



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-10L-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
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] HPG-10L-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLORTEMP] 4000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11021
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	79
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3634
Maximum Candela Angle	0H 5V
Maximum Candela (<90 Degrees Vertical)	3634
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	186 (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)	1477.9	N.A.	13.4
FM - Front-Medium (30-60)	3067.8	N.A.	27.8
FH - Front-High (60-80)	937.1	N.A.	8.5
FVH - Front-Very High (80-90)	27.8	N.A.	0.3
BL - Back-Low (0-30)	1477.9	N.A.	13.4
BM - Back-Medium (30-60)	3067.8	N.A.	27.8
BH - Back-High (60-80)	937.1	N.A.	8.5
BVH - Back-Very High (80-90)	27.8	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	11021.2	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	3618	3618	3618	3618	3618	3618	3618	3618	3618	3618
2.5	3634	3630	3628	3624	3623	3620	3621	3622	3627	3627
5.0	3634	3631	3629	3625	3624	3620	3622	3623	3628	3628
7.5	3629	3628	3625	3621	3620	3616	3617	3619	3624	3624
10.0	3621	3619	3616	3612	3611	3608	3609	3610	3615	3615
12.5	3609	3607	3604	3600	3598	3596	3597	3598	3603	3603
15.0	3592	3590	3588	3584	3582	3580	3580	3582	3586	3587
17.5	3571	3569	3566	3563	3561	3559	3559	3560	3565	3566
20.0	3544	3542	3539	3536	3535	3533	3533	3533	3537	3539
22.5	3510	3508	3506	3500	3500	3500	3499	3498	3503	3505
25.0	3468	3466	3463	3457	3459	3458	3459	3457	3461	3461
27.5	3418	3415	3411	3407	3409	3409	3409	3407	3411	3410
30.0	3359	3354	3350	3348	3350	3351	3351	3349	3350	3350
32.5	3289	3285	3281	3279	3282	3281	3284	3281	3281	3282
35.0	3207	3205	3202	3201	3204	3203	3204	3203	3203	3203
37.5	3118	3115	3112	3112	3115	3115	3112	3113	3111	3113
40.0	3015	3016	3013	3015	3017	3016	3011	3013	3012	3015
42.5	2909	2907	2907	2909	2910	2907	2902	2902	2903	2909
45.0	2794	2789	2792	2794	2795	2789	2787	2787	2787	2794
47.5	2670	2665	2662	2671	2664	2665	2661	2663	2659	2664
50.0	2536	2532	2529	2531	2529	2529	2528	2530	2526	2530
52.5	2391	2387	2385	2379	2377	2380	2381	2386	2382	2381
55.0	2235	2232	2226	2218	2215	2218	2222	2226	2228	2222
57.5	2061	2063	2053	2052	2051	2051	2054	2060	2056	2056
60.0	1872	1877	1876	1876	1873	1871	1876	1881	1876	1874
62.5	1674	1683	1689	1684	1683	1680	1677	1679	1688	1682
65.0	1341	1354	1422	1481	1480	1466	1469	1471	1398	1353
67.5	1086	1084	1099	1153	1249	1253	1239	1135	1103	1094
70.0	834	834	841	882	934	1022	933	884	850	840
72.5	561	563	598	650	677	677	683	650	614	585
75.0	410	407	411	408	415	406	437	428	416	405
77.5	266	269	264	254	218	197	225	279	272	276
80.0	175	181	175	145	99	87	106	155	182	186
82.5	101	102	98	69	53	49	52	71	102	107
85.0	47	47	41	32	31	30	30	32	42	50
87.5	16	16	16	16	16	16	16	16	16	18
90.0	0	0	0	0	0	0	0	0	0	0

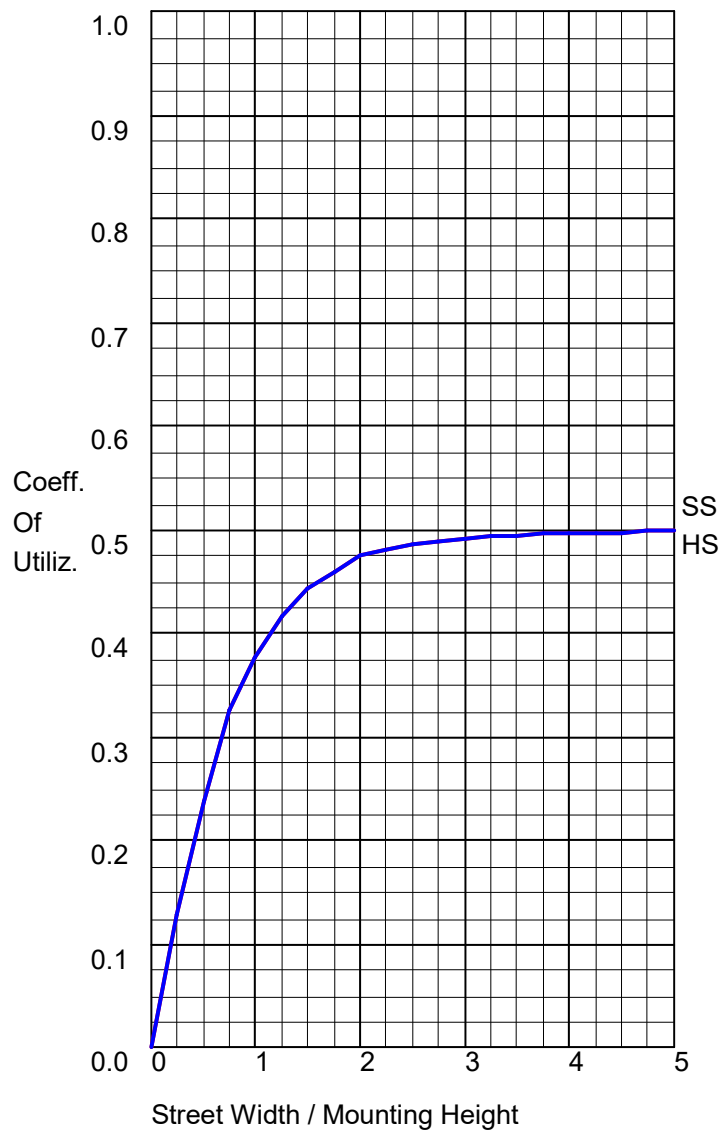
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	3618
2.5	3630
5.0	3630
7.5	3626
10.0	3618
12.5	3607
15.0	3590
17.5	3567
20.0	3539
22.5	3505
25.0	3462
27.5	3412

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CANDELA TABULATION - (Cont.)

30.0	3352
32.5	3282
35.0	3204
37.5	3115
40.0	3017
42.5	2910
45.0	2797
47.5	2667
50.0	2526
52.5	2380
55.0	2224
57.5	2058
60.0	1877
62.5	1681
65.0	1347
67.5	1087
70.0	838
72.5	571
75.0	402
77.5	272
80.0	183
82.5	106
85.0	51
87.5	18
90.0	0

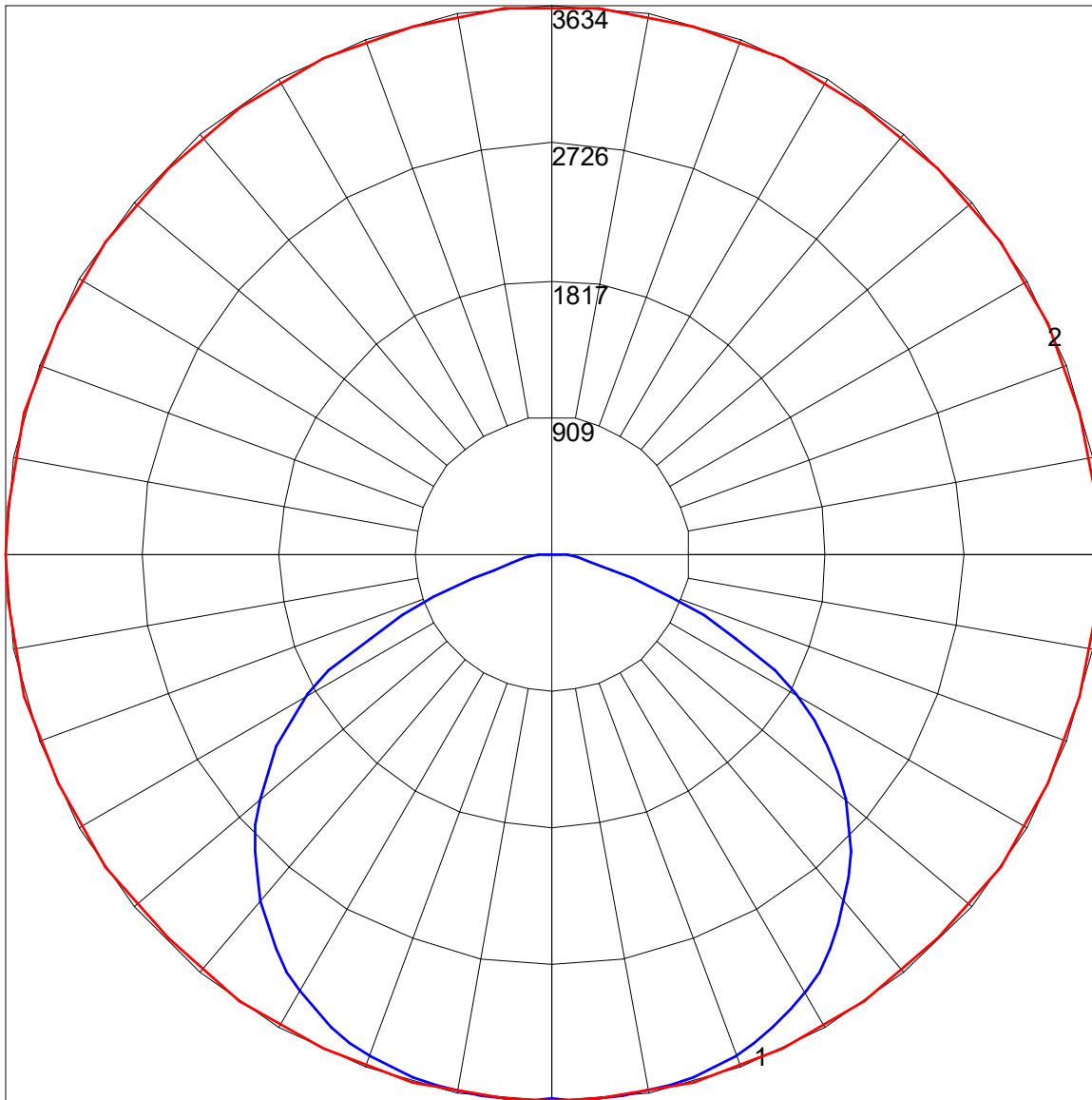
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

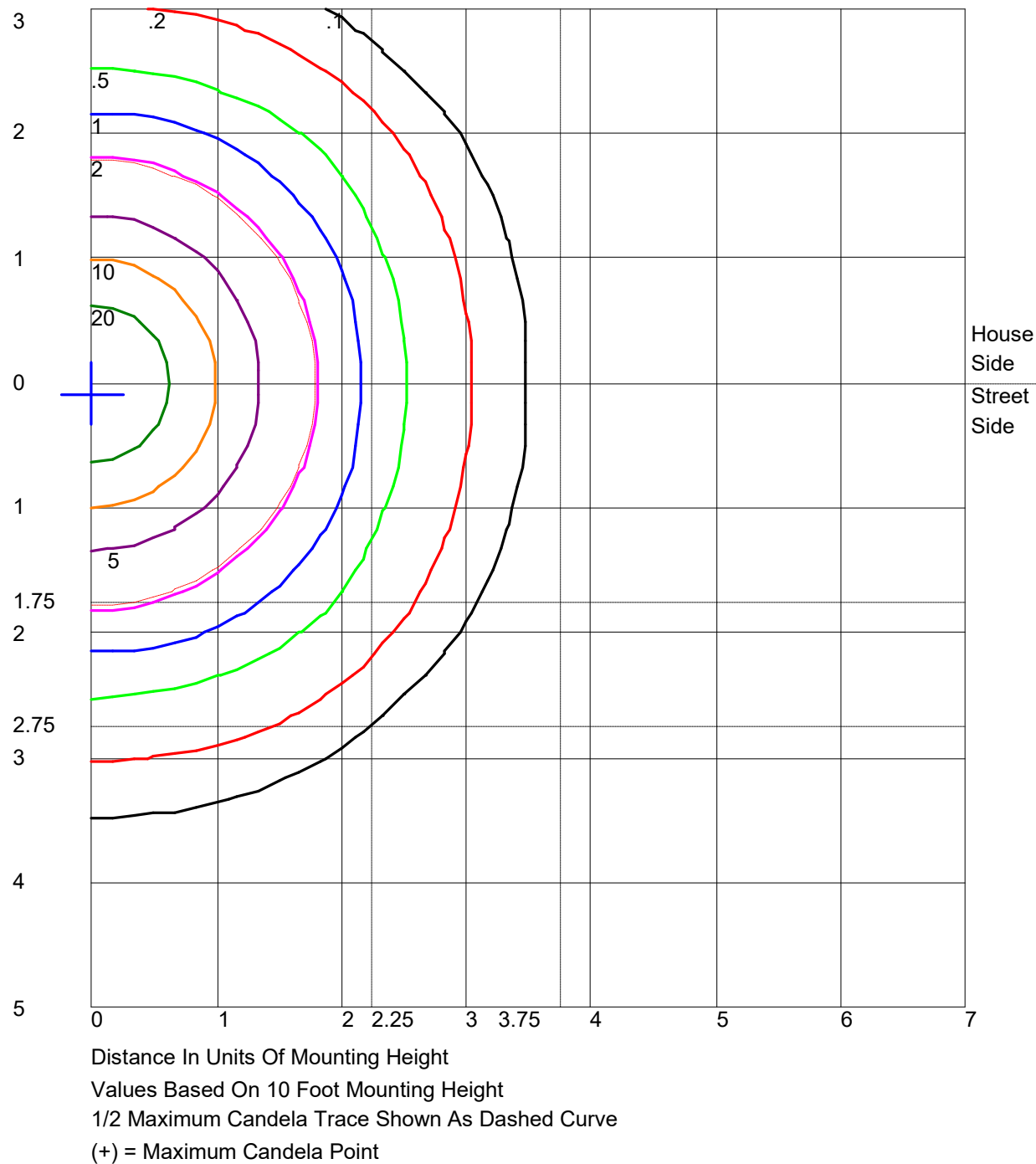
	Lumens	Percent Of Luminaire
Downward Street Side	5510.6	50.0
Downward House Side	5510.6	50.0
Downward Total	11021.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	11021.2	100.0

POLAR GRAPH

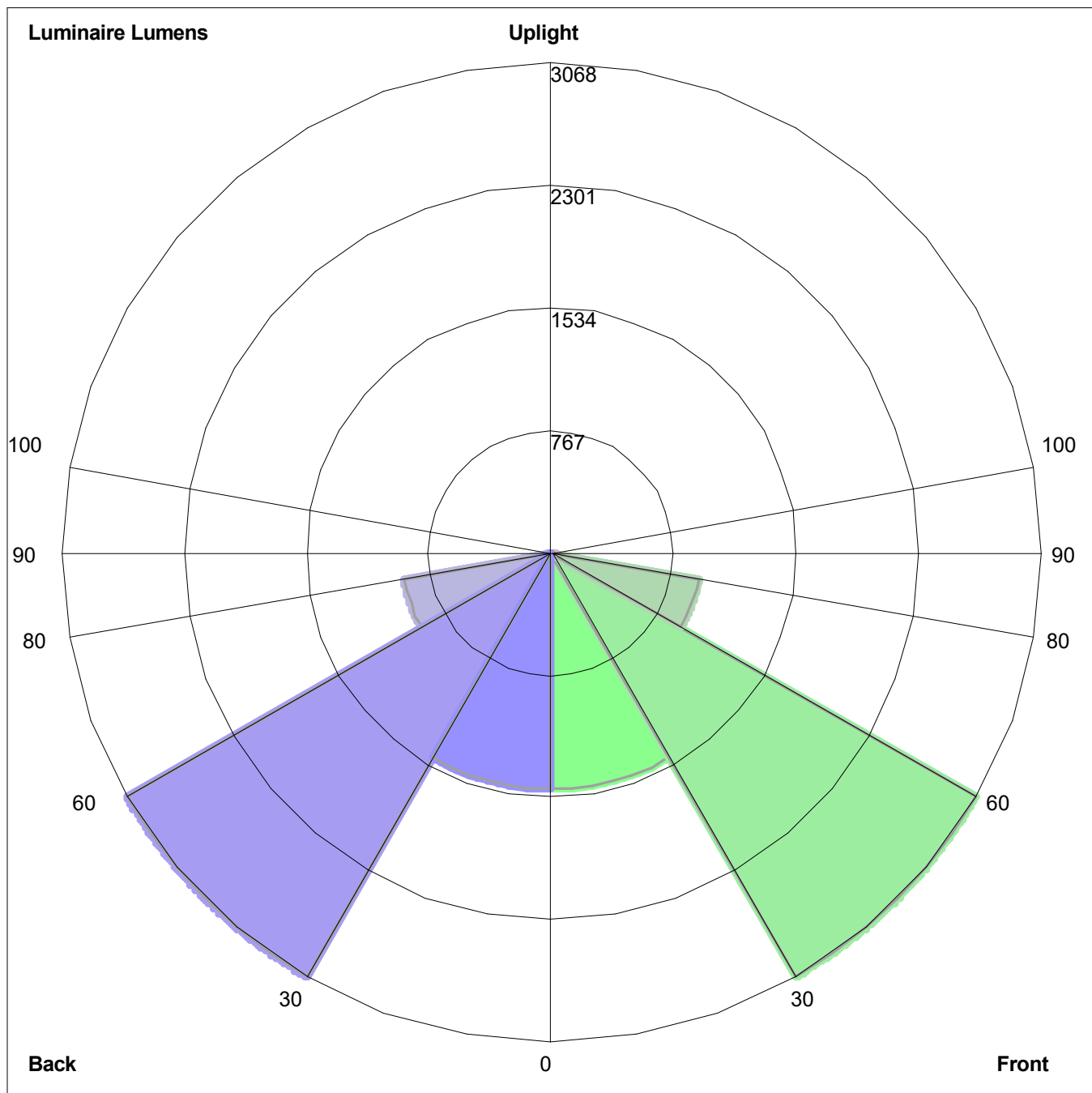


Maximum Candela = 3634 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1477.9, Medium=3067.8, High=937.1, Very High=27.8
Back: Low=1477.9, Medium=3067.8, High=937.1, Very High=27.8
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1