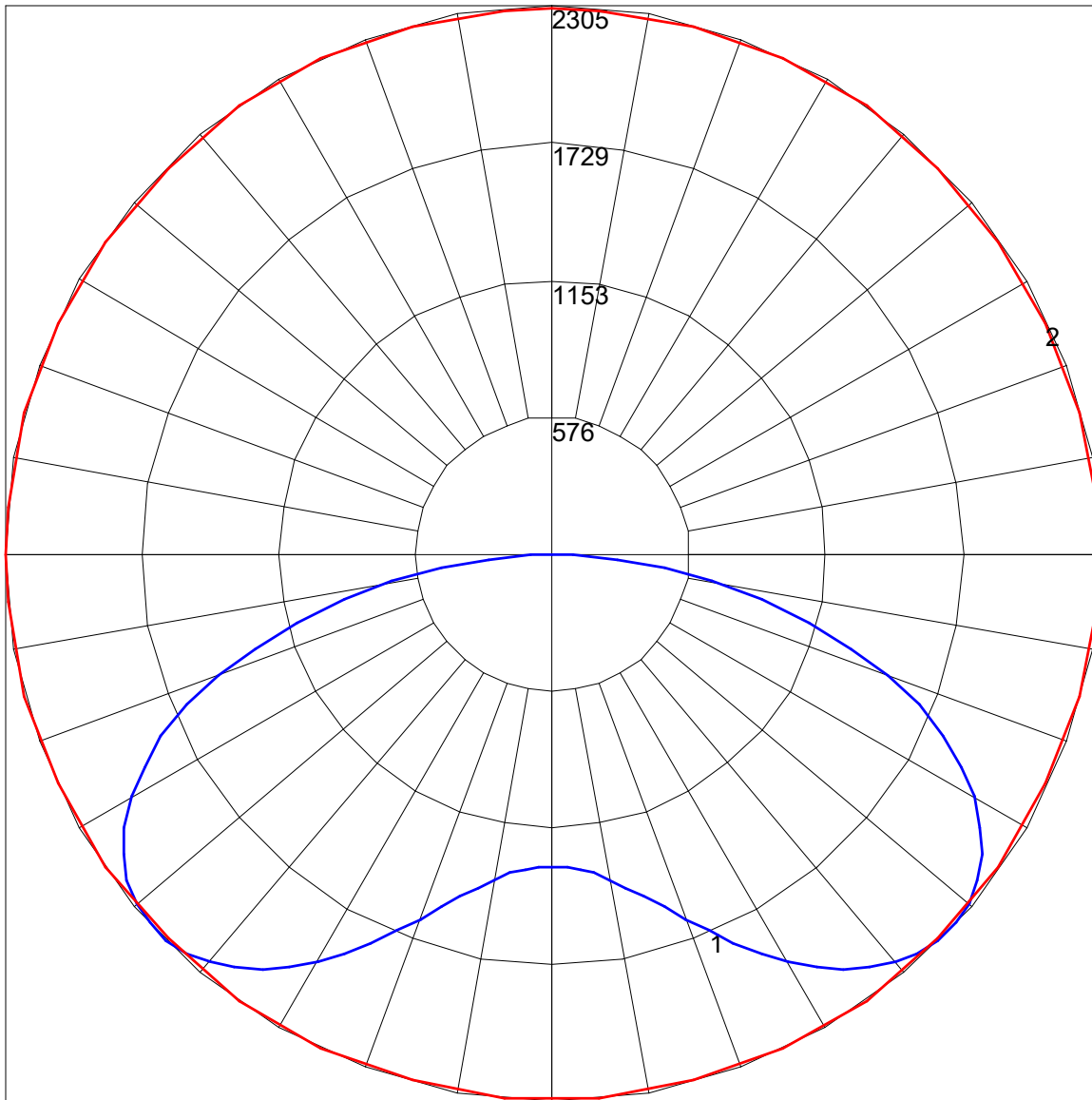
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

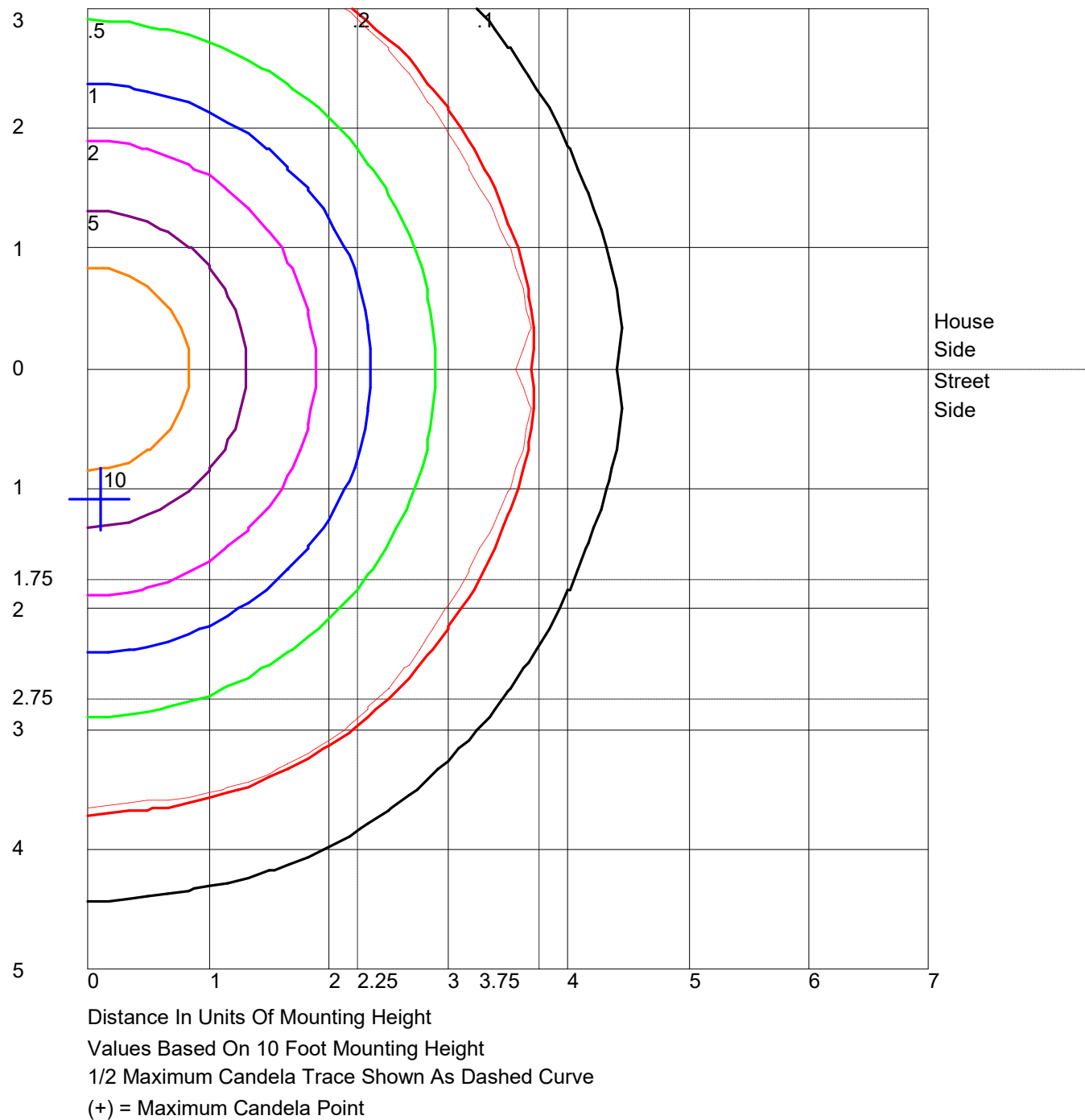
	Lumens	Percent Of Luminaire
Downward Street Side	4870.0	50.0
Downward House Side	4870.0	50.0
Downward Total	9740.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9740.0	100.0

POLAR GRAPH

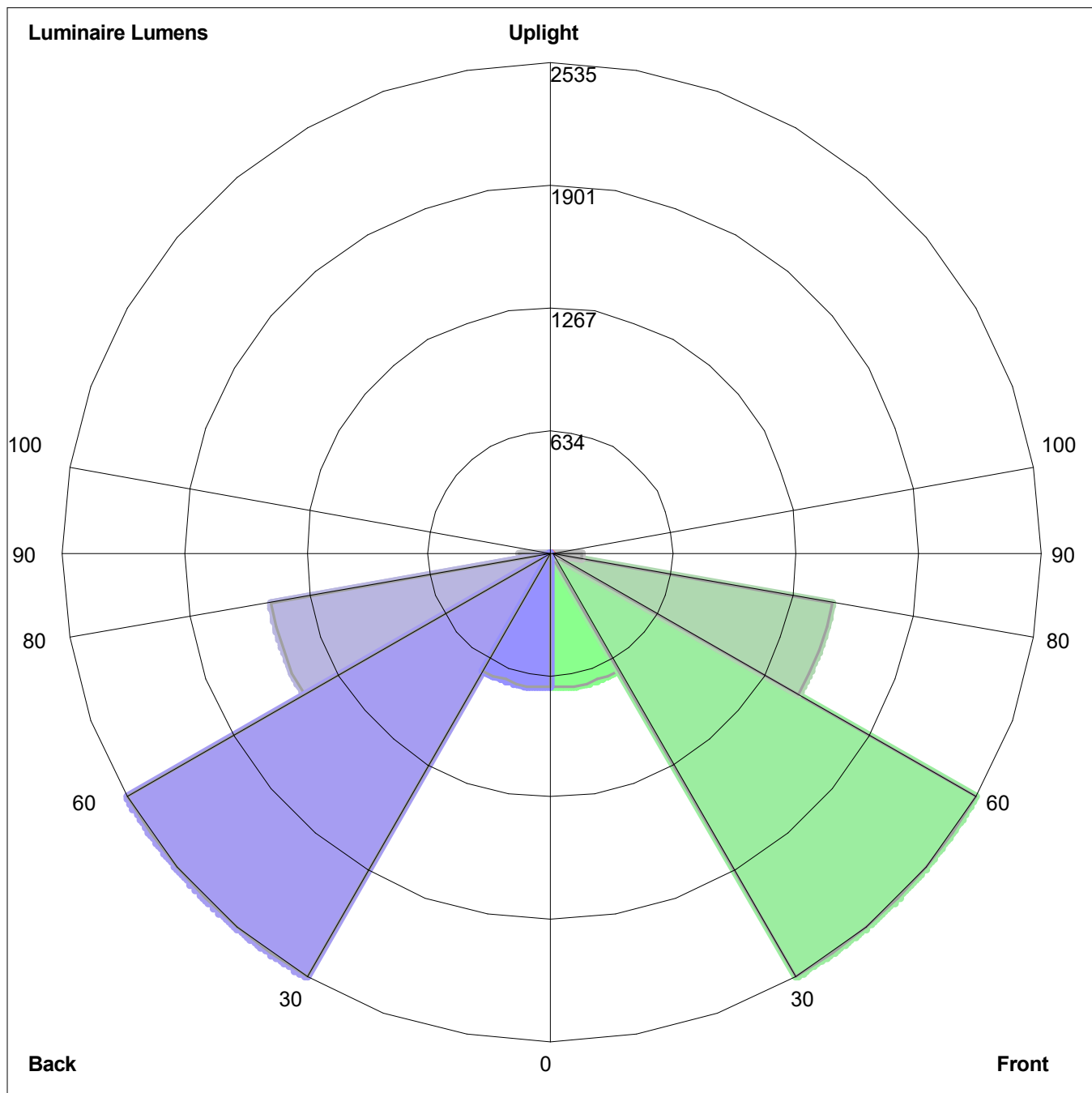


Maximum Candela = 2305 Located At Horizontal Angle = 5, Vertical Angle = 47.5
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=700.5, Medium=2534.7, High=1474.7, Very High=160.0
Back: Low=700.5, Medium=2534.7, High=1474.7, Very High=160.0
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2