



IES ROAD REPORT

PHOTOMETRIC FILENAME : SLW-LED-14L-3-UNV-DIM-30.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
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] SLW-LED-14L-3-UNV-DIM-30
[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	13525
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	104
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6177
Maximum Candela Angle	55H 75V
Maximum Candela (<90 Degrees Vertical)	6177
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	3499 (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)	1273.6	N.A.	9.4
FM - Front-Medium (30-60)	3973.9	N.A.	29.4
FH - Front-High (60-80)	3247.5	N.A.	24.0
FVH - Front-Very High (80-90)	313.2	N.A.	2.3
BL - Back-Low (0-30)	1120.0	N.A.	8.3
BM - Back-Medium (30-60)	2546.8	N.A.	18.8
BH - Back-High (60-80)	1020.8	N.A.	7.5
BVH - Back-Very High (80-90)	29.4	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	13525.2	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	2818	2818	2818	2818	2818	2818	2818	2818	2818	2818
2.5	2832	2830	2836	2832	2839	2839	2833	2838	2836	2837
5.0	2866	2862	2867	2862	2866	2862	2853	2858	2852	2847
7.5	2902	2897	2901	2893	2895	2887	2876	2879	2869	2858
10.0	2940	2935	2937	2927	2926	2913	2900	2902	2886	2871
12.5	2980	2974	2976	2963	2958	2944	2927	2929	2906	2886
15.0	3019	3015	3013	2998	2992	2974	2954	2955	2929	2904
17.5	3057	3053	3049	3032	3026	3005	2984	2984	2955	2927
20.0	3094	3091	3085	3066	3058	3036	3015	3015	2985	2953
22.5	3130	3127	3121	3101	3091	3070	3049	3050	3019	2984
25.0	3160	3158	3151	3133	3123	3104	3086	3087	3057	3021
27.5	3184	3181	3175	3160	3154	3140	3126	3127	3099	3063
30.0	3196	3194	3190	3181	3184	3178	3169	3173	3149	3111
32.5	3196	3194	3196	3195	3211	3218	3217	3223	3204	3165
35.0	3190	3188	3195	3205	3238	3262	3272	3280	3267	3232
37.5	3182	3180	3194	3216	3268	3315	3338	3345	3341	3306
40.0	3177	3177	3195	3229	3304	3375	3412	3431	3430	3390
42.5	3173	3173	3197	3245	3345	3445	3499	3522	3526	3485
45.0	3162	3165	3196	3260	3389	3526	3604	3625	3640	3587
47.5	3142	3146	3187	3272	3431	3612	3716	3743	3762	3703
50.0	3103	3106	3160	3272	3470	3696	3831	3866	3891	3821
52.5	3041	3044	3113	3257	3499	3775	3946	3987	4027	3948
55.0	2948	2952	3033	3221	3519	3846	4050	4101	4160	4088
57.5	2826	2826	2927	3164	3539	3914	4131	4187	4278	4248
60.0	2681	2696	2807	3089	3554	3971	4174	4227	4355	4418
62.5	2544	2562	2681	2999	3562	4029	4181	4214	4368	4592
65.0	2351	2371	2493	2855	3548	4142	4214	4210	4311	4734
67.5	2067	2071	2198	2579	3430	4353	4427	4344	4198	4805
70.0	1763	1765	1856	2159	3001	4523	4912	4741	4027	4673
72.5	1436	1437	1509	1671	2249	4334	5623	5497	3843	4202
75.0	880	864	958	1180	1510	3622	6027	6177	3576	3339
77.5	597	579	626	769	987	2558	5350	5665	2885	2298
80.0	301	307	342	493	655	1661	3321	3499	2380	1579
82.5	220	224	245	309	434	974	1465	1497	2277	863
85.0	155	159	173	212	295	525	632	699	1419	360
87.5	110	109	112	127	178	275	329	434	669	123
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	2818	2818	2818	2818	2818	2818	2818	2818	2818	2818
2.5	2836	2829	2834	2830	2822	2812	2814	2811	2798	2792
5.0	2843	2834	2837	2828	2816	2805	2803	2798	2782	2775
7.5	2849	2838	2840	2827	2811	2795	2790	2782	2765	2755
10.0	2856	2843	2843	2827	2807	2786	2778	2765	2743	2730
12.5	2866	2851	2849	2830	2804	2778	2763	2742	2714	2696
15.0	2880	2862	2858	2833	2803	2767	2741	2711	2672	2646
17.5	2897	2876	2871	2841	2802	2754	2714	2670	2618	2578
20.0	2918	2895	2886	2850	2802	2738	2679	2615	2550	2499
22.5	2944	2920	2907	2863	2802	2717	2636	2548	2470	2412
25.0	2976	2950	2932	2879	2802	2689	2584	2476	2386	2323
27.5	3016	2984	2962	2897	2799	2656	2525	2400	2297	2236

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CANDELA TABULATION - (Cont.)

30.0	3059	3022	2997	2918	2791	2614	2460	2323	2218	2155
32.5	3106	3064	3034	2936	2776	2565	2387	2248	2143	2081
35.0	3161	3112	3076	2954	2752	2508	2315	2174	2074	2010
37.5	3222	3166	3123	2970	2722	2447	2244	2107	2010	1946
40.0	3293	3228	3175	2986	2685	2380	2176	2046	1951	1889
42.5	3372	3296	3230	2996	2639	2312	2113	1988	1896	1834
45.0	3459	3371	3293	3001	2586	2246	2050	1932	1840	1774
47.5	3556	3451	3354	2996	2523	2173	1989	1873	1776	1706
50.0	3653	3539	3413	2972	2440	2088	1919	1805	1709	1651
52.5	3760	3629	3467	2920	2333	1985	1835	1721	1645	1602
55.0	3884	3721	3512	2841	2210	1865	1726	1636	1574	1532
57.5	4046	3833	3556	2751	2079	1728	1589	1541	1440	1318
60.0	4252	3987	3616	2659	1933	1567	1443	1378	1242	1124
62.5	4523	4202	3720	2553	1732	1417	1284	1143	1038	841
65.0	4839	4461	3848	2356	1532	1250	1044	937	780	616
67.5	5108	4671	3873	2088	1314	1034	811	756	576	430
70.0	5030	4462	3500	1752	1075	756	657	556	389	233
72.5	4281	3538	2714	1328	846	548	513	362	212	165
75.0	3684	3059	2016	918	569	399	352	212	125	101
77.5	3965	2954	1360	573	335	245	197	122	78	65
80.0	2979	1532	650	335	163	121	102	65	46	37
82.5	1006	474	331	167	73	57	49	28	9	1
85.0	272	185	148	54	24	16	4	1	0	0
87.5	83	61	32	8	2	2	1	1	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

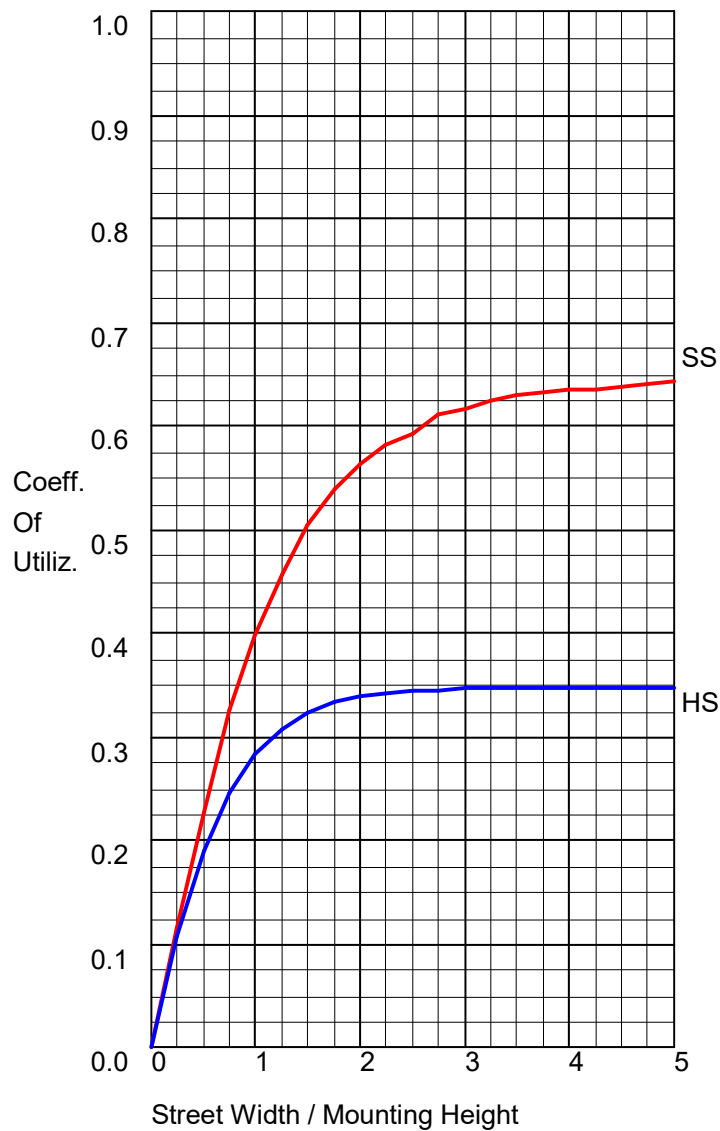
	<u>175.0</u>	<u>180.0</u>
0.0	2818	2818
2.5	2787	2801
5.0	2769	2782
7.5	2750	2761
10.0	2723	2734
12.5	2683	2696
15.0	2629	2641
17.5	2559	2569
20.0	2475	2483
22.5	2385	2391
25.0	2293	2298
27.5	2205	2208
30.0	2123	2127
32.5	2050	2054
35.0	1982	1987
37.5	1915	1923
40.0	1861	1860
42.5	1805	1803
45.0	1738	1739
47.5	1678	1680
50.0	1631	1633
52.5	1589	1591
55.0	1492	1490
57.5	1286	1293
60.0	1029	1034
62.5	736	715
65.0	584	574

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CANDELA TABULATION - (Cont.)

67.5	357	350
70.0	216	215
72.5	150	148
75.0	94	92
77.5	60	60
80.0	33	31
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

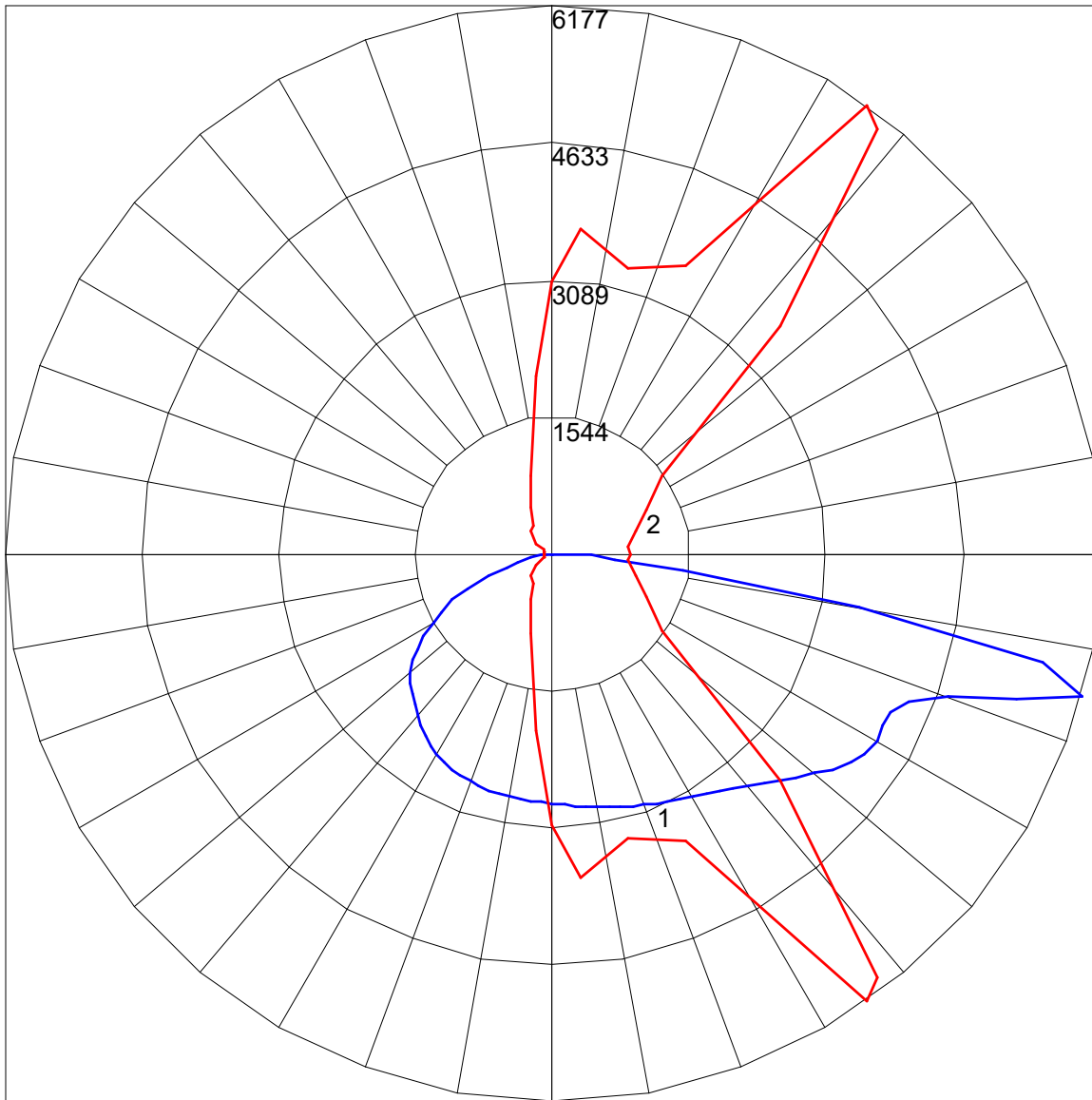
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

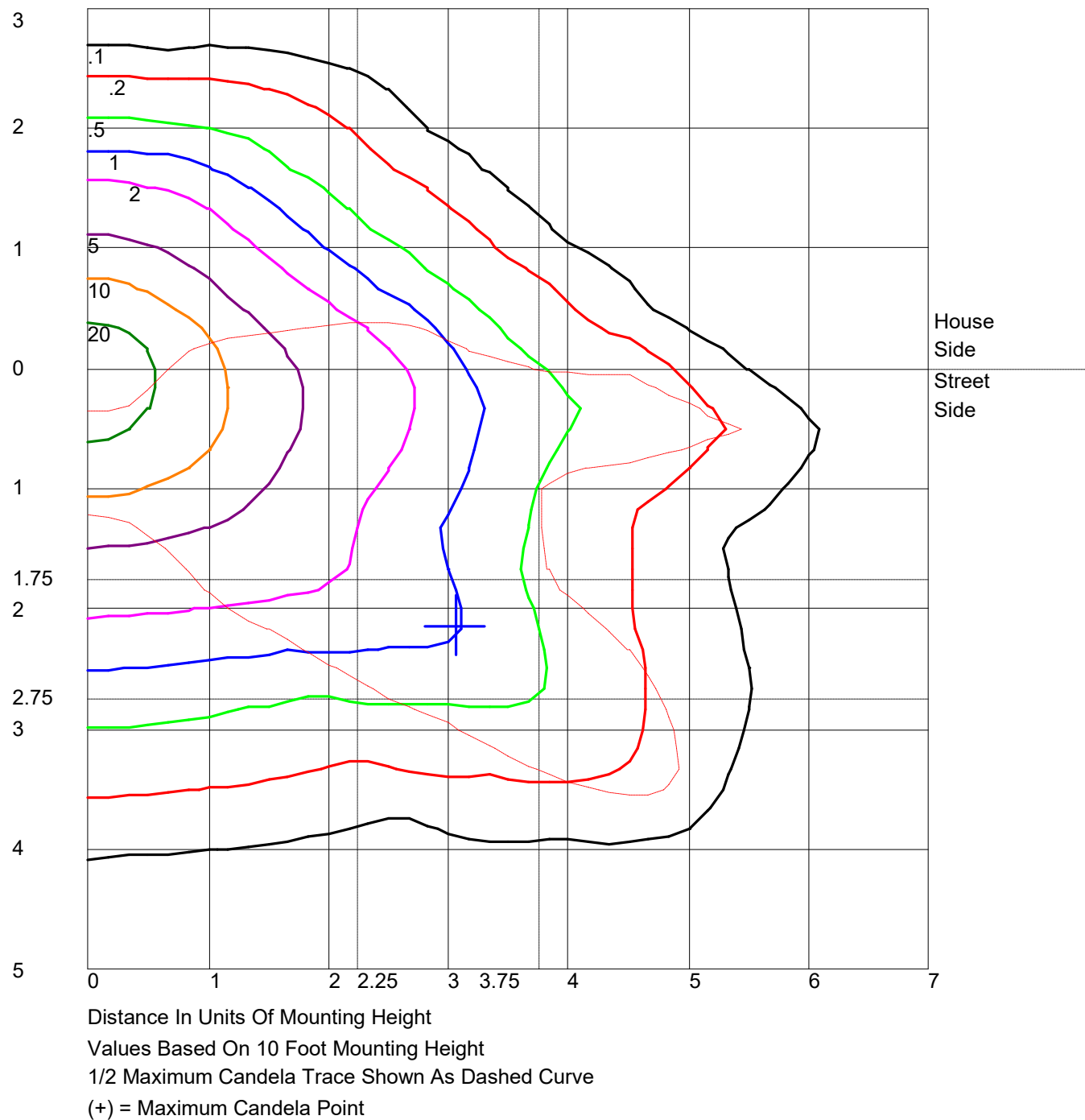
	Lumens	Percent Of Luminaire
Downward Street Side	8808.2	65.1
Downward House Side	4717.0	34.9
Downward Total	13525.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13525.2	100.0

POLAR GRAPH

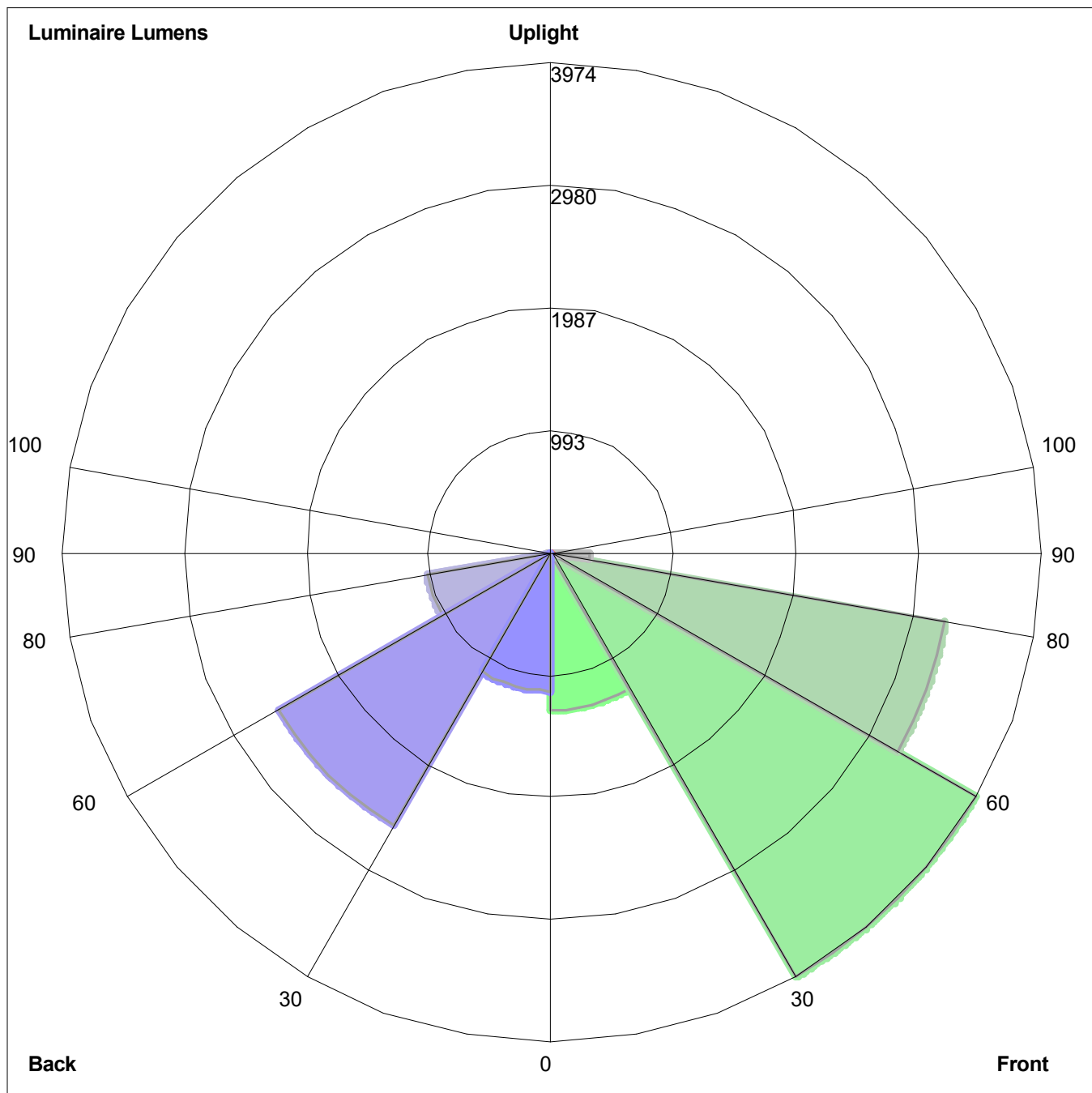


Maximum Candela = 6177 Located At Horizontal Angle = 55, Vertical Angle = 75
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1273.6, Medium=3973.9, High=3247.5, Very High=313.2
Back: Low= 1120.0, Medium=2546.8, High=1020.8, Very High=29.4
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3