



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-15L-5R-50K8.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12912

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 10/22/2021

[TESTDATE] 08/25/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] HPG-15L-5R-50K8

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

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

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

[SEARCH_COLORTEMP] 5000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16745
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	126
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4804
Maximum Candela Angle	45H 62.5V
Maximum Candela (<90 Degrees Vertical)	4804
Maximum Candela Angle (<90 Degrees Vertical)	45H 62.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	839 (5.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1574.6	N.A.	9.4
FM - Front-Medium (30-60)	4456.9	N.A.	26.6
FH - Front-High (60-80)	2250.5	N.A.	13.4
FVH - Front-Very High (80-90)	90.4	N.A.	0.5
BL - Back-Low (0-30)	1574.6	N.A.	9.4
BM - Back-Medium (30-60)	4456.9	N.A.	26.6
BH - Back-High (60-80)	2250.5	N.A.	13.4
BVH - Back-Very High (80-90)	90.4	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	16744.8	N.A.	100.0
BUG Rating	B3-U0-G2		

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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	3777	3777	3777	3777	3777	3777	3777	3777	3777	3777
2.5	3761	3761	3764	3758	3777	3787	3791	3799	3815	3817
5.0	3749	3753	3753	3749	3771	3782	3794	3804	3820	3819
7.5	3729	3732	3737	3737	3765	3776	3785	3798	3823	3821
10.0	3701	3705	3709	3707	3734	3754	3775	3787	3818	3816
12.5	3688	3692	3694	3694	3721	3734	3751	3779	3810	3810
15.0	3679	3679	3680	3682	3707	3726	3732	3765	3802	3808
17.5	3682	3679	3677	3673	3699	3714	3722	3739	3794	3811
20.0	3682	3684	3683	3680	3695	3705	3713	3721	3785	3817
22.5	3696	3700	3697	3690	3709	3708	3707	3716	3776	3823
25.0	3715	3723	3722	3712	3729	3723	3712	3717	3768	3824
27.5	3736	3742	3749	3742	3753	3742	3724	3718	3758	3824
30.0	3756	3758	3771	3768	3777	3758	3731	3719	3756	3837
32.5	3754	3763	3789	3793	3797	3772	3746	3731	3760	3847
35.0	3751	3758	3791	3809	3817	3793	3764	3740	3756	3853
37.5	3749	3758	3789	3812	3830	3809	3774	3731	3738	3847
40.0	3738	3749	3772	3808	3832	3815	3778	3707	3710	3832
42.5	3795	3786	3776	3808	3831	3817	3778	3694	3678	3810
45.0	4007	3985	3846	3825	3839	3815	3789	3678	3653	3795
47.5	4038	4042	4057	3878	3868	3831	3798	3653	3643	3811
50.0	4058	4053	4062	4025	3933	3869	3819	3644	3662	3856
52.5	4104	4108	4127	4187	4038	3970	3867	3647	3657	3861
55.0	4145	4156	4215	4249	4107	4097	3967	3616	3635	3875
57.5	4104	4133	4280	4341	4304	4283	4043	3582	3663	3968
60.0	3902	3933	4165	4295	4506	4564	4077	3534	3591	3893
62.5	3504	3541	3735	3978	4522	4804	4088	3376	3272	3481
65.0	2938	2981	3134	3471	4169	4655	4000	3077	2836	2910
67.5	2245	2266	2422	2781	3426	4053	3683	2575	2293	2201
70.0	1627	1643	1739	2059	2576	3230	3056	1928	1705	1440
72.5	1115	1133	1196	1444	1928	2453	2202	1291	1028	769
75.0	800	819	842	1001	1409	1932	1491	933	691	491
77.5	572	590	587	677	1054	1458	1102	601	357	265
80.0	399	391	380	442	784	839	631	301	238	196
82.5	218	220	213	315	432	381	233	167	163	137
85.0	105	105	115	183	279	137	84	93	105	89
87.5	53	53	66	63	89	35	29	32	36	41
90.0	0	0	0	0	0	0	0	0	0	0

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

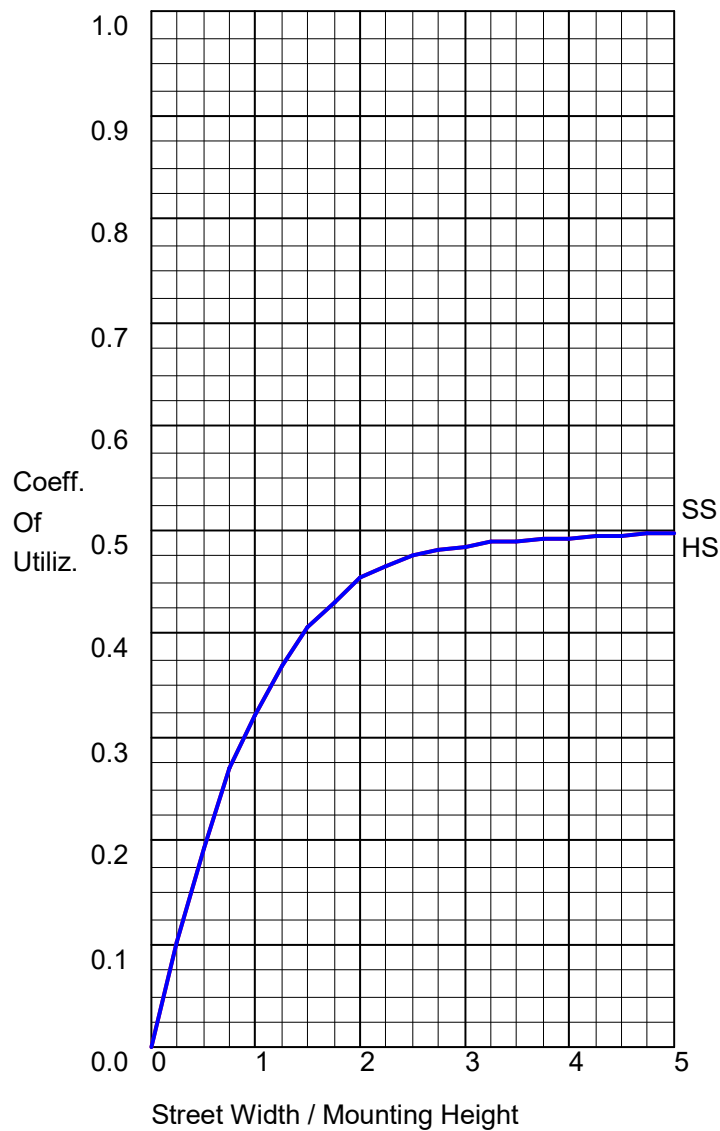
	<u>90</u>
0.0	3777
2.5	3813
5.0	3818
7.5	3819
10.0	3812
12.5	3811
15.0	3807
17.5	3807
20.0	3817
22.5	3820
25.0	3828
27.5	3834

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CANDELA TABULATION - (Cont.)

30.0	3845
32.5	3861
35.0	3865
37.5	3863
40.0	3852
42.5	3832
45.0	3817
47.5	3843
50.0	3891
52.5	3891
55.0	3905
57.5	4006
60.0	3976
62.5	3602
65.0	2992
67.5	2217
70.0	1400
72.5	664
75.0	426
77.5	243
80.0	185
82.5	124
85.0	81
87.5	36
90.0	0

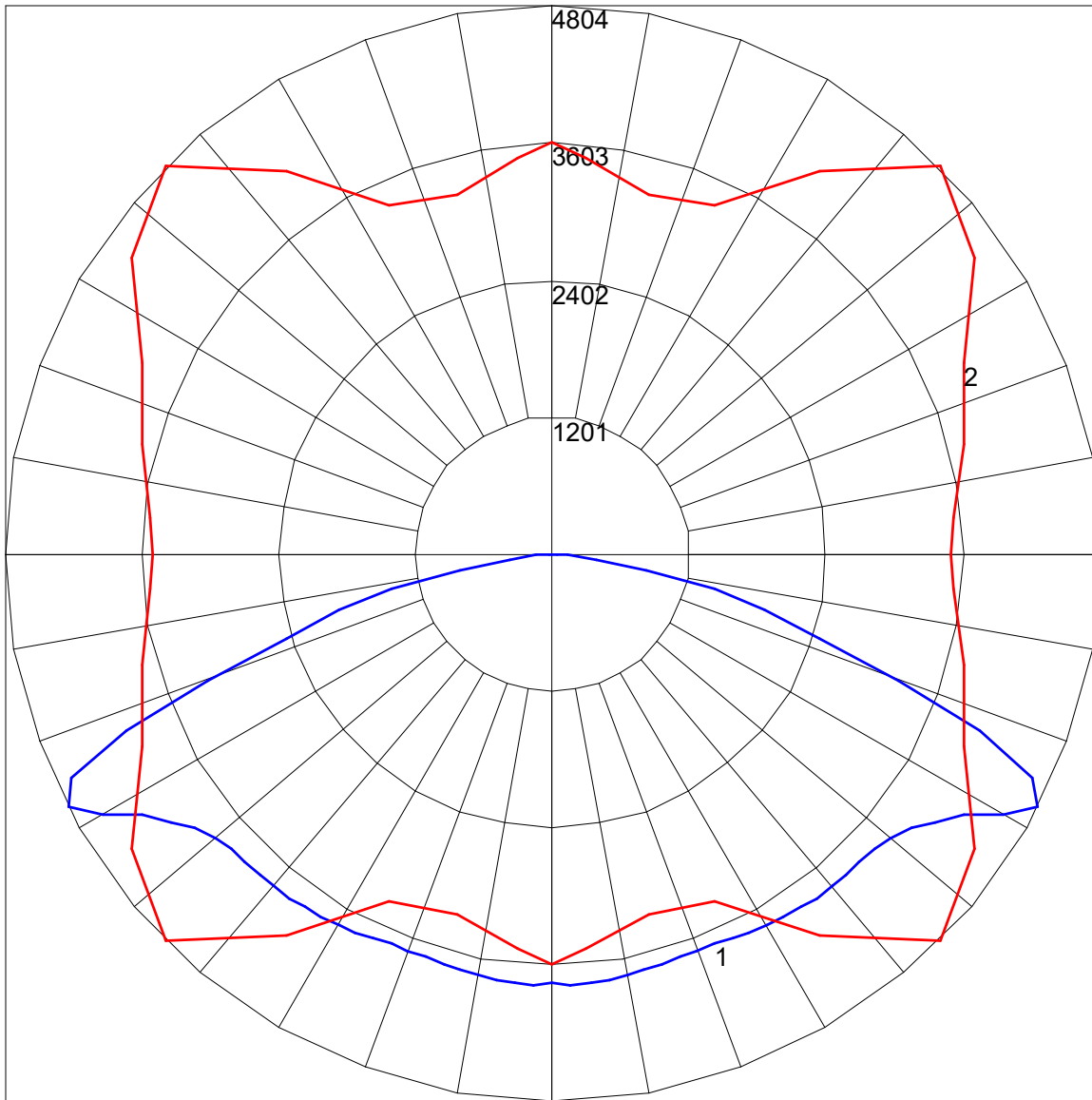
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

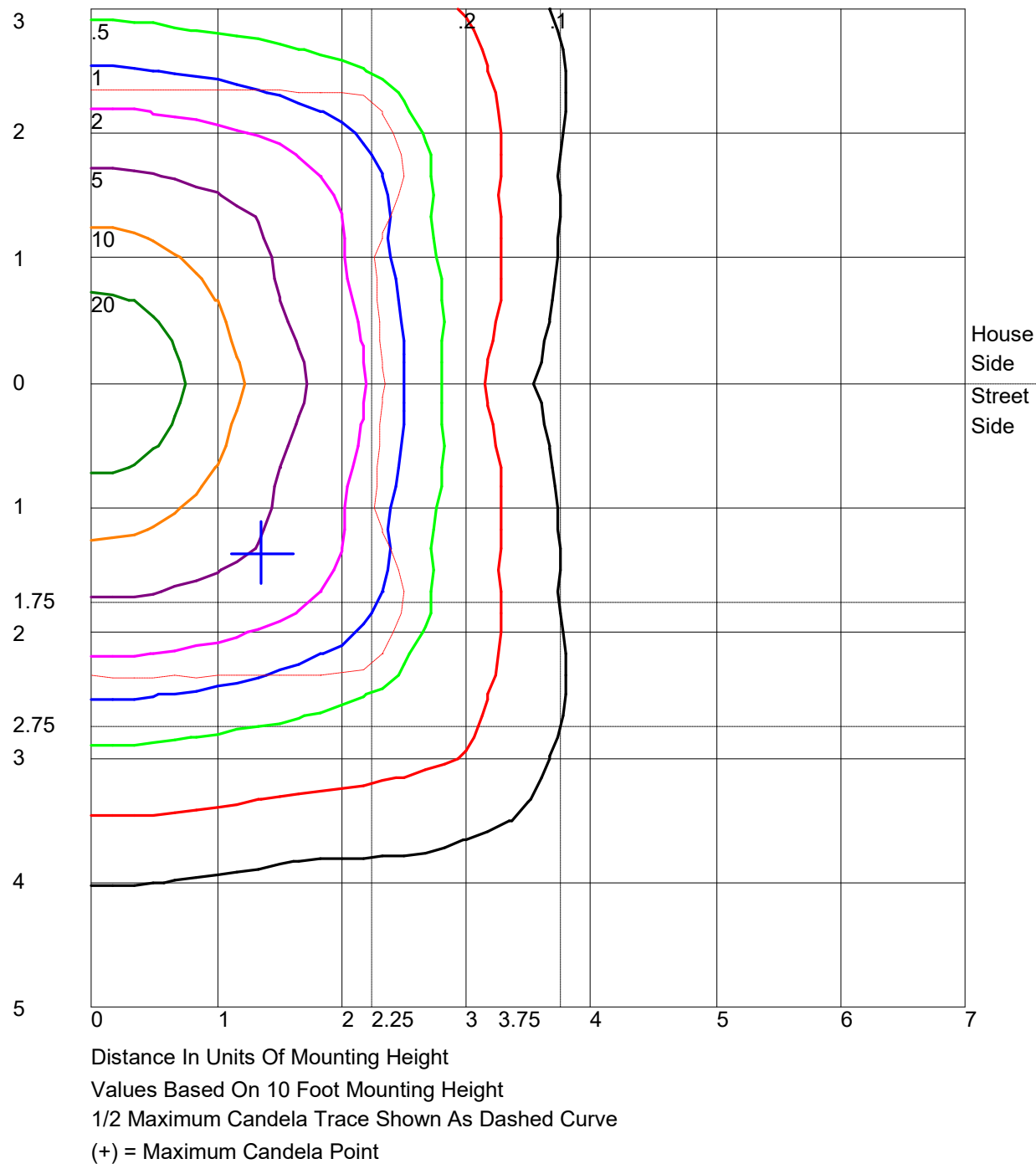
	Lumens	Percent Of Luminaire
Downward Street Side	8372.5	50.0
Downward House Side	8372.5	50.0
Downward Total	16745.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	16745.0	100.0

POLAR GRAPH

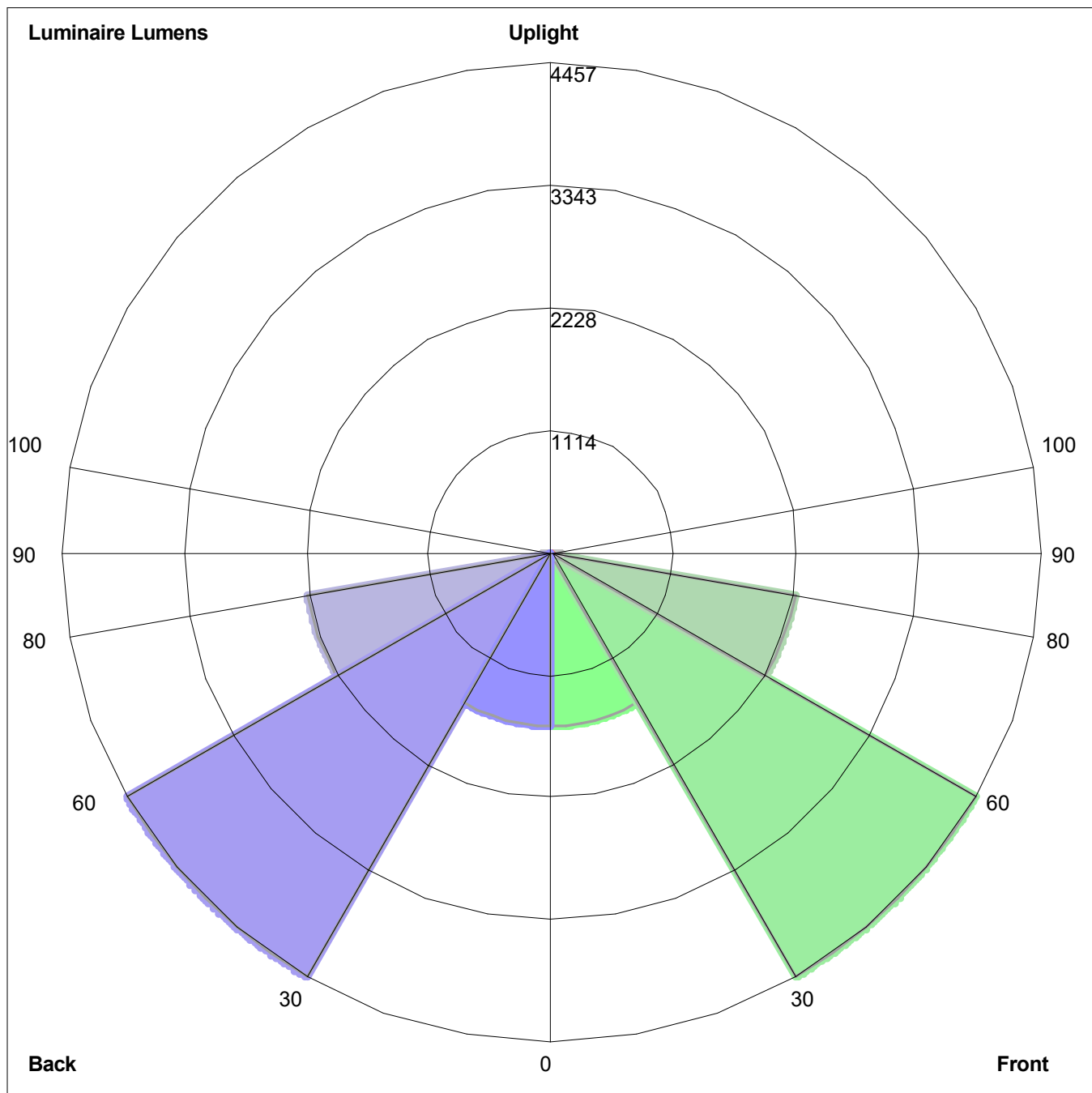


Maximum Candela = 4804 Located At Horizontal Angle = 45, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1574.6, Medium=4456.9, High=2250.5, Very High=90.4
Back: Low=1574.6, Medium=4456.9, High=2250.5, Very High=90.4
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2