

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-827-RDB-XXX-DIM-UNV-M-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-W_(V22)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L70-827-RDB-xxx-DIM-UNV-M-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH MEDIUM DIST
[LAMPCAT] BL VERO 22
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6207
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12477.999
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	12477.999
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.48 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.368 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-827-RDB-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2567.3	N.A.	41.4
FM - Front-Medium (30-60)	501.3	N.A.	8.1
FH - Front-High (60-80)	33.2	N.A.	0.5
FVH - Front-Very High (80-90)	1.5	N.A.	0.0
BL - Back-Low (0-30)	2567.3	N.A.	41.4
BM - Back-Medium (30-60)	501.3	N.A.	8.1
BH - Back-High (60-80)	33.2	N.A.	0.5
BVH - Back-Very High (80-90)	1.5	N.A.	0.0
UL - Uplight-Low (90-100)	0.5	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	6207.1	N.A.	100.0
BUG Rating	B4-U1-G0		

IES ROAD REPORT
PHOTOMETRIC FILENAME : W6CR-XX-L70-827-RDB-XXX-DIM-UNV-M-XXX_.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	11743.648	11743.648	11743.648	11743.648	11743.648
1	11738.037	11749.823	11771.937	11795.552	11802.708
2	11680.438	11714.838	11804.564	11889.430	11918.490
3	11589.689	11666.773	11862.831	12034.084	12092.205
4	11461.891	11598.117	11921.932	12185.164	12282.567
5	11314.211	11512.439	11954.059	12293.311	12426.492
6	11140.246	11394.716	11934.804	12318.220	12477.999
7	10939.703	11231.870	11835.523	12244.849	12407.716
8	10708.848	11022.774	11651.315	12057.178	12203.689
9	10445.908	10757.143	11374.063	11757.584	11891.808
10	10138.616	10444.468	11018.059	11361.630	11491.056
11	9792.667	10078.659	10585.180	10875.053	10991.878
12	9414.842	9659.152	10092.699	10329.354	10425.985
13	9002.031	9197.880	9562.730	9751.152	9819.620
14	8545.891	8705.504	9008.477	9145.956	9192.269
15	8055.246	8190.951	8431.465	8522.964	8557.511
16	7545.826	7659.188	7843.897	7900.244	7927.448
17	7035.007	7120.498	7262.420	7290.437	7319.018
18	6522.186	6595.703	6705.101	6709.858	6728.904
19	6028.912	6081.922	6169.624	6158.255	6166.870
20	5557.815	5597.806	5661.163	5643.723	5643.014
21	5115.235	5140.769	5188.543	5171.582	5165.762
22	4716.673	4724.121	4761.546	4743.564	4743.146
23	4363.193	4359.334	4385.682	4364.674	4371.016
24	4049.017	4041.027	4060.115	4028.385	4042.696
25	3772.391	3760.250	3767.948	3735.487	3749.047
26	3522.719	3509.973	3504.924	3474.800	3472.943
27	3291.259	3272.317	3259.362	3230.718	3226.484
28	3063.679	3044.299	3017.053	2986.971	2992.061
29	2829.507	2811.378	2780.587	2745.810	2748.209
30	2594.230	2561.623	2530.351	2492.320	2497.640
31	2329.996	2302.062	2265.346	2231.779	2223.956
32	2048.176	2024.143	1994.061	1966.419	1956.510
33	1753.693	1736.983	1720.961	1704.376	1704.334
34	1461.359	1452.033	1451.554	1455.935	1467.054
35	1182.522	1181.875	1195.852	1220.365	1239.870
36	937.064	938.920	967.250	1001.192	1021.365
37	722.522	737.313	765.268	807.826	817.944
38	563.306	568.459	602.651	631.649	640.453
39	424.785	437.177	471.974	498.865	509.483
40	335.288	346.074	369.460	388.131	394.494
41	275.895	286.326	300.178	313.884	321.874
42	235.758	242.496	251.237	261.835	262.940
43	207.761	210.494	217.378	221.905	222.907
44	187.046	188.610	192.762	194.681	194.618
45	170.481	171.608	174.278	174.758	174.716
46	156.462	157.547	159.383	159.466	159.633
47	143.862	144.947	146.407	146.532	146.783
48	132.659	133.556	134.850	135.142	135.371
49	122.562	123.209	124.544	124.857	125.066
50	113.320	113.842	115.135	115.615	115.740
51	104.976	105.393	106.707	107.250	107.417
52	97.507	97.904	99.093	99.698	99.781

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-827-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	90.832	91.207	92.355	93.022	93.064
54	84.907	85.262	86.284	86.826	86.847
55	79.504	79.712	80.714	81.152	81.235
56	74.330	74.518	75.436	75.811	75.895
57	69.594	69.782	70.533	70.825	70.950
58	65.443	65.610	66.257	66.444	66.549
59	61.646	61.771	62.314	62.439	62.502
60	58.225	58.267	58.746	58.809	58.851
61	55.096	55.075	55.471	55.492	55.471
62	52.154	52.112	52.446	52.425	52.363
63	49.400	49.359	49.630	49.567	49.484
64	46.814	46.709	46.960	46.855	46.751
65	44.310	44.206	44.394	44.248	44.122
66	41.807	41.744	41.848	41.723	41.577
67	39.429	39.366	39.408	39.262	39.157
68	37.113	37.029	37.071	36.863	36.737
69	34.818	34.714	34.714	34.463	34.359
70	32.502	32.377	32.356	32.148	31.981
71	30.249	30.103	30.041	29.832	29.686
72	27.996	27.809	27.746	27.537	27.391
73	25.702	25.535	25.472	25.263	25.097
74	23.428	23.302	23.219	23.010	22.906
75	21.216	21.112	21.008	20.841	20.757
76	19.026	18.942	18.817	18.692	18.650
77	16.856	16.814	16.731	16.606	16.564
78	14.707	14.645	14.624	14.541	14.541
79	12.538	12.517	12.517	12.496	12.475
80	10.327	10.327	10.347	10.368	10.347
81	7.886	7.907	7.865	7.865	7.823
82	4.548	4.506	4.652	4.652	4.715
83	1.982	2.003	2.337	2.524	2.670
84	1.836	1.836	1.836	1.836	1.815
85	1.690	1.690	1.690	1.669	1.648
86	1.523	1.502	1.502	1.481	1.481
87	1.273	1.273	1.273	1.252	1.252
88	1.001	1.001	1.001	1.001	0.980
89	0.688	0.688	0.688	0.668	0.668
90	0.396	0.438	0.459	0.480	0.459
91	0.396	0.396	0.396	0.396	0.376
92	0.417	0.417	0.417	0.396	0.396
93	0.417	0.417	0.417	0.396	0.396
94	0.417	0.417	0.417	0.417	0.396
95	0.438	0.417	0.438	0.417	0.396
96	0.438	0.438	0.438	0.417	0.438
97	0.459	0.438	0.438	0.417	0.438
98	0.480	0.438	0.459	0.417	0.438
99	0.480	0.438	0.459	0.438	0.438
100	0.480	0.459	0.459	0.438	0.438
101	0.000	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000
106	0.000	0.000	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000

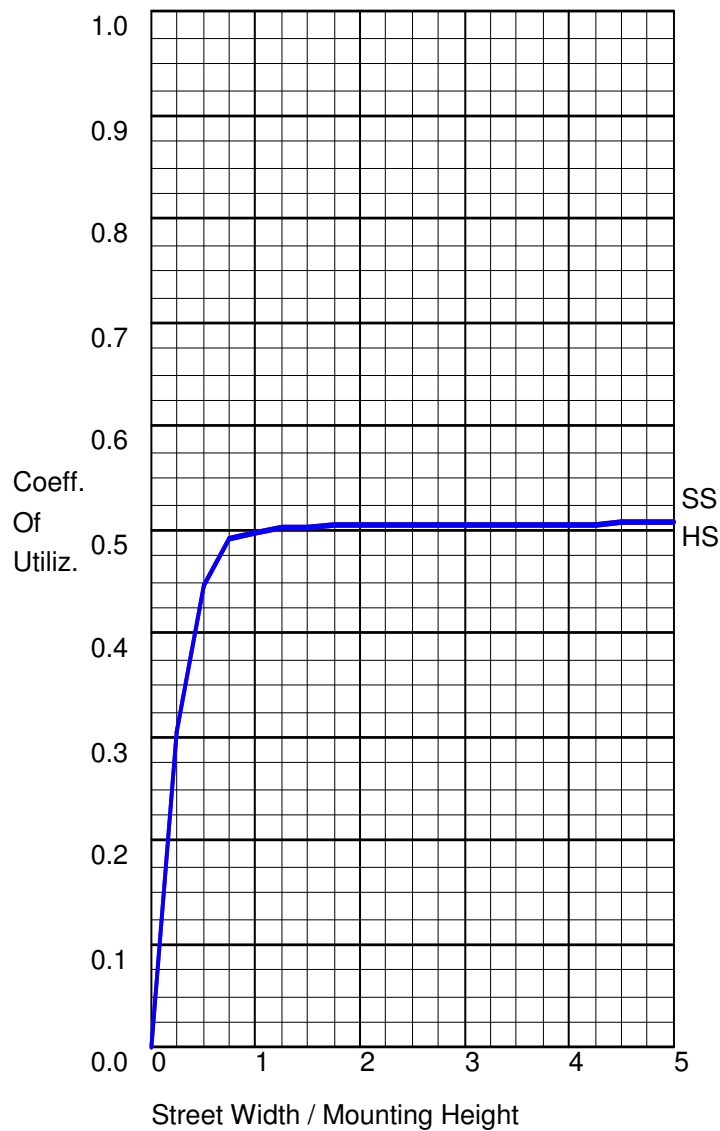
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-827-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000
124	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000
127	0.000	0.000	0.000	0.000	0.000
128	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000
131	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000
133	0.000	0.000	0.000	0.000	0.000
134	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000
136	0.000	0.000	0.000	0.000	0.000
137	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000
139	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000
142	0.000	0.000	0.000	0.000	0.000
143	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000
146	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000
148	0.000	0.000	0.000	0.000	0.000
149	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000
151	0.000	0.000	0.000	0.000	0.000
152	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000
154	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000
157	0.000	0.000	0.000	0.000	0.000
158	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000
161	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000
163	0.000	0.000	0.000	0.000	0.000
164	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-827-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

165	0.000	0.000	0.000	0.000	0.000
166	0.000	0.000	0.000	0.000	0.000
167	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000
169	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000
172	0.000	0.000	0.000	0.000	0.000
173	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

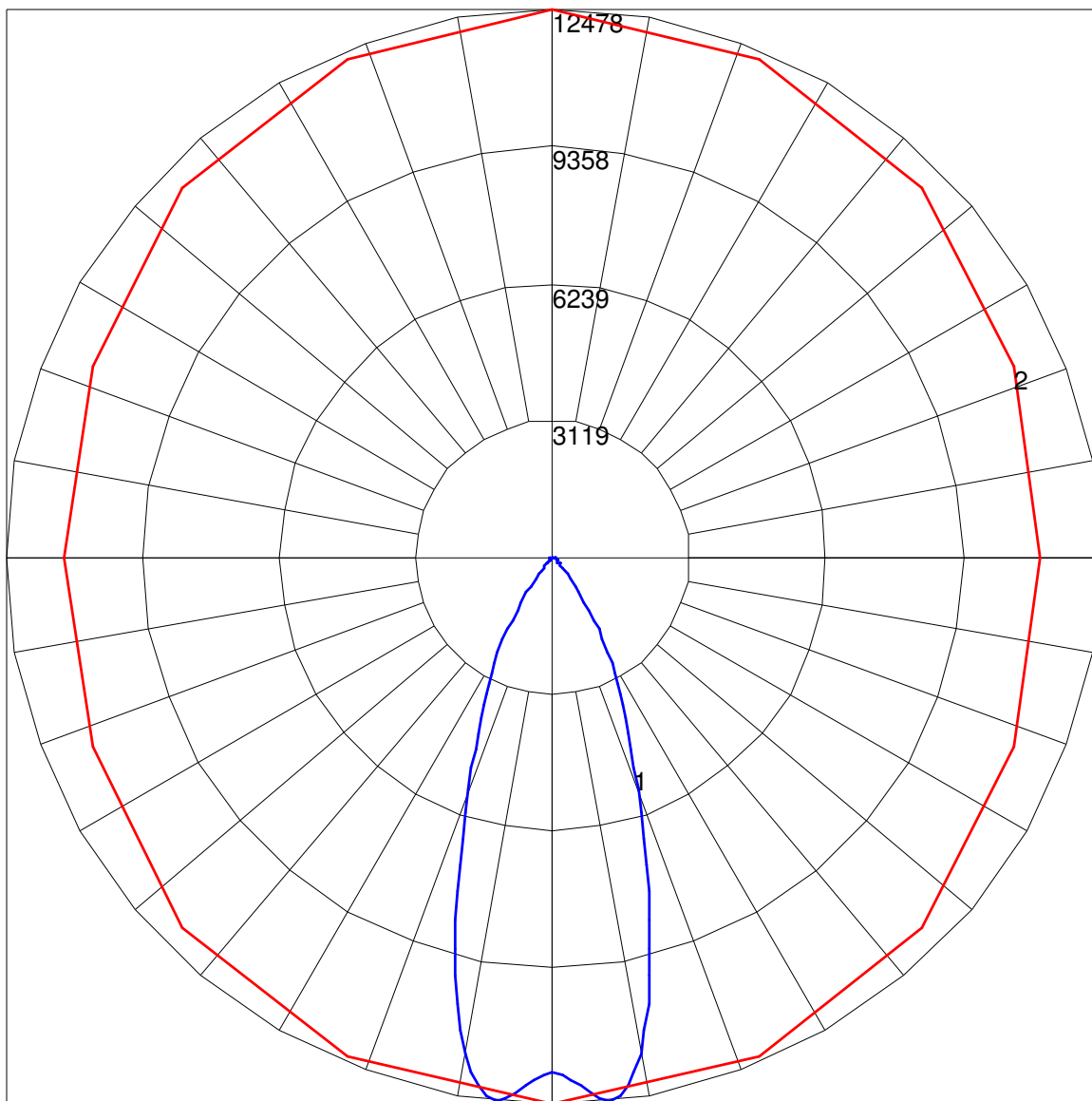
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

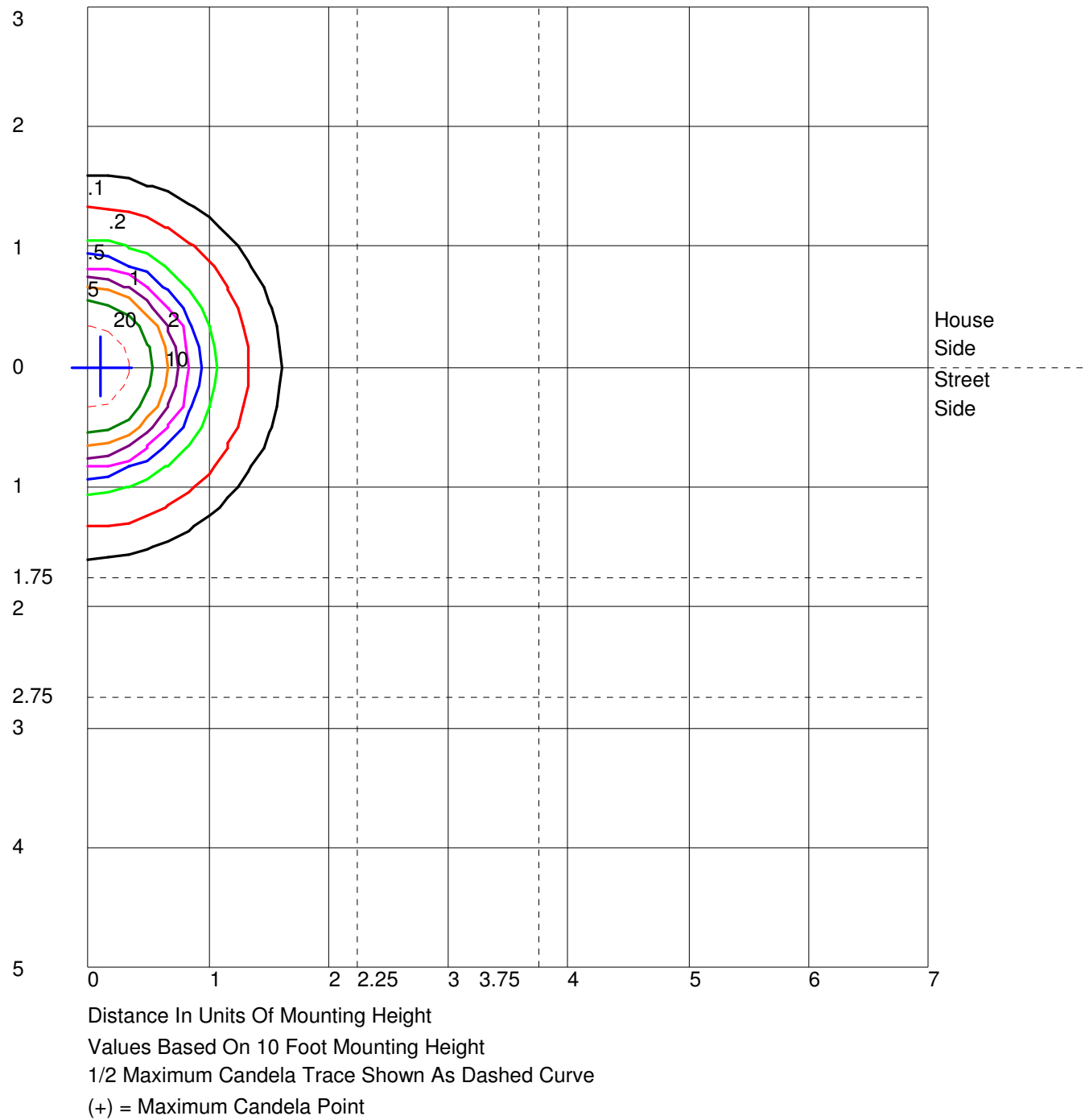
	Lumens	Percent Of Luminaire
Downward Street Side	3103.4	50.0
Downward House Side	3103.4	50.0
Downward Total	6206.8	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	6207.2	100.0

POLAR GRAPH

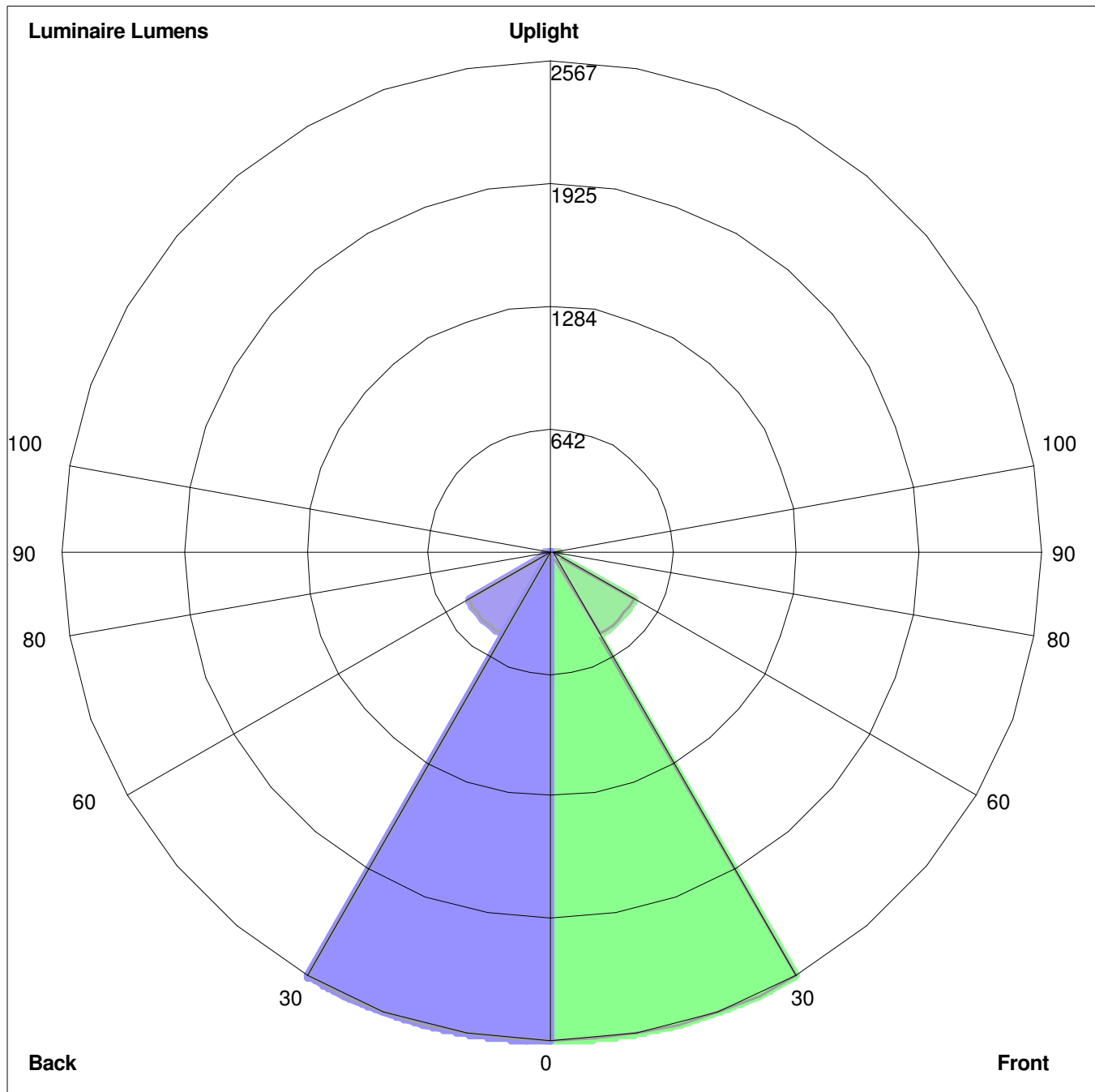


Maximum Candela = 12477.999 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2567.3, Medium=501.3, High=33.2, Very High=1.5
Back: Low=2567.3, Medium=501.3, High=33.2, Very High=1.5
Uplight: Low=0.5, High=0.0

BUG Rating : B4-U1-G0