



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3068
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/08/12
[TEST DATE]03/21/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-WW-LED-48-450-CW-UE
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[LED DRIVER]ELECTRONIC LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6315
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2830
Maximum Candela Angle	65H 37.5V
Maximum Candela (<90 Degrees Vertical)	2830
Maximum Candela Angle (<90 Degrees Vertical)	65H 37.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	19 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	960.5	N.A.	15.2
FM - Front-Medium (30-60)	2005.9	N.A.	31.8
FH - Front-High (60-80)	128.4	N.A.	2.0
FVH - Front-Very High (80-90)	1.8	N.A.	0.0
BL - Back-Low (0-30)	973.3	N.A.	15.4
BM - Back-Medium (30-60)	2100.8	N.A.	33.3
BH - Back-High (60-80)	141.8	N.A.	2.2
BVH - Back-Very High (80-90)	2.4	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	6314.9	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	2236	2236	2236	2236	2236	2236	2236	2236	2236	2236
2.5	2204	2201	2209	2206	2219	2213	2240	2255	2250	2261
5.0	2180	2179	2186	2184	2196	2191	2220	2234	2230	2243
7.5	2158	2157	2167	2162	2176	2179	2203	2218	2215	2230
10.0	2145	2143	2152	2149	2167	2177	2194	2208	2204	2218
12.5	2140	2139	2149	2148	2165	2172	2188	2202	2198	2214
15.0	2141	2140	2152	2152	2167	2172	2192	2206	2203	2219
17.5	2156	2155	2167	2165	2175	2187	2206	2219	2214	2231
20.0	2176	2177	2191	2191	2199	2222	2230	2241	2235	2249
22.5	2223	2224	2241	2243	2255	2263	2279	2287	2278	2287
25.0	2299	2301	2319	2330	2344	2350	2354	2365	2356	2356
27.5	2379	2382	2404	2423	2444	2445	2441	2453	2442	2436
30.0	2441	2444	2474	2505	2529	2529	2529	2533	2520	2509
32.5	2427	2439	2527	2593	2617	2614	2631	2634	2618	2589
35.0	2394	2402	2471	2620	2708	2704	2744	2764	2747	2685
37.5	2336	2351	2448	2575	2702	2744	2790	2830	2810	2706
40.0	2015	2034	2171	2432	2484	2607	2649	2688	2666	2526
42.5	1673	1672	1709	1959	2171	2238	2303	2328	2304	2140
45.0	1409	1405	1416	1547	1733	1882	1955	1983	1969	1811
47.5	1239	1240	1250	1365	1405	1648	1729	1761	1755	1617
50.0	1128	1128	1147	1248	1263	1340	1574	1605	1604	1489
52.5	1034	1031	1053	1136	1131	1107	1413	1457	1466	1373
55.0	944	938	969	1033	992	970	1160	1319	1325	1267
57.5	843	842	888	924	863	859	903	1170	1176	1169
60.0	685	691	737	737	678	672	680	878	938	973
62.5	367	370	384	395	352	350	357	436	494	525
65.0	93	88	96	112	112	110	117	130	143	142
67.5	57	53	52	54	57	61	57	61	62	68
70.0	34	30	30	29	33	42	33	32	33	39
72.5	19	17	17	17	20	32	21	20	20	23
75.0	12	11	11	11	13	21	15	13	13	14
77.5	8	7	8	8	9	11	12	10	10	11
80.0	5	5	5	6	6	7	8	8	8	7
82.5	3	4	4	4	4	4	4	5	6	5
85.0	3	3	3	3	3	3	3	3	4	4
87.5	2	2	3	2	2	3	2	2	3	3
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>90</u>	<u>95</u>	<u>105</u>	<u>115</u>	<u>118</u>	<u>125</u>	<u>135</u>	<u>145</u>	<u>155</u>	<u>165</u>
0.0	2236	2236	2236	2236	2236	2236	2236	2236	2236	2236
2.5	2263	2262	2269	2262	2258	2248	2239	2228	2217	2217
5.0	2247	2247	2253	2249	2248	2238	2228	2214	2196	2202
7.5	2234	2234	2241	2240	2239	2220	2209	2198	2178	2185
10.0	2222	2223	2231	2232	2226	2213	2203	2188	2174	2175
12.5	2218	2219	2225	2226	2220	2206	2198	2188	2177	2171
15.0	2220	2222	2229	2226	2224	2208	2201	2189	2182	2174
17.5	2230	2232	2237	2235	2237	2224	2216	2205	2197	2190
20.0	2245	2247	2253	2253	2261	2252	2264	2237	2230	2230
22.5	2282	2283	2288	2293	2307	2305	2313	2305	2307	2321
25.0	2346	2348	2353	2364	2387	2389	2401	2411	2424	2431
27.5	2422	2423	2428	2440	2472	2474	2491	2510	2505	2486

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CANDELA TABULATION - (Cont.)

30.0	2490	2491	2495	2506	2541	2539	2560	2566	2532	2480
32.5	2560	2560	2563	2583	2626	2616	2628	2615	2567	2501
35.0	2632	2628	2630	2671	2733	2717	2708	2688	2669	2588
37.5	2642	2638	2638	2682	2776	2761	2729	2714	2715	2609
40.0	2464	2462	2458	2500	2623	2608	2571	2547	2535	2410
42.5	2116	2120	2114	2137	2283	2266	2229	2220	2189	2055
45.0	1809	1814	1808	1811	1971	1940	1914	1921	1890	1773
47.5	1617	1621	1616	1612	1772	1732	1717	1728	1710	1610
50.0	1477	1483	1478	1482	1627	1585	1559	1585	1581	1488
52.5	1348	1354	1348	1368	1480	1430	1401	1434	1460	1367
55.0	1219	1228	1219	1264	1336	1261	1247	1268	1331	1198
57.5	1102	1106	1103	1174	1185	1110	1109	1112	1087	935
60.0	924	921	928	988	947	886	890	820	774	750
62.5	507	498	503	511	504	458	454	386	412	400
65.0	134	137	134	136	148	143	136	127	123	110
67.5	70	74	71	69	66	68	74	64	59	59
70.0	42	46	42	39	35	39	50	35	31	33
72.5	25	29	25	23	21	25	35	21	19	20
75.0	15	17	15	15	14	18	22	15	13	14
77.5	10	13	10	11	10	14	12	13	10	10
80.0	7	8	7	7	9	9	9	8	7	7
82.5	6	6	5	6	7	5	5	5	6	19
85.0	4	4	4	4	4	3	4	4	4	4
87.5	3	3	2	2	2	3	3	3	3	3
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

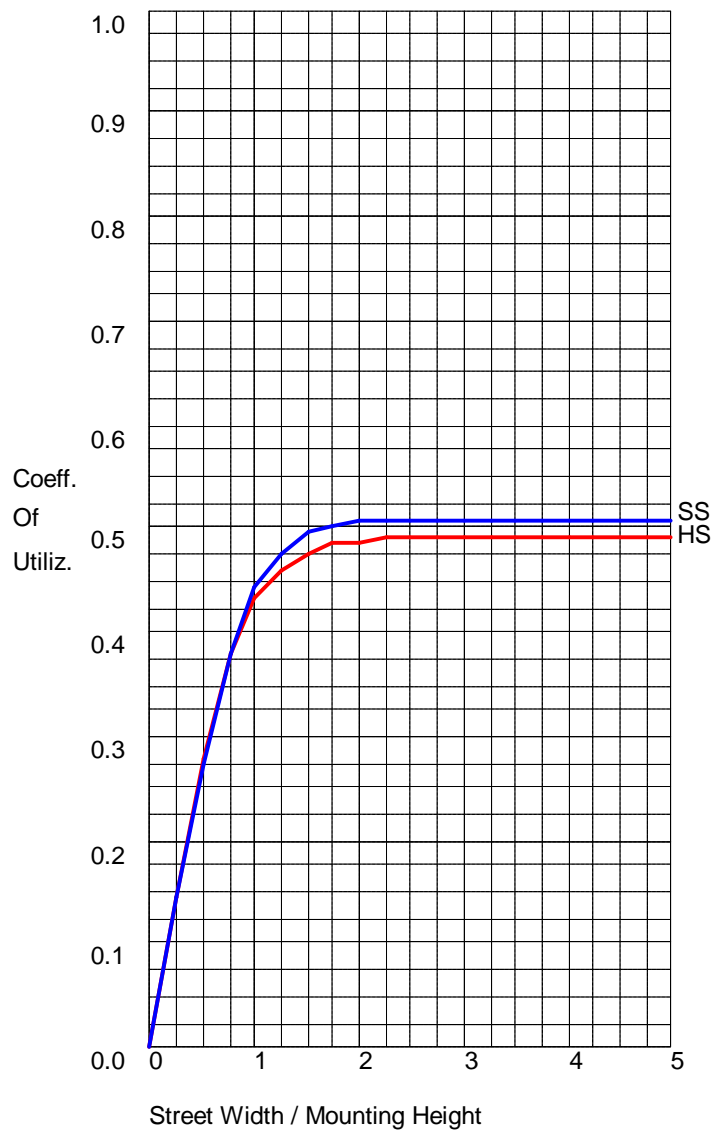
	175	180
0.0	2236	2236
2.5	2208	2215
5.0	2192	2198
7.5	2176	2182
10.0	2165	2171
12.5	2160	2165
15.0	2163	2169
17.5	2176	2182
20.0	2217	2224
22.5	2310	2316
25.0	2414	2418
27.5	2462	2464
30.0	2449	2448
32.5	2453	2449
35.0	2519	2514
37.5	2534	2527
40.0	2334	2330
42.5	2004	2003
45.0	1750	1752
47.5	1592	1592
50.0	1451	1453
52.5	1322	1323
55.0	1079	1073
57.5	871	868
60.0	719	710
62.5	382	379
65.0	102	106

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CANDELA TABULATION - (Cont.)

67.5	60	64
70.0	34	38
72.5	21	22
75.0	13	14
77.5	9	10
80.0	6	7
82.5	5	5
85.0	4	4
87.5	3	3
90.0	0	0

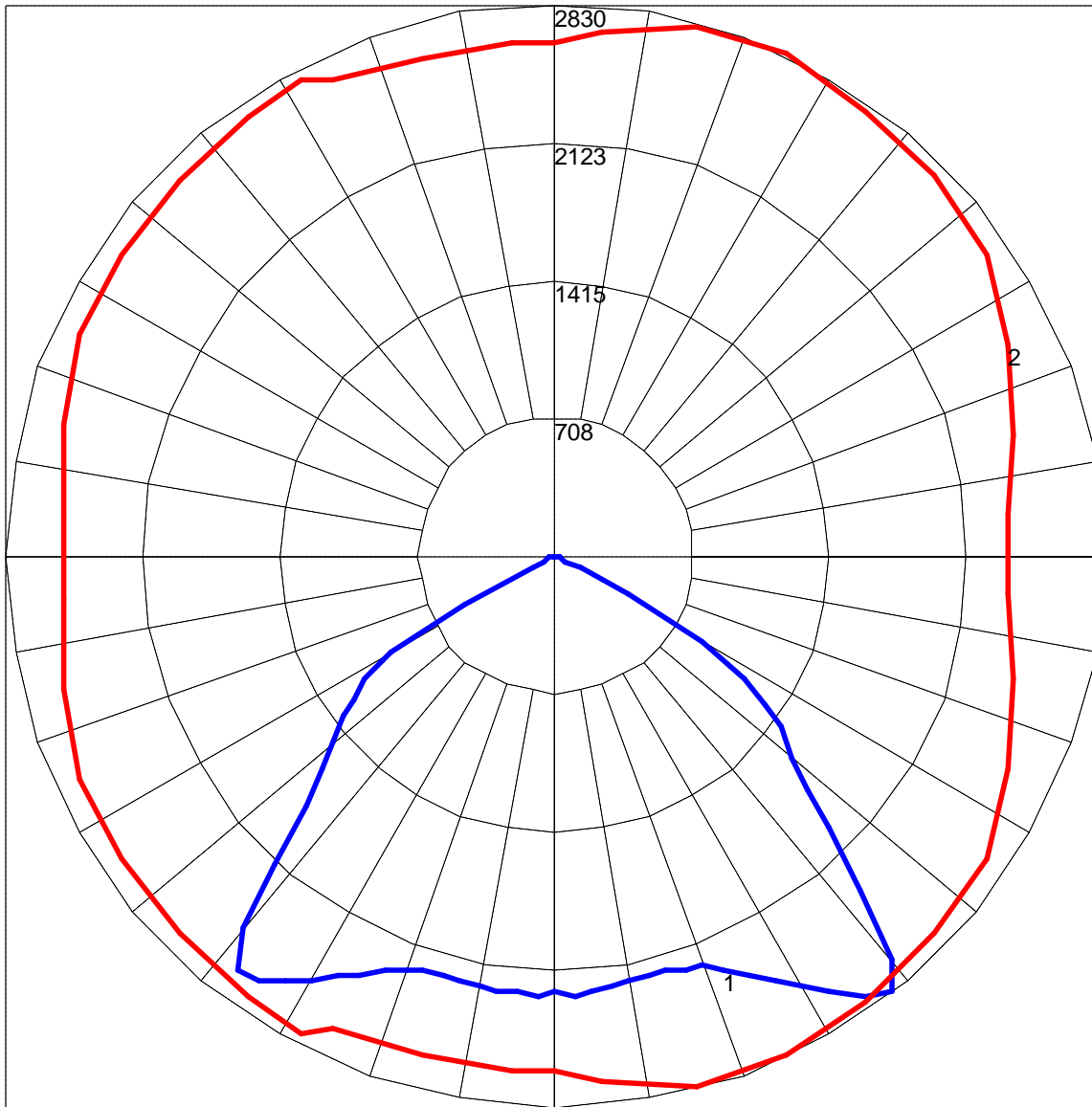
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

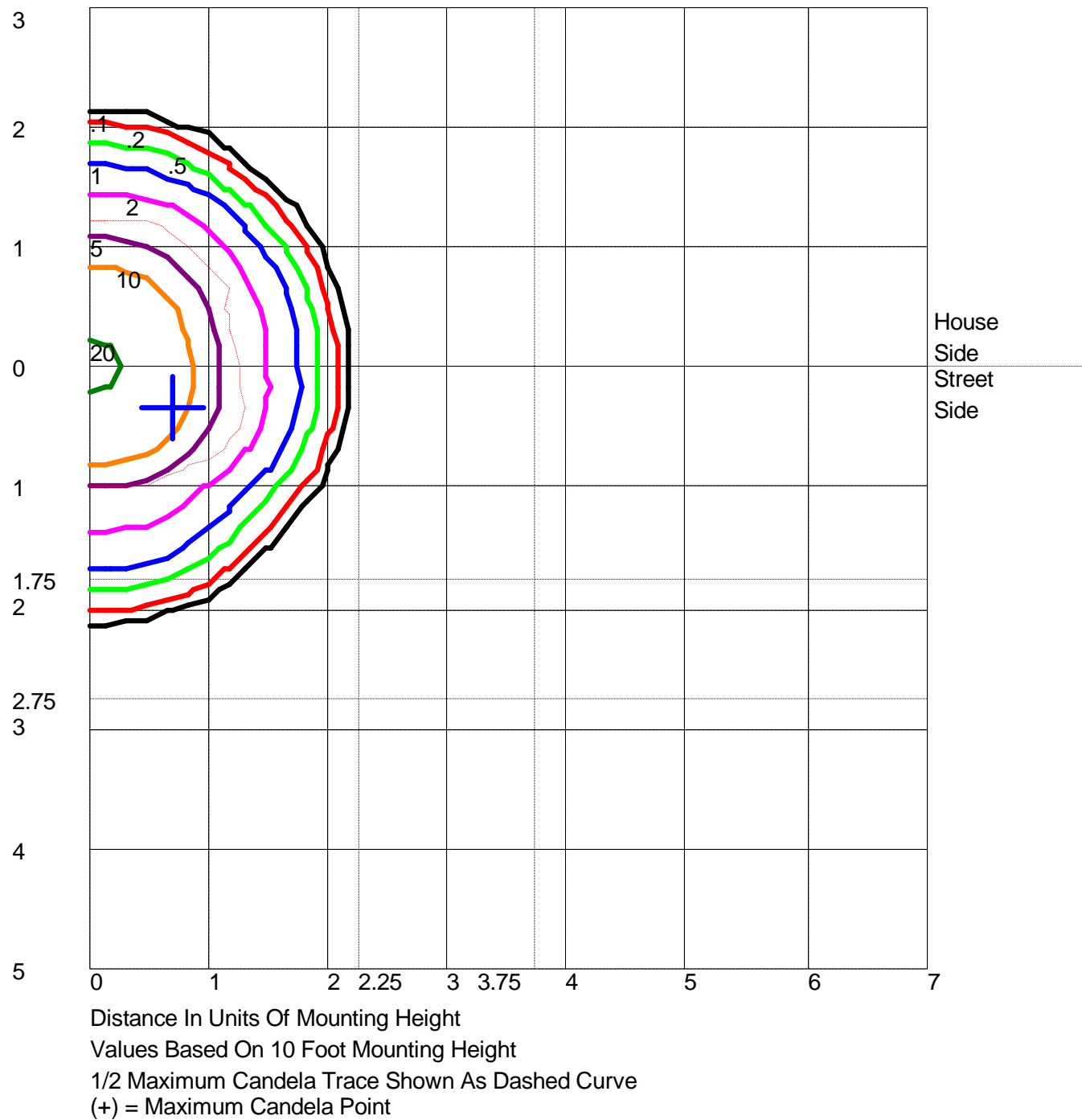
	Lumens	Percent Of Luminaire
Downward Street Side	3096.7	49.0
Downward House Side	3218.3	51.0
Downward Total	6315.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6315.0	100.0

POLAR GRAPH

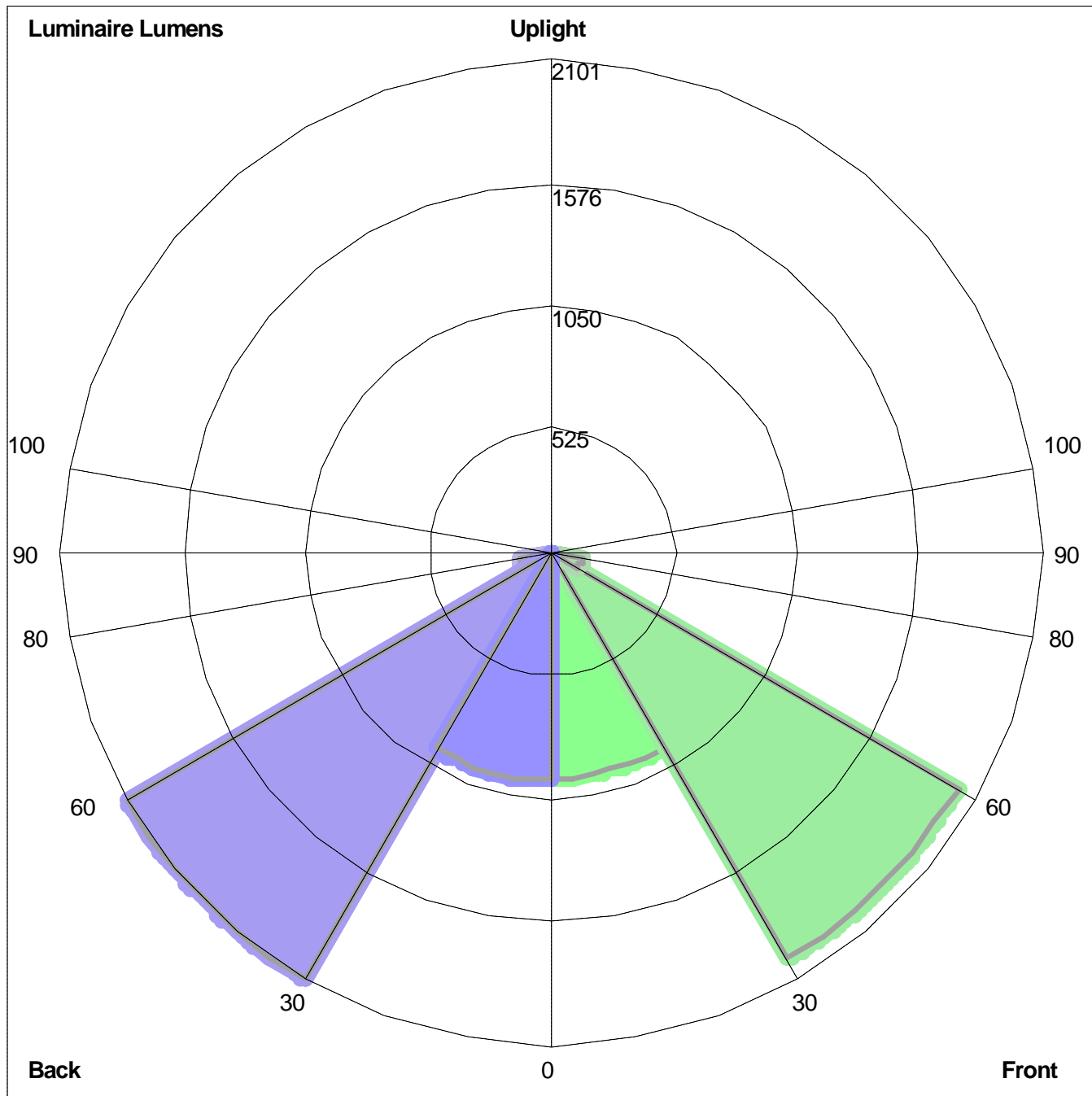


Maximum Candela = 2830 Located At Horizontal Angle = 65, Vertical Angle = 37.5
1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (37.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=960.5, Medium=2005.9, High=128.4, Very High=1.8
Back: Low=973.3, Medium=2100.8, High=141.8, Very High=2.4
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G0