



IES ROAD REPORT

PHOTOMETRIC FILENAME : SCM-LED-13L-SC-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11453

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 01/13/2020

[TEST DATE] 11/25/19

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SCM-LED-13L-SC-30

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11758
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	85.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4001
Maximum Candela Angle	85H 2.5V
Maximum Candela (<90 Degrees Vertical)	4001
Maximum Candela Angle (<90 Degrees Vertical)	85H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	243 (2.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1612.8	N.A.	13.7
FM - Front-Medium (30-60)	3280.0	N.A.	27.9
FH - Front-High (60-80)	933.7	N.A.	7.9
FVH - Front-Very High (80-90)	52.5	N.A.	0.4
BL - Back-Low (0-30)	1612.8	N.A.	13.7
BM - Back-Medium (30-60)	3280.0	N.A.	27.9
BH - Back-High (60-80)	933.7	N.A.	7.9
BVH - Back-Very High (80-90)	52.5	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	11758.0	N.A.	100.0
BUG Rating	B3-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	3961	3961	3961	3961	3961	3961	3961	3961	3961	3961
2.5	3913	3966	3956	3961	3951	3952	3971	3963	3956	4001
5.0	3945	3982	3966	3969	3981	3955	3963	3971	3978	3989
7.5	3946	3935	3956	3969	3969	3960	3959	3954	3982	3978
10.0	3917	3977	3971	3961	3934	3942	3933	3937	3972	3981
12.5	3906	3940	3925	3939	3930	3918	3930	3950	3953	3932
15.0	3910	3921	3930	3907	3924	3917	3915	3909	3918	3933
17.5	3871	3890	3880	3904	3889	3870	3879	3896	3882	3921
20.0	3874	3875	3879	3880	3856	3852	3853	3859	3877	3887
22.5	3830	3834	3815	3810	3810	3798	3813	3797	3831	3830
25.0	3764	3768	3765	3775	3766	3739	3774	3768	3770	3777
27.5	3704	3723	3731	3711	3729	3702	3707	3712	3711	3733
30.0	3639	3626	3635	3648	3620	3656	3631	3646	3654	3650
32.5	3530	3556	3583	3544	3575	3559	3536	3559	3551	3589
35.0	3456	3463	3445	3491	3479	3455	3464	3471	3469	3467
37.5	3347	3363	3368	3348	3362	3355	3340	3368	3352	3364
40.0	3247	3245	3260	3250	3261	3244	3255	3253	3237	3265
42.5	3097	3125	3121	3115	3123	3112	3103	3123	3139	3149
45.0	2981	2996	2990	2996	2994	2987	2986	2978	2984	2998
47.5	2835	2860	2856	2842	2857	2865	2840	2854	2842	2850
50.0	2713	2690	2689	2695	2679	2697	2699	2697	2689	2687
52.5	2525	2528	2536	2541	2535	2520	2521	2523	2518	2538
55.0	2353	2363	2359	2359	2347	2355	2337	2335	2337	2352
57.5	2130	2139	2174	2174	2178	2166	2150	2139	2125	2141
60.0	1916	1905	1928	1962	1949	1935	1921	1918	1863	1856
62.5	1595	1609	1637	1683	1705	1685	1666	1637	1592	1555
65.0	1305	1299	1339	1361	1409	1420	1378	1332	1283	1256
67.5	1047	1053	1051	1067	1103	1132	1100	1054	1029	1006
70.0	839	829	835	841	840	848	852	825	812	812
72.5	656	655	659	659	644	617	642	641	643	639
75.0	485	499	498	497	472	446	464	480	490	487
77.5	354	356	360	360	335	328	328	350	355	355
80.0	231	235	243	239	230	230	230	237	243	240
82.5	145	146	146	140	146	149	147	144	151	149
85.0	82	82	79	80	81	83	85	86	86	86
87.5	39	37	37	38	38	37	40	41	38	38
90.0	0	0	0	0	0	0	0	0	0	0

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

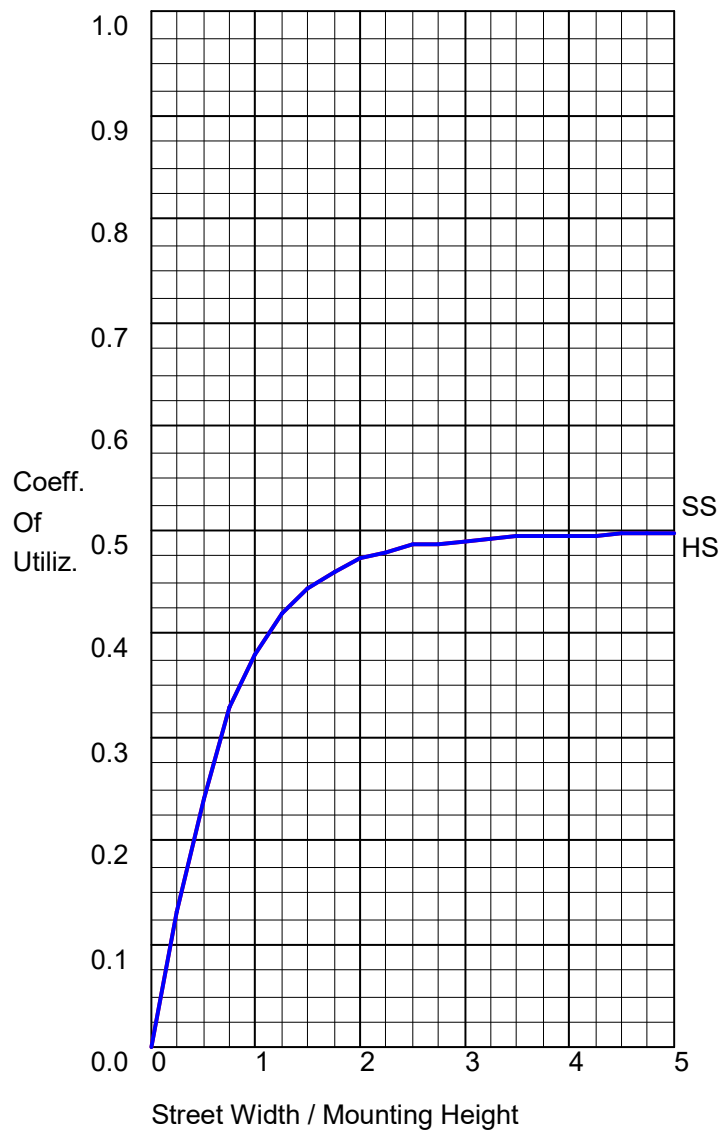
	<u>90</u>
0.0	3961
2.5	3976
5.0	3997
7.5	3968
10.0	3963
12.5	3971
15.0	3971
17.5	3901
20.0	3861
22.5	3857
25.0	3793
27.5	3729

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CANDELA TABULATION - (Cont.)

30.0	3663
32.5	3559
35.0	3502
37.5	3392
40.0	3278
42.5	3148
45.0	3003
47.5	2850
50.0	2697
52.5	2536
55.0	2363
57.5	2127
60.0	1875
62.5	1560
65.0	1251
67.5	1005
70.0	808
72.5	638
75.0	493
77.5	356
80.0	240
82.5	153
85.0	87
87.5	37
90.0	0

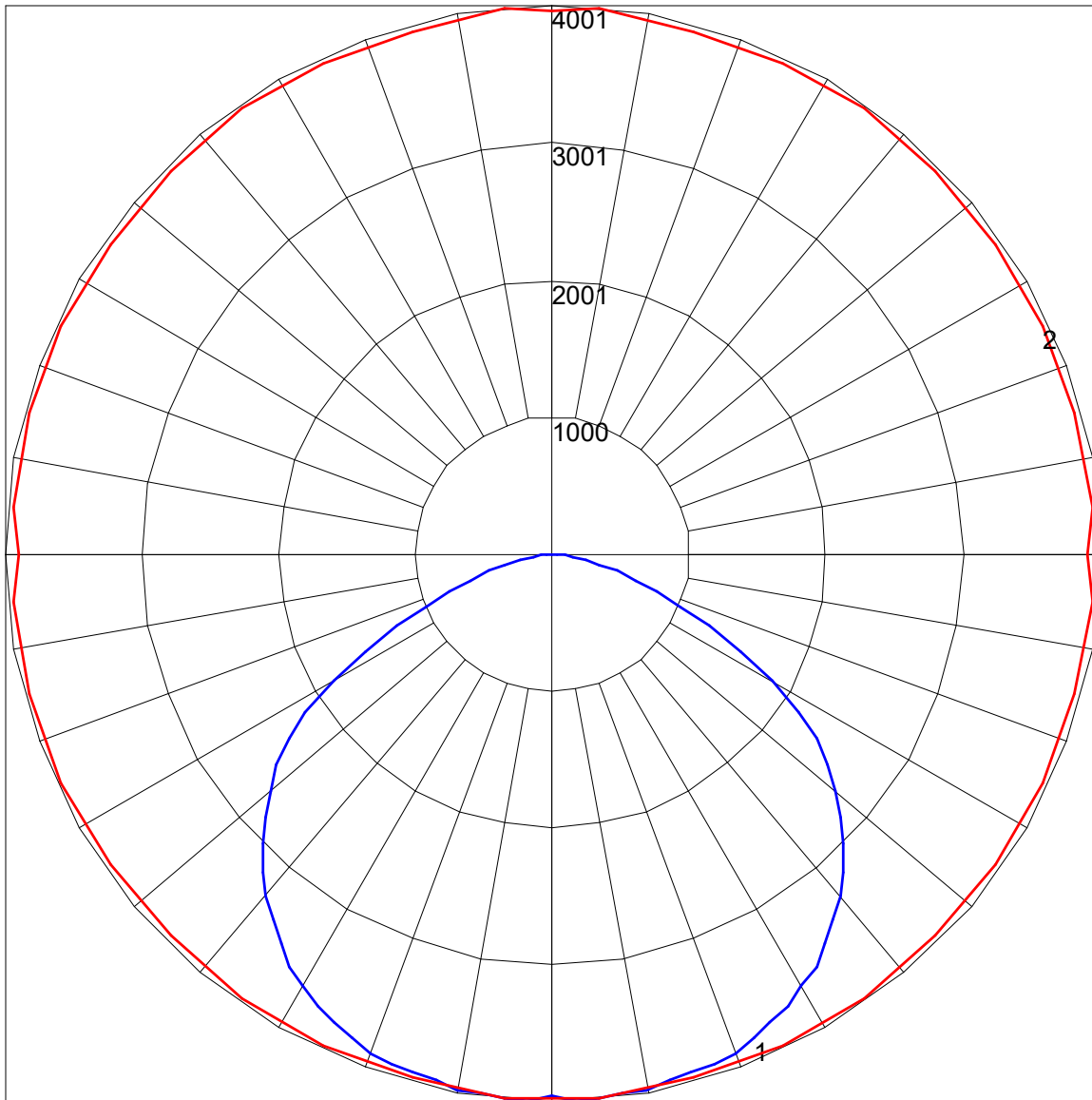
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

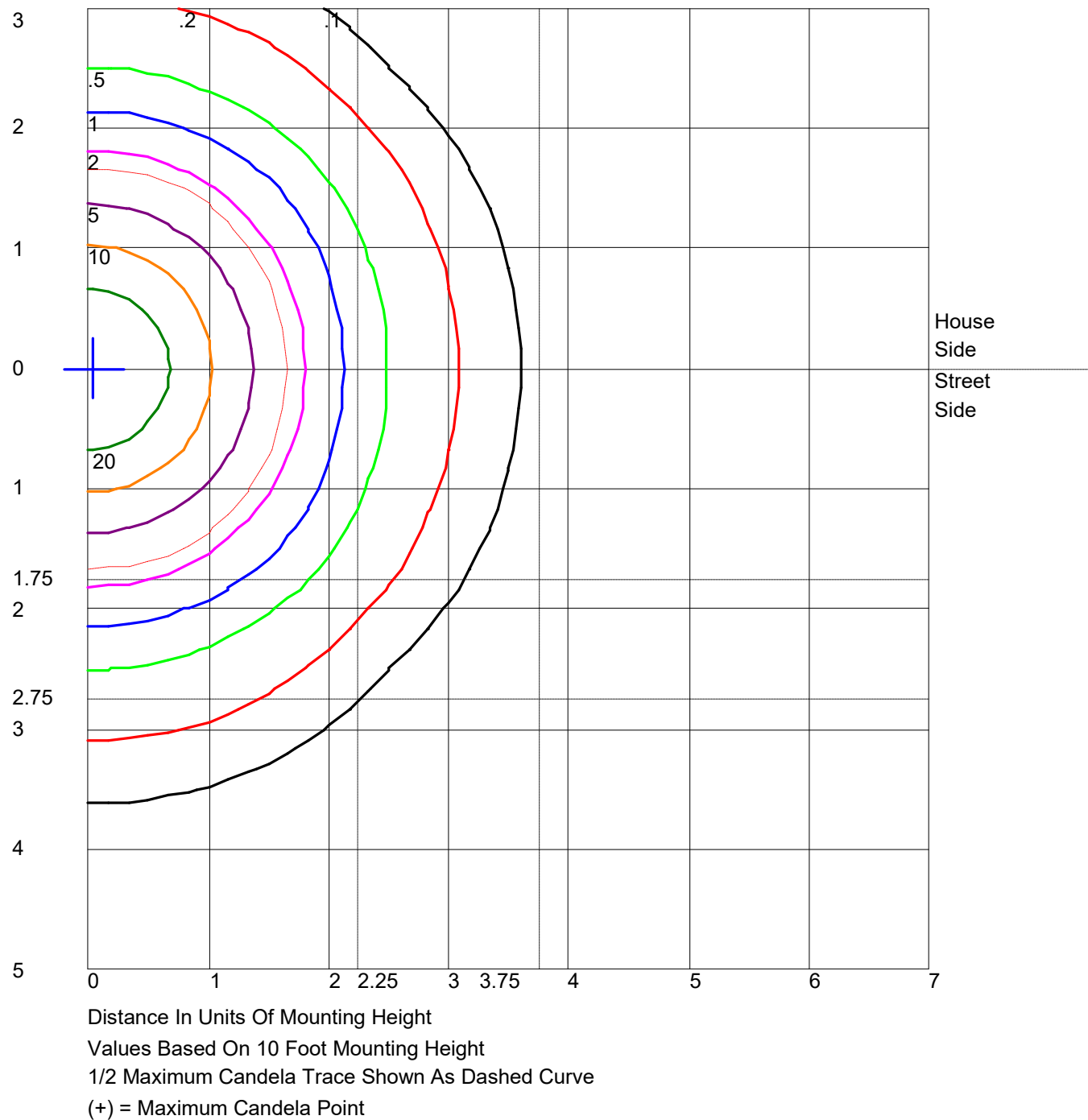
	Lumens	Percent Of Luminaire
Downward Street Side	5879.0	50.0
Downward House Side	5879.0	50.0
Downward Total	11758.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	11758.0	100.0

POLAR GRAPH

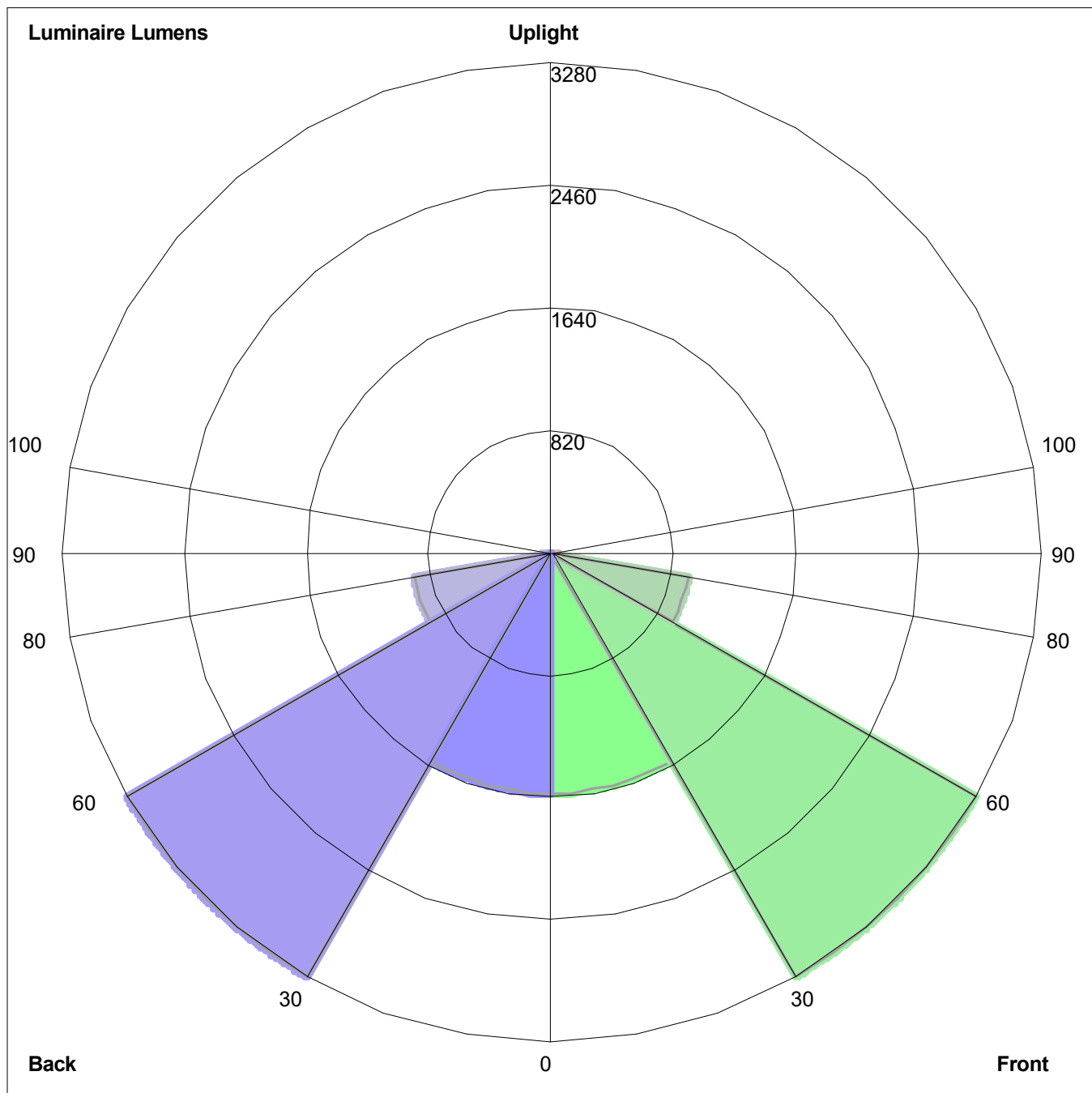


Maximum Candela = 4001 Located At Horizontal Angle = 85, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (85 - 265) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1612.8, Medium= 3280.0, High=933.7, Very High=52.5
Back: Low=1612.8, Medium= 3280.0, High=933.7, Very High=52.5
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1