



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-13L-5C-30K8.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12245
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 10/22/2021
[TEST DATE] 10/02/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] HPG-13L-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	13738
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	106
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4530
Maximum Candela Angle	0H 5V
Maximum Candela (<90 Degrees Vertical)	4530
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	232 (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)	1842.2	N.A.	13.4
FM - Front-Medium (30-60)	3824.1	N.A.	27.8
FH - Front-High (60-80)	1168.1	N.A.	8.5
FVH - Front-Very High (80-90)	34.6	N.A.	0.3
BL - Back-Low (0-30)	1842.2	N.A.	13.4
BM - Back-Medium (30-60)	3824.1	N.A.	27.8
BH - Back-High (60-80)	1168.1	N.A.	8.5
BVH - Back-Very High (80-90)	34.6	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	13738.0	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	4510	4510	4510	4510	4510	4510	4510	4510	4510	4510
2.5	4529	4526	4523	4518	4516	4512	4514	4515	4521	4522
5.0	4530	4526	4524	4519	4518	4513	4515	4516	4523	4523
7.5	4524	4523	4519	4514	4513	4508	4509	4510	4518	4518
10.0	4513	4511	4508	4502	4502	4498	4499	4501	4506	4506
12.5	4499	4496	4493	4488	4485	4482	4483	4484	4491	4492
15.0	4477	4475	4473	4468	4466	4462	4462	4464	4470	4472
17.5	4452	4449	4445	4442	4439	4436	4436	4438	4444	4445
20.0	4418	4415	4411	4407	4406	4404	4404	4404	4409	4411
22.5	4375	4372	4370	4363	4363	4362	4362	4361	4367	4369
25.0	4323	4320	4316	4309	4312	4310	4311	4309	4315	4315
27.5	4260	4258	4252	4247	4249	4250	4250	4247	4252	4251
30.0	4186	4181	4177	4173	4176	4177	4178	4174	4176	4177
32.5	4099	4095	4089	4087	4091	4089	4093	4089	4090	4091
35.0	3997	3994	3991	3990	3994	3993	3993	3993	3992	3993
37.5	3887	3883	3879	3880	3883	3883	3880	3881	3878	3881
40.0	3758	3760	3756	3758	3761	3760	3754	3756	3755	3758
42.5	3625	3623	3623	3626	3628	3624	3617	3617	3619	3625
45.0	3482	3477	3480	3482	3484	3477	3474	3475	3475	3482
47.5	3329	3322	3318	3329	3321	3322	3318	3320	3315	3321
50.0	3161	3156	3152	3155	3153	3153	3151	3154	3149	3154
52.5	2981	2975	2973	2965	2964	2966	2967	2974	2969	2968
55.0	2786	2782	2775	2765	2761	2765	2769	2775	2777	2769
57.5	2569	2571	2558	2557	2556	2556	2561	2568	2563	2563
60.0	2333	2339	2339	2338	2334	2332	2339	2345	2338	2336
62.5	2086	2098	2106	2099	2097	2094	2090	2092	2105	2096
65.0	1671	1688	1772	1846	1845	1828	1831	1834	1743	1686
67.5	1354	1352	1370	1437	1557	1562	1545	1415	1375	1363
70.0	1039	1039	1048	1099	1164	1275	1163	1103	1060	1047
72.5	698	702	746	810	844	844	851	810	766	729
75.0	511	507	513	508	517	505	545	533	519	505
77.5	332	335	329	316	272	245	281	348	339	344
80.0	219	226	219	181	123	109	132	194	227	232
82.5	126	128	122	85	66	61	65	88	128	134
85.0	58	58	51	39	38	37	37	39	53	62
87.5	20	20	20	20	19	19	19	20	20	22
90.0	0	0	0	0	0	0	0	0	0	0

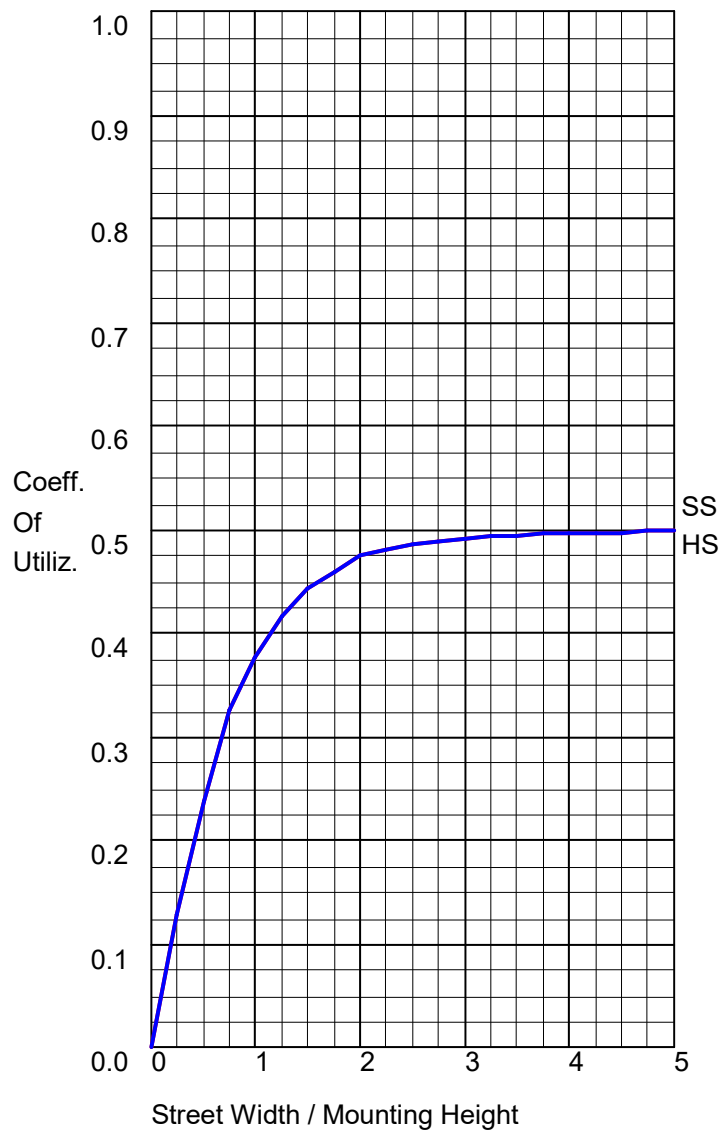
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	4510
2.5	4525
5.0	4525
7.5	4521
10.0	4510
12.5	4496
15.0	4475
17.5	4447
20.0	4411
22.5	4369
25.0	4315
27.5	4253

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CANDELA TABULATION - (Cont.)

30.0	4178
32.5	4091
35.0	3993
37.5	3883
40.0	3761
42.5	3628
45.0	3486
47.5	3324
50.0	3149
52.5	2966
55.0	2772
57.5	2565
60.0	2340
62.5	2095
65.0	1679
67.5	1355
70.0	1044
72.5	713
75.0	501
77.5	339
80.0	229
82.5	133
85.0	63
87.5	22
90.0	0

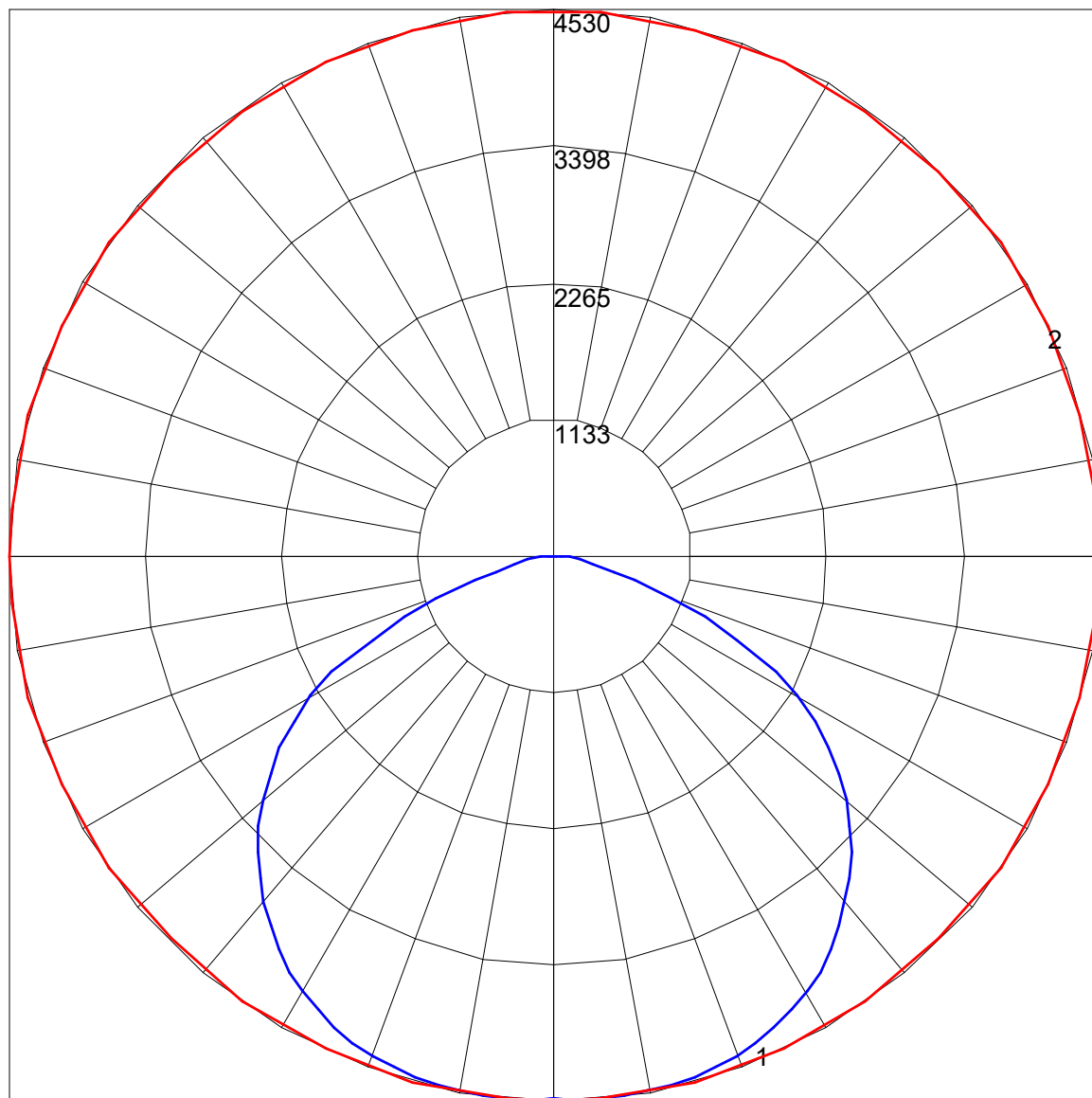
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

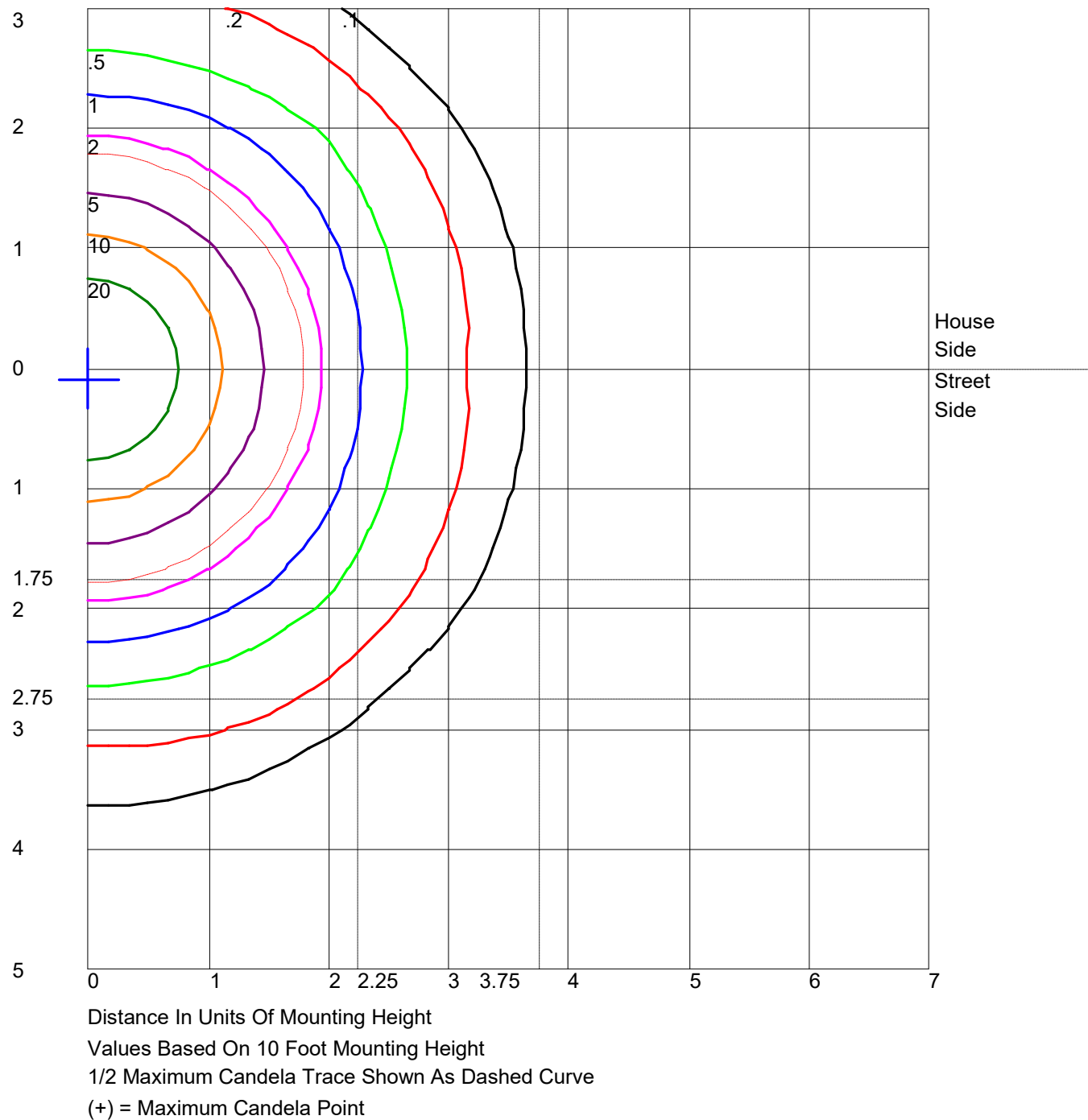
	Lumens	Percent Of Luminaire
Downward Street Side	6869.0	50.0
Downward House Side	6869.0	50.0
Downward Total	13738.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13738.0	100.0

POLAR GRAPH

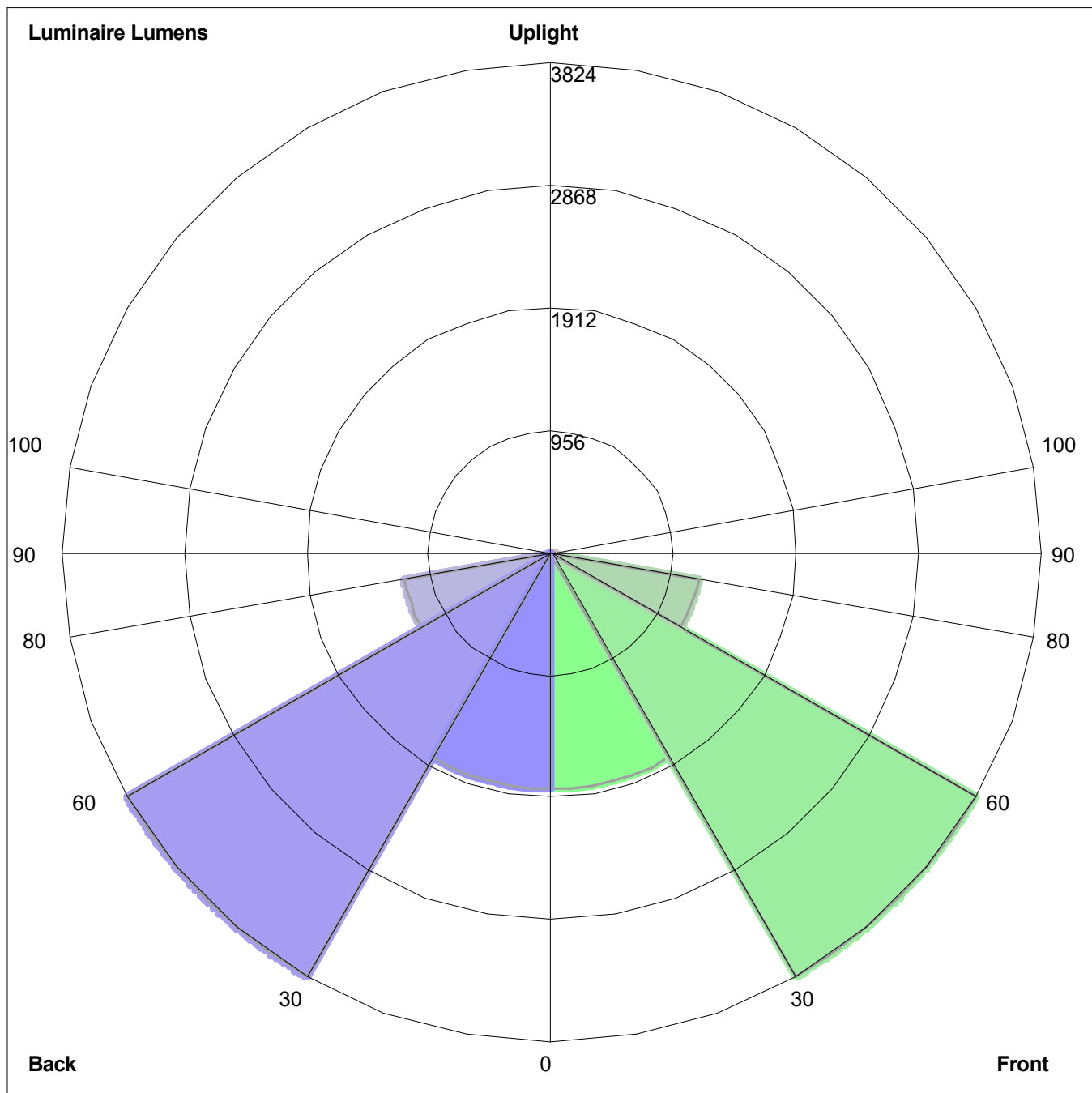


Maximum Candela = 4530 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1842.2, Medium=3824.1, High=1168.1, Very High=34.6
Back: Low=1842.2, Medium=3824.1, High=1168.1, Very High=34.6
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1