



IES ROAD REPORT

PHOTOMETRIC FILENAME : SLW-LED-14L-FT-UNV-DIM-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11776

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/7/2020

[TEST DATE] 04/28/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SLW-LED-14L-FT-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	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13438
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	104
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5943
Maximum Candela Angle	37.5H 70V
Maximum Candela (<90 Degrees Vertical)	5943
Maximum Candela Angle (<90 Degrees Vertical)	37.5H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1280 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : SLW-LED-14L-FT-UNV-DIM-30.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1251.0	N.A.	9.3
FM - Front-Medium (30-60)	4256.3	N.A.	31.7
FH - Front-High (60-80)	3396.0	N.A.	25.3
FVH - Front-Very High (80-90)	121.2	N.A.	0.9
BL - Back-Low (0-30)	1083.6	N.A.	8.1
BM - Back-Medium (30-60)	2387.5	N.A.	17.8
BH - Back-High (60-80)	898.8	N.A.	6.7
BVH - Back-Very High (80-90)	43.3	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	13437.7	N.A.	100.0
BUG Rating	B3-U0-G2		

IES ROAD REPORT
PHOTOMETRIC FILENAME : SLW-LED-14L-FT-UNV-DIM-30.IES

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>37.5</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	2672	2672	2672	2672	2672	2672	2672	2672	2672	2672
2.5	2662	2664	2668	2673	2683	2681	2690	2709	2713	2719
5.0	2699	2701	2706	2708	2716	2713	2721	2734	2735	2735
7.5	2737	2739	2744	2744	2751	2747	2753	2764	2760	2755
10.0	2777	2777	2782	2782	2788	2786	2789	2796	2790	2782
12.5	2821	2820	2822	2822	2830	2825	2830	2834	2826	2811
15.0	2862	2861	2864	2865	2874	2869	2873	2875	2865	2847
17.5	2905	2904	2908	2911	2922	2918	2923	2929	2911	2888
20.0	2947	2946	2953	2960	2975	2973	2980	2988	2968	2937
22.5	2987	2986	2997	3012	3036	3034	3050	3055	3032	2993
25.0	3023	3025	3040	3066	3101	3103	3124	3133	3106	3061
27.5	3054	3057	3080	3120	3175	3177	3208	3219	3188	3132
30.0	3079	3084	3119	3176	3251	3257	3298	3313	3273	3206
32.5	3097	3103	3152	3234	3331	3346	3394	3412	3362	3280
35.0	3108	3116	3179	3291	3416	3438	3499	3518	3455	3354
37.5	3118	3129	3208	3349	3509	3539	3615	3632	3551	3432
40.0	3127	3140	3238	3411	3617	3657	3741	3753	3648	3502
42.5	3133	3148	3267	3478	3723	3772	3878	3877	3747	3566
45.0	3120	3140	3284	3537	3833	3892	4014	4008	3837	3627
47.5	3100	3122	3293	3591	3946	4016	4159	4148	3935	3688
50.0	3111	3132	3317	3652	4065	4149	4313	4293	4039	3753
52.5	3166	3185	3371	3732	4198	4295	4483	4446	4157	3835
55.0	3267	3283	3465	3841	4347	4443	4640	4588	4279	3931
57.5	3418	3429	3598	3978	4484	4583	4763	4691	4366	4035
60.0	3610	3619	3774	4119	4595	4683	4845	4736	4370	4094
62.5	3821	3829	3955	4264	4702	4787	4940	4768	4256	3989
65.0	4019	4018	4111	4431	4910	5019	5200	4895	4050	3626
67.5	3856	3905	4161	4660	5386	5522	5655	5138	3894	3048
70.0	2926	3028	3642	4781	5871	5943	5733	4925	3662	2826
72.5	2153	2206	2779	4108	5310	5249	4519	3997	3028	2634
75.0	1663	1687	2064	2851	3657	3694	3385	3011	1783	1493
77.5	584	609	872	1507	2291	2336	2453	1942	910	612
80.0	221	226	294	548	992	1057	1280	1240	555	277
82.5	129	127	161	283	487	535	693	803	249	144
85.0	58	63	81	119	201	227	321	407	91	77
87.5	9	9	16	26	43	51	79	85	25	29
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	2672	2672	2672	2672	2672	2672	2672	2672	2672	2672
2.5	2715	2710	2716	2704	2695	2682	2662	2651	2632	2630
5.0	2727	2719	2722	2705	2691	2671	2646	2632	2610	2605
7.5	2742	2731	2732	2709	2689	2664	2633	2613	2588	2581
10.0	2763	2749	2746	2717	2690	2658	2622	2596	2567	2554
12.5	2788	2771	2766	2730	2695	2655	2612	2580	2543	2526
15.0	2818	2798	2790	2747	2705	2657	2604	2561	2514	2491
17.5	2853	2831	2818	2769	2720	2661	2595	2539	2479	2445
20.0	2895	2868	2853	2795	2737	2665	2584	2510	2433	2388
22.5	2945	2913	2893	2826	2755	2668	2566	2473	2375	2310
25.0	3000	2963	2937	2859	2773	2666	2542	2422	2302	2224
27.5	3060	3016	2988	2892	2787	2659	2504	2358	2219	2128

IES ROAD REPORT
PHOTOMETRIC FILENAME : SLW-LED-14L-FT-UNV-DIM-30.IES

CANDELA TABULATION - (Cont.)

30.0	3122	3071	3035	2925	2798	2641	2453	2280	2126	2028
32.5	3185	3128	3083	2956	2803	2611	2386	2183	2023	1931
35.0	3244	3180	3131	2985	2801	2567	2304	2082	1926	1840
37.5	3301	3233	3177	3011	2792	2514	2212	1982	1834	1762
40.0	3353	3280	3220	3034	2775	2451	2111	1886	1758	1688
42.5	3397	3319	3253	3048	2751	2381	2016	1805	1690	1620
45.0	3436	3353	3278	3051	2716	2300	1925	1730	1622	1522
47.5	3477	3385	3302	3043	2670	2215	1837	1658	1520	1367
50.0	3520	3421	3324	3024	2606	2113	1750	1570	1372	1170
52.5	3569	3460	3350	2981	2510	1994	1657	1451	1184	1006
55.0	3637	3510	3371	2909	2383	1851	1542	1297	1021	929
57.5	3731	3581	3389	2809	2232	1687	1401	1128	912	840
60.0	3825	3652	3398	2697	2062	1503	1227	979	811	710
62.5	3831	3670	3382	2576	1851	1312	1038	845	668	539
65.0	3599	3522	3288	2419	1606	1137	880	690	490	451
67.5	2979	3065	2993	2138	1347	966	743	499	409	389
70.0	2489	2454	2423	1745	1109	778	538	392	345	323
72.5	2491	2172	1860	1261	877	584	400	316	283	257
75.0	2277	2053	1482	848	622	379	303	243	218	206
77.5	1469	1528	1097	556	369	249	219	174	153	149
80.0	607	716	613	338	185	157	136	118	114	117
82.5	228	310	339	207	110	85	83	81	80	83
85.0	99	144	169	100	52	47	50	49	49	49
87.5	32	46	55	23	16	16	16	14	9	3
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

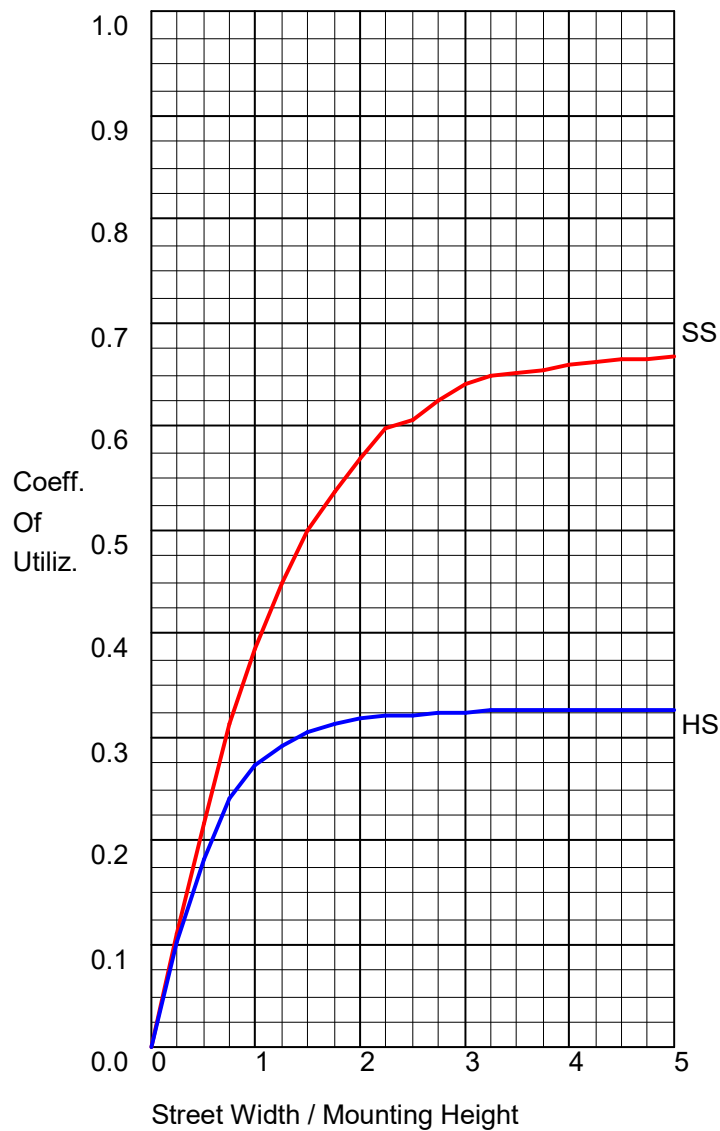
	<u>175.0</u>	<u>180.0</u>
0.0	2672	2672
2.5	2619	2623
5.0	2593	2597
7.5	2567	2570
10.0	2541	2543
12.5	2508	2511
15.0	2468	2470
17.5	2418	2418
20.0	2353	2345
22.5	2266	2261
25.0	2172	2165
27.5	2071	2064
30.0	1970	1963
32.5	1875	1868
35.0	1789	1783
37.5	1716	1711
40.0	1650	1645
42.5	1572	1566
45.0	1443	1441
47.5	1260	1237
50.0	1062	1054
52.5	960	958
55.0	901	898
57.5	774	768
60.0	679	676
62.5	529	528
65.0	447	445

IES ROAD REPORT
PHOTOMETRIC FILENAME : SLW-LED-14L-FT-UNV-DIM-30.IES

CANDELA TABULATION - (Cont.)

67.5	380	373
70.0	314	308
72.5	248	246
75.0	202	201
77.5	151	152
80.0	119	121
82.5	85	86
85.0	52	54
87.5	0	0
90.0	0	0

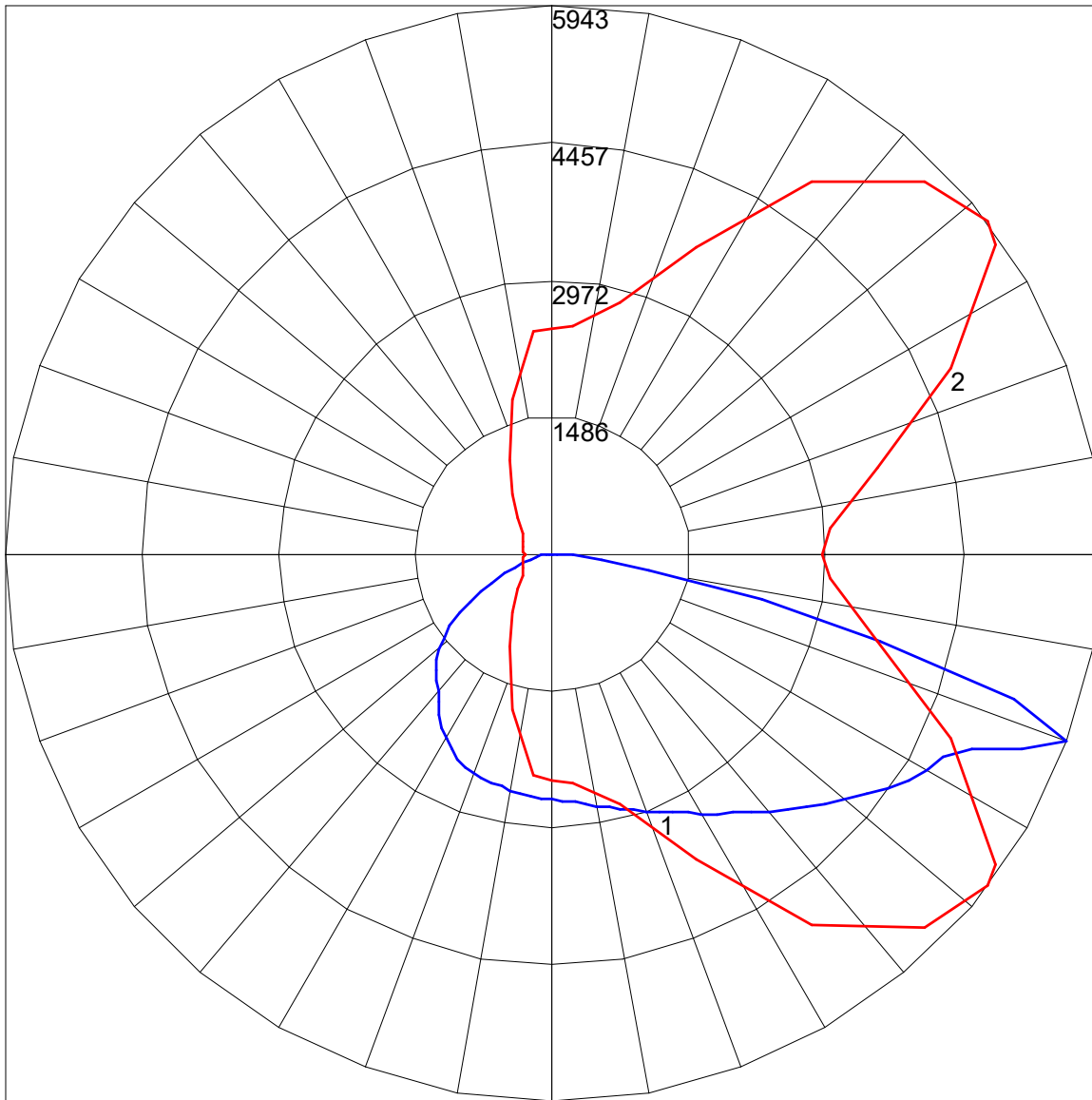
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

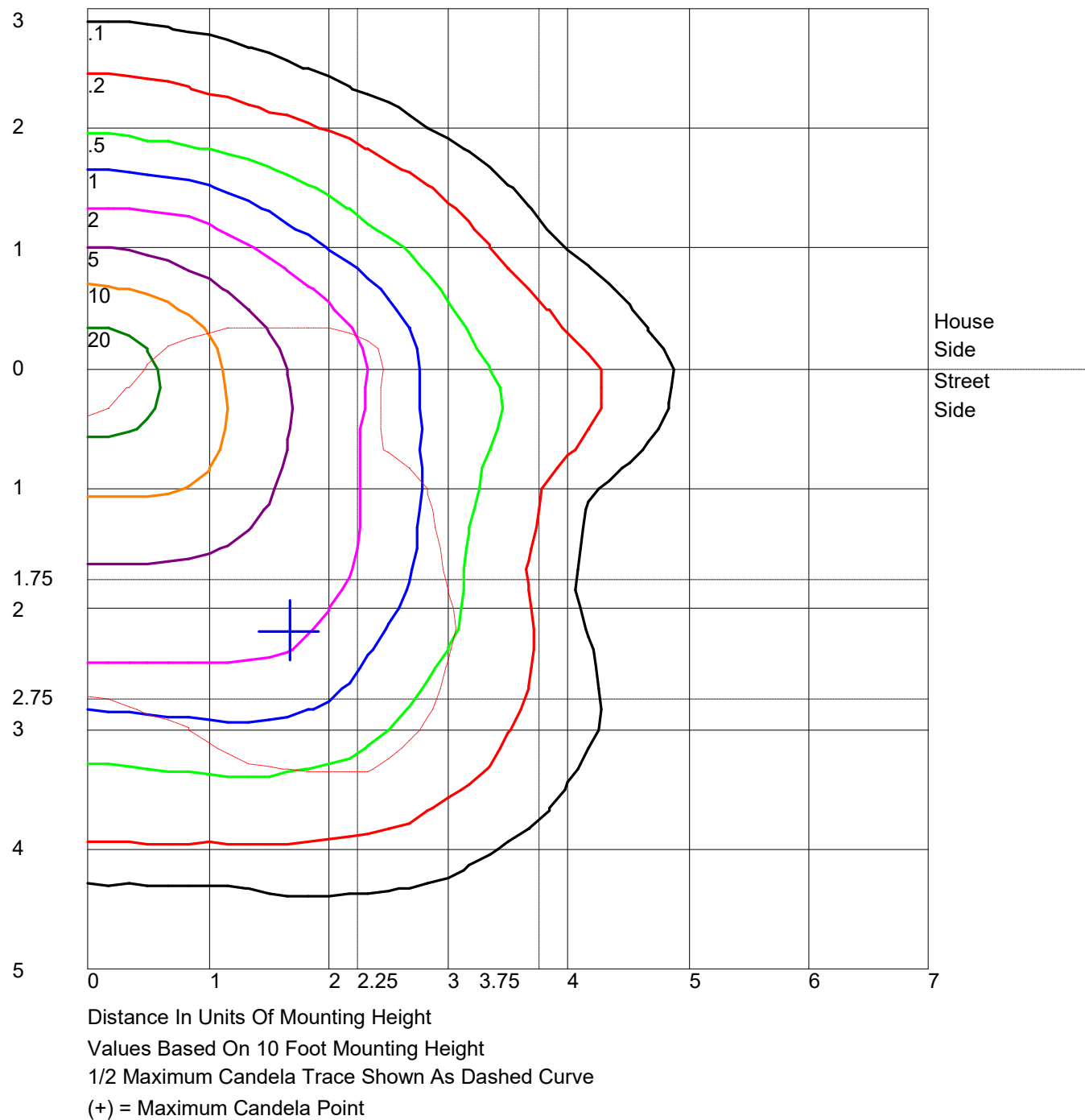
	Lumens	Percent Of Luminaire
Downward Street Side	9024.5	67.2
Downward House Side	4413.2	32.8
Downward Total	13437.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13437.7	100.0

POLAR GRAPH

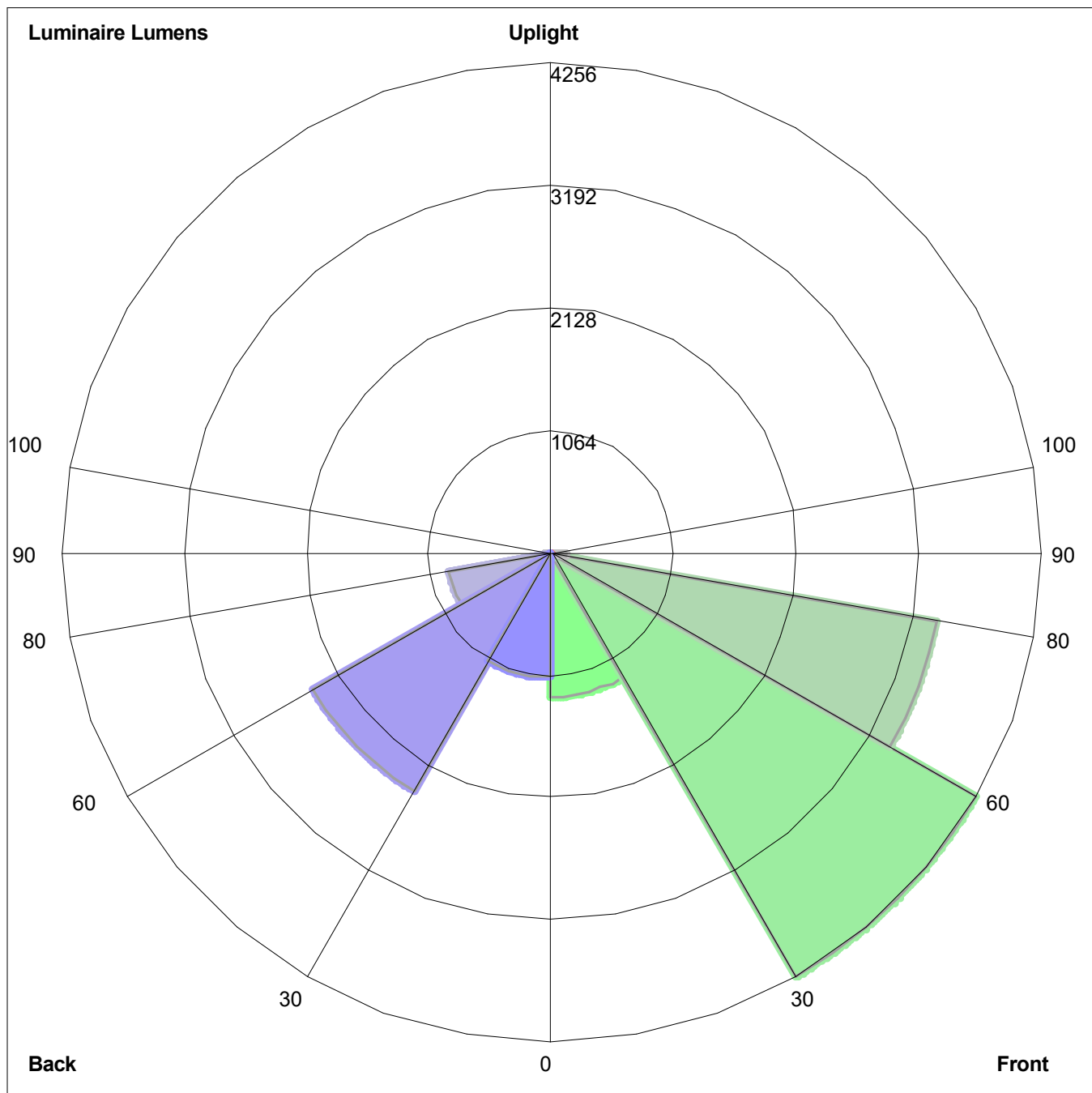


Maximum Candela = 5943 Located At Horizontal Angle = 37.5, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (37.5 - 217.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1251.0, Medium=4256.3, High= 3396.0, Very High=121.2
Back: Low=1083.6, Medium=2387.5, High=898.8, Very High=43.3
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2