



IES ROAD REPORT

PHOTOMETRIC FILENAME : HLN-5W-LED-32L-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-8552

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]02/08/17

[TEST DATE]02/08/17

[MANUFACTURER]LSI INDUSTRIES, INC

[LUMEN CATEGORY]HLN-5W-LED-32L-50

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

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

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	32768
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	310.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	14450
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	14450
Maximum Candela Angle (<90 Degrees Vertical)	45H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1788 (5.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : HLN-5W-LED-32L-50.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1790.6	N.A.	5.5
FM - Front-Medium (30-60)	6860.1	N.A.	20.9
FH - Front-High (60-80)	7577.2	N.A.	23.1
FVH - Front-Very High (80-90)	156.3	N.A.	0.5
BL - Back-Low (0-30)	1790.6	N.A.	5.5
BM - Back-Medium (30-60)	6860.1	N.A.	20.9
BH - Back-High (60-80)	7577.2	N.A.	23.1
BVH - Back-Very High (80-90)	156.3	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	32768.4	N.A.	100.0
BUG Rating	B5-U0-G4		

IES ROAD REPORT
PHOTOMETRIC FILENAME : HLN-5W-LED-32L-50.IES

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	3822	3822	3822	3822	3822	3822	3822	3822	3822	3822
2.5	3844	3814	3827	3828	3837	3829	3830	3827	3825	3828
5.0	3864	3834	3848	3850	3857	3849	3848	3845	3842	3844
7.5	3897	3869	3882	3884	3893	3883	3878	3872	3867	3869
10.0	3942	3919	3928	3933	3939	3928	3919	3913	3902	3904
12.5	4000	3981	3990	3995	4001	3986	3976	3964	3945	3947
15.0	4062	4047	4056	4066	4074	4057	4042	4024	4005	4005
17.5	4133	4119	4134	4147	4158	4144	4120	4096	4072	4069
20.0	4212	4202	4219	4239	4255	4241	4215	4183	4151	4145
22.5	4302	4299	4315	4347	4364	4353	4327	4283	4244	4231
25.0	4403	4407	4426	4466	4489	4479	4451	4403	4355	4333
27.5	4518	4533	4550	4597	4630	4621	4592	4543	4486	4451
30.0	4652	4665	4691	4743	4784	4784	4755	4692	4623	4576
32.5	4782	4795	4833	4898	4952	4965	4931	4851	4763	4709
35.0	4908	4927	4982	5058	5134	5161	5112	5017	4923	4861
37.5	5036	5060	5134	5228	5333	5370	5306	5194	5088	5014
40.0	5170	5199	5283	5405	5538	5594	5517	5384	5254	5164
42.5	5306	5341	5435	5601	5755	5825	5736	5576	5415	5313
45.0	5459	5500	5601	5796	5982	6064	5965	5780	5590	5481
47.5	5627	5675	5797	6008	6218	6324	6213	5988	5770	5649
50.0	5816	5869	6013	6238	6476	6605	6478	6217	5978	5833
52.5	6061	6116	6260	6498	6749	6894	6754	6477	6211	6054
55.0	6330	6396	6537	6798	7055	7200	7062	6773	6466	6282
57.5	6626	6721	6869	7139	7428	7563	7425	7104	6787	6589
60.0	7036	7124	7299	7585	7904	8073	7867	7534	7180	6981
62.5	7624	7689	7859	8164	8522	8729	8471	8143	7817	7605
65.0	8409	8487	8723	9111	9479	9719	9413	9018	8633	8376
67.5	8821	8925	9392	10146	11014	11327	10847	10167	9642	9284
70.0	8135	8228	8957	10433	12342	13293	12560	11229	9912	9083
72.5	5458	5753	6792	8917	12220	14450	12938	10035	7840	6703
75.0	1945	2029	3039	5050	8836	11913	9836	5809	3420	2494
77.5	593	600	803	1501	3719	6013	4119	1881	1040	844
80.0	328	328	397	641	1148	1788	1373	902	559	490
82.5	178	176	208	329	560	826	666	461	298	287
85.0	99	96	104	147	264	386	306	209	157	171
87.5	58	56	58	75	117	166	138	103	88	86
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

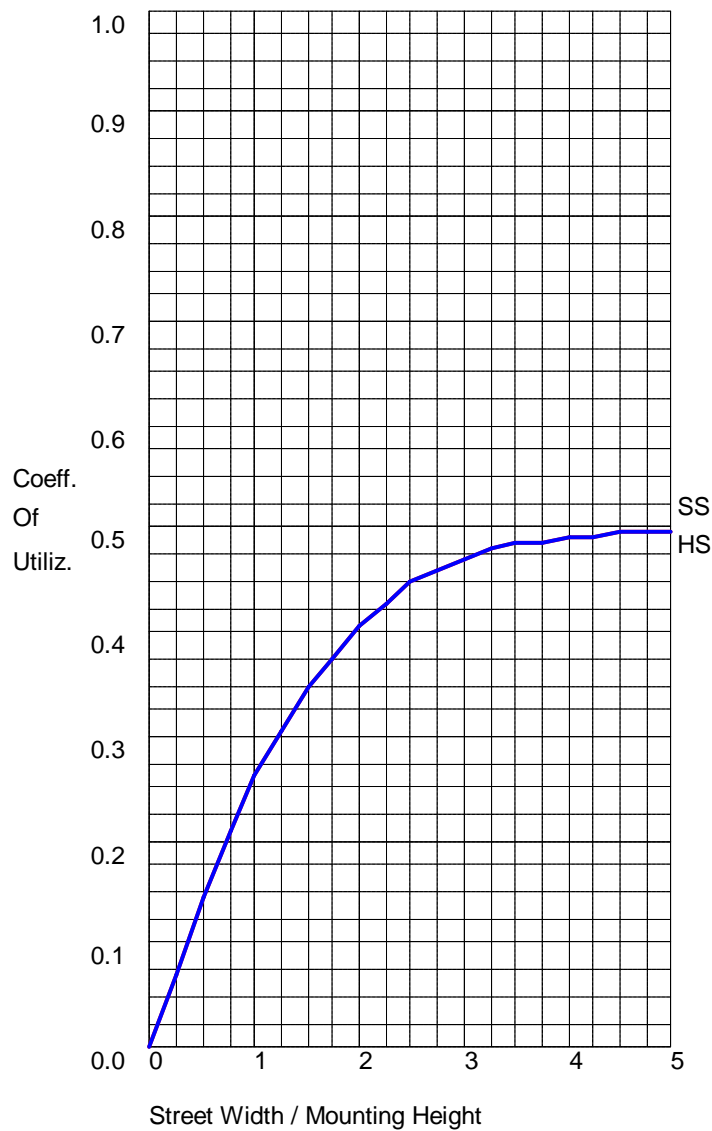
	<u>90</u>
0.0	3822
2.5	3830
5.0	3845
7.5	3870
10.0	3909
12.5	3953
15.0	4006
17.5	4071
20.0	4147
22.5	4233
25.0	4336
27.5	4452

IES ROAD REPORT
PHOTOMETRIC FILENAME : HLN-5W-LED-32L-50.IES

CANDELA TABULATION - (Cont.)

30.0	4575
32.5	4708
35.0	4854
37.5	5007
40.0	5158
42.5	5309
45.0	5471
47.5	5640
50.0	5822
52.5	6049
55.0	6271
57.5	6578
60.0	6958
62.5	7626
65.0	8363
67.5	9249
70.0	8986
72.5	6568
75.0	2384
77.5	825
80.0	492
82.5	273
85.0	163
87.5	84
90.0	0

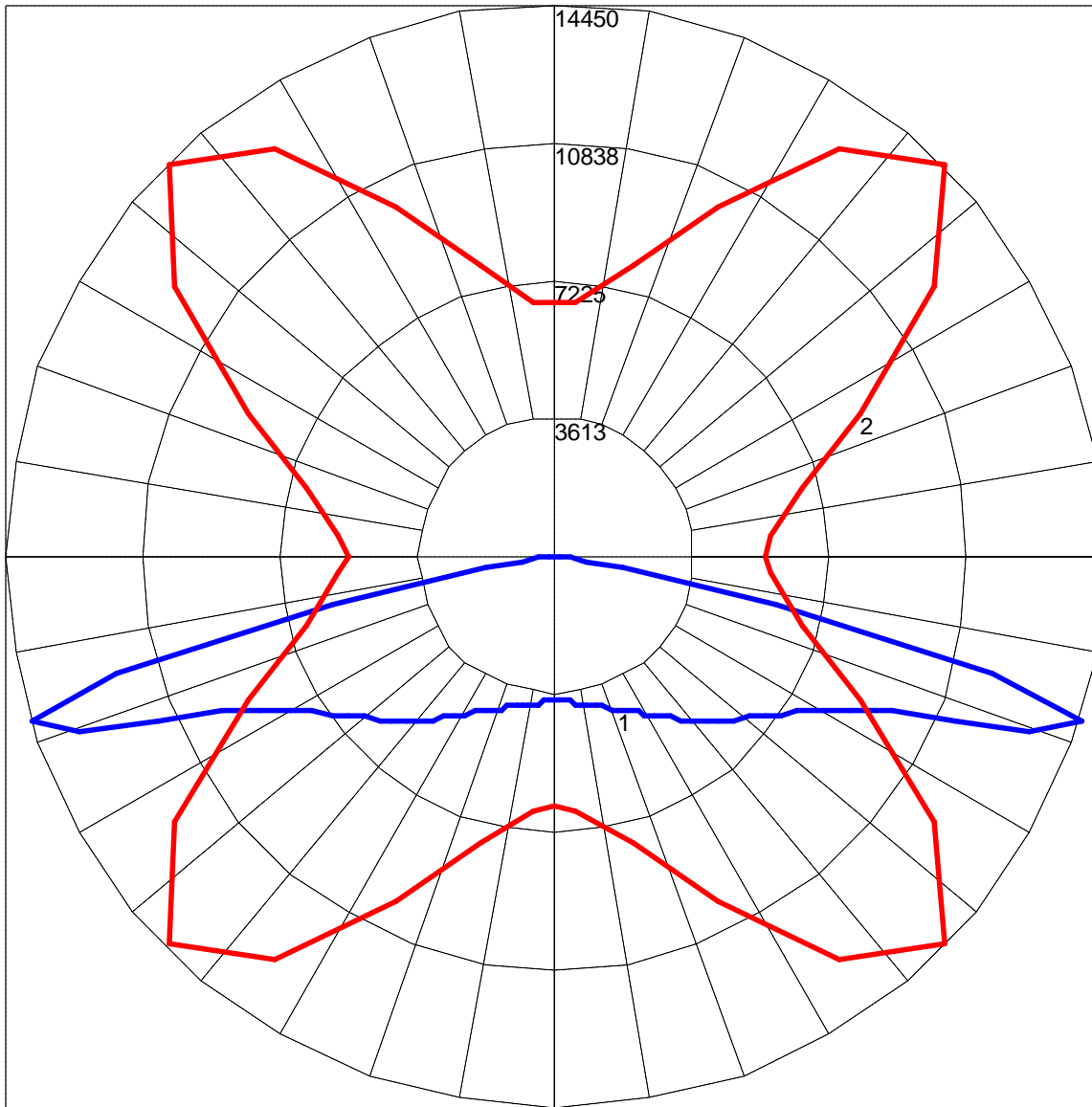
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

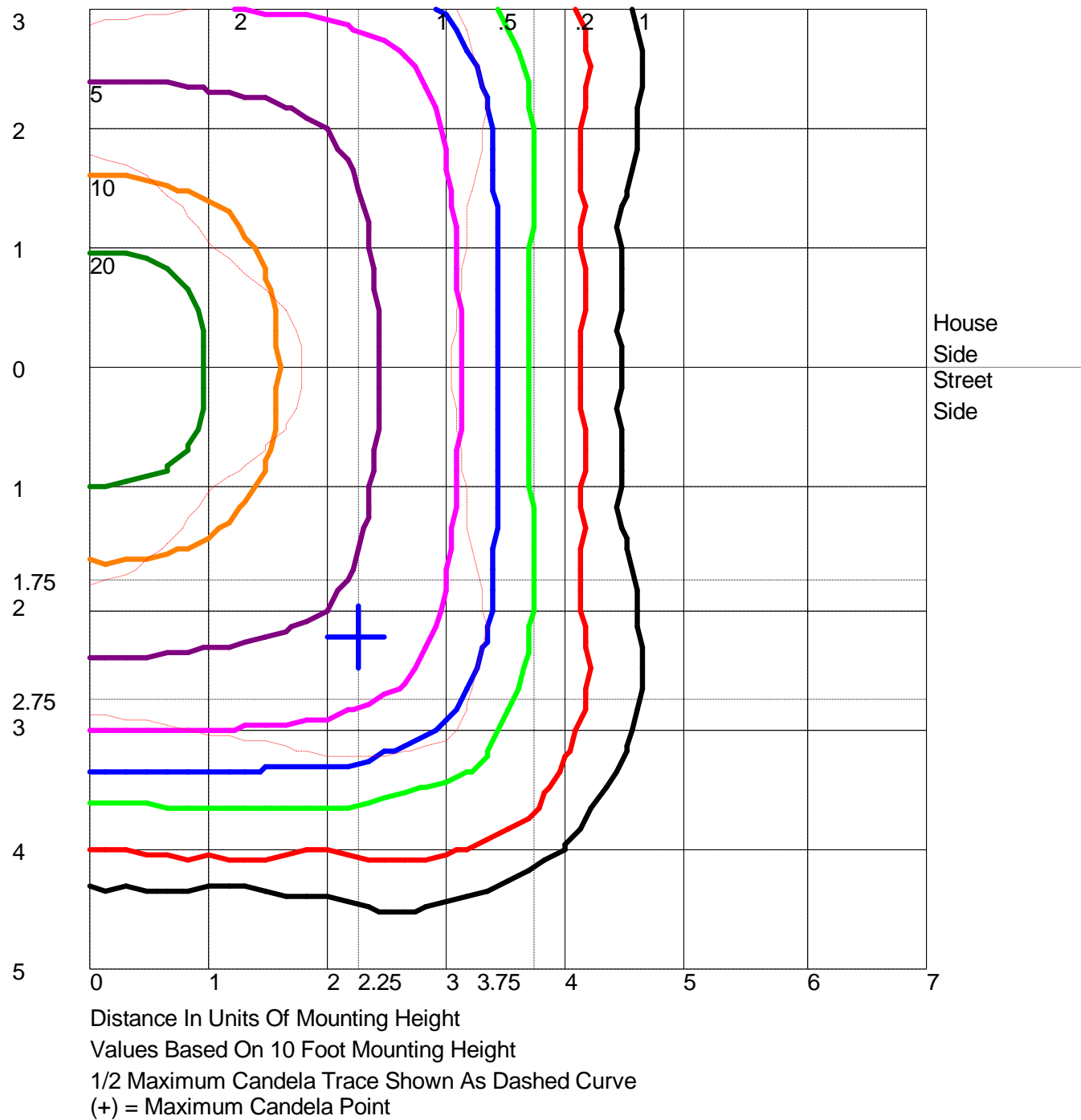
	Lumens	Percent Of Luminaire
Downward Street Side	16384.1	50.0
Downward House Side	16384.1	50.0
Downward Total	32768.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	32768.2	100.0

POLAR GRAPH

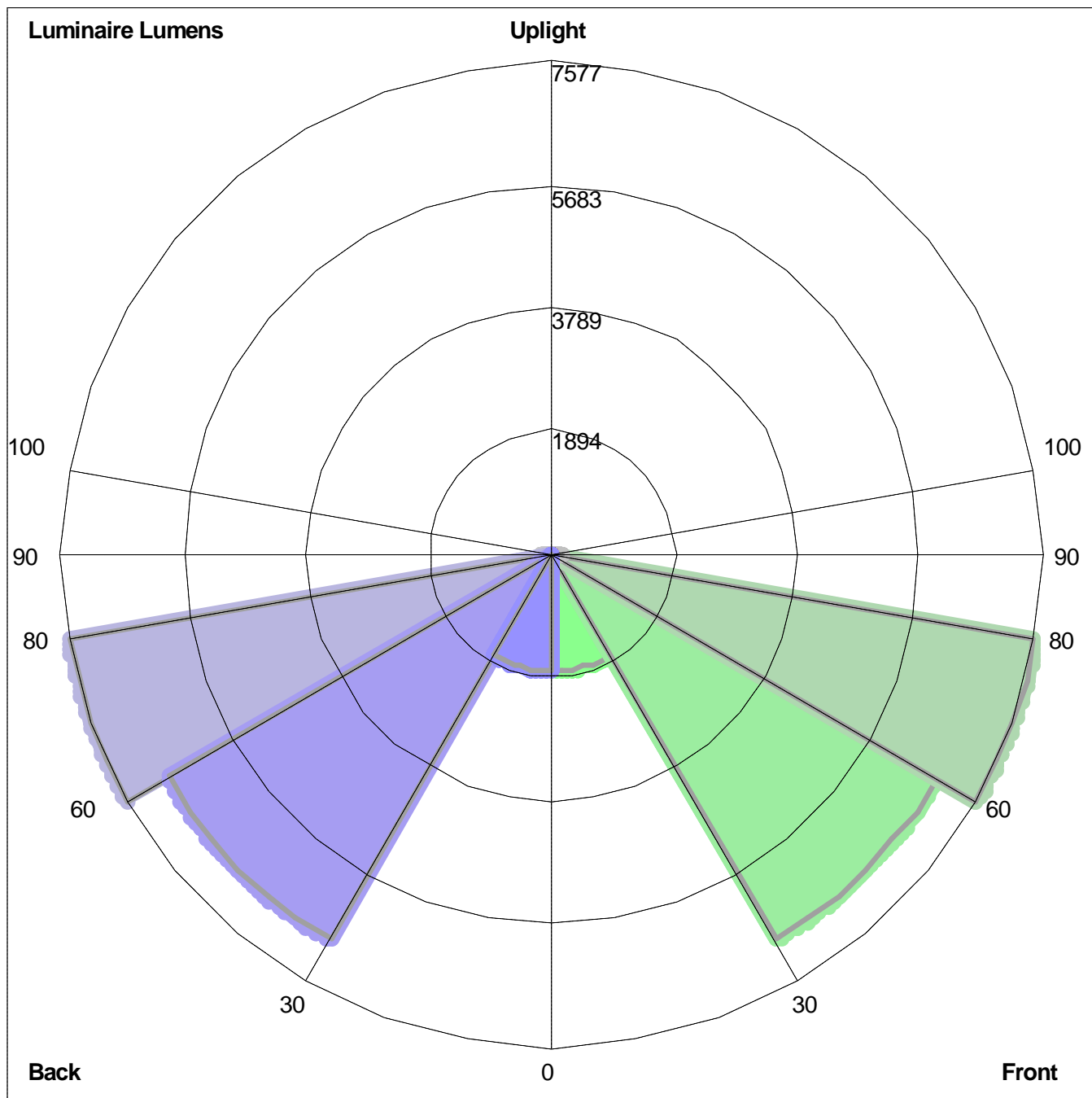


Maximum Candela = 14450 Located At Horizontal Angle = 45, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1790.6, Medium=6860.1, High=7577.2, Very High=156.3
Back: Low=1790.6, Medium=6860.1, High=7577.2, Very High=156.3
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G4