



IES ROAD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11552

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/7/2020

[TEST DATE] 01/30/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SMW-LED-10L-FT-UNV-DIM-50

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10163
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	78
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4034
Maximum Candela Angle	40H 72.5V
Maximum Candela (<90 Degrees Vertical)	4034
Maximum Candela Angle (<90 Degrees Vertical)	40H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2034 (20.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	952.9	N.A.	9.4
FM - Front-Medium (30-60)	3075.4	N.A.	30.3
FH - Front-High (60-80)	2741.8	N.A.	27.0
FVH - Front-Very High (80-90)	211.6	N.A.	2.1
BL - Back-Low (0-30)	818.8	N.A.	8.1
BM - Back-Medium (30-60)	1726.9	N.A.	17.0
BH - Back-High (60-80)	612.8	N.A.	6.0
BVH - Back-Very High (80-90)	22.9	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	10163.1	N.A.	100.0
BUG Rating	B2-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	40	45	55	65	75
0.0	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053
2.5	2061	2058	2051	2057	2063	2067	2066	2075	2079	2086
5.0	2087	2084	2077	2082	2087	2089	2087	2092	2095	2099
7.5	2117	2114	2105	2107	2110	2112	2110	2115	2111	2114
10.0	2149	2146	2136	2139	2139	2139	2138	2138	2133	2131
12.5	2183	2177	2166	2168	2169	2169	2166	2165	2158	2151
15.0	2215	2209	2198	2199	2200	2199	2197	2194	2186	2175
17.5	2245	2242	2229	2233	2232	2232	2231	2225	2218	2204
20.0	2278	2273	2262	2265	2269	2266	2268	2261	2253	2238
22.5	2310	2306	2297	2302	2309	2308	2310	2303	2296	2277
25.0	2337	2334	2329	2339	2351	2352	2356	2349	2342	2318
27.5	2362	2359	2357	2377	2395	2403	2405	2400	2389	2361
30.0	2382	2379	2385	2411	2439	2452	2459	2452	2437	2405
32.5	2396	2395	2407	2449	2486	2503	2515	2510	2487	2447
35.0	2405	2406	2425	2483	2534	2558	2571	2568	2535	2486
37.5	2409	2413	2442	2516	2590	2617	2632	2629	2582	2525
40.0	2412	2417	2458	2554	2648	2679	2702	2689	2630	2559
42.5	2412	2417	2473	2590	2707	2745	2770	2750	2677	2590
45.0	2407	2416	2488	2630	2769	2813	2840	2810	2724	2617
47.5	2394	2407	2499	2667	2836	2887	2918	2874	2768	2644
50.0	2375	2392	2503	2704	2902	2962	3000	2947	2815	2674
52.5	2366	2388	2513	2745	2979	3040	3087	3027	2872	2707
55.0	2378	2399	2537	2797	3062	3133	3183	3117	2939	2748
57.5	2418	2440	2583	2863	3149	3229	3278	3206	3011	2807
60.0	2485	2507	2648	2938	3228	3307	3349	3268	3073	2882
62.5	2577	2602	2731	3014	3284	3355	3376	3282	3092	2939
65.0	2705	2715	2825	3082	3317	3376	3385	3243	3006	2890
67.5	2837	2841	2928	3154	3369	3428	3440	3224	2790	2598
70.0	2956	2962	3045	3302	3587	3650	3685	3332	2576	2055
72.5	2616	2649	2964	3546	3993	4034	3982	3419	2495	1954
75.0	1860	1910	2418	3451	3987	3841	3495	2843	2158	1845
77.5	1573	1600	1874	2525	2950	2776	2582	2078	1085	997
80.0	790	842	1115	1693	2034	2026	1860	1252	529	438
82.5	246	264	378	673	945	1011	1023	809	319	218
85.0	129	137	189	336	505	570	607	489	152	98
87.5	53	54	80	138	216	253	274	214	60	42
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	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053
2.5	2082	2087	2083	2080	2070	2058	2047	2035	2022	2010
5.0	2091	2093	2087	2079	2066	2049	2035	2020	2004	1990
7.5	2101	2101	2094	2081	2062	2040	2021	2003	1984	1969
10.0	2117	2115	2105	2087	2062	2034	2011	1987	1964	1948
12.5	2133	2129	2117	2094	2064	2031	2001	1968	1939	1919
15.0	2154	2148	2134	2104	2069	2028	1988	1946	1909	1883
17.5	2178	2171	2154	2119	2076	2025	1974	1920	1871	1838
20.0	2207	2197	2177	2134	2084	2019	1955	1887	1825	1778
22.5	2240	2226	2204	2154	2092	2012	1932	1847	1772	1715
25.0	2278	2259	2232	2171	2097	2001	1902	1799	1707	1646
27.5	2315	2291	2262	2189	2099	1984	1863	1743	1641	1574

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CANDELA TABULATION - (Cont.)

30.0	2352	2325	2289	2205	2098	1959	1816	1678	1569	1503
32.5	2386	2356	2317	2218	2090	1926	1760	1605	1498	1437
35.0	2418	2386	2339	2224	2075	1883	1693	1535	1431	1377
37.5	2446	2410	2360	2231	2054	1833	1621	1467	1373	1325
40.0	2472	2431	2375	2233	2028	1774	1552	1407	1321	1271
42.5	2493	2448	2386	2228	1994	1713	1484	1349	1267	1201
45.0	2510	2461	2396	2216	1955	1648	1419	1294	1193	1090
47.5	2527	2474	2399	2197	1910	1577	1353	1228	1079	941
50.0	2542	2484	2397	2168	1851	1502	1286	1132	937	794
52.5	2559	2494	2390	2123	1774	1416	1208	1007	805	715
55.0	2586	2502	2377	2055	1673	1315	1106	882	710	657
57.5	2620	2514	2353	1968	1557	1194	983	768	631	561
60.0	2671	2538	2331	1871	1426	1057	848	667	544	496
62.5	2729	2565	2307	1762	1273	907	722	568	467	442
65.0	2729	2561	2276	1643	1090	786	612	481	368	266
67.5	2517	2421	2171	1471	929	663	514	350	214	188
70.0	1990	2014	1886	1234	761	533	379	198	168	154
72.5	1666	1553	1418	954	604	411	219	152	133	126
75.0	1643	1366	1062	663	418	243	156	114	100	95
77.5	1356	1164	793	421	256	130	104	80	71	67
80.0	794	760	539	250	113	73	61	52	44	38
82.5	310	337	292	139	50	38	30	19	10	5
85.0	117	144	142	49	21	13	7	2	1	0
87.5	41	50	42	8	2	1	1	1	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

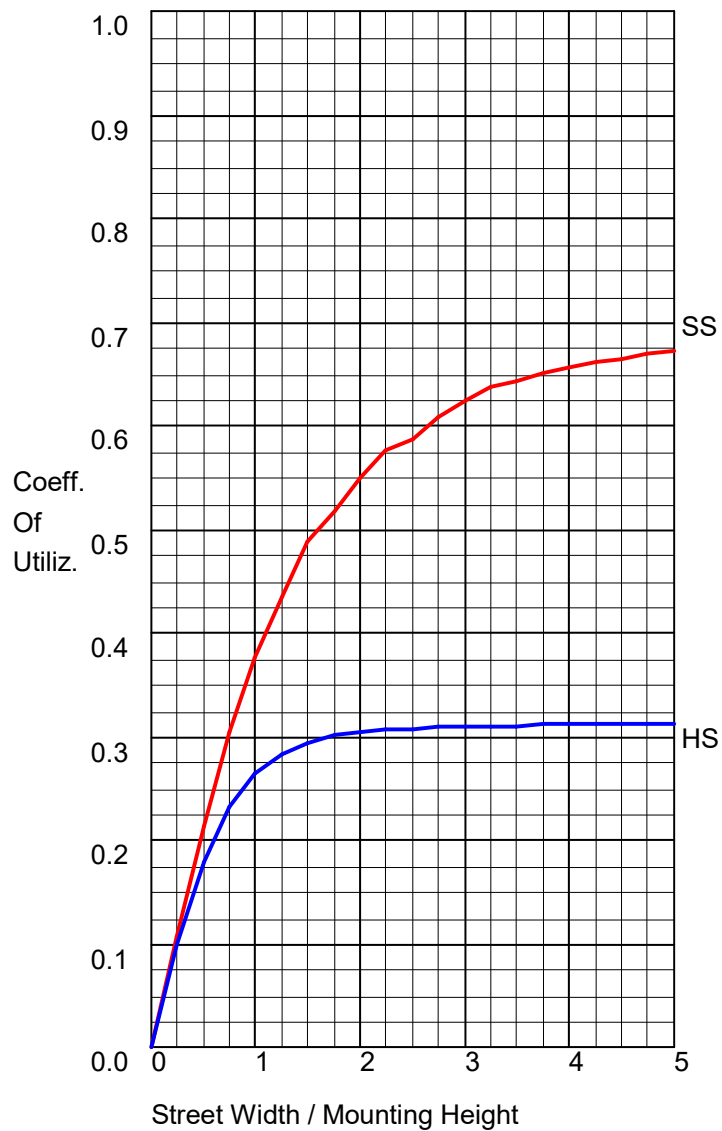
	175	180
0.0	2053	2053
2.5	2012	2018
5.0	1991	1996
7.5	1967	1972
10.0	1942	1946
12.5	1905	1910
15.0	1864	1868
17.5	1814	1817
20.0	1753	1754
22.5	1686	1686
25.0	1614	1610
27.5	1540	1533
30.0	1468	1460
32.5	1403	1395
35.0	1345	1339
37.5	1292	1289
40.0	1234	1235
42.5	1151	1140
45.0	1011	1002
47.5	855	847
50.0	746	743
52.5	695	695
55.0	617	614
57.5	535	534
60.0	489	489
62.5	413	419
65.0	242	230

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CANDELA TABULATION - (Cont.)

67.5	180	180
70.0	149	148
72.5	124	123
75.0	94	95
77.5	67	67
80.0	34	34
82.5	2	1
85.0	0	0
87.5	0	0
90.0	0	0

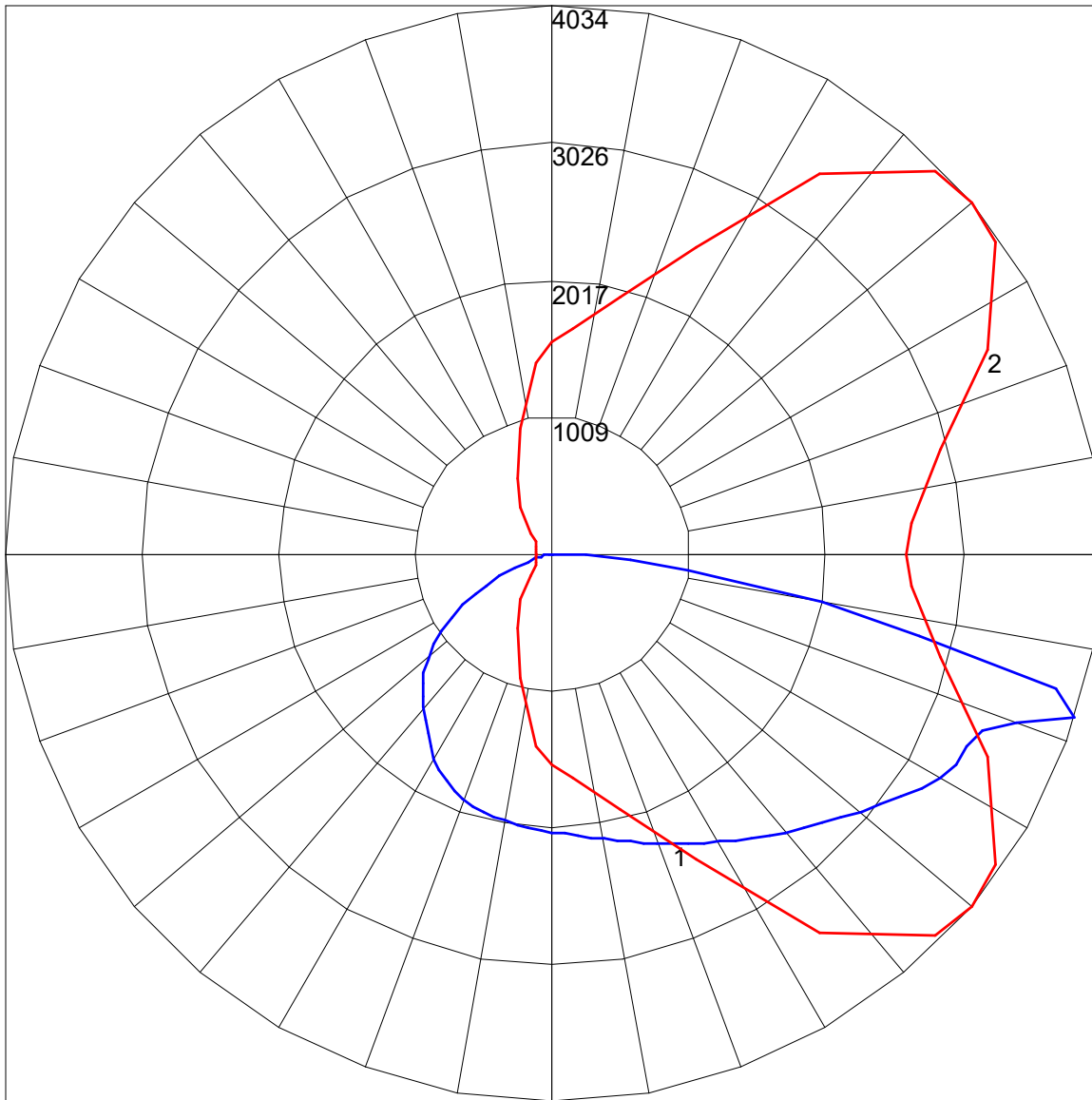
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

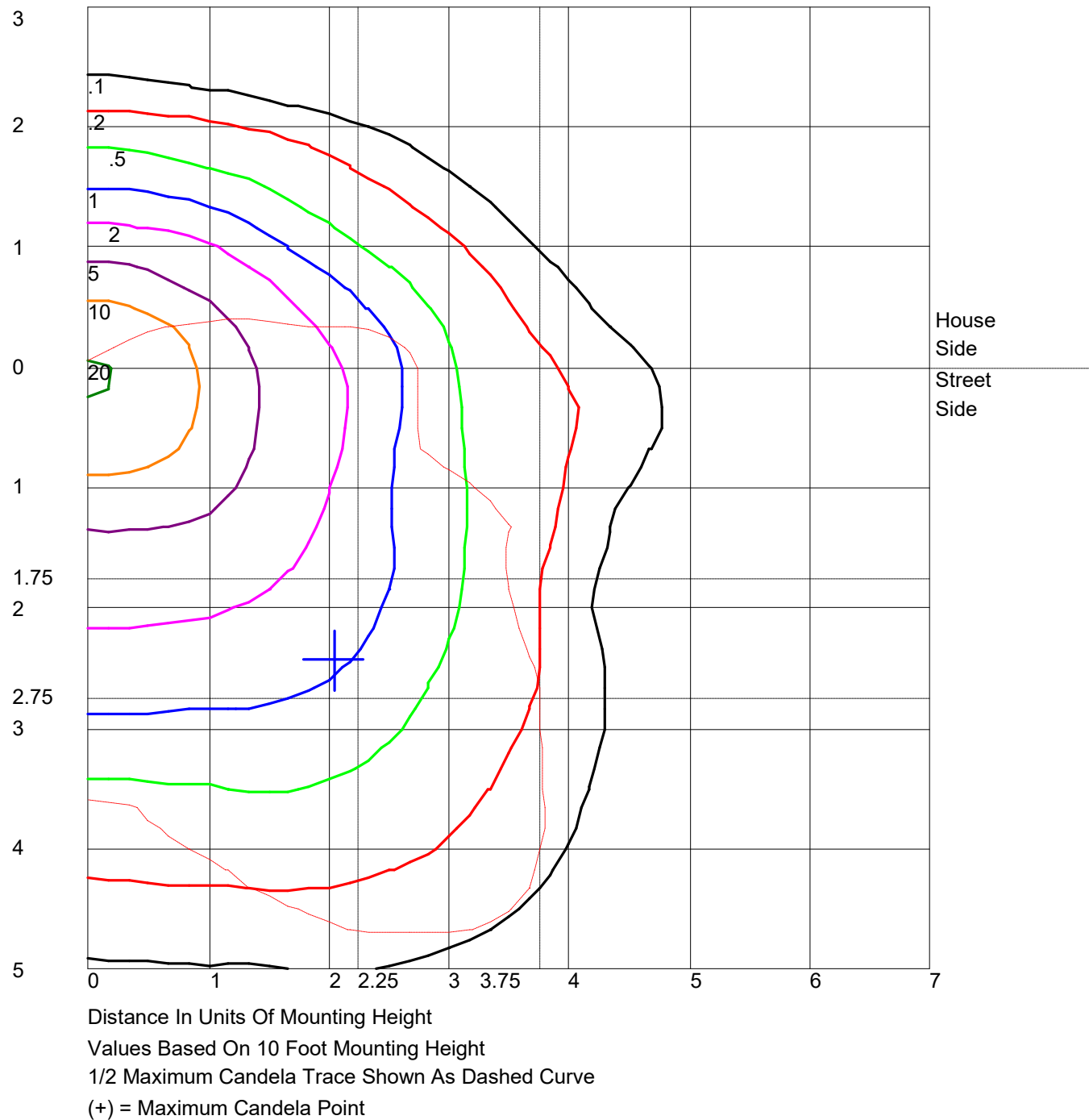
	Lumens	Percent Of Luminaire
Downward Street Side	6981.7	68.7
Downward House Side	3181.4	31.3
Downward Total	10163.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	10163.1	100.0

POLAR GRAPH

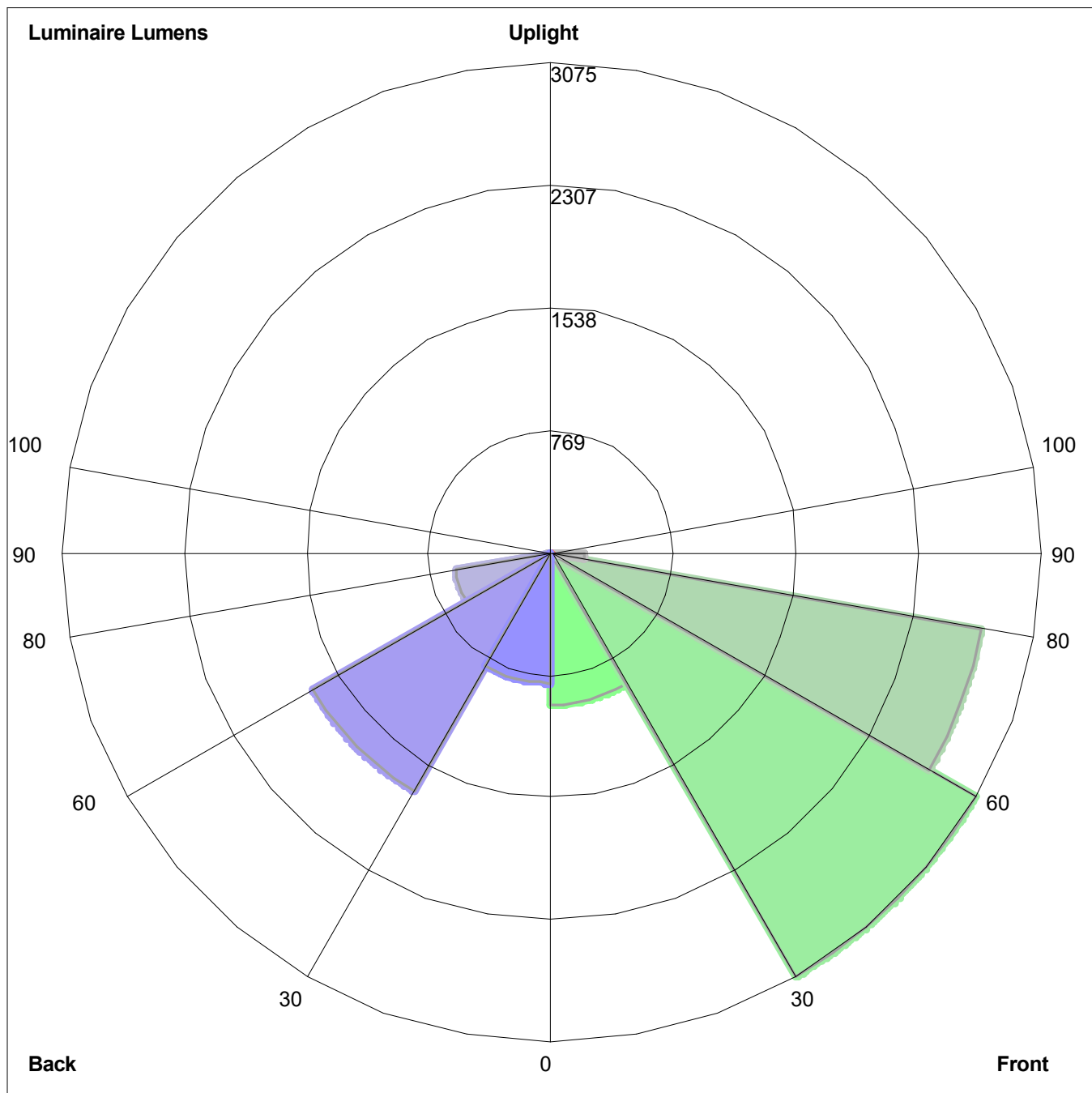


Maximum Candela = 4034 Located At Horizontal Angle = 40, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (40 - 220) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=952.9, Medium=3075.4, High=2741.8, Very High=211.6
Back: Low=818.8, Medium=1726.9, High=612.8, Very High=22.9
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2