



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-23L-5C-30K8.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12245
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 10/22/2021
[TESTDATE] 10/02/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] HPG-23L-5C-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	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23175
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	198
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7642
Maximum Candela Angle	0H 5V
Maximum Candela (<90 Degrees Vertical)	7642
Maximum Candela Angle (<90 Degrees Vertical)	0H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	391 (1.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3107.8	N.A.	13.4
FM - Front-Medium (30-60)	6451.0	N.A.	27.8
FH - Front-High (60-80)	1970.5	N.A.	8.5
FVH - Front-Very High (80-90)	58.5	N.A.	0.3
BL - Back-Low (0-30)	3107.8	N.A.	13.4
BM - Back-Medium (30-60)	6451.0	N.A.	27.8
BH - Back-High (60-80)	1970.5	N.A.	8.5
BVH - Back-Very High (80-90)	58.5	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	23175.6	N.A.	100.0
BUG Rating	B4-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	7608	7608	7608	7608	7608	7608	7608	7608	7608	7608
2.5	7641	7634	7629	7622	7619	7612	7615	7617	7626	7627
5.0	7642	7636	7631	7623	7621	7613	7617	7619	7629	7629
7.5	7631	7629	7623	7615	7613	7604	7606	7609	7621	7622
10.0	7614	7610	7604	7596	7594	7588	7589	7592	7602	7602
12.5	7589	7584	7579	7571	7567	7561	7563	7565	7576	7577
15.0	7553	7549	7545	7537	7533	7527	7527	7531	7541	7544
17.5	7509	7505	7498	7493	7489	7484	7484	7486	7496	7499
20.0	7453	7449	7442	7435	7433	7430	7429	7430	7438	7441
22.5	7381	7376	7372	7360	7360	7359	7358	7357	7367	7370
25.0	7293	7288	7282	7270	7274	7272	7273	7270	7279	7279
27.5	7187	7182	7172	7164	7168	7169	7169	7164	7173	7171
30.0	7063	7053	7045	7039	7044	7046	7047	7041	7044	7045
32.5	6916	6908	6899	6894	6902	6899	6905	6899	6900	6901
35.0	6744	6739	6733	6732	6738	6736	6737	6736	6735	6736
37.5	6556	6551	6544	6545	6551	6550	6545	6547	6542	6547
40.0	6339	6342	6336	6339	6344	6343	6332	6336	6334	6340
42.5	6116	6112	6112	6117	6120	6113	6102	6102	6104	6116
45.0	5874	5865	5870	5875	5877	5866	5860	5861	5861	5875
47.5	5615	5604	5598	5616	5602	5604	5597	5600	5592	5602
50.0	5333	5324	5317	5322	5318	5319	5315	5320	5311	5320
52.5	5028	5019	5015	5003	4999	5005	5006	5017	5010	5007
55.0	4699	4694	4681	4664	4657	4664	4673	4681	4685	4673
57.5	4333	4337	4316	4314	4312	4312	4320	4332	4324	4323
60.0	3937	3946	3945	3944	3938	3935	3945	3955	3944	3941
62.5	3520	3540	3551	3541	3538	3532	3526	3530	3550	3536
65.0	2820	2847	2989	3114	3112	3084	3089	3093	2940	2844
67.5	2284	2280	2311	2425	2627	2635	2606	2387	2319	2300
70.0	1754	1754	1768	1854	1964	2150	1963	1860	1787	1766
72.5	1179	1184	1258	1366	1424	1424	1436	1366	1291	1231
75.0	862	856	865	858	872	853	918	900	875	852
77.5	560	565	554	533	459	414	474	587	573	580
80.0	369	381	369	305	207	183	222	327	382	391
82.5	212	215	206	144	112	104	110	150	215	226
85.0	98	98	86	66	64	63	63	67	88	106
87.5	34	34	34	34	33	33	33	35	35	37
90.0	0	0	0	0	0	0	0	0	0	0

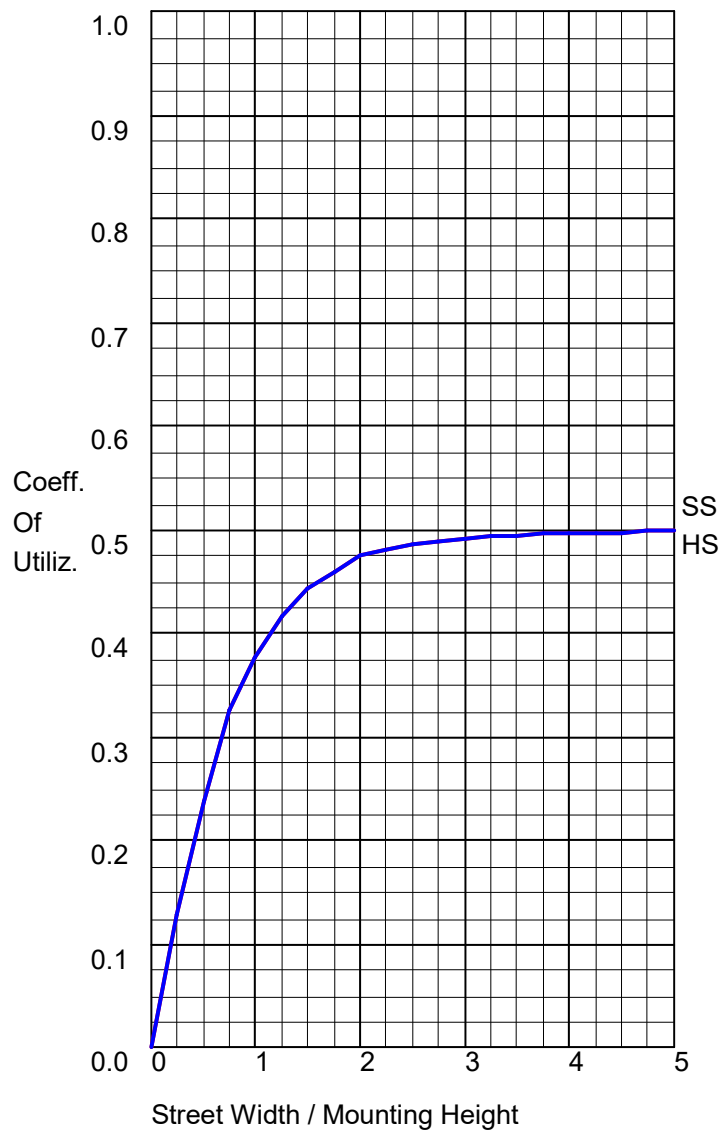
Vert. Angles	Horizontal Angles
	90
0.0	7608
2.5	7632
5.0	7633
7.5	7625
10.0	7608
12.5	7584
15.0	7549
17.5	7502
20.0	7441
22.5	7370
25.0	7280
27.5	7174

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CANDELA TABULATION - (Cont.)

30.0	7048
32.5	6902
35.0	6737
37.5	6551
40.0	6344
42.5	6120
45.0	5881
47.5	5607
50.0	5311
52.5	5004
55.0	4677
57.5	4327
60.0	3947
62.5	3535
65.0	2833
67.5	2286
70.0	1762
72.5	1202
75.0	845
77.5	573
80.0	385
82.5	224
85.0	108
87.5	37
90.0	0

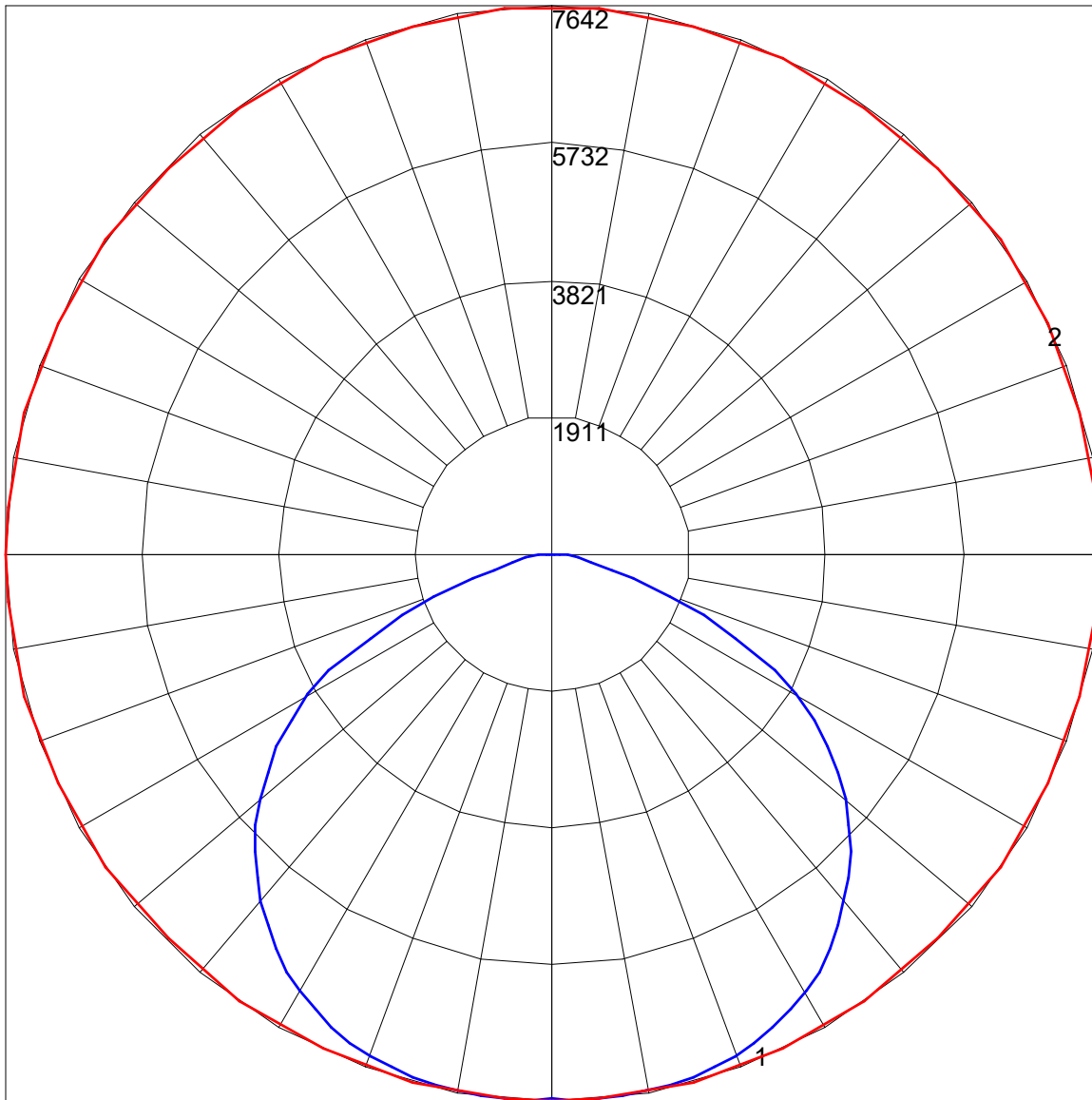
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

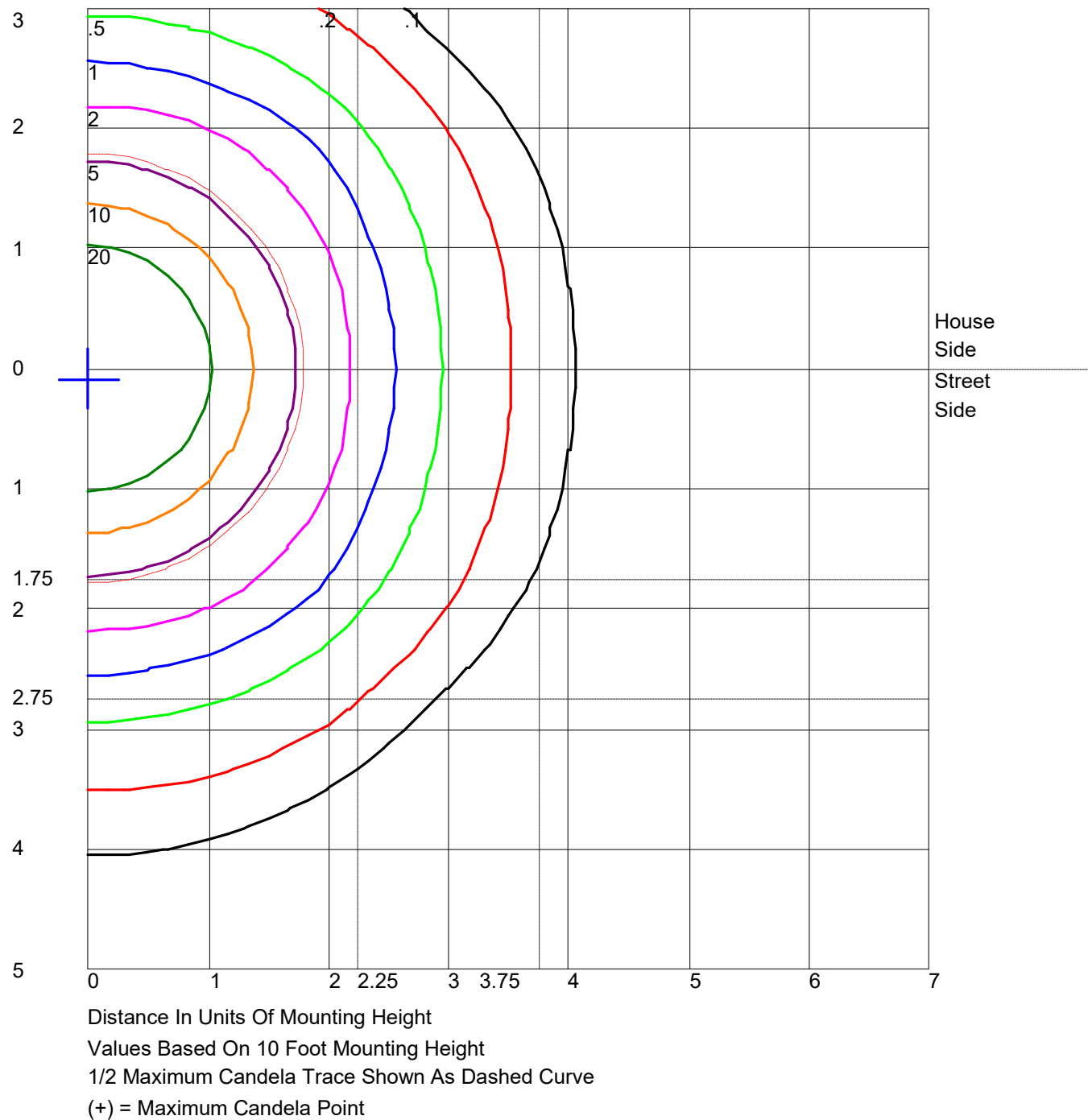
	Lumens	Percent Of Luminaire
Downward Street Side	11587.7	50.0
Downward House Side	11587.7	50.0
Downward Total	23175.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	23175.4	100.0

POLAR GRAPH

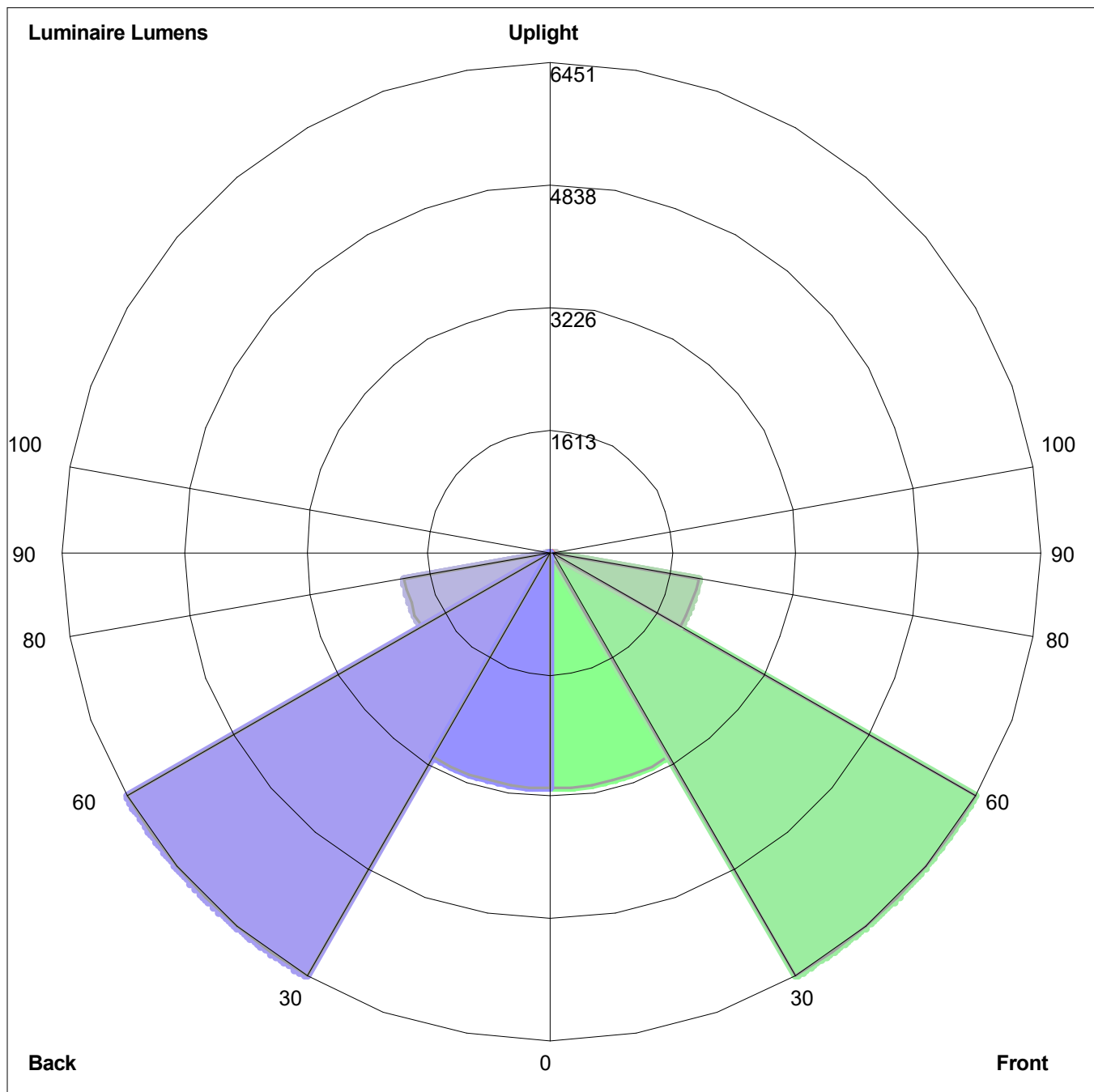


Maximum Candela = 7642 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=3107.8, Medium= 6451.0, High=1970.5, Very High=58.5
Back: Low=3107.8, Medium= 6451.0, High=1970.5, Very High=58.5
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2