



IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-WW-LED-48-450-NW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3080
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/23/12
[TEST DATE]03/22/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-WW-LED-48-450-NW-UE
[LEDDRIVER]ELECTRONIC LED DRIVER
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5751
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	71.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2537
Maximum Candela Angle	65H 38V
Maximum Candela (<90 Degrees Vertical)	2537
Maximum Candela Angle (<90 Degrees Vertical)	65H 38V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	8 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	879.3	N.A.	15.3
FM - Front-Medium (30-60)	1878.9	N.A.	32.7
FH - Front-High (60-80)	115.2	N.A.	2.0
FVH - Front-Very High (80-90)	2.1	N.A.	0.0
BL - Back-Low (0-30)	879.3	N.A.	15.3
BM - Back-Medium (30-60)	1878.9	N.A.	32.7
BH - Back-High (60-80)	115.2	N.A.	2.0
BVH - Back-Very High (80-90)	2.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5751.0	N.A.	100.0
BUG Rating	B2-U0-G0		

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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	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059
2.5	2033	2031	2035	2036	2047	2052	2068	2073	2084	2087
5.0	2016	2015	2019	2017	2030	2036	2053	2057	2069	2071
7.5	1993	1995	2000	1998	2009	2019	2035	2043	2053	2056
10.0	1980	1982	1987	1988	1999	2008	2024	2032	2042	2044
12.5	1974	1975	1980	1985	1992	2001	2017	2023	2037	2037
15.0	1974	1975	1979	1985	1993	2001	2017	2023	2038	2038
17.5	1985	1985	1990	1995	1999	2010	2026	2032	2043	2043
20.0	2006	2006	2013	2016	2020	2042	2045	2047	2057	2054
22.5	2060	2060	2067	2064	2067	2074	2078	2083	2087	2080
25.0	2128	2129	2138	2147	2145	2144	2144	2146	2141	2130
27.5	2174	2175	2196	2216	2230	2220	2223	2216	2201	2187
30.0	2185	2188	2220	2255	2288	2286	2285	2276	2258	2241
32.5	2188	2195	2247	2305	2341	2348	2353	2352	2323	2302
35.0	2209	2217	2269	2372	2415	2423	2450	2459	2410	2371
37.5	2222	2233	2304	2392	2444	2470	2515	2535	2458	2412
38.0	2188	2195	2287	2388	2432	2466	2513	2537	2449	2408
40.0	2011	2020	2125	2300	2318	2387	2435	2459	2357	2315
42.5	1738	1740	1787	1947	2062	2107	2158	2174	2035	2004
45.0	1482	1481	1503	1615	1703	1775	1818	1840	1694	1681
47.5	1308	1307	1321	1419	1442	1550	1588	1626	1491	1485
50.0	1188	1188	1211	1298	1311	1326	1449	1486	1366	1356
52.5	1075	1073	1107	1194	1183	1155	1310	1355	1259	1237
55.0	925	926	984	1078	1044	1022	1118	1221	1158	1117
57.5	775	776	823	917	899	897	910	1073	1059	997
60.0	600	606	645	657	656	678	677	822	848	793
62.5	301	303	318	324	300	323	325	401	425	407
65.0	83	81	83	93	96	102	103	117	116	110
67.5	54	52	51	51	54	61	56	58	62	65
70.0	33	31	29	28	31	42	33	31	36	39
72.5	20	18	18	17	20	31	22	19	22	24
75.0	12	11	12	11	13	20	16	13	14	14
77.5	9	8	9	8	10	11	13	10	10	10
80.0	6	6	6	6	7	7	8	8	7	7
82.5	4	4	4	5	5	5	5	7	5	5
85.0	4	4	4	3	3	3	4	4	4	4
87.5	3	3	3	3	3	3	3	3	3	3
90.0	0	0	0	0	0	0	0	0	0	0

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

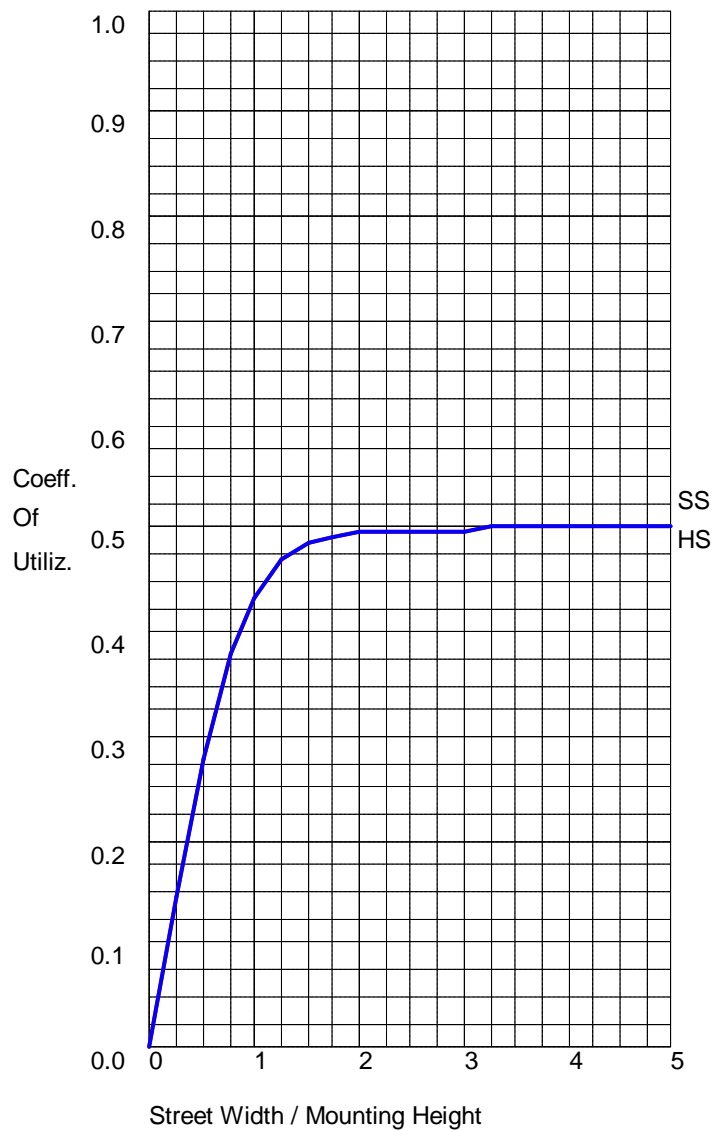
	<u>90</u>
0.0	2059
2.5	2082
5.0	2066
7.5	2051
10.0	2039
12.5	2034
15.0	2034
17.5	2038
20.0	2048
22.5	2076
25.0	2128

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CANDELA TABULATION - (Cont.)

27.5	2186
30.0	2240
32.5	2302
35.0	2364
37.5	2407
38.0	2407
40.0	2312
42.5	2006
45.0	1685
47.5	1488
50.0	1359
52.5	1241
55.0	1124
57.5	1000
60.0	791
62.5	398
65.0	114
67.5	70
70.0	43
72.5	27
75.0	17
77.5	12
80.0	8
82.5	6
85.0	4
87.5	3
90.0	0

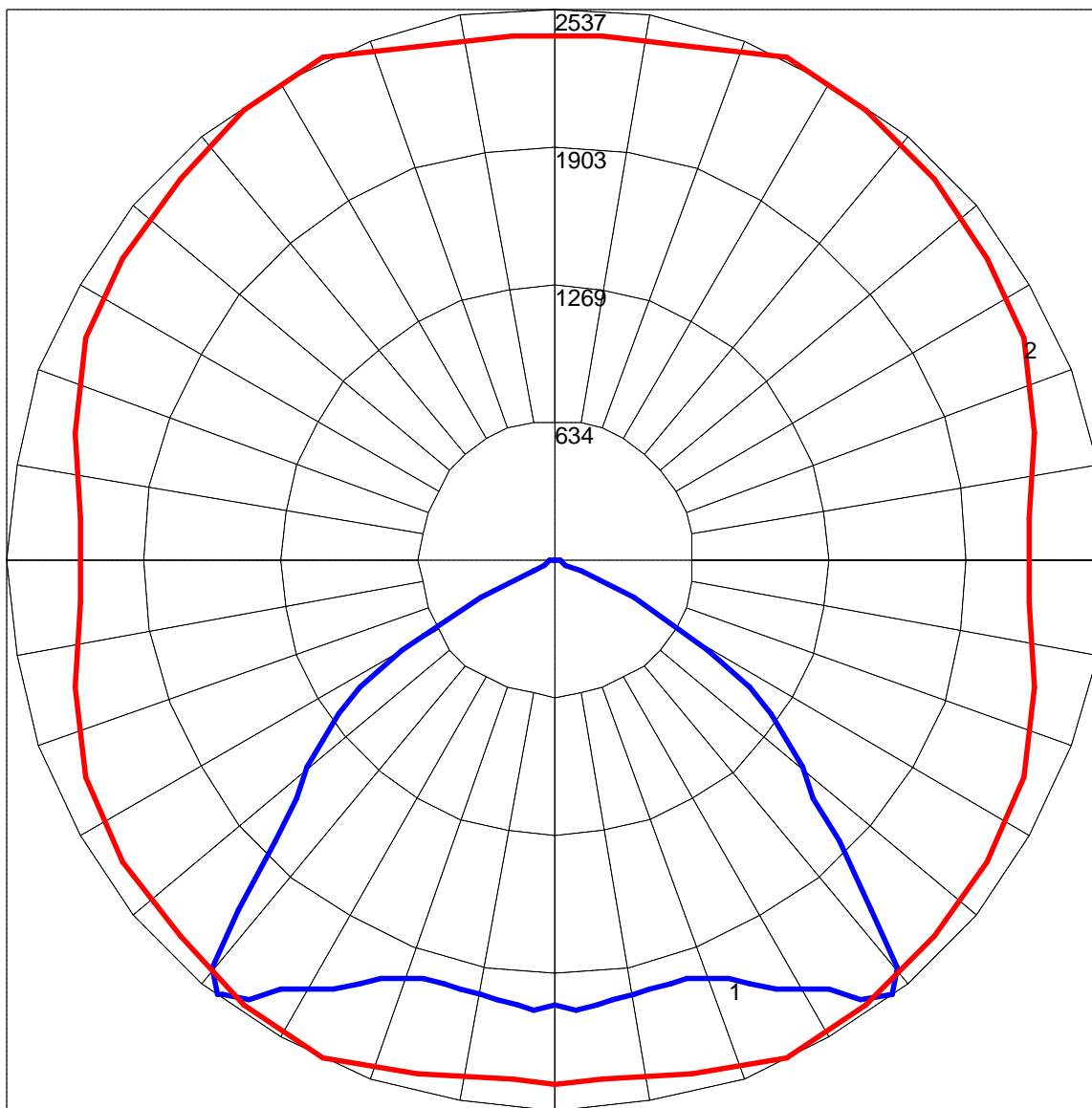
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

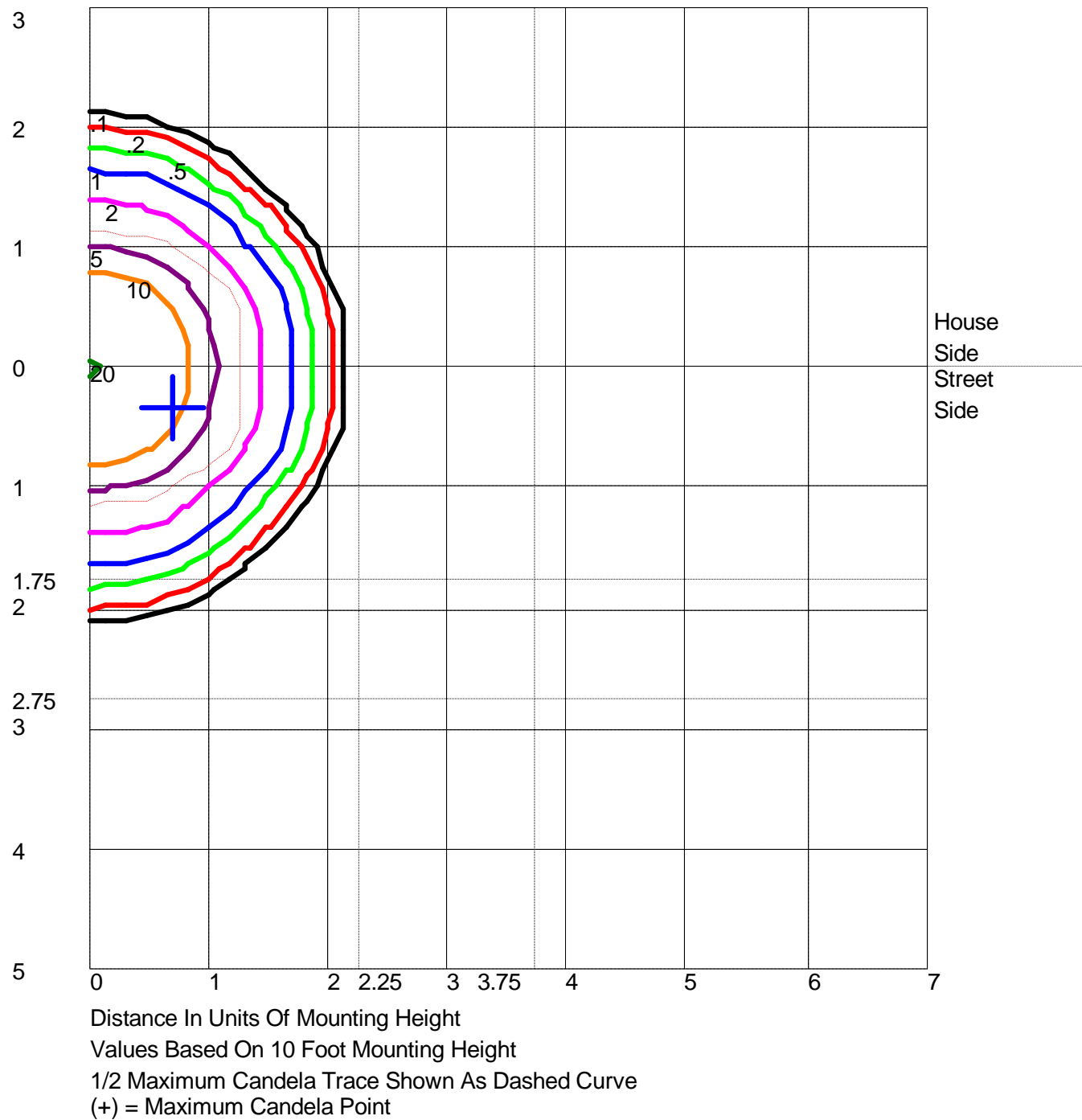
	Lumens	Percent Of Luminaire
Downward Street Side	2875.4	50.0
Downward House Side	2875.4	50.0
Downward Total	5750.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5750.8	100.0

POLAR GRAPH

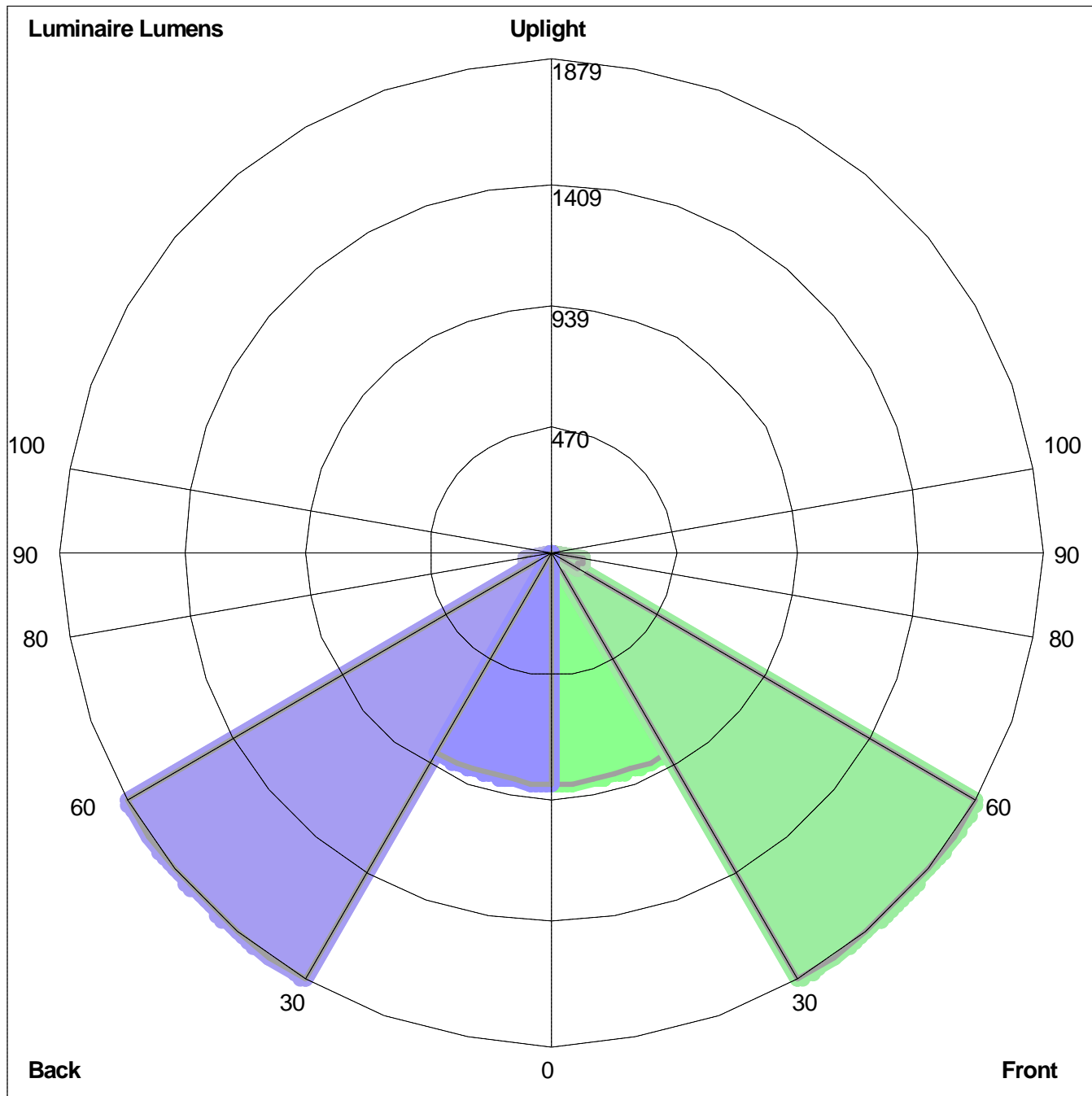


Maximum Candela = 2537 Located At Horizontal Angle = 65, Vertical Angle = 38
1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (38) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=879.3, Medium=1878.9, High=115.2, Very High=2.1
Back: Low=879.3, Medium=1878.9, High=115.2, Very High=2.1
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G0