

IES ROAD REPORT
PHOTOMETRIC FILENAME : XLCW-FT-LED-HO-CW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-6644
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/27/15
[TEST DATE]02/27/15
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XLCW-FT-LED-HO-CW-UE
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]5113

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5113
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	56.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2970
Maximum Candela Angle	5H 42.5V
Maximum Candela (<90 Degrees Vertical)	2970
Maximum Candela Angle (<90 Degrees Vertical)	5H 42.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	261 (5.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	872.7	N.A.	17.1
FM - Front-Medium (30-60)	2458.3	N.A.	48.1
FH - Front-High (60-80)	924.8	N.A.	18.1
FVH - Front-Very High (80-90)	19.5	N.A.	0.4
BL - Back-Low (0-30)	317.3	N.A.	6.2
BM - Back-Medium (30-60)	420.6	N.A.	8.2
BH - Back-High (60-80)	93.0	N.A.	1.8
BVH - Back-Very High (80-90)	7.1	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5113.3	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	10	15	25	35	45	55	65	75
0.0	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882
2.5	1979	1981	1984	1987	1993	1989	1991	1988	1983	1974
5.0	2171	2173	2175	2176	2172	2148	2122	2088	2064	2027
7.5	2147	2150	2156	2161	2195	2228	2244	2219	2146	2074
10.0	2018	2021	2028	2034	2072	2121	2195	2258	2235	2119
12.5	1951	1950	1959	1967	1992	2023	2094	2185	2264	2178
15.0	1840	1843	1849	1854	1904	1970	2014	2095	2218	2219
17.5	1890	1889	1886	1883	1869	1867	1959	2018	2132	2238
20.0	2013	2002	1981	1960	1919	1890	1869	1973	2062	2225
22.5	2122	2120	2103	2085	2057	1936	1881	1892	1995	2171
25.0	2373	2366	2307	2248	2143	2064	1912	1843	1947	2100
27.5	2586	2585	2574	2563	2392	2146	2019	1856	1891	2027
30.0	2657	2652	2622	2591	2561	2386	2069	1870	1807	1961
32.5	2805	2804	2778	2751	2622	2519	2201	1946	1765	1893
35.0	2780	2781	2767	2753	2745	2558	2422	1970	1752	1826
37.5	2818	2820	2802	2784	2704	2669	2409	2040	1738	1763
40.0	2876	2869	2828	2787	2727	2616	2479	2213	1763	1687
42.5	2970	2970	2923	2876	2752	2625	2491	2227	1767	1594
45.0	2503	2542	2633	2723	2798	2602	2420	2210	1767	1508
47.5	2328	2333	2338	2343	2461	2615	2397	2237	1834	1449
50.0	2441	2421	2367	2313	2210	2391	2385	2136	1867	1388
52.5	2178	2187	2268	2349	2254	2077	2343	2076	1785	1335
55.0	2432	2404	2293	2181	2112	2069	1952	1993	1753	1294
57.5	2684	2690	2653	2616	2201	1957	1782	1929	1645	1215
60.0	2637	2627	2575	2522	2466	1995	1795	1644	1516	1161
62.5	2504	2490	2490	2489	2397	2220	1556	1394	1388	1110
65.0	1915	1896	1976	2056	2223	2123	1807	1341	1273	976
67.5	939	989	1068	1146	1563	1891	1696	1123	979	871
70.0	325	357	414	471	767	1172	1530	1236	797	719
72.5	148	154	162	170	227	482	947	1092	667	581
75.0	49	49	55	61	93	137	322	774	646	449
77.5	44	44	44	43	42	52	87	268	539	283
80.0	41	41	41	40	39	36	35	61	261	191
82.5	40	39	39	38	36	34	30	27	45	127
85.0	37	37	37	36	34	32	28	23	18	32
87.5	34	34	34	33	32	29	25	20	15	9
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	85	90	95	105	115	125	135	145	155	165
0.0	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882
2.5	1961	1943	1918	1888	1855	1827	1793	1753	1732	1725
5.0	1986	1940	1891	1812	1728	1639	1542	1446	1383	1356
7.5	2004	1942	1865	1732	1566	1396	1261	1157	1085	1029
10.0	2025	1945	1843	1639	1388	1197	1038	873	762	691
12.5	2041	1946	1817	1531	1232	1008	764	608	522	478
15.0	2049	1939	1782	1407	1091	785	559	455	393	363
17.5	2061	1936	1749	1301	914	591	439	361	345	346
20.0	2064	1926	1708	1198	743	468	358	344	357	358
22.5	2064	1916	1664	1100	599	383	340	358	356	363
25.0	2062	1904	1619	1000	496	340	351	357	351	328
27.5	2052	1880	1557	880	425	335	347	342	313	295

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CANDELA TABULATION - (Cont.)

30.0	2040	1858	1497	762	369	344	345	309	295	293
32.5	2025	1829	1430	658	345	340	314	294	290	294
35.0	2001	1793	1360	572	346	339	290	287	295	301
37.5	1969	1748	1284	508	358	313	284	289	299	302
40.0	1931	1702	1207	454	359	291	279	291	295	296
42.5	1884	1643	1130	407	359	282	281	287	290	292
45.0	1827	1568	1039	371	346	277	279	281	287	278
47.5	1745	1494	954	351	317	278	273	275	240	245
50.0	1644	1421	874	354	293	276	267	251	237	236
52.5	1534	1346	797	350	281	270	262	228	216	152
55.0	1400	1248	702	344	273	262	224	210	146	135
57.5	1244	1131	603	317	267	253	217	140	114	28
60.0	1089	1010	519	275	258	239	169	109	8	0
62.5	931	874	425	248	248	216	126	23	6	0
65.0	777	740	341	226	239	165	67	20	5	0
67.5	616	608	267	209	216	112	39	17	4	0
70.0	465	461	214	189	180	64	35	16	3	0
72.5	346	336	164	162	122	53	32	14	2	0
75.0	244	247	115	137	80	50	29	12	2	0
77.5	172	158	82	104	66	45	25	10	1	0
80.0	107	91	53	62	56	36	21	8	1	0
82.5	51	37	28	39	45	30	18	7	1	0
85.0	18	12	15	27	33	23	13	5	0	0
87.5	6	4	7	16	19	12	6	1	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

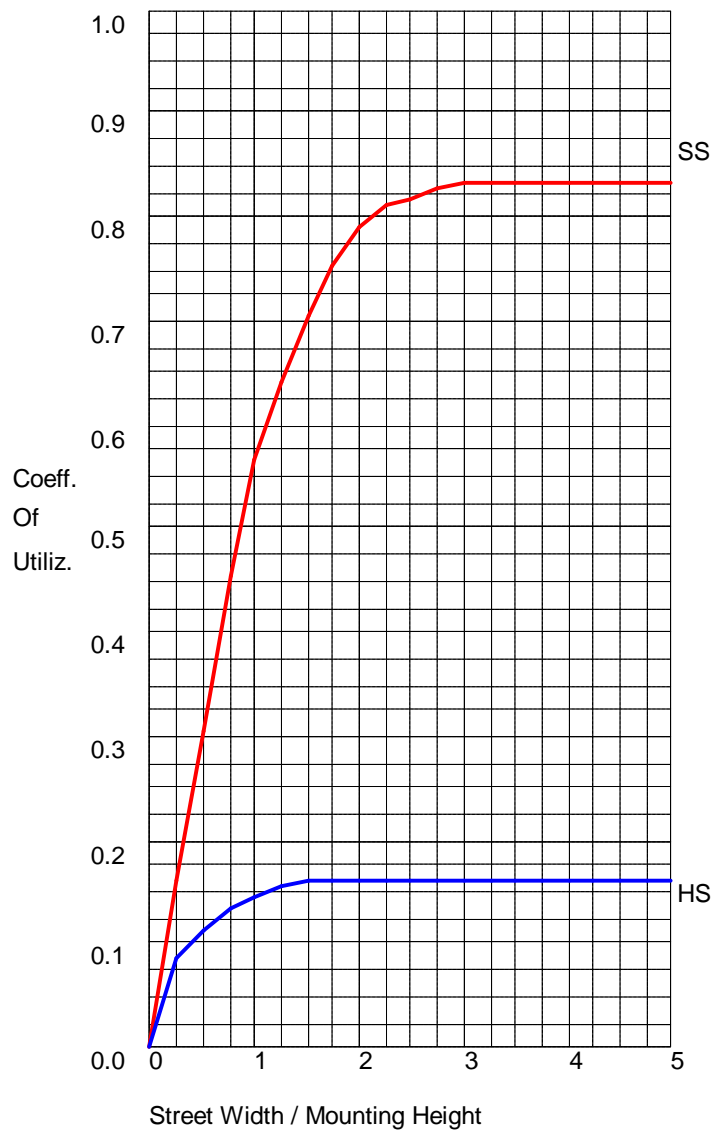
	175	180
0.0	1882	1882
2.5	1715	1714
5.0	1335	1333
7.5	1018	1014
10.0	672	668
12.5	458	462
15.0	353	354
17.5	349	351
20.0	356	355
22.5	360	358
25.0	317	316
27.5	295	295
30.0	293	292
32.5	298	299
35.0	303	303
37.5	302	302
40.0	298	298
42.5	296	295
45.0	245	245
47.5	248	248
50.0	221	219
52.5	149	148
55.0	117	113
57.5	0	0
60.0	0	0
62.5	0	0
65.0	0	0

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CANDELA TABULATION - (Cont.)

67.5	0	0
70.0	0	0
72.5	0	0
75.0	0	0
77.5	0	0
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

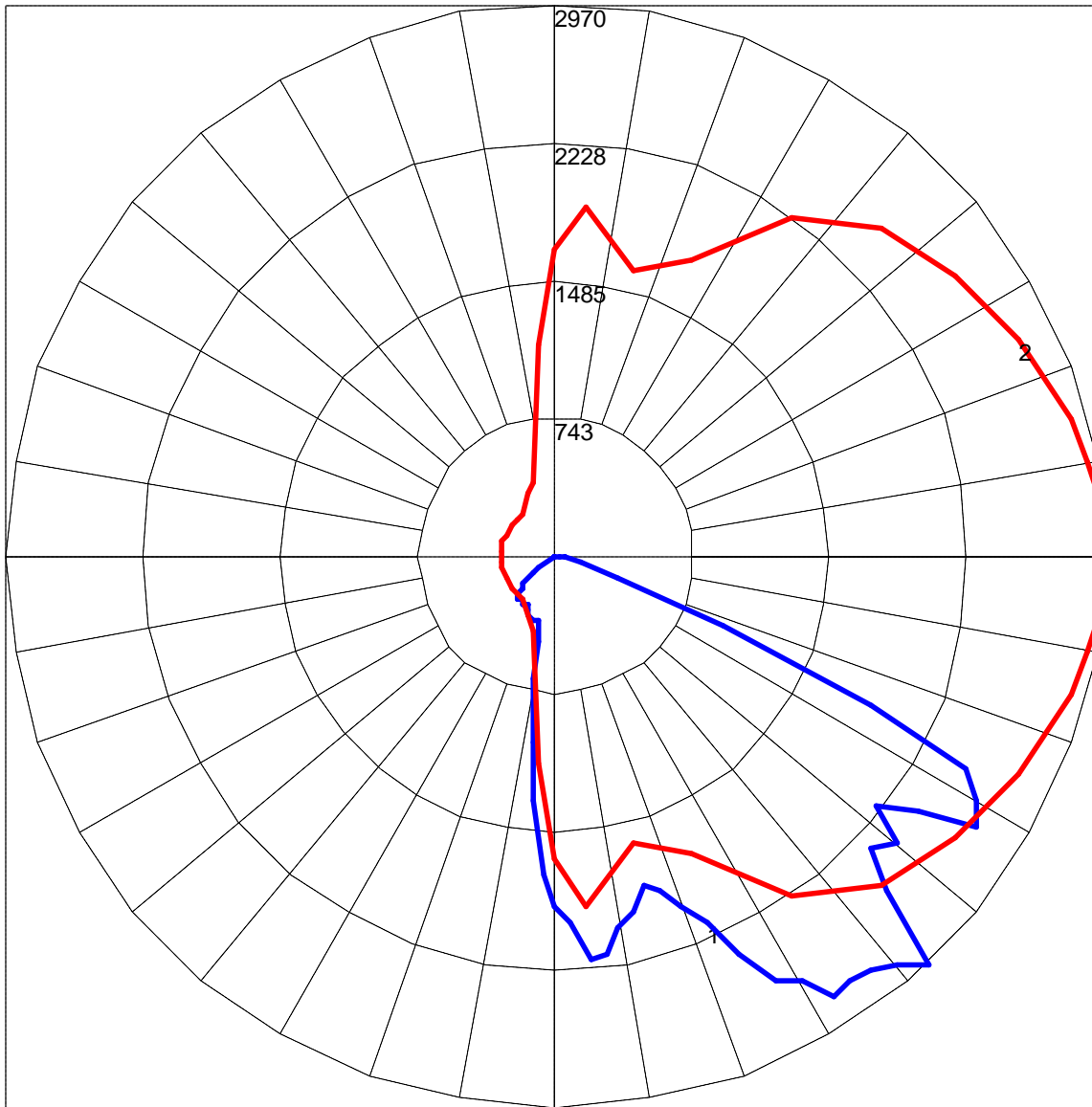
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

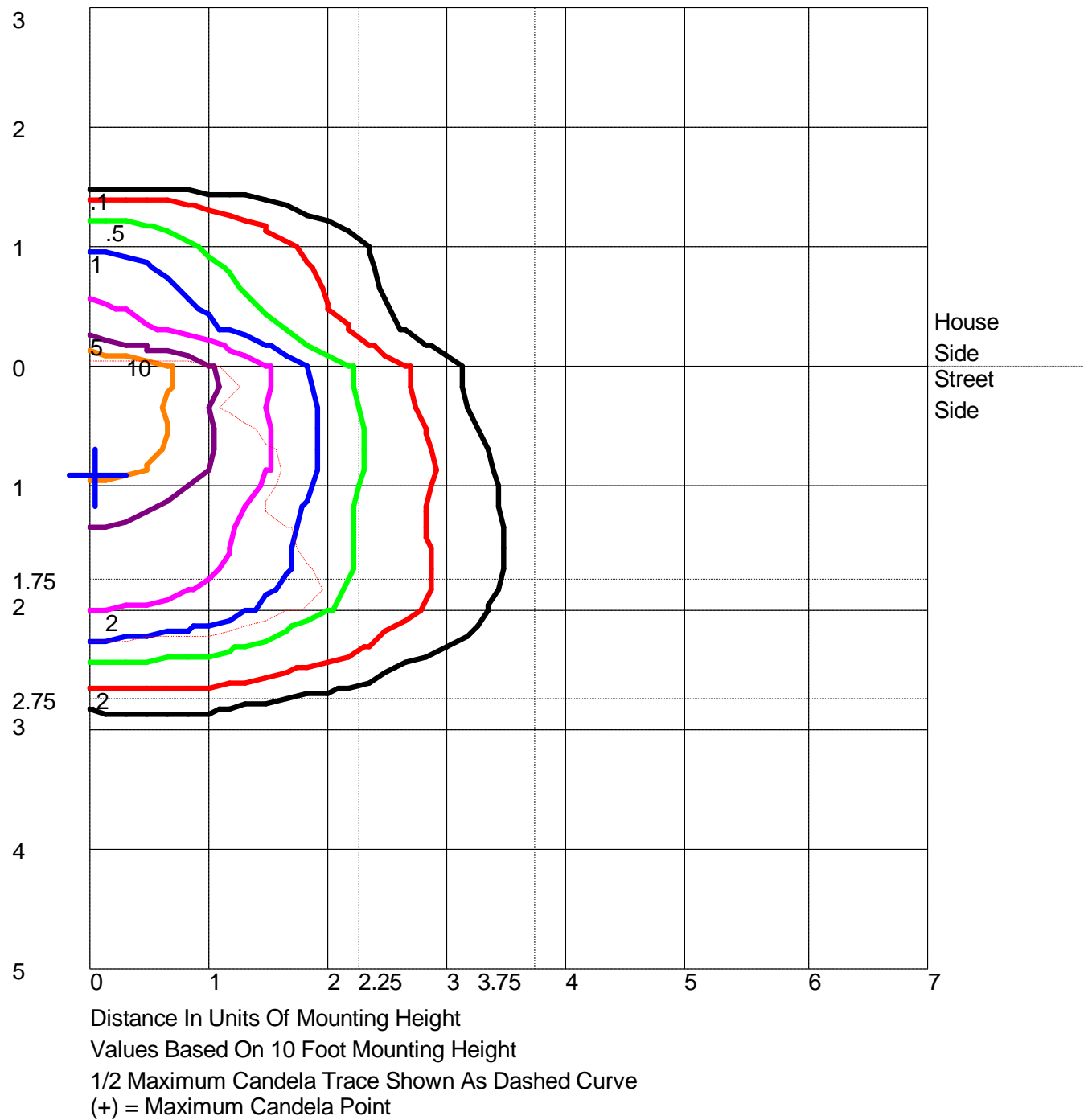
	Lumens	Percent Of Luminaire
Downward Street Side	4275.3	83.6
Downward House Side	838.0	16.4
Downward Total	5113.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5113.3	100.0

POLAR GRAPH

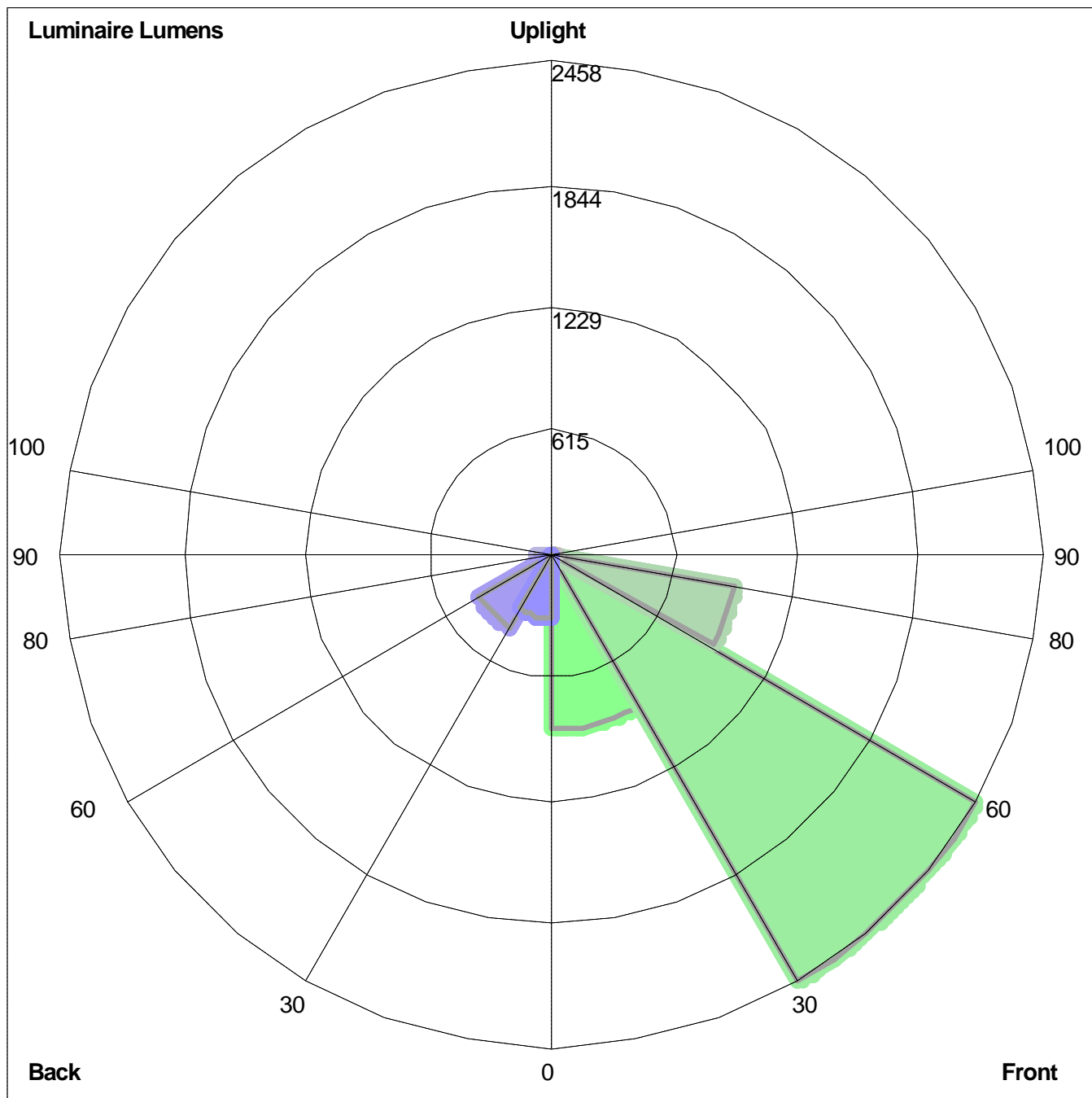


Maximum Candela = 2970 Located At Horizontal Angle = 5, Vertical Angle = 42.5
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (42.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=872.7, Medium=2458.3, High=924.8, Very High=19.5
Back: Low=317.3, Medium=420.6, High=93.0, Very High=7.1
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1