



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-15L-5R-30K8.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-30K8

[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] 3000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16086
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	126
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4615
Maximum Candela Angle	45H 62.5V
Maximum Candela (<90 Degrees Vertical)	4615
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	806 (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)	1512.6	N.A.	9.4
FM - Front-Medium (30-60)	4281.4	N.A.	26.6
FH - Front-High (60-80)	2162.0	N.A.	13.4
FVH - Front-Very High (80-90)	86.9	N.A.	0.5
BL - Back-Low (0-30)	1512.6	N.A.	9.4
BM - Back-Medium (30-60)	4281.4	N.A.	26.6
BH - Back-High (60-80)	2162.0	N.A.	13.4
BVH - Back-Very High (80-90)	86.9	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	16085.8	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	3628	3628	3628	3628	3628	3628	3628	3628	3628	3628
2.5	3613	3613	3616	3610	3628	3638	3642	3649	3665	3667
5.0	3601	3605	3605	3601	3623	3633	3645	3654	3670	3669
7.5	3582	3585	3590	3590	3617	3627	3636	3648	3672	3671
10.0	3555	3559	3563	3561	3587	3606	3626	3638	3668	3666
12.5	3543	3547	3549	3549	3575	3587	3603	3630	3660	3660
15.0	3534	3534	3535	3537	3561	3579	3585	3617	3652	3658
17.5	3537	3534	3532	3528	3553	3568	3575	3592	3645	3661
20.0	3537	3539	3538	3535	3550	3559	3567	3575	3636	3667
22.5	3550	3554	3551	3545	3563	3562	3561	3570	3627	3672
25.0	3569	3576	3575	3566	3582	3576	3566	3571	3620	3673
27.5	3589	3595	3601	3595	3605	3595	3577	3572	3610	3673
30.0	3608	3610	3623	3620	3628	3610	3584	3573	3608	3686
32.5	3606	3615	3640	3644	3648	3623	3599	3584	3612	3696
35.0	3603	3610	3642	3659	3667	3644	3616	3593	3608	3701
37.5	3601	3610	3640	3662	3679	3659	3625	3584	3591	3696
40.0	3591	3601	3623	3658	3681	3665	3629	3561	3564	3681
42.5	3646	3637	3627	3658	3680	3667	3629	3549	3533	3660
45.0	3849	3828	3695	3674	3688	3665	3640	3533	3509	3646
47.5	3879	3883	3897	3725	3716	3680	3648	3509	3500	3661
50.0	3898	3893	3902	3867	3778	3717	3669	3501	3518	3704
52.5	3942	3946	3965	4022	3879	3814	3715	3503	3513	3709
55.0	3982	3992	4049	4082	3945	3936	3811	3474	3492	3722
57.5	3942	3970	4111	4170	4135	4114	3884	3441	3519	3812
60.0	3748	3778	4001	4126	4329	4384	3916	3395	3450	3740
62.5	3366	3402	3588	3821	4344	4615	3927	3243	3143	3344
65.0	2822	2864	3011	3334	4005	4472	3843	2956	2724	2795
67.5	2157	2177	2327	2672	3291	3893	3538	2474	2203	2114
70.0	1563	1578	1671	1978	2475	3103	2936	1852	1638	1383
72.5	1071	1088	1149	1387	1852	2356	2115	1240	988	739
75.0	769	787	809	962	1354	1856	1432	896	664	472
77.5	549	567	564	650	1013	1401	1059	577	343	255
80.0	383	376	365	425	753	806	606	289	229	188
82.5	209	211	205	303	415	366	224	160	157	132
85.0	101	101	110	176	268	132	81	89	101	85
87.5	51	51	63	61	85	34	28	31	35	39
90.0	0	0	0	0	0	0	0	0	0	0

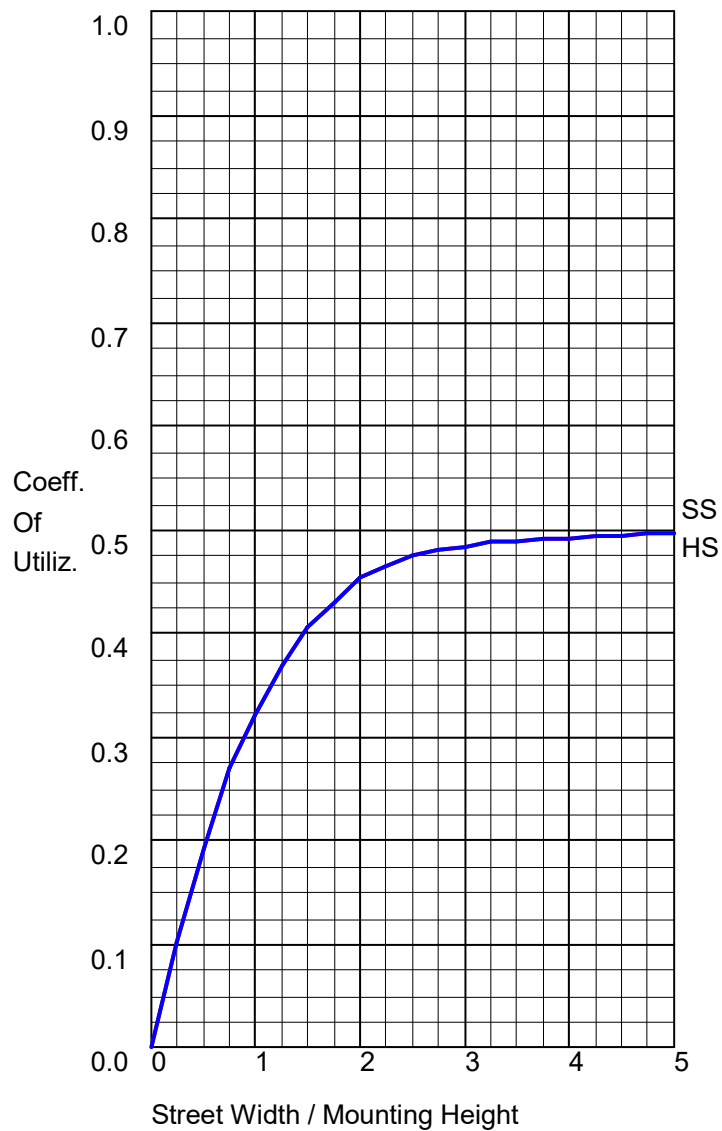
Vert. Angles	Horizontal Angles									
	<u>90</u>									
0.0	3628									
2.5	3663									
5.0	3668									
7.5	3669									
10.0	3662									
12.5	3661									
15.0	3657									
17.5	3657									
20.0	3667									
22.5	3670									
25.0	3677									
27.5	3683									

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CANDELA TABULATION - (Cont.)

30.0	3694
32.5	3709
35.0	3713
37.5	3711
40.0	3700
42.5	3681
45.0	3667
47.5	3692
50.0	3738
52.5	3738
55.0	3751
57.5	3848
60.0	3819
62.5	3460
65.0	2874
67.5	2130
70.0	1345
72.5	638
75.0	409
77.5	233
80.0	178
82.5	119
85.0	78
87.5	35
90.0	0

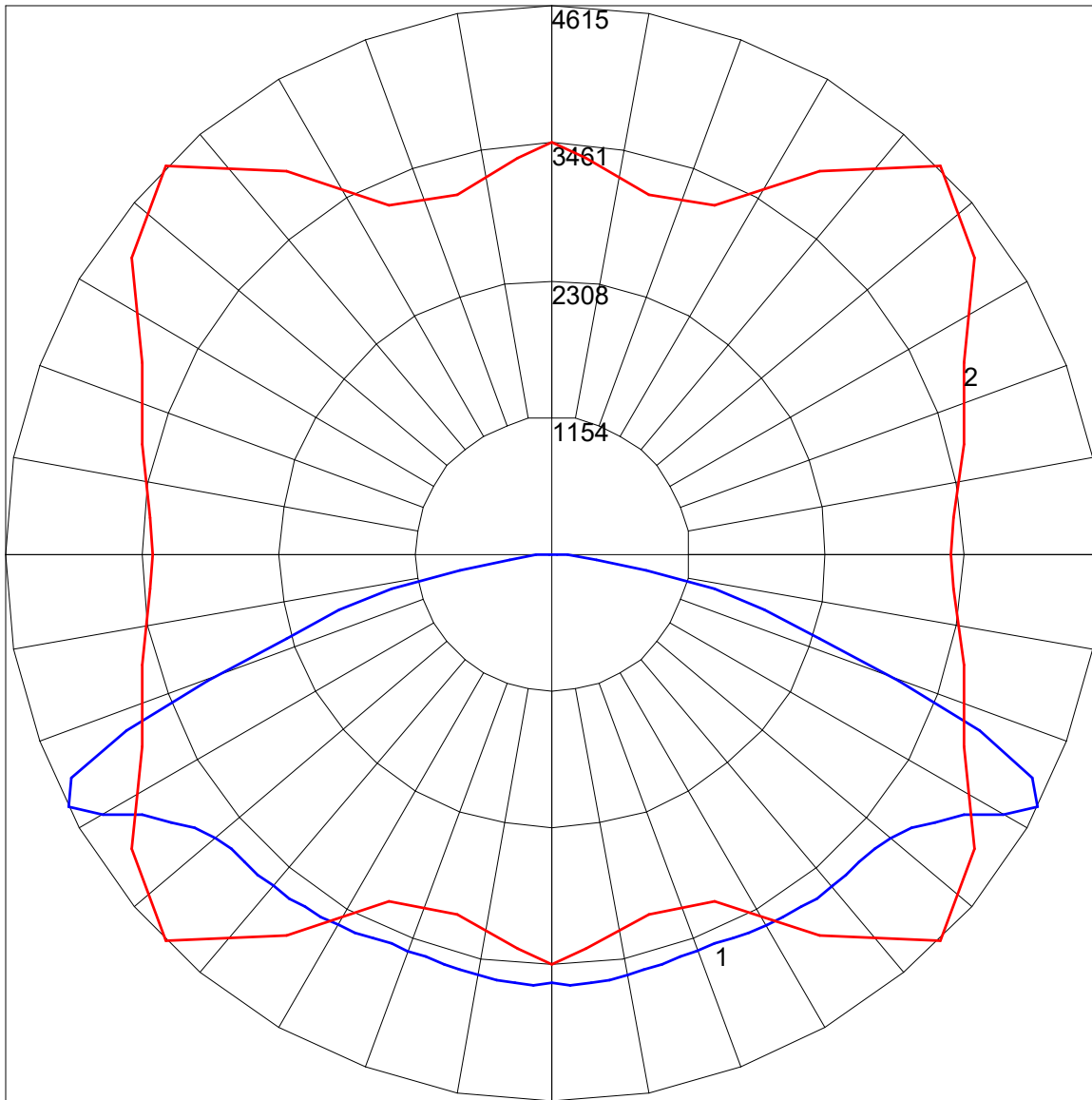
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

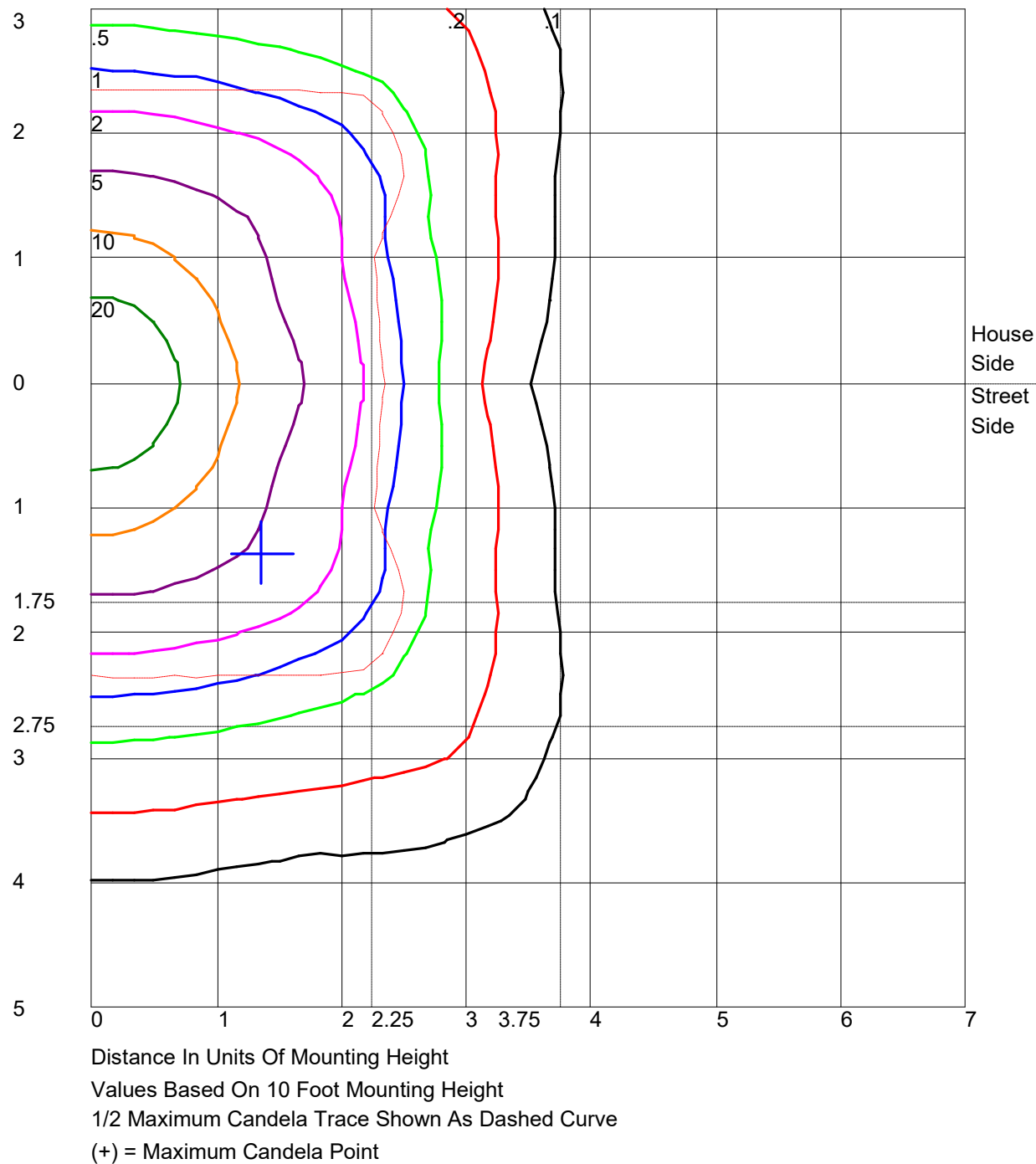
	Lumens	Percent Of Luminaire
Downward Street Side	8042.9	50.0
Downward House Side	8042.9	50.0
Downward Total	16085.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	16085.8	100.0

POLAR GRAPH

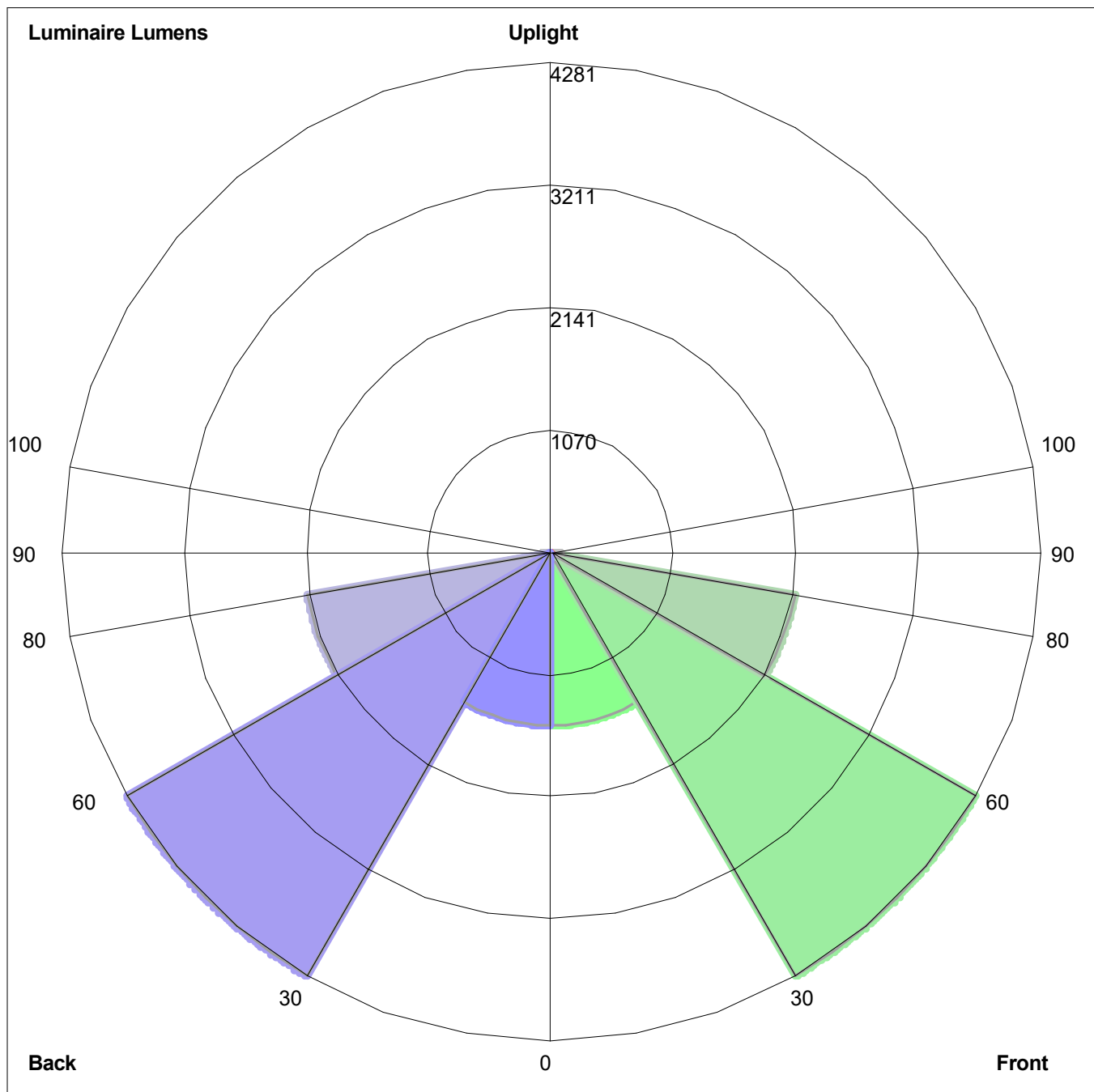


Maximum Candela = 4615 Located At Horizontal Angle = 45, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1512.6, Medium=4281.4, High= 2162.0, Very High=86.9
Back: Low=1512.6, Medium=4281.4, High= 2162.0, Very High=86.9
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2