



IES ROAD REPORT

PHOTOMETRIC FILENAME : SLW-LED-14L-3-UNV-DIM-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11650
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 5/7/2020
[TEST DATE] 03/30/20
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMCAT] SLW-LED-14L-3-UNV-DIM-40
[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 IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13937
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	104
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6365
Maximum Candela Angle	55H 75V
Maximum Candela (<90 Degrees Vertical)	6365
Maximum Candela Angle (<90 Degrees Vertical)	55H 75V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3605 (25.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1312.5	N.A.	9.4
FM - Front-Medium (30-60)	4094.9	N.A.	29.4
FH - Front-High (60-80)	3346.4	N.A.	24.0
FVH - Front-Very High (80-90)	322.8	N.A.	2.3
BL - Back-Low (0-30)	1154.1	N.A.	8.3
BM - Back-Medium (30-60)	2624.4	N.A.	18.8
BH - Back-High (60-80)	1051.9	N.A.	7.5
BVH - Back-Very High (80-90)	30.3	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	13937.2	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>52.5</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	2904	2904	2904	2904	2904	2904	2904	2904	2904	2904
2.5	2918	2917	2922	2919	2926	2925	2919	2924	2923	2924
5.0	2954	2949	2954	2949	2954	2949	2940	2945	2939	2934
7.5	2991	2985	2989	2982	2983	2975	2964	2967	2956	2945
10.0	3030	3024	3027	3016	3015	3002	2989	2991	2974	2959
12.5	3071	3065	3067	3053	3049	3034	3016	3018	2995	2974
15.0	3111	3107	3105	3089	3083	3065	3044	3045	3019	2993
17.5	3150	3146	3142	3125	3118	3096	3074	3075	3045	3016
20.0	3188	3185	3179	3160	3151	3129	3107	3107	3076	3043
22.5	3225	3222	3216	3195	3185	3163	3141	3143	3111	3074
25.0	3257	3254	3247	3229	3218	3199	3180	3181	3150	3113
27.5	3280	3278	3272	3256	3250	3236	3221	3223	3194	3156
30.0	3294	3291	3287	3278	3281	3275	3266	3269	3245	3206
32.5	3294	3292	3293	3292	3309	3316	3315	3321	3301	3262
35.0	3287	3285	3292	3303	3336	3362	3371	3380	3366	3331
37.5	3279	3277	3291	3314	3368	3416	3440	3447	3443	3407
40.0	3274	3274	3292	3327	3405	3478	3516	3535	3535	3494
42.5	3269	3270	3294	3343	3447	3550	3605	3629	3634	3591
45.0	3259	3262	3294	3359	3492	3634	3714	3736	3751	3697
47.5	3238	3241	3284	3371	3535	3722	3829	3857	3876	3815
50.0	3197	3200	3257	3371	3576	3808	3948	3984	4010	3937
52.5	3134	3137	3208	3356	3605	3890	4066	4109	4149	4068
55.0	3037	3042	3125	3320	3626	3964	4174	4226	4287	4213
57.5	2912	2912	3016	3260	3646	4033	4257	4315	4408	4378
60.0	2763	2778	2893	3183	3663	4092	4301	4356	4488	4552
62.5	2621	2640	2763	3091	3671	4151	4308	4343	4501	4732
65.0	2423	2443	2569	2942	3656	4268	4343	4338	4442	4878
67.5	2130	2134	2265	2657	3535	4485	4562	4476	4326	4951
70.0	1817	1819	1913	2224	3092	4661	5061	4885	4149	4815
72.5	1480	1481	1555	1722	2317	4466	5794	5665	3960	4330
75.0	907	890	988	1216	1556	3732	6210	6365	3685	3441
77.5	615	596	645	792	1017	2636	5513	5837	2973	2368
80.0	310	316	353	508	675	1711	3422	3605	2453	1627
82.5	226	230	253	318	448	1004	1510	1543	2347	890
85.0	160	163	178	219	304	541	652	721	1462	371
87.5	113	112	115	131	183	284	339	447	689	127
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	2904	2904	2904	2904	2904	2904	2904	2904	2904	2904
2.5	2923	2915	2921	2917	2908	2898	2900	2897	2883	2877
5.0	2929	2920	2924	2915	2902	2890	2888	2883	2867	2859
7.5	2935	2924	2926	2913	2896	2880	2875	2867	2849	2839
10.0	2943	2930	2930	2913	2892	2871	2862	2849	2827	2813
12.5	2954	2938	2936	2916	2889	2862	2847	2826	2796	2778
15.0	2968	2949	2945	2919	2888	2852	2824	2794	2754	2727
17.5	2985	2964	2959	2927	2887	2838	2797	2752	2698	2657
20.0	3007	2983	2974	2937	2887	2822	2761	2695	2628	2575
22.5	3034	3009	2996	2950	2887	2800	2716	2625	2545	2486
25.0	3067	3040	3021	2967	2887	2771	2663	2551	2458	2394
27.5	3108	3074	3052	2986	2884	2736	2602	2473	2367	2304

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CANDELA TABULATION - (Cont.)

30.0	3152	3114	3088	3007	2876	2694	2535	2393	2285	2221
32.5	3201	3157	3126	3026	2861	2643	2460	2316	2208	2144
35.0	3257	3206	3169	3044	2836	2585	2386	2241	2137	2072
37.5	3320	3262	3218	3060	2805	2521	2312	2171	2071	2005
40.0	3394	3326	3271	3077	2766	2453	2243	2109	2010	1947
42.5	3475	3396	3328	3088	2719	2382	2178	2048	1954	1890
45.0	3564	3473	3394	3092	2665	2315	2113	1991	1896	1828
47.5	3665	3556	3456	3088	2600	2239	2049	1930	1830	1758
50.0	3764	3646	3517	3063	2514	2152	1978	1860	1761	1701
52.5	3874	3740	3573	3009	2404	2045	1891	1773	1695	1651
55.0	4003	3834	3619	2928	2277	1922	1779	1686	1622	1579
57.5	4169	3950	3665	2835	2143	1781	1637	1588	1483	1358
60.0	4382	4109	3726	2740	1992	1615	1487	1420	1280	1159
62.5	4661	4330	3834	2630	1785	1460	1323	1178	1069	867
65.0	4986	4597	3966	2428	1578	1288	1076	966	804	635
67.5	5263	4813	3991	2151	1354	1066	835	779	594	443
70.0	5184	4598	3607	1805	1108	779	677	573	401	240
72.5	4411	3646	2796	1369	872	564	529	373	219	170
75.0	3797	3153	2078	946	587	411	362	219	129	104
77.5	4086	3044	1401	590	345	253	203	126	80	67
80.0	3070	1579	670	346	168	124	105	67	47	38
82.5	1036	488	342	173	75	59	51	29	9	1
85.0	280	191	152	56	24	16	4	1	0	0
87.5	86	63	33	8	2	2	1	1	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

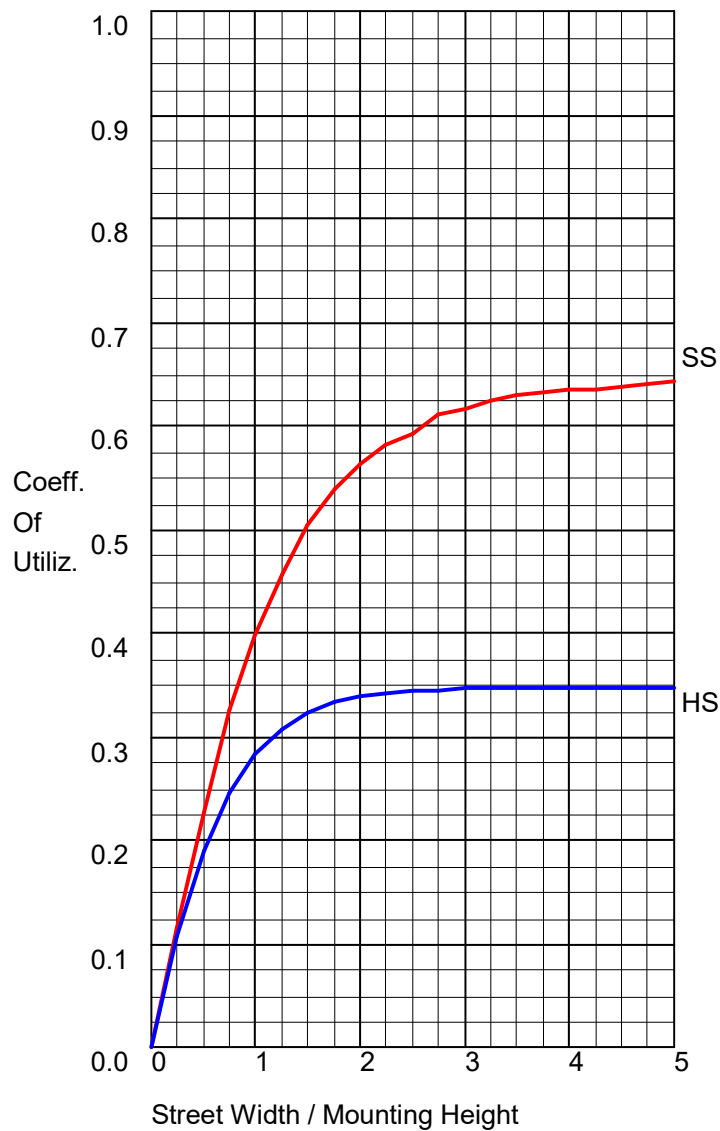
	<u>175.0</u>	<u>180.0</u>
0.0	2904	2904
2.5	2872	2886
5.0	2854	2867
7.5	2833	2845
10.0	2806	2817
12.5	2765	2778
15.0	2709	2722
17.5	2637	2647
20.0	2551	2559
22.5	2458	2464
25.0	2363	2368
27.5	2272	2275
30.0	2188	2192
32.5	2112	2116
35.0	2042	2047
37.5	1974	1981
40.0	1918	1917
42.5	1860	1858
45.0	1791	1792
47.5	1729	1731
50.0	1680	1682
52.5	1637	1639
55.0	1537	1535
57.5	1325	1332
60.0	1060	1066
62.5	758	737
65.0	602	592

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CANDELA TABULATION - (Cont.)

67.5	367	360
70.0	222	221
72.5	154	152
75.0	96	95
77.5	61	61
80.0	34	32
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

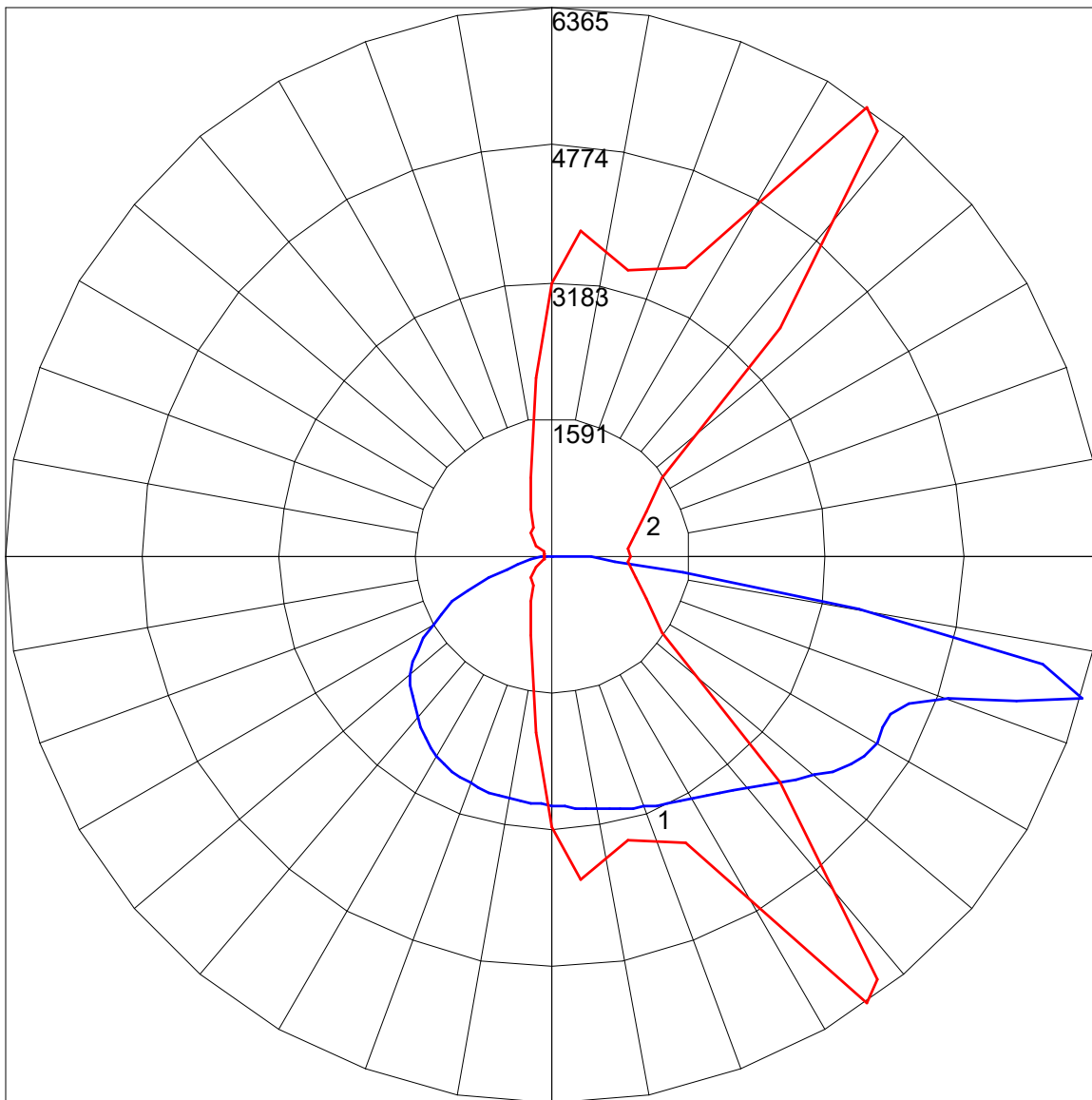
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

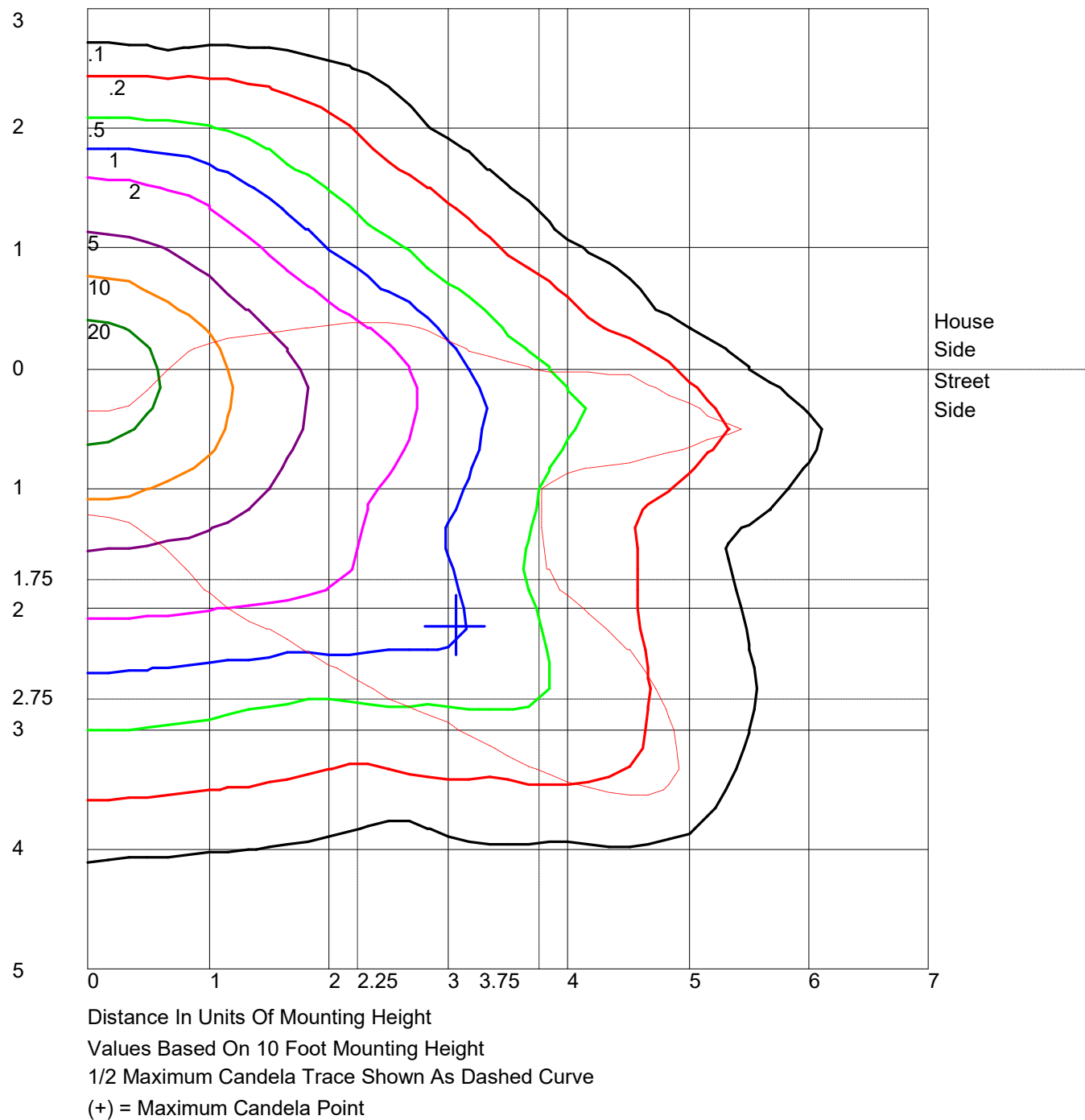
	Lumens	Percent Of Luminaire
Downward Street Side	9076.5	65.1
Downward House Side	4860.7	34.9
Downward Total	13937.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13937.2	100.0

POLAR GRAPH

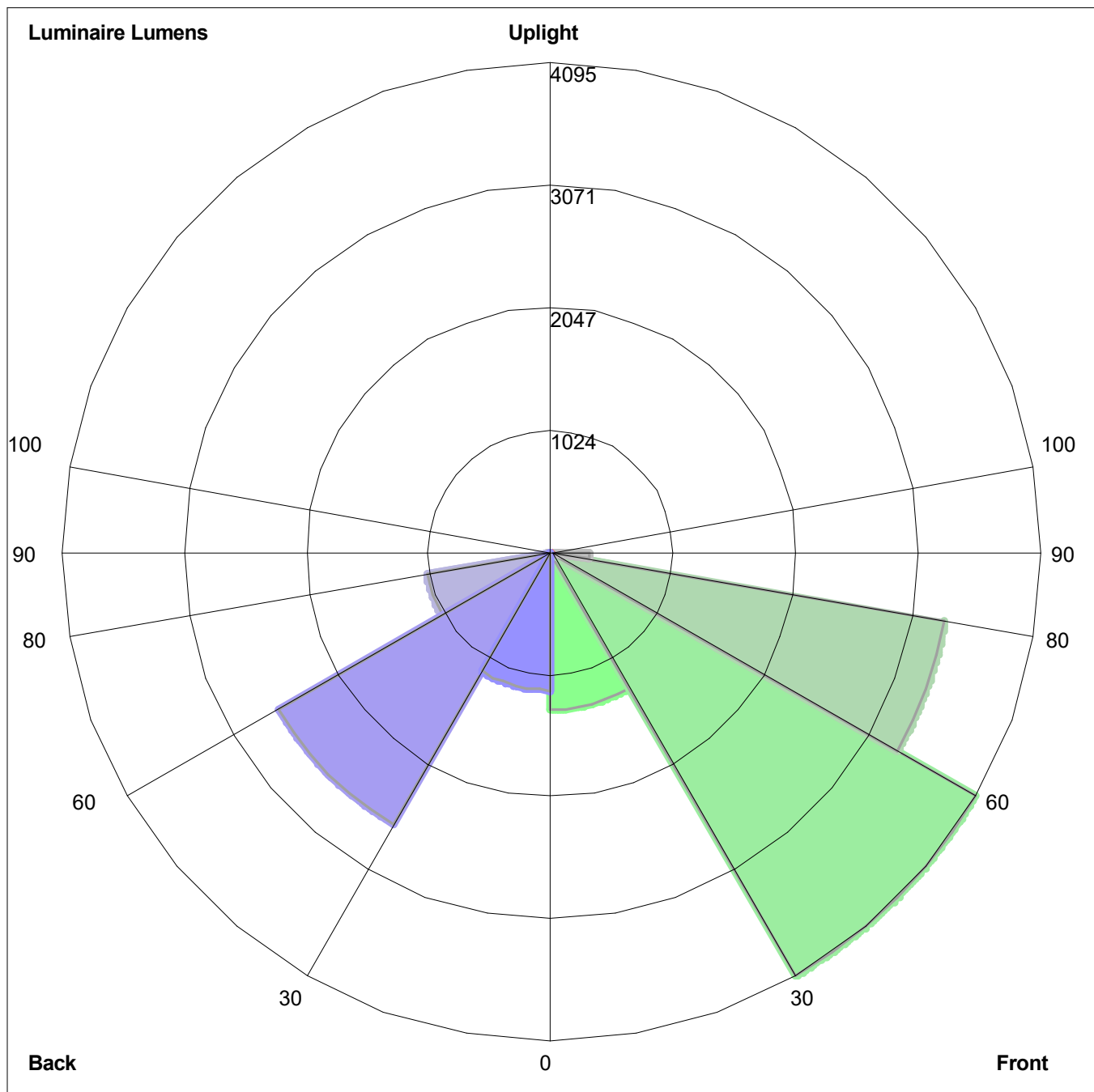


Maximum Candela = 6365 Located At Horizontal Angle = 55, Vertical Angle = 75
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1312.5, Medium=4094.9, High=3346.4, Very High=322.8
Back: Low=1154.1, Medium=2624.4, High=1051.9, Very High=30.3
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3