



IES ROAD REPORT

PHOTOMETRIC FILENAME : SMW-LED-10L-3-UNV-DIM-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11649
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 5/7/2020
[TEST DATE] 03/27/20
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMEN CATEGORY] SMW-LED-10L-3-UNV-DIM-50
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[OTHER] SCALED FROM ORIGINAL TEST DATA

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10269
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	78
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4988
Maximum Candela Angle	57.5H 72.5V
Maximum Candela (<90 Degrees Vertical)	4988
Maximum Candela Angle (<90 Degrees Vertical)	57.5H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2532 (24.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	981.3	N.A.	9.6
FM - Front-Medium (30-60)	2980.6	N.A.	29.0
FH - Front-High (60-80)	2036.6	N.A.	19.8
FVH - Front-Very High (80-90)	123.4	N.A.	1.2
BL - Back-Low (0-30)	900.5	N.A.	8.8
BM - Back-Medium (30-60)	2138.4	N.A.	20.8
BH - Back-High (60-80)	1065.0	N.A.	10.4
BVH - Back-Very High (80-90)	43.0	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	10268.8	N.A.	100.0
BUG Rating	B3-U0-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>57.5</u>	<u>65.0</u>	<u>75.0</u>
0.0	2191	2191	2191	2191	2191	2191	2191	2191	2191	2191
2.5	2146	2148	2167	2177	2194	2210	2215	2219	2232	2239
5.0	2170	2171	2189	2198	2214	2228	2229	2232	2243	2247
7.5	2193	2195	2213	2222	2235	2245	2245	2247	2255	2257
10.0	2219	2221	2237	2246	2256	2266	2262	2263	2268	2267
12.5	2243	2245	2263	2270	2276	2285	2278	2280	2283	2277
15.0	2268	2270	2286	2294	2299	2306	2297	2298	2300	2293
17.5	2291	2293	2310	2315	2321	2326	2317	2319	2318	2310
20.0	2308	2311	2329	2334	2342	2351	2341	2342	2342	2331
22.5	2322	2323	2342	2350	2360	2373	2365	2367	2369	2356
25.0	2325	2329	2350	2362	2378	2397	2393	2397	2400	2387
27.5	2323	2326	2352	2370	2391	2422	2428	2431	2436	2423
30.0	2317	2321	2350	2373	2405	2445	2462	2467	2478	2463
32.5	2309	2312	2345	2376	2420	2472	2500	2508	2522	2508
35.0	2297	2301	2340	2378	2434	2505	2543	2556	2573	2559
37.5	2285	2290	2334	2380	2453	2540	2595	2610	2633	2621
40.0	2271	2275	2323	2382	2472	2582	2657	2675	2701	2688
42.5	2256	2259	2312	2383	2493	2630	2729	2749	2779	2761
45.0	2222	2225	2291	2379	2513	2679	2805	2832	2869	2843
47.5	2172	2173	2247	2364	2530	2730	2888	2920	2967	2940
50.0	2084	2093	2181	2334	2543	2775	2973	3014	3068	3036
52.5	1983	1994	2093	2282	2551	2822	3042	3091	3169	3138
55.0	1880	1886	1997	2215	2556	2871	3090	3140	3251	3245
57.5	1763	1770	1887	2135	2552	2928	3102	3147	3287	3355
60.0	1599	1606	1715	1999	2526	3010	3094	3118	3262	3463
62.5	1382	1388	1481	1747	2401	3159	3140	3114	3184	3533
65.0	1160	1165	1238	1416	2061	3324	3362	3236	3080	3544
67.5	823	809	926	1119	1489	3148	3854	3587	2950	3464
70.0	526	521	569	749	1026	2414	4610	4338	2853	3217
72.5	274	287	339	506	679	1695	4973	4988	2792	2670
75.0	185	185	212	296	443	1125	3770	4181	2417	1844
77.5	127	128	143	188	284	706	1955	2055	2163	1075
80.0	90	91	101	128	195	421	843	903	2021	680
82.5	57	54	51	62	115	258	405	507	1307	330
85.0	11	11	11	15	29	83	222	343	647	125
87.5	1	1	1	1	1	2	23	58	135	41
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
0.0	2191	2191	2191	2191	2191	2191	2191	2191	2191	2191
2.5	2247	2234	2239	2235	2227	2204	2193	2178	2161	2141
5.0	2253	2238	2241	2234	2223	2199	2185	2170	2152	2130
7.5	2257	2241	2242	2233	2220	2194	2178	2161	2143	2121
10.0	2265	2246	2245	2232	2217	2190	2173	2155	2136	2114
12.5	2271	2253	2250	2233	2216	2186	2167	2149	2128	2107
15.0	2281	2261	2257	2235	2216	2184	2162	2142	2119	2097
17.5	2295	2271	2263	2240	2219	2183	2157	2133	2107	2080
20.0	2311	2285	2274	2248	2222	2182	2151	2120	2086	2055
22.5	2333	2303	2290	2260	2229	2181	2143	2100	2056	2016
25.0	2359	2325	2310	2275	2237	2179	2127	2070	2013	1963
27.5	2389	2354	2336	2294	2246	2175	2107	2029	1958	1901

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CANDELA TABULATION - (Cont.)

30.0	2425	2386	2364	2314	2255	2166	2075	1977	1894	1829
32.5	2465	2423	2395	2335	2262	2148	2032	1916	1823	1756
35.0	2511	2465	2430	2357	2265	2120	1980	1848	1752	1681
37.5	2565	2511	2471	2382	2264	2083	1916	1778	1684	1618
40.0	2623	2564	2514	2407	2258	2038	1853	1712	1622	1562
42.5	2694	2624	2563	2435	2244	1986	1789	1654	1568	1514
45.0	2767	2686	2617	2460	2220	1927	1723	1599	1522	1470
47.5	2841	2751	2670	2482	2185	1862	1668	1551	1477	1423
50.0	2921	2817	2722	2494	2138	1797	1614	1504	1430	1377
52.5	3011	2891	2778	2487	2063	1723	1557	1452	1380	1324
55.0	3111	2975	2835	2461	1967	1636	1492	1399	1323	1274
57.5	3236	3079	2897	2403	1859	1531	1408	1336	1270	1230
60.0	3405	3215	2975	2335	1746	1424	1312	1262	1217	1186
62.5	3635	3414	3075	2268	1624	1301	1200	1183	1147	1127
65.0	3870	3632	3213	2186	1473	1170	1076	1082	1066	1053
67.5	4043	3823	3317	2041	1297	1051	950	966	932	715
70.0	3940	3751	3213	1791	1110	906	839	780	620	389
72.5	3320	3060	2654	1477	884	720	681	520	358	273
75.0	2943	2424	1860	1092	694	552	422	344	255	144
77.5	3442	2662	1374	674	512	332	294	226	146	89
80.0	2532	1905	835	407	317	189	214	148	72	58
82.5	755	517	357	245	109	91	105	59	35	30
85.0	189	166	144	82	50	41	31	14	7	4
87.5	51	46	47	21	10	5	2	1	1	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

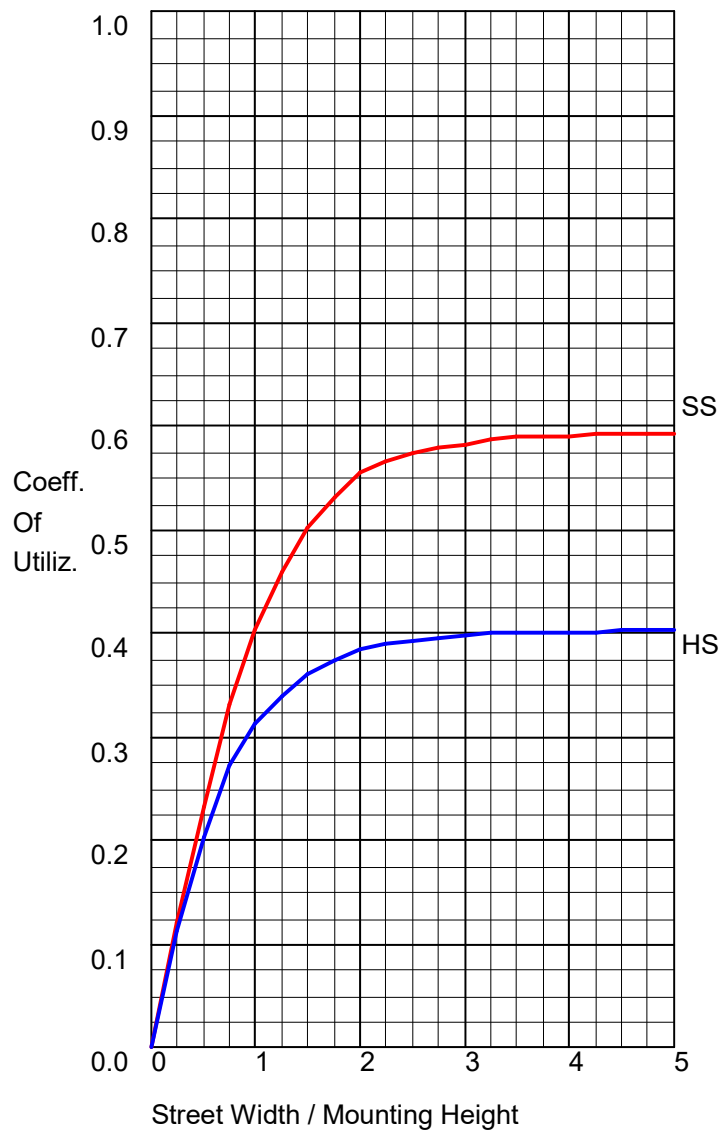
	175.0	180.0
0.0	2191	2191
2.5	2112	2128
5.0	2102	2117
7.5	2095	2107
10.0	2088	2100
12.5	2080	2091
15.0	2070	2079
17.5	2054	2060
20.0	2025	2031
22.5	1982	1988
25.0	1926	1925
27.5	1858	1857
30.0	1784	1781
32.5	1710	1706
35.0	1641	1635
37.5	1580	1574
40.0	1527	1523
42.5	1481	1478
45.0	1437	1435
47.5	1392	1392
50.0	1343	1346
52.5	1288	1289
55.0	1241	1245
57.5	1205	1207
60.0	1169	1168
62.5	1118	1114
65.0	1013	997

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CANDELA TABULATION - (Cont.)

67.5	612	595
70.0	342	336
72.5	246	246
75.0	126	126
77.5	85	86
80.0	56	56
82.5	28	29
85.0	3	3
87.5	0	0
90.0	0	0

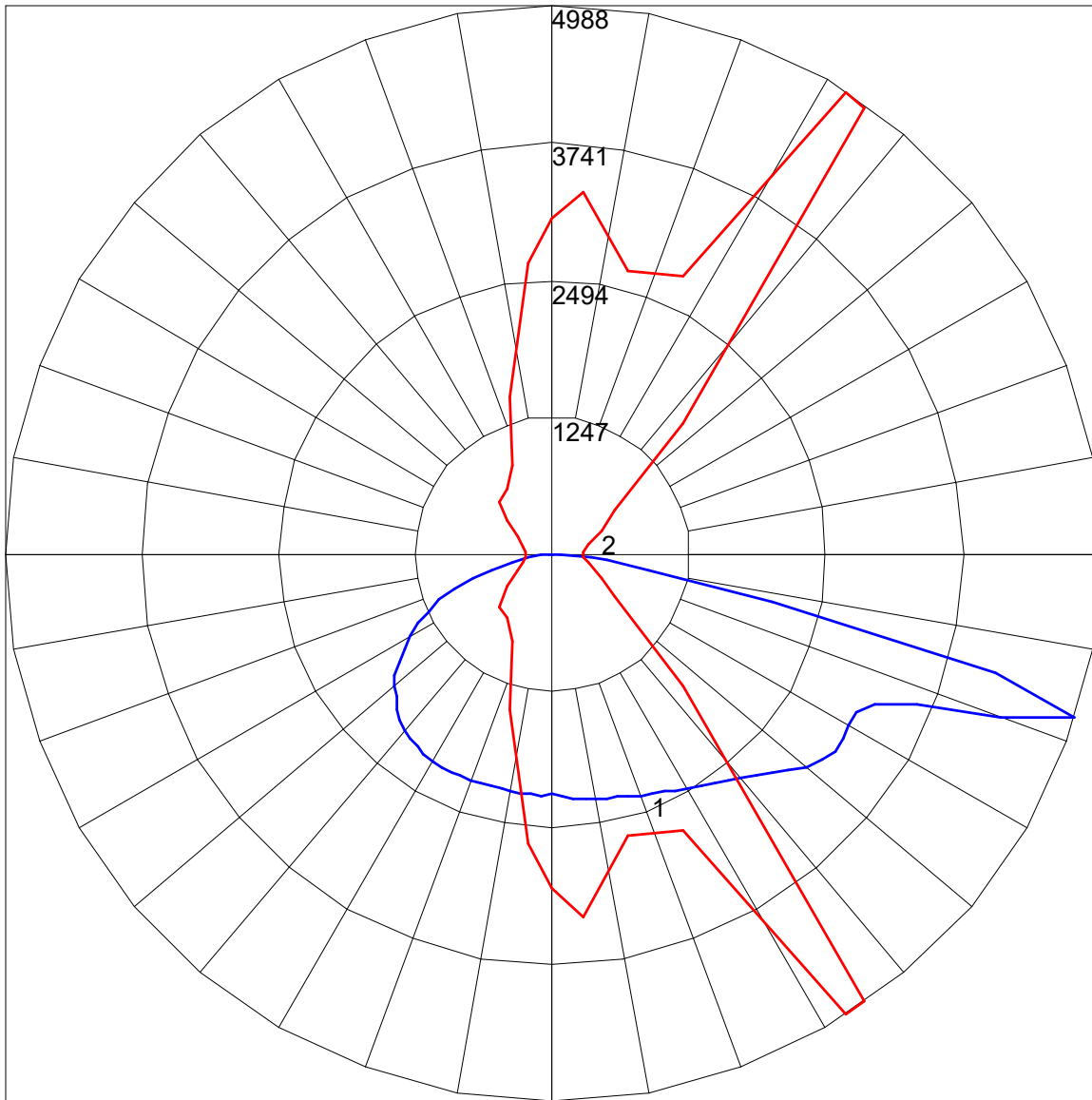
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

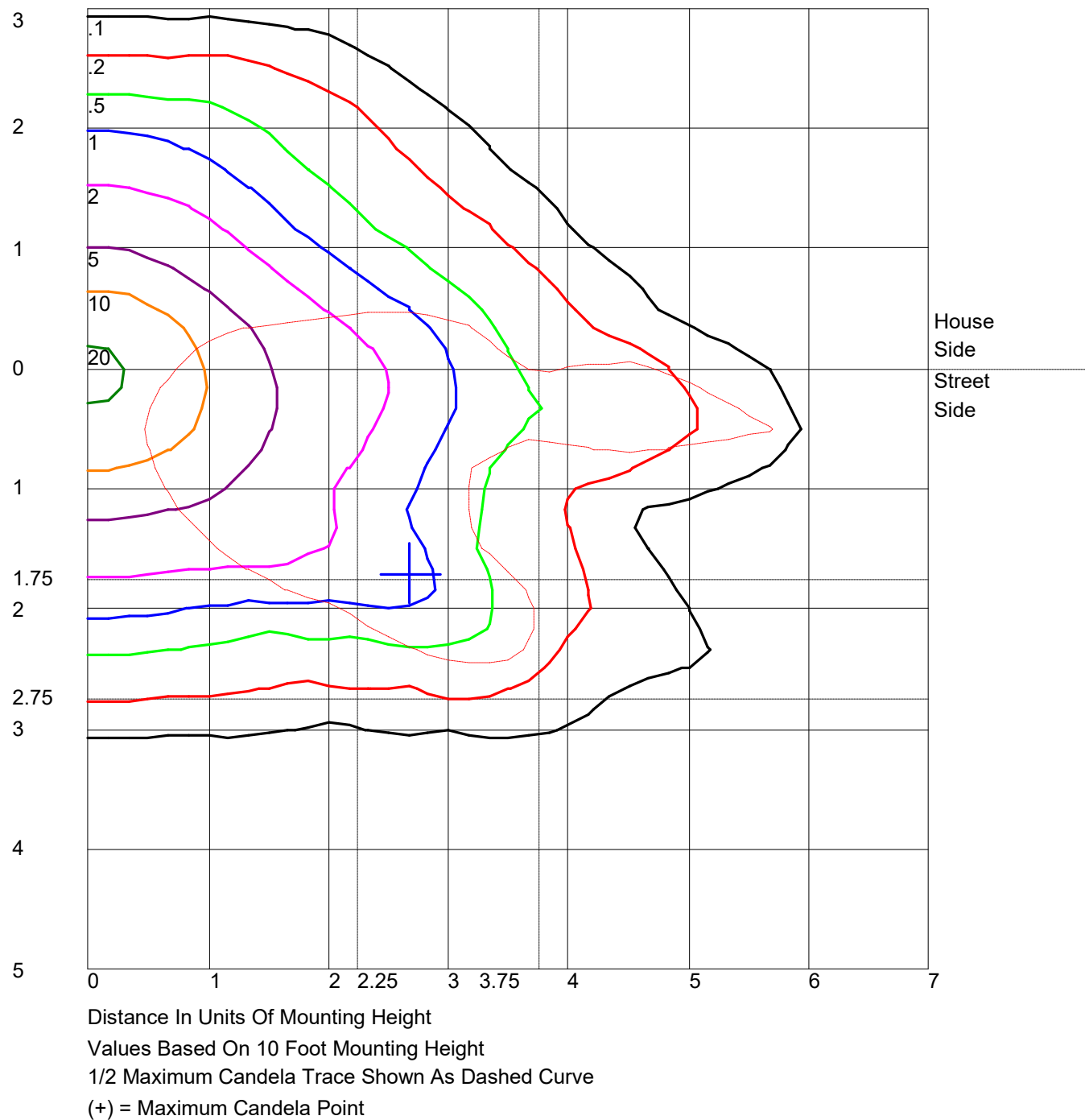
	Lumens	Percent Of Luminaire
Downward Street Side	6121.9	59.6
Downward House Side	4146.9	40.4
Downward Total	10268.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	10268.8	100.0

POLAR GRAPH

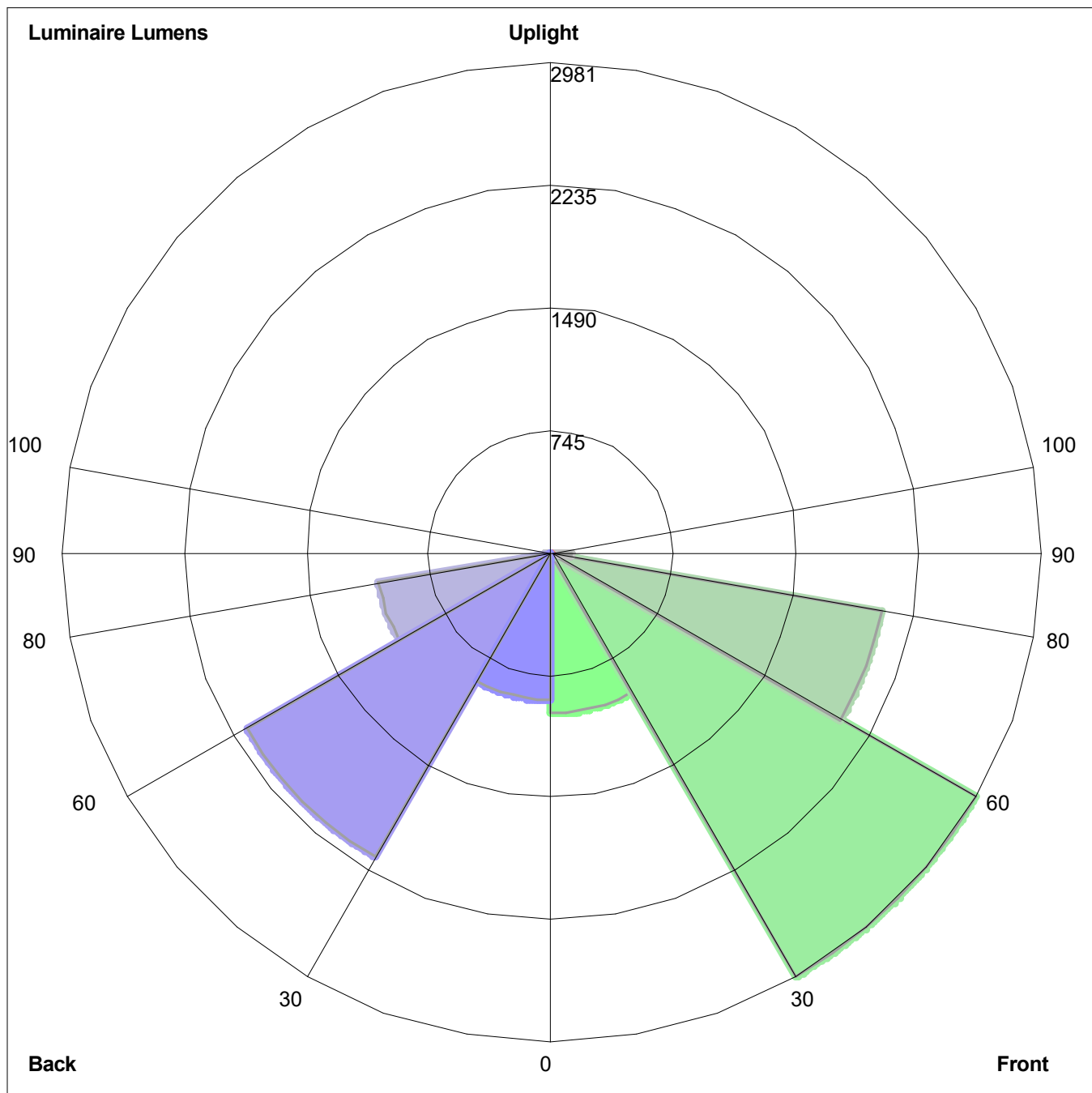


Maximum Candela = 4988 Located At Horizontal Angle = 57.5, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (57.5 - 237.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=981.3, Medium=2980.6, High=2036.6, Very High=123.4
Back: Low=900.5, Medium=2138.4, High= 1065.0, Very High=43.0
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3