



## IES ROAD REPORT

PHOTOMETRIC FILENAME : SLW-LED-14L-3-UNV-DIM-50.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-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 IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14296
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	104
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6529
Maximum Candela Angle	55H 75V
Maximum Candela (<90 Degrees Vertical)	6529
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	3698 (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)	1346.3	N.A.	9.4
FM - Front-Medium (30-60)	4200.4	N.A.	29.4
FH - Front-High (60-80)	3432.6	N.A.	24.0
FVH - Front-Very High (80-90)	331.1	N.A.	2.3
BL - Back-Low (0-30)	1183.9	N.A.	8.3
BM - Back-Medium (30-60)	2692.0	N.A.	18.8
BH - Back-High (60-80)	1079.0	N.A.	7.5
BVH - Back-Very High (80-90)	31.0	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	14296.3	N.A.	100.0
BUG Rating	B3-U0-G3		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0.0</b></u>	<u><b>5.0</b></u>	<u><b>15.0</b></u>	<u><b>25.0</b></u>	<u><b>35.0</b></u>	<u><b>45.0</b></u>	<u><b>52.5</b></u>	<u><b>55.0</b></u>	<u><b>65.0</b></u>	<u><b>75.0</b></u>
<b>0.0</b>	2979	2979	2979	2979	2979	2979	2979	2979	2979	2979
<b>2.5</b>	2993	2992	2997	2994	3001	3000	2995	3000	2998	2999
<b>5.0</b>	3030	3025	3030	3025	3030	3025	3016	3021	3015	3010
<b>7.5</b>	3068	3062	3066	3058	3060	3051	3040	3043	3033	3021
<b>10.0</b>	3108	3102	3105	3094	3093	3079	3066	3068	3050	3035
<b>12.5</b>	3150	3144	3146	3131	3127	3112	3093	3096	3072	3050
<b>15.0</b>	3191	3187	3185	3169	3162	3144	3123	3124	3096	3070
<b>17.5</b>	3231	3227	3223	3205	3198	3176	3154	3154	3124	3093
<b>20.0</b>	3270	3267	3261	3241	3232	3210	3187	3187	3155	3121
<b>22.5</b>	3308	3305	3299	3278	3267	3245	3222	3224	3191	3154
<b>25.0</b>	3341	3338	3331	3312	3301	3281	3262	3263	3231	3193
<b>27.5</b>	3365	3362	3356	3340	3333	3319	3304	3306	3276	3237
<b>30.0</b>	3379	3376	3372	3362	3366	3359	3350	3354	3328	3288
<b>32.5</b>	3379	3376	3378	3377	3394	3402	3400	3407	3386	3346
<b>35.0</b>	3371	3370	3377	3388	3422	3448	3458	3467	3453	3417
<b>37.5</b>	3364	3361	3376	3399	3455	3504	3528	3535	3531	3495
<b>40.0</b>	3358	3358	3377	3413	3493	3568	3606	3626	3626	3583
<b>42.5</b>	3354	3354	3379	3429	3536	3642	3698	3722	3727	3684
<b>45.0</b>	3343	3346	3379	3446	3582	3727	3809	3832	3848	3792
<b>47.5</b>	3321	3325	3369	3458	3626	3818	3927	3956	3976	3914
<b>50.0</b>	3280	3283	3341	3458	3668	3907	4050	4086	4113	4038
<b>52.5</b>	3215	3217	3290	3442	3698	3990	4171	4215	4256	4173
<b>55.0</b>	3116	3121	3206	3405	3720	4066	4281	4335	4397	4321
<b>57.5</b>	2987	2987	3094	3344	3740	4137	4367	4426	4522	4490
<b>60.0</b>	2834	2849	2967	3265	3757	4197	4412	4468	4604	4670
<b>62.5</b>	2689	2708	2834	3170	3765	4258	4419	4455	4617	4854
<b>65.0</b>	2485	2506	2635	3018	3750	4378	4455	4450	4556	5004
<b>67.5</b>	2185	2189	2323	2726	3626	4601	4680	4591	4437	5079
<b>70.0</b>	1863	1866	1962	2282	3172	4781	5192	5011	4256	4939
<b>72.5</b>	1518	1519	1595	1767	2377	4581	5943	5811	4062	4441
<b>75.0</b>	931	913	1013	1247	1596	3829	6370	6529	3780	3530
<b>77.5</b>	631	612	661	812	1043	2704	5655	5988	3050	2429
<b>80.0</b>	318	325	362	522	692	1755	3510	3698	2516	1669
<b>82.5</b>	232	236	259	327	459	1029	1549	1583	2407	913
<b>85.0</b>	164	168	183	224	312	555	668	739	1499	380
<b>87.5</b>	116	115	118	135	188	291	347	459	707	130
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>85.0</b></u>	<u><b>90.0</b></u>	<u><b>95.0</b></u>	<u><b>105.0</b></u>	<u><b>115.0</b></u>	<u><b>125.0</b></u>	<u><b>135.0</b></u>	<u><b>145.0</b></u>	<u><b>155.0</b></u>	<u><b>165.0</b></u>
<b>0.0</b>	2979	2979	2979	2979	2979	2979	2979	2979	2979	2979
<b>2.5</b>	2998	2990	2996	2992	2982	2972	2975	2972	2957	2952
<b>5.0</b>	3005	2995	2999	2990	2977	2965	2962	2957	2941	2933
<b>7.5</b>	3011	3000	3002	2988	2971	2954	2949	2941	2922	2912
<b>10.0</b>	3019	3005	3005	2988	2967	2945	2936	2922	2899	2886
<b>12.5</b>	3030	3014	3012	2991	2964	2936	2920	2899	2869	2849
<b>15.0</b>	3044	3025	3021	2995	2962	2925	2897	2866	2825	2797
<b>17.5</b>	3062	3040	3035	3002	2962	2911	2869	2823	2767	2725
<b>20.0</b>	3085	3060	3050	3013	2962	2894	2832	2764	2696	2641
<b>22.5</b>	3112	3086	3073	3026	2962	2872	2786	2693	2611	2550
<b>25.0</b>	3146	3118	3099	3043	2962	2843	2732	2617	2522	2456
<b>27.5</b>	3188	3154	3131	3063	2958	2807	2669	2537	2428	2363

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**CANDELA TABULATION - (Cont.)**

30.0	3233	3194	3168	3084	2950	2763	2601	2455	2344	2278
32.5	3283	3238	3207	3103	2934	2711	2523	2376	2265	2199
35.0	3341	3289	3251	3122	2909	2651	2447	2298	2192	2125
37.5	3406	3346	3301	3139	2877	2586	2372	2227	2124	2057
40.0	3481	3412	3356	3156	2838	2516	2300	2163	2062	1997
42.5	3564	3484	3414	3167	2789	2444	2234	2101	2005	1939
45.0	3656	3563	3481	3172	2734	2374	2167	2042	1945	1875
47.5	3759	3648	3545	3167	2667	2297	2102	1980	1877	1803
50.0	3861	3740	3607	3141	2579	2207	2029	1908	1807	1745
52.5	3974	3836	3665	3086	2466	2098	1939	1819	1739	1694
55.0	4106	3933	3712	3003	2336	1972	1825	1729	1664	1620
57.5	4276	4052	3759	2908	2198	1827	1679	1629	1522	1393
60.0	4495	4215	3822	2810	2043	1656	1525	1456	1313	1189
62.5	4781	4441	3932	2698	1831	1497	1357	1208	1097	889
65.0	5114	4715	4068	2490	1619	1321	1104	991	825	651
67.5	5399	4937	4094	2207	1388	1093	857	799	609	454
70.0	5317	4717	3700	1852	1136	800	694	587	411	246
72.5	4525	3740	2869	1404	894	579	542	383	224	174
75.0	3894	3234	2131	971	602	422	372	224	132	107
77.5	4191	3123	1437	605	354	259	208	129	82	69
80.0	3149	1620	687	355	173	128	108	69	49	39
82.5	1063	501	350	177	77	60	52	29	9	1
85.0	287	196	156	57	25	16	4	1	0	0
87.5	88	64	34	9	2	2	1	1	0	0
90.0	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**  
**Angles**

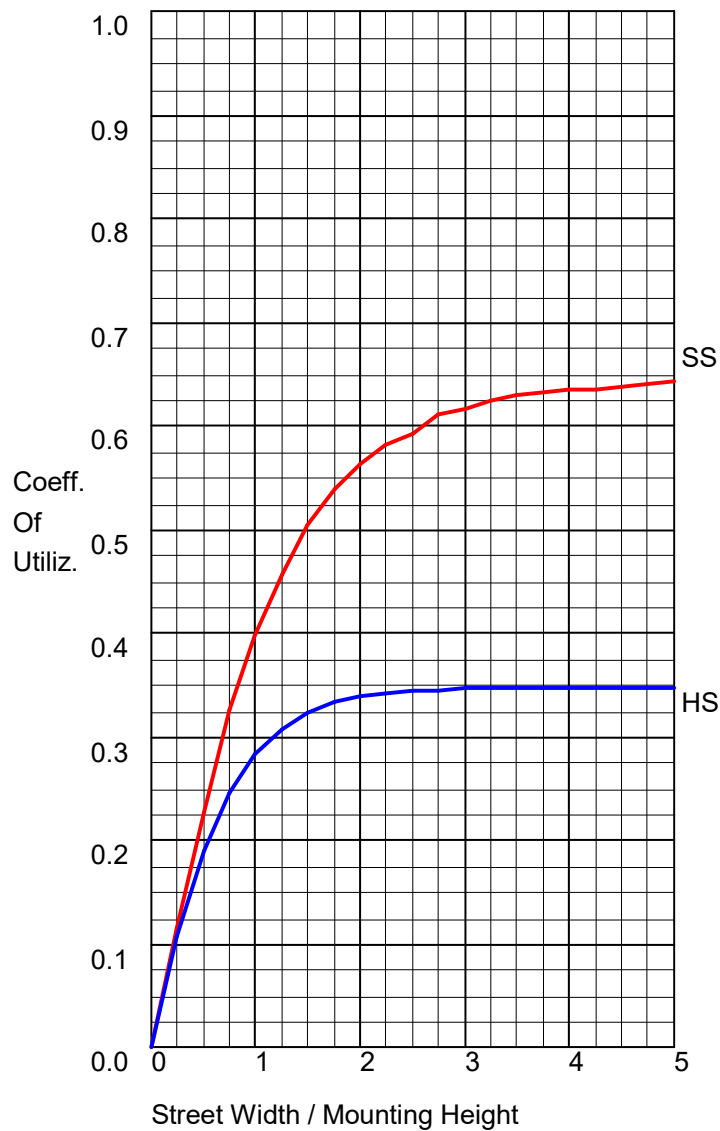
	<b><u>175.0</u></b>	<b><u>180.0</u></b>
0.0	2979	2979
2.5	2946	2960
5.0	2927	2941
7.5	2906	2918
10.0	2879	2890
12.5	2836	2849
15.0	2779	2792
17.5	2705	2715
20.0	2616	2625
22.5	2521	2528
25.0	2424	2429
27.5	2330	2334
30.0	2245	2248
32.5	2166	2171
35.0	2095	2100
37.5	2025	2032
40.0	1967	1967
42.5	1908	1906
45.0	1838	1838
47.5	1774	1776
50.0	1724	1726
52.5	1679	1681
55.0	1577	1575
57.5	1359	1366
60.0	1088	1093
62.5	778	756
65.0	618	607

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**CANDELA TABULATION - (Cont.)**

<b>67.5</b>	377	370
<b>70.0</b>	228	227
<b>72.5</b>	158	156
<b>75.0</b>	99	97
<b>77.5</b>	63	63
<b>80.0</b>	34	33
<b>82.5</b>	0	0
<b>85.0</b>	0	0
<b>87.5</b>	0	0
<b>90.0</b>	0	0

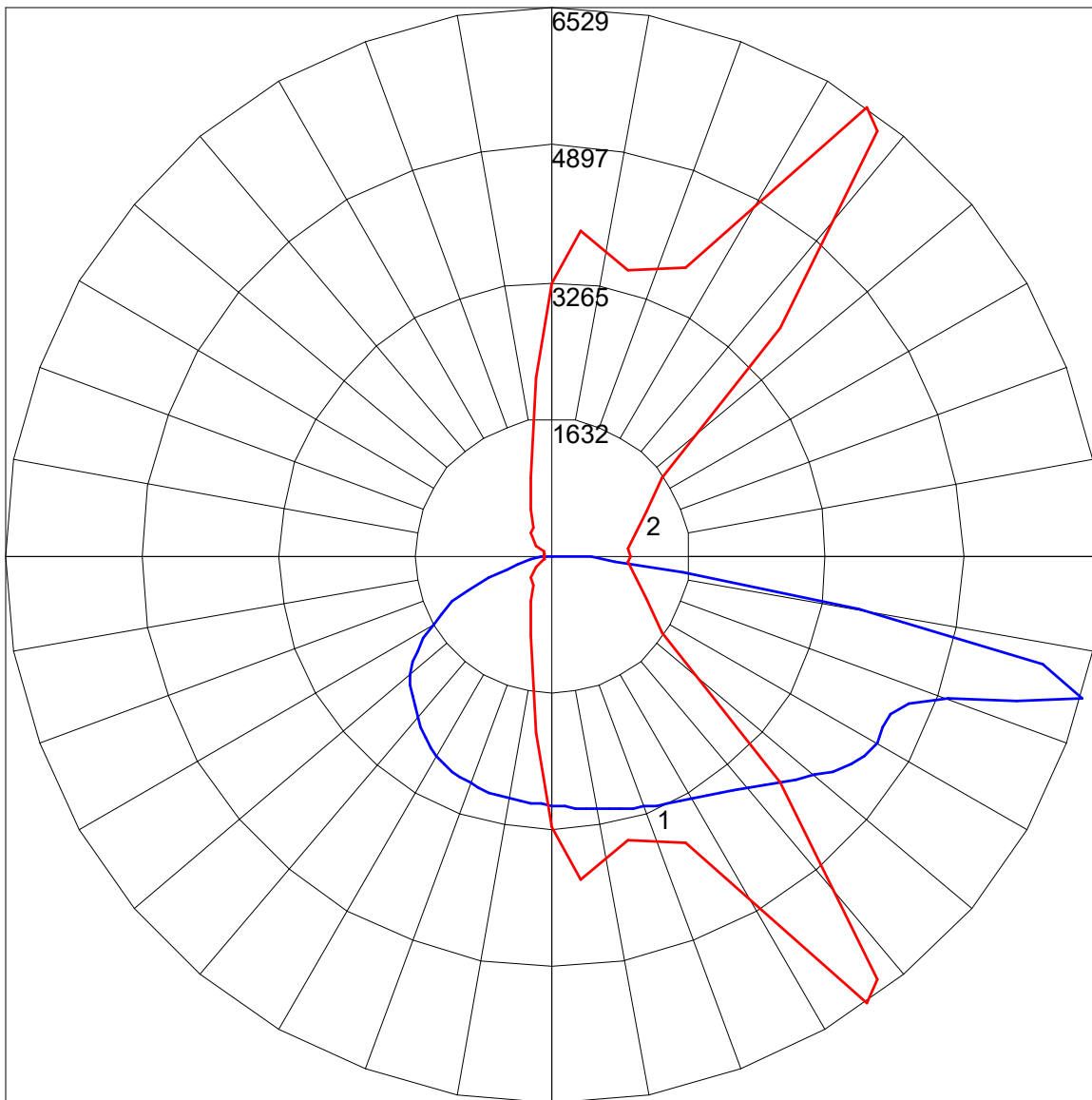
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

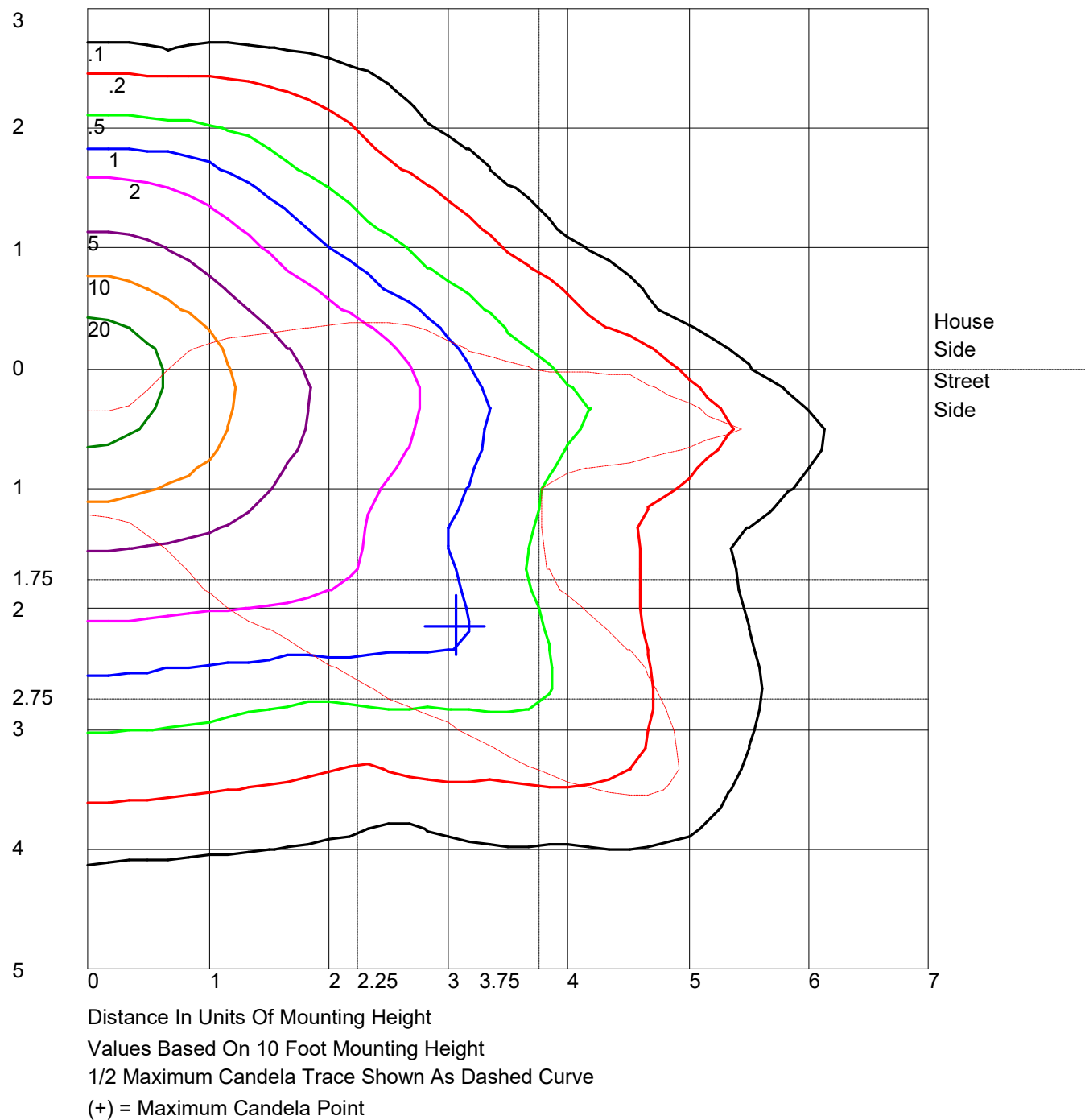
	Lumens	Percent Of Luminaire
Downward Street Side	9310.3	65.1
Downward House Side	4985.9	34.9
Downward Total	14296.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	14296.2	100.0

POLAR GRAPH



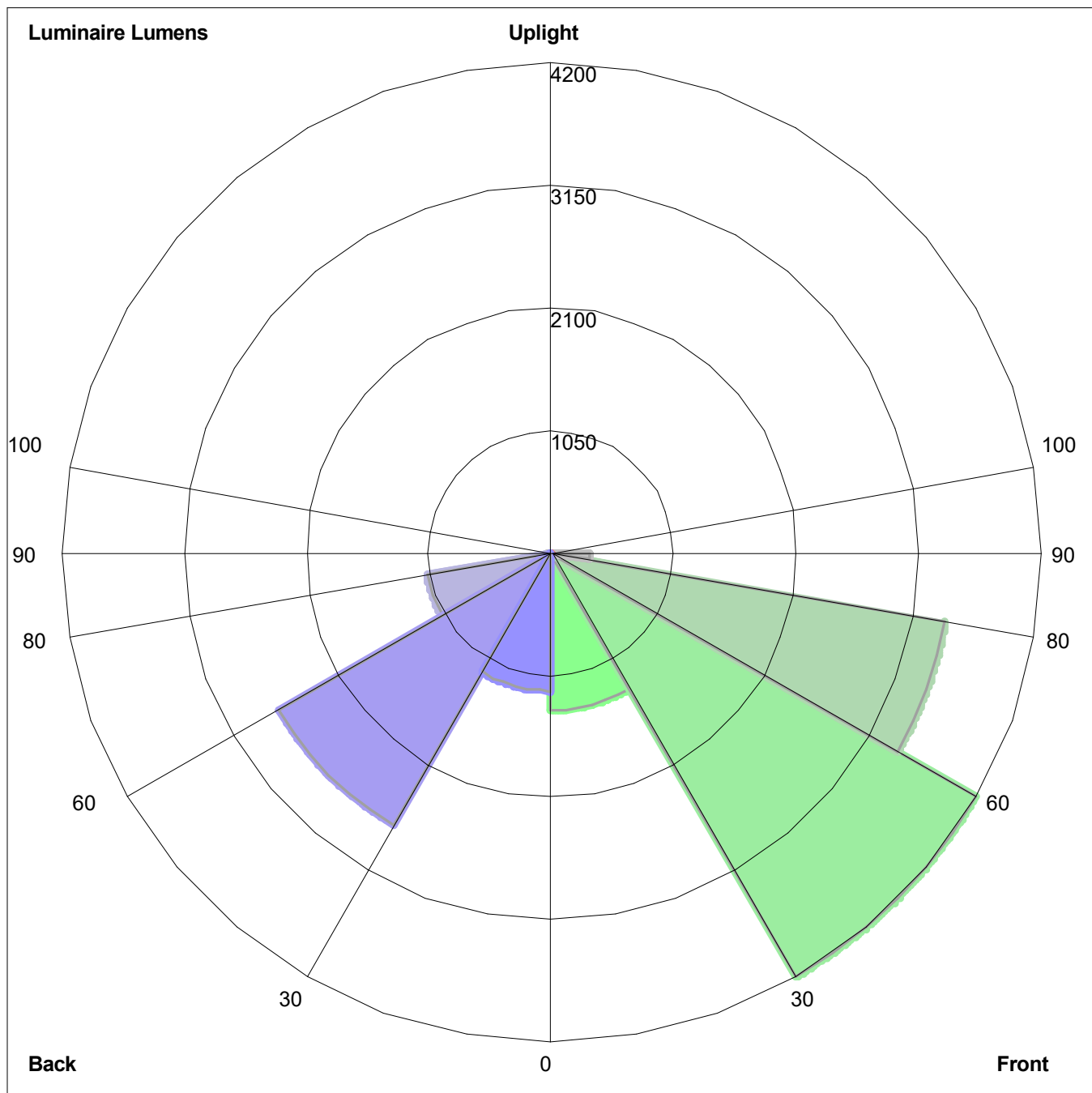
Maximum Candela = 6529 Located At Horizontal Angle = 55, Vertical Angle = 75  
# 1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1346.3, Medium=4200.4, High=3432.6, Very High=331.1  
Back: Low=1183.9, Medium= 2692.0, High= 1079.0, Very High=31.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3