



## IES ROAD REPORT

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

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11553

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/7/2020

[TEST DATE] 01/30/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SLW-LED-14L-FT-UNV-DIM-40

[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	13848
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	104
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5760
Maximum Candela Angle	40H 72.5V
Maximum Candela (<90 Degrees Vertical)	5760
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	2765 (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)	1303.5	N.A.	9.4
FM - Front-Medium (30-60)	4181.9	N.A.	30.2
FH - Front-High (60-80)	3713.2	N.A.	26.8
FVH - Front-Very High (80-90)	276.4	N.A.	2.0
BL - Back-Low (0-30)	1125.0	N.A.	8.1
BM - Back-Medium (30-60)	2360.2	N.A.	17.0
BH - Back-High (60-80)	848.9	N.A.	6.1
BVH - Back-Very High (80-90)	38.9	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	13848.0	N.A.	100.0
BUG Rating	B3-U0-G3		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>0</b>	<b>5</b>	<b>15</b>	<b>25</b>	<b>35</b>	<b>40</b>	<b>45</b>	<b>55</b>	<b>65</b>	<b>75</b>
<b>0.0</b>	2815	2815	2815	2815	2815	2815	2815	2815	2815	2815
<b>2.5</b>	2829	2820	2813	2818	2832	2828	2839	2835	2849	2851
<b>5.0</b>	2862	2853	2846	2851	2863	2858	2866	2860	2870	2867
<b>7.5</b>	2900	2891	2883	2886	2898	2892	2895	2887	2897	2890
<b>10.0</b>	2940	2930	2922	2926	2934	2929	2929	2920	2925	2914
<b>12.5</b>	2982	2975	2965	2966	2974	2971	2966	2955	2958	2943
<b>15.0</b>	3024	3017	3007	3012	3018	3013	3008	2995	2994	2975
<b>17.5</b>	3067	3061	3053	3057	3063	3058	3055	3040	3035	3011
<b>20.0</b>	3113	3106	3099	3104	3112	3107	3108	3089	3082	3054
<b>22.5</b>	3158	3153	3145	3154	3170	3166	3164	3144	3134	3103
<b>25.0</b>	3199	3195	3190	3206	3227	3226	3224	3205	3192	3156
<b>27.5</b>	3237	3231	3231	3257	3287	3289	3294	3272	3254	3213
<b>30.0</b>	3264	3260	3267	3304	3347	3354	3362	3339	3317	3269
<b>32.5</b>	3285	3280	3297	3348	3408	3420	3433	3410	3381	3323
<b>35.0</b>	3294	3290	3318	3390	3469	3488	3506	3488	3443	3374
<b>37.5</b>	3296	3292	3335	3429	3533	3560	3584	3564	3507	3425
<b>40.0</b>	3293	3291	3345	3465	3598	3636	3668	3644	3574	3474
<b>42.5</b>	3289	3288	3356	3503	3673	3719	3763	3729	3636	3518
<b>45.0</b>	3283	3285	3370	3550	3752	3815	3860	3816	3696	3559
<b>47.5</b>	3272	3276	3381	3601	3839	3913	3963	3906	3762	3599
<b>50.0</b>	3249	3257	3387	3651	3940	4025	4077	4004	3831	3638
<b>52.5</b>	3234	3245	3400	3706	4046	4146	4202	4113	3907	3686
<b>55.0</b>	3240	3255	3431	3774	4157	4277	4337	4234	4000	3746
<b>57.5</b>	3287	3298	3480	3852	4282	4414	4481	4364	4101	3831
<b>60.0</b>	3370	3380	3560	3955	4408	4535	4589	4446	4191	3932
<b>62.5</b>	3490	3494	3670	4066	4500	4611	4646	4451	4194	4014
<b>65.0</b>	3638	3644	3800	4163	4551	4639	4649	4377	4032	3942
<b>67.5</b>	3800	3800	3931	4263	4602	4697	4719	4356	3725	3493
<b>70.0</b>	3963	3959	4084	4419	4848	5057	5123	4558	3435	2699
<b>72.5</b>	3547	3529	3971	4703	5551	5760	5650	4737	3317	2687
<b>75.0</b>	2371	2470	3148	4561	5653	5446	4789	3915	2831	2475
<b>77.5</b>	2091	2122	2471	3314	4095	3820	3465	2753	1328	1257
<b>80.0</b>	1038	1114	1489	2290	2765	2722	2550	1601	633	521
<b>82.5</b>	347	356	491	907	1262	1356	1346	1046	357	257
<b>85.0</b>	190	193	257	448	660	707	754	654	174	123
<b>87.5</b>	90	93	118	179	272	296	329	297	71	50
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>85</b>	<b>90</b>	<b>95</b>	<b>105</b>	<b>115</b>	<b>125</b>	<b>135</b>	<b>145</b>	<b>155</b>	<b>165</b>
<b>0.0</b>	2815	2815	2815	2815	2815	2815	2815	2815	2815	2815
<b>2.5</b>	2850	2856	2845	2843	2830	2814	2805	2792	2778	2772
<b>5.0</b>	2860	2865	2851	2843	2826	2804	2791	2772	2755	2746
<b>7.5</b>	2876	2878	2862	2847	2823	2797	2776	2753	2731	2718
<b>10.0</b>	2897	2895	2876	2855	2823	2790	2762	2732	2705	2686
<b>12.5</b>	2924	2918	2895	2866	2827	2787	2749	2708	2670	2645
<b>15.0</b>	2952	2943	2917	2883	2835	2784	2732	2678	2630	2594
<b>17.5</b>	2985	2976	2944	2902	2846	2781	2714	2641	2578	2532
<b>20.0</b>	3024	3009	2976	2924	2856	2777	2691	2596	2515	2451
<b>22.5</b>	3064	3047	3011	2948	2865	2766	2656	2539	2438	2362
<b>25.0</b>	3109	3089	3049	2974	2871	2750	2612	2470	2352	2267
<b>27.5</b>	3156	3132	3087	2997	2875	2724	2558	2391	2259	2172

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**CANDELA TABULATION - (Cont.)**

30.0	3203	3173	3123	3016	2870	2689	2489	2301	2161	2074
32.5	3248	3211	3158	3032	2857	2641	2410	2205	2066	1980
35.0	3290	3248	3188	3042	2833	2580	2318	2106	1973	1892
37.5	3332	3284	3217	3050	2803	2509	2225	2012	1888	1813
40.0	3368	3316	3243	3053	2767	2434	2128	1922	1808	1731
42.5	3398	3345	3263	3049	2723	2351	2029	1839	1724	1622
45.0	3425	3369	3278	3037	2674	2265	1935	1758	1613	1465
47.5	3451	3388	3287	3012	2613	2170	1844	1653	1446	1260
50.0	3478	3401	3288	2973	2532	2066	1752	1521	1253	1084
52.5	3503	3410	3282	2909	2423	1943	1641	1359	1086	993
55.0	3534	3428	3267	2807	2284	1798	1503	1192	978	905
57.5	3590	3449	3242	2682	2106	1627	1336	1050	881	772
60.0	3668	3477	3207	2536	1922	1429	1160	920	753	612
62.5	3759	3519	3176	2401	1707	1242	991	783	547	487
65.0	3776	3522	3144	2234	1480	1080	832	572	440	414
67.5	3457	3331	3013	1985	1262	911	635	428	371	351
70.0	2626	2706	2612	1680	1057	734	461	349	309	288
72.5	2269	2072	1958	1313	859	515	355	280	239	225
75.0	2311	1862	1402	908	583	343	270	201	178	167
77.5	1930	1613	1055	570	299	223	181	143	134	134
80.0	1050	972	681	321	163	126	114	104	100	98
82.5	369	452	389	184	95	74	70	68	67	62
85.0	142	182	186	89	43	37	35	30	23	10
87.5	41	54	57	18	11	4	2	1	0	0
90.0	0	0	0	0	0	0	0	0	0	0

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

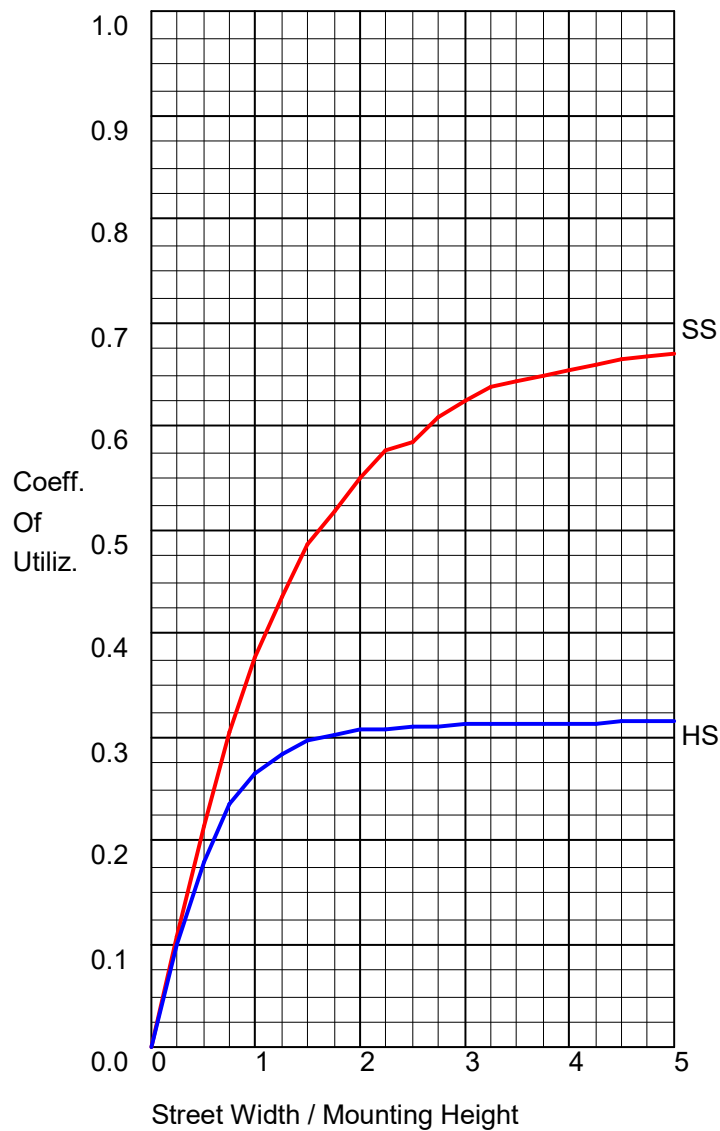
	<b>175</b>	<b>180</b>
0.0	2815	2815
2.5	2774	2786
5.0	2748	2760
7.5	2718	2730
10.0	2683	2694
12.5	2640	2650
15.0	2586	2595
17.5	2519	2527
20.0	2437	2444
22.5	2342	2348
25.0	2241	2246
27.5	2134	2143
30.0	2036	2043
32.5	1945	1952
35.0	1860	1866
37.5	1782	1779
40.0	1687	1685
42.5	1562	1556
45.0	1370	1357
47.5	1170	1161
50.0	1041	1039
52.5	969	970
55.0	846	851
57.5	740	745
60.0	566	561
62.5	468	468
65.0	403	403

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**CANDELA TABULATION - (Cont.)**

<b>67.5</b>	339	338
<b>70.0</b>	273	271
<b>72.5</b>	221	221
<b>75.0</b>	166	167
<b>77.5</b>	133	132
<b>80.0</b>	97	95
<b>82.5</b>	63	63
<b>85.0</b>	4	4
<b>87.5</b>	0	0
<b>90.0</b>	0	0

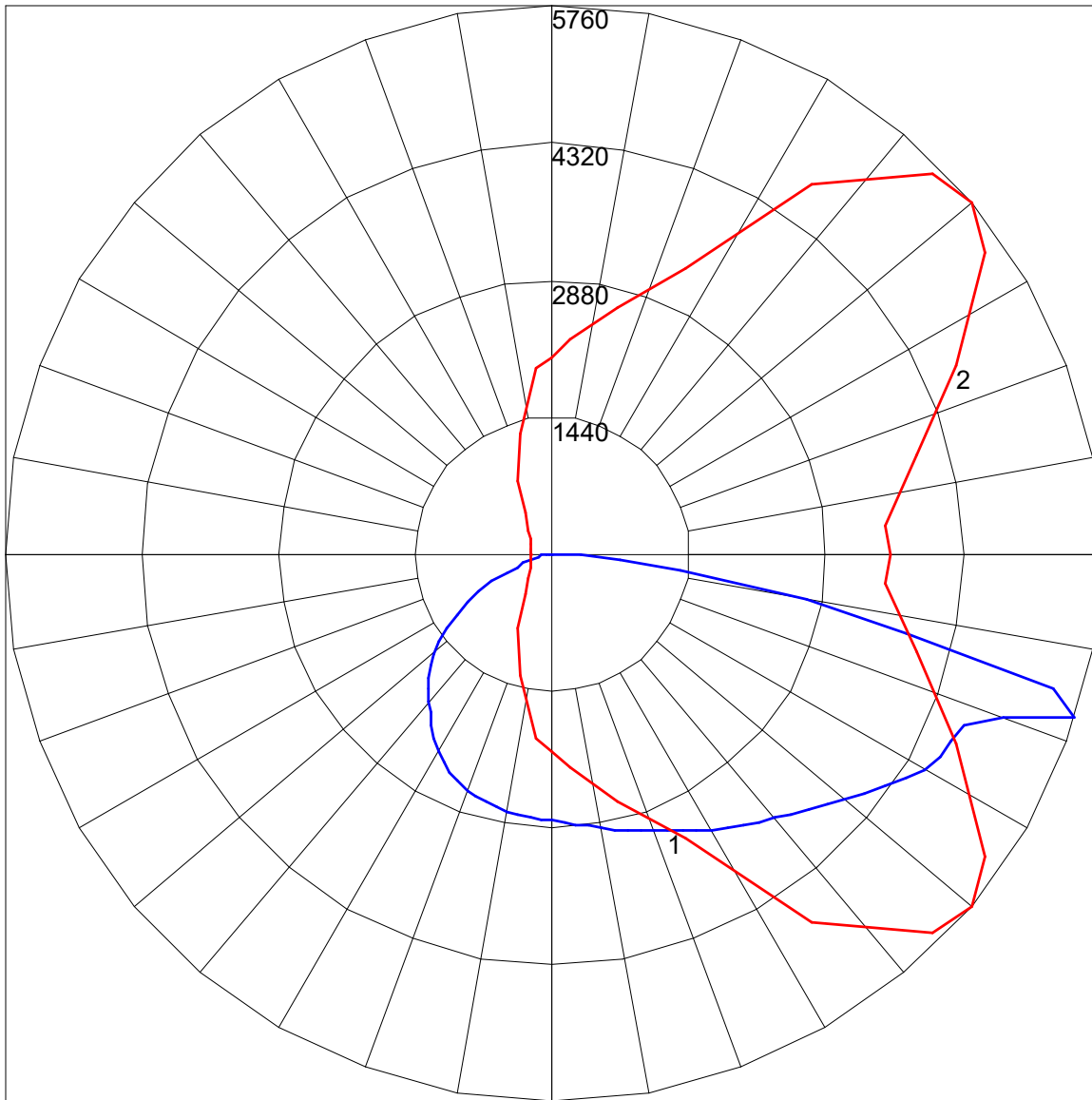
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

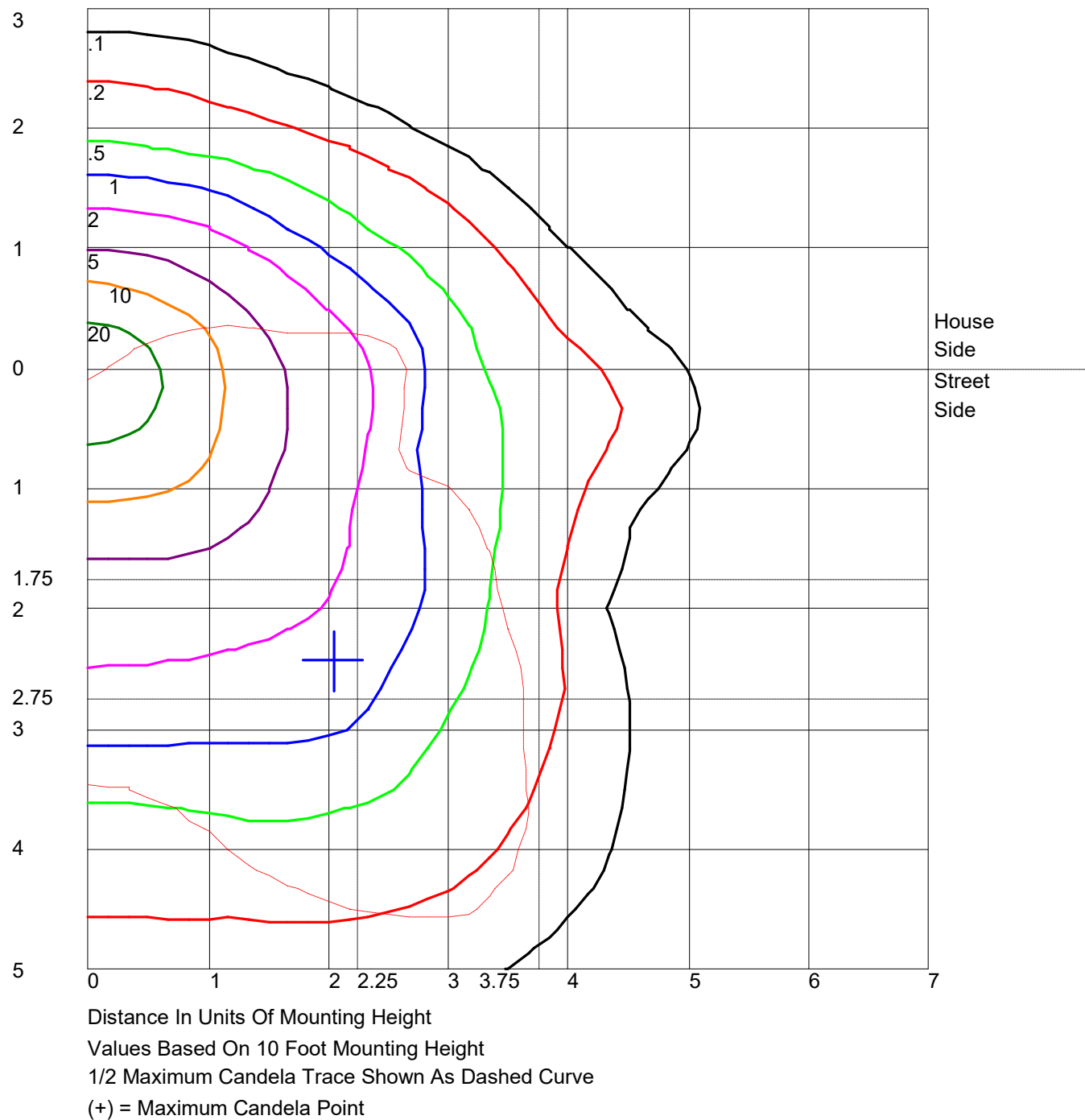
	Lumens	Percent Of Luminaire
Downward Street Side	9475.0	68.4
Downward House Side	4372.9	31.6
Downward Total	13847.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13847.9	100.0

POLAR GRAPH



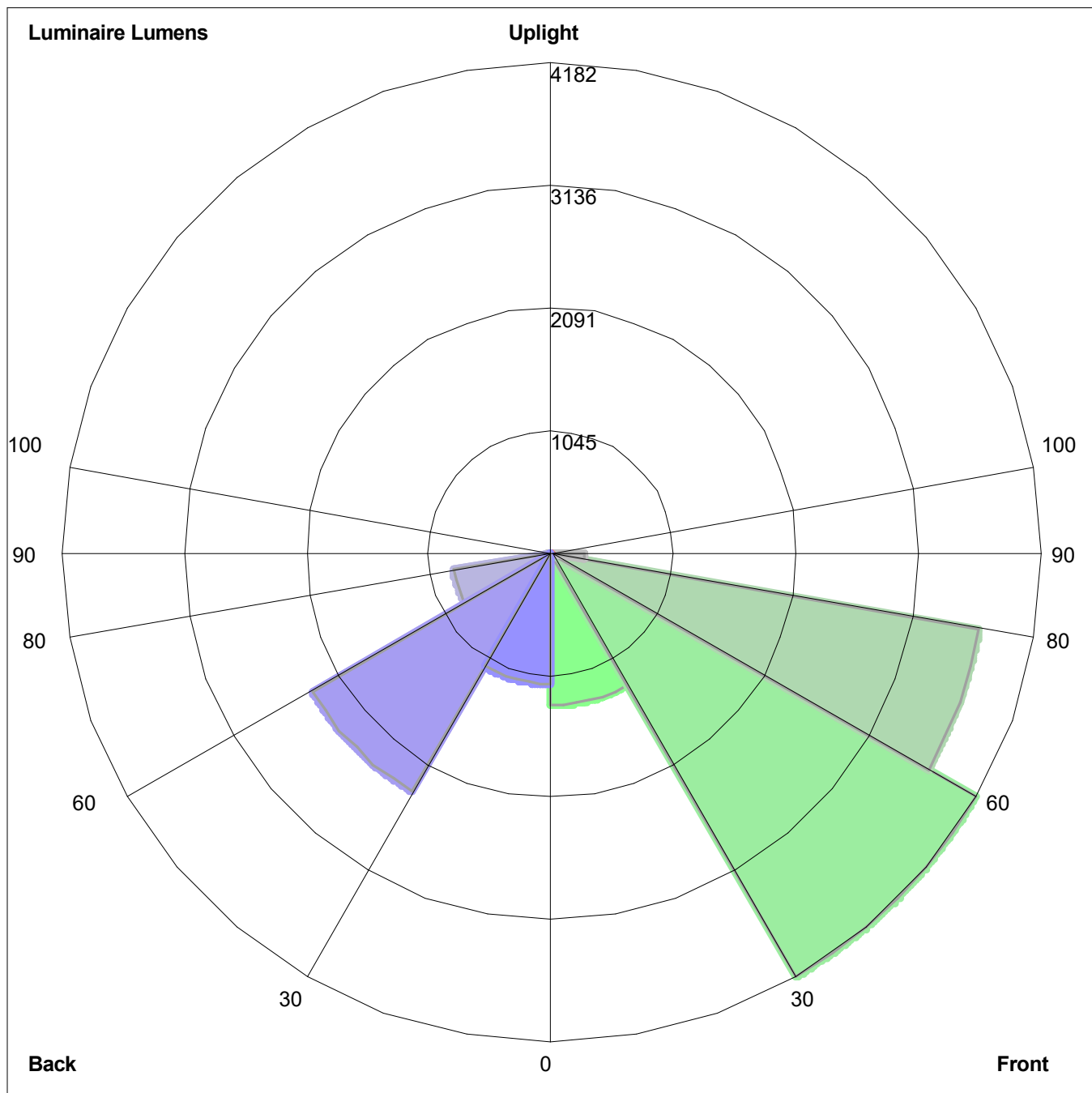
Maximum Candela = 5760 Located At Horizontal Angle = 40, Vertical Angle = 72.5  
# 1 - Vertical Plane Through Horizontal Angles (40 - 220) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1303.5, Medium=4181.9, High=3713.2, Very High=276.4  
Back: Low= 1125.0, Medium=2360.2, High=848.9, Very High=38.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3