



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-15L-5C-40K8.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
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMEN CATEGORY] HPG-15L-5C-40K8
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLOR TEMP] 4000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16561
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	126
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5461
Maximum Candela Angle	0H 5V
Maximum Candela (<90 Degrees Vertical)	5461
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	279 (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)	2220.8	N.A.	13.4
FM - Front-Medium (30-60)	4609.9	N.A.	27.8
FH - Front-High (60-80)	1408.1	N.A.	8.5
FVH - Front-Very High (80-90)	41.8	N.A.	0.3
BL - Back-Low (0-30)	2220.8	N.A.	13.4
BM - Back-Medium (30-60)	4609.9	N.A.	27.8
BH - Back-High (60-80)	1408.1	N.A.	8.5
BVH - Back-Very High (80-90)	41.8	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	16561.2	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	5437	5437	5437	5437	5437	5437	5437	5437	5437	5437
2.5	5460	5455	5452	5446	5444	5440	5442	5443	5450	5451
5.0	5461	5457	5453	5447	5446	5440	5443	5444	5452	5452
7.5	5453	5452	5447	5442	5440	5434	5435	5437	5446	5446
10.0	5441	5438	5434	5428	5427	5422	5423	5425	5433	5433
12.5	5423	5420	5416	5410	5407	5403	5405	5406	5414	5415
15.0	5398	5394	5392	5386	5383	5379	5379	5382	5389	5391
17.5	5366	5363	5358	5354	5352	5348	5348	5350	5356	5359
20.0	5326	5323	5318	5313	5312	5309	5308	5309	5315	5317
22.5	5274	5271	5268	5260	5260	5259	5258	5257	5265	5267
25.0	5212	5208	5203	5195	5198	5197	5197	5195	5201	5201
27.5	5136	5132	5125	5120	5122	5123	5123	5120	5126	5124
30.0	5047	5040	5035	5030	5034	5035	5036	5032	5034	5035
32.5	4942	4936	4930	4927	4932	4930	4934	4930	4931	4932
35.0	4819	4816	4811	4811	4815	4814	4814	4814	4813	4814
37.5	4685	4681	4676	4677	4681	4680	4677	4678	4675	4678
40.0	4530	4532	4528	4530	4533	4533	4525	4528	4527	4531
42.5	4371	4368	4368	4371	4373	4369	4360	4360	4362	4371
45.0	4198	4191	4195	4198	4200	4192	4187	4188	4188	4198
47.5	4012	4005	4000	4013	4003	4005	3999	4002	3996	4003
50.0	3811	3804	3800	3803	3800	3801	3798	3802	3795	3802
52.5	3593	3587	3584	3575	3572	3576	3577	3585	3580	3578
55.0	3358	3354	3345	3333	3328	3333	3339	3345	3348	3339
57.5	3097	3099	3084	3083	3082	3082	3087	3096	3090	3089
60.0	2813	2820	2819	2819	2814	2812	2819	2826	2819	2817
62.5	2515	2530	2538	2530	2528	2524	2520	2523	2537	2527
65.0	2015	2035	2136	2226	2224	2204	2208	2210	2101	2033
67.5	1632	1629	1652	1733	1877	1883	1862	1706	1657	1643
70.0	1253	1253	1263	1325	1403	1536	1402	1329	1277	1262
72.5	842	846	899	976	1017	1017	1026	976	923	879
75.0	616	612	618	613	623	610	656	643	625	609
77.5	400	404	396	381	328	296	338	419	409	415
80.0	264	273	264	218	148	131	159	233	273	279
82.5	152	154	147	103	80	74	78	107	154	161
85.0	70	70	62	47	46	45	45	48	63	76
87.5	24	24	24	24	23	23	23	25	25	27
90.0	0	0	0	0	0	0	0	0	0	0

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

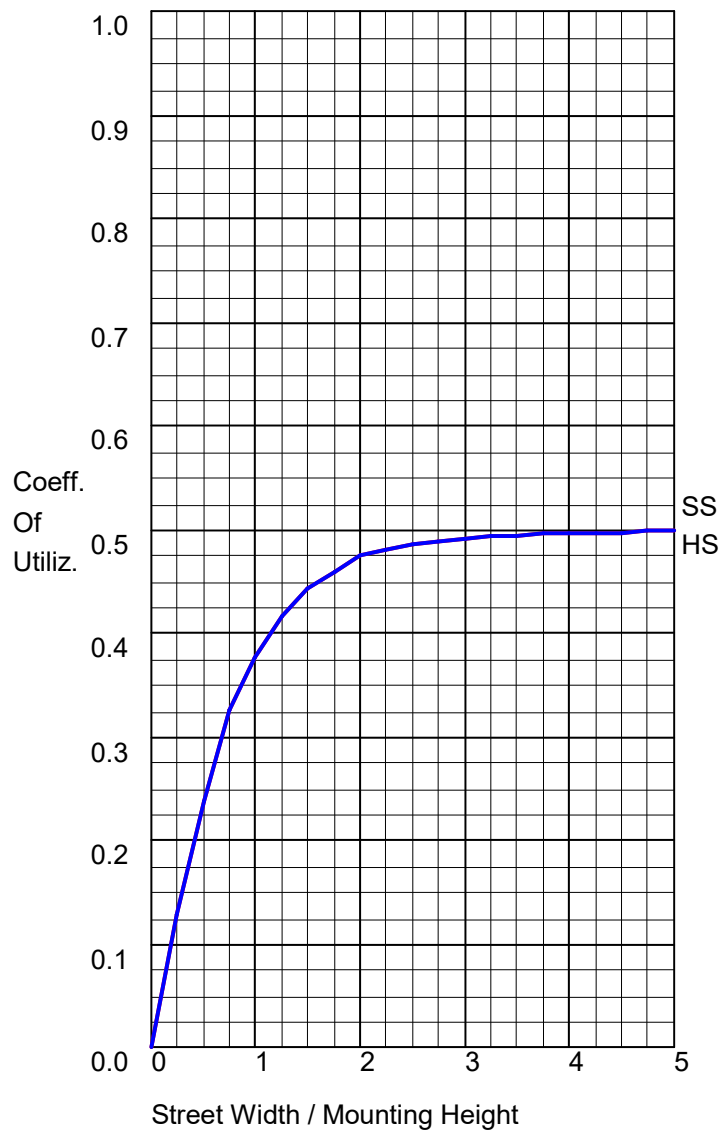
	<u>90</u>
0.0	5437
2.5	5454
5.0	5455
7.5	5449
10.0	5437
12.5	5420
15.0	5394
17.5	5361
20.0	5317
22.5	5267
25.0	5202
27.5	5127

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CANDELA TABULATION - (Cont.)

30.0	5037
32.5	4932
35.0	4814
37.5	4681
40.0	4533
42.5	4373
45.0	4203
47.5	4007
50.0	3795
52.5	3576
55.0	3342
57.5	3092
60.0	2821
62.5	2526
65.0	2024
67.5	1634
70.0	1259
72.5	859
75.0	604
77.5	409
80.0	275
82.5	160
85.0	77
87.5	27
90.0	0

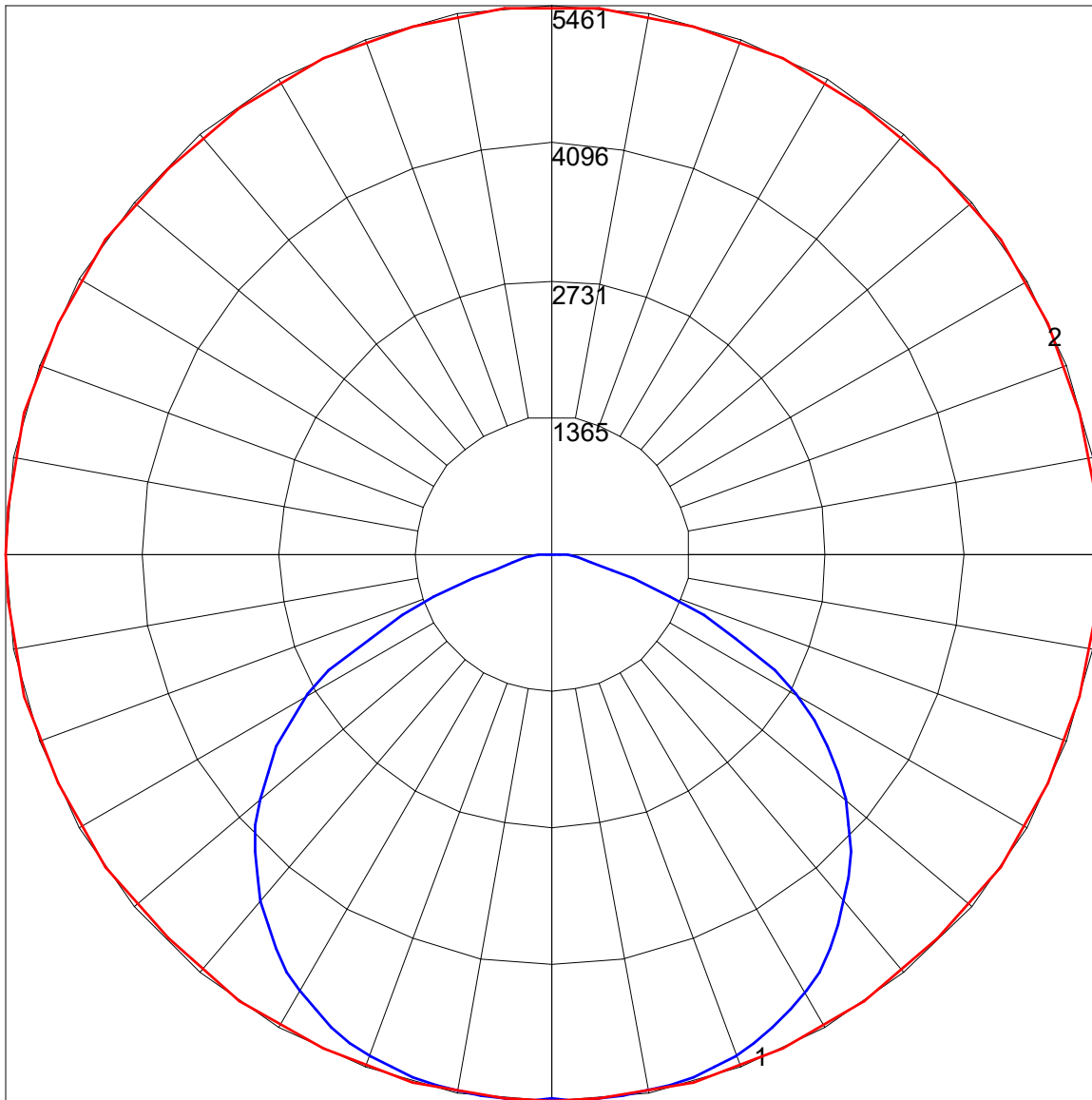
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

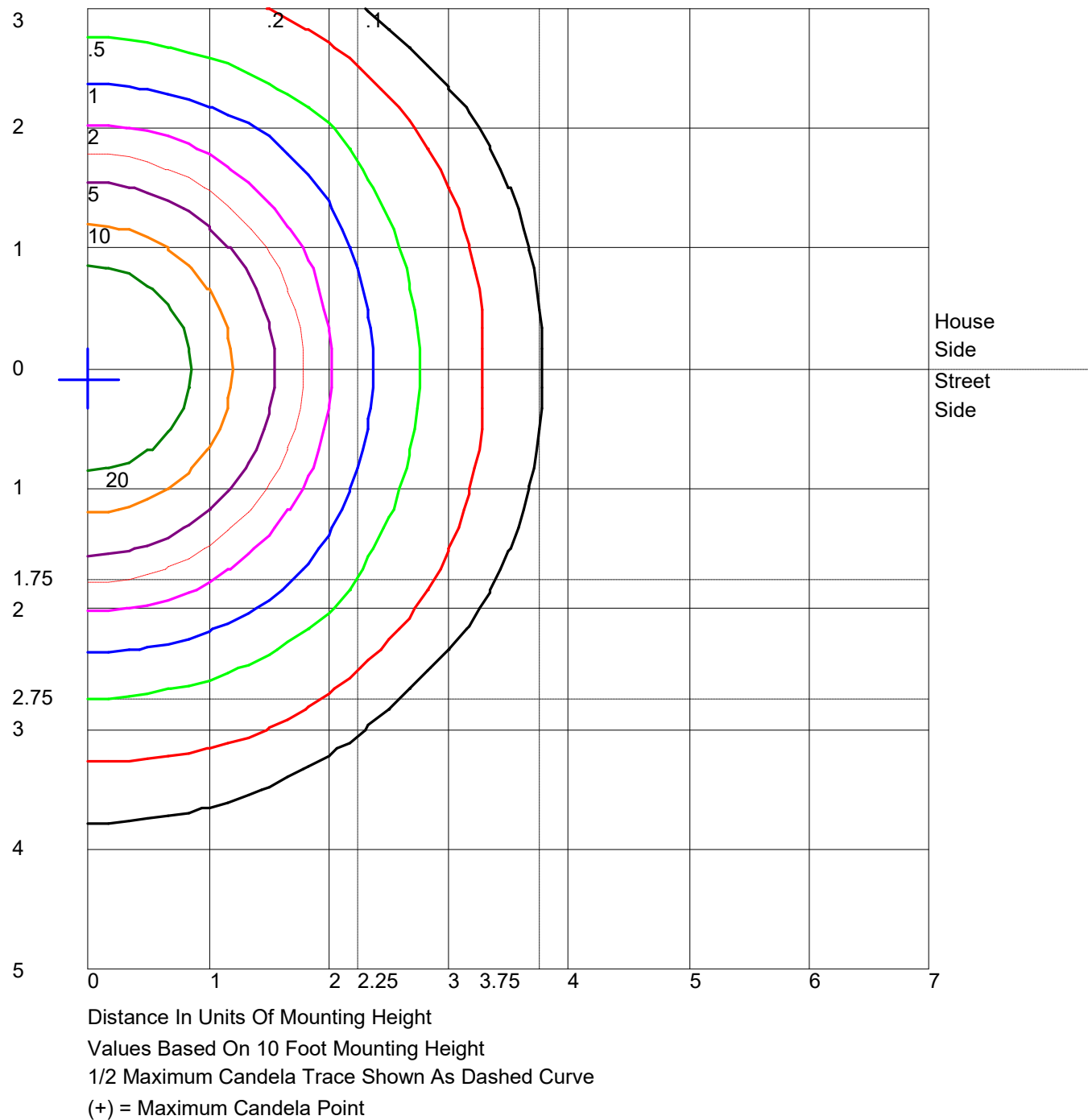
	Lumens	Percent Of Luminaire
Downward Street Side	8280.5	50.0
Downward House Side	8280.5	50.0
Downward Total	16561.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	16561.0	100.0

POLAR GRAPH

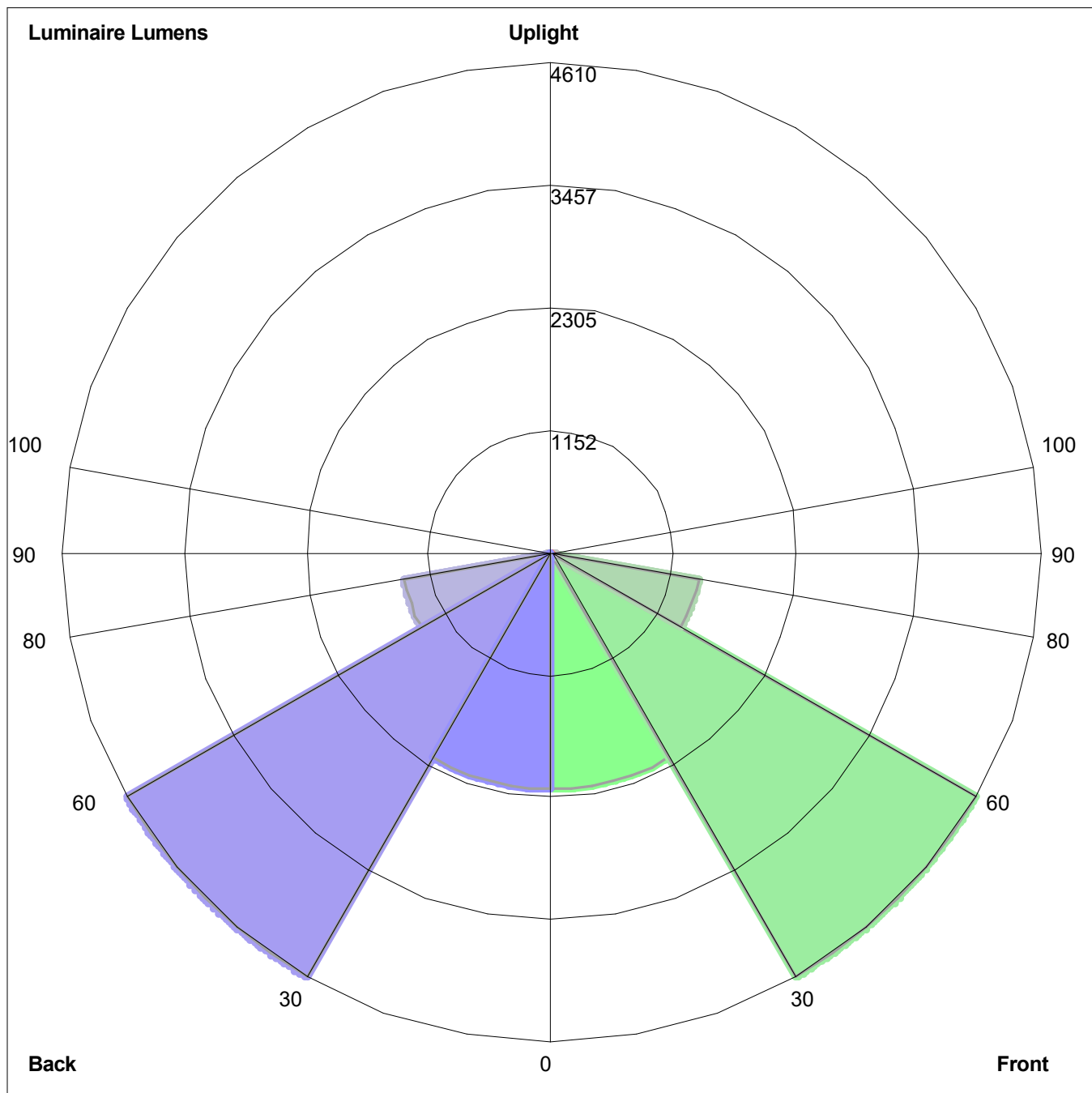


Maximum Candela = 5461 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2220.8, Medium=4609.9, High=1408.1, Very High=41.8
Back: Low=2220.8, Medium=4609.9, High=1408.1, Very High=41.8
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1