

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-940-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-L70-940-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	6144
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12350.67
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	12350.67
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.475 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.262 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-940-RDB-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2541.1	N.A.	41.4
FM - Front-Medium (30-60)	496.2	N.A.	8.1
FH - Front-High (60-80)	32.9	N.A.	0.5
FVH - Front-Very High (80-90)	1.5	N.A.	0.0
BL - Back-Low (0-30)	2541.1	N.A.	41.4
BM - Back-Medium (30-60)	496.2	N.A.	8.1
BH - Back-High (60-80)	32.9	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	6143.9	N.A.	100.0
BUG Rating	B4-U1-G0		

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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	11623.812	11623.812	11623.812	11623.812	11623.812
1	11618.258	11629.924	11651.812	11675.186	11682.269
2	11561.247	11595.296	11684.107	11768.106	11796.870
3	11471.424	11547.722	11741.779	11911.284	11968.812
4	11344.930	11479.766	11800.277	12060.823	12157.232
5	11198.757	11394.962	11832.076	12167.866	12299.688
6	11026.567	11278.441	11813.017	12192.521	12350.670
7	10828.071	11117.257	11714.749	12119.899	12281.104
8	10599.571	110910.294	11532.421	11934.143	12079.159
9	10339.314	10647.373	11257.999	11637.606	11770.460
10	10035.158	10337.889	10905.627	11245.692	11373.797
11	9692.739	9975.813	10477.165	10764.080	10879.713
12	9318.769	9560.587	9989.710	10223.950	10319.595
13	8910.172	9104.022	9465.149	9651.648	9719.417
14	8458.686	8616.670	8916.552	9052.627	9098.468
15	7973.048	8107.368	8345.428	8435.993	8470.188
16	7468.825	7581.031	7763.855	7819.627	7846.553
17	6963.220	7047.838	7188.312	7216.043	7244.332
18	6455.632	6528.398	6636.680	6641.388	6660.240
19	5967.391	6019.860	6106.667	6095.414	6103.942
20	5501.101	5540.685	5603.395	5586.132	5585.430
21	5063.037	5088.311	5135.597	5118.810	5113.049
22	4668.542	4675.914	4712.958	4695.159	4694.746
23	4318.670	4314.850	4340.929	4320.136	4326.413
24	4007.699	3999.791	4018.684	3987.278	4001.443
25	3733.896	3721.879	3729.498	3697.369	3710.791
26	3486.772	3474.156	3469.159	3439.342	3437.504
27	3257.674	3238.925	3226.102	3197.751	3193.559
28	3032.416	3013.234	2986.266	2956.491	2961.529
29	2800.634	2782.690	2752.213	2717.791	2720.166
30	2567.757	2535.483	2504.531	2466.888	2472.153
31	2306.220	2278.571	2242.229	2209.005	2201.262
32	2027.276	2003.488	1973.713	1946.353	1936.545
33	1735.798	1719.258	1703.400	1686.984	1686.943
34	1446.446	1437.216	1436.741	1441.078	1452.083
35	1170.455	1169.815	1183.649	1207.912	1227.218
36	927.501	929.339	957.380	990.976	1010.943
37	715.150	729.789	757.459	799.582	809.597
38	557.558	562.658	596.502	625.203	633.917
39	420.450	432.716	467.158	493.774	504.284
40	331.867	342.542	365.690	384.170	390.468
41	273.080	283.404	297.115	310.681	318.590
42	233.352	240.021	248.673	259.163	260.257
43	205.641	208.346	215.160	219.641	220.632
44	185.137	186.686	190.795	192.694	192.632
45	168.742	169.857	172.500	172.975	172.933
46	154.866	155.940	157.757	157.839	158.004
47	142.394	143.468	144.913	145.037	145.285
48	131.306	132.193	133.474	133.763	133.990
49	121.312	121.952	123.273	123.583	123.789
50	112.164	112.680	113.961	114.435	114.559
51	103.905	104.318	105.618	106.155	106.321
52	96.512	96.905	98.082	98.680	98.763

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-940-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	89.905	90.276	91.412	92.073	92.114
54	84.040	84.392	85.403	85.940	85.961
55	78.692	78.899	79.890	80.324	80.406
56	73.572	73.757	74.666	75.038	75.120
57	68.884	69.070	69.813	70.103	70.226
58	64.775	64.940	65.580	65.766	65.870
59	61.017	61.141	61.678	61.802	61.864
60	57.631	57.672	58.147	58.209	58.250
61	54.533	54.513	54.905	54.926	54.905
62	51.622	51.581	51.911	51.890	51.828
63	48.896	48.855	49.123	49.061	48.979
64	46.336	46.233	46.480	46.377	46.274
65	43.858	43.755	43.941	43.796	43.672
66	41.380	41.318	41.421	41.298	41.153
67	39.026	38.964	39.006	38.861	38.758
68	36.734	36.652	36.693	36.486	36.362
69	34.463	34.360	34.360	34.112	34.009
70	32.171	32.047	32.026	31.820	31.655
71	29.941	29.796	29.734	29.528	29.383
72	27.711	27.525	27.463	27.256	27.112
73	25.439	25.274	25.212	25.006	24.840
74	23.189	23.065	22.982	22.776	22.672
75	21.000	20.897	20.793	20.628	20.546
76	18.832	18.749	18.625	18.501	18.460
77	16.684	16.643	16.560	16.436	16.395
78	14.557	14.495	14.475	14.392	14.392
79	12.410	12.389	12.389	12.369	12.348
80	10.221	10.221	10.242	10.262	10.242
81	7.805	7.826	7.785	7.785	7.743
82	4.501	4.460	4.605	4.605	4.667
83	1.962	1.982	2.313	2.499	2.643
84	1.817	1.817	1.817	1.817	1.796
85	1.673	1.673	1.673	1.652	1.631
86	1.507	1.487	1.487	1.466	1.466
87	1.260	1.260	1.260	1.239	1.239
88	0.991	0.991	0.991	0.991	0.970
89	0.681	0.681	0.681	0.661	0.661
90	0.392	0.434	0.454	0.475	0.454
91	0.392	0.392	0.392	0.392	0.372
92	0.413	0.413	0.413	0.392	0.392
93	0.413	0.413	0.413	0.392	0.392
94	0.413	0.413	0.413	0.413	0.392
95	0.434	0.413	0.434	0.413	0.392
96	0.434	0.434	0.434	0.413	0.434
97	0.454	0.434	0.434	0.413	0.434
98	0.475	0.434	0.454	0.413	0.434
99	0.475	0.434	0.454	0.434	0.434
100	0.475	0.454	0.454	0.434	0.434
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

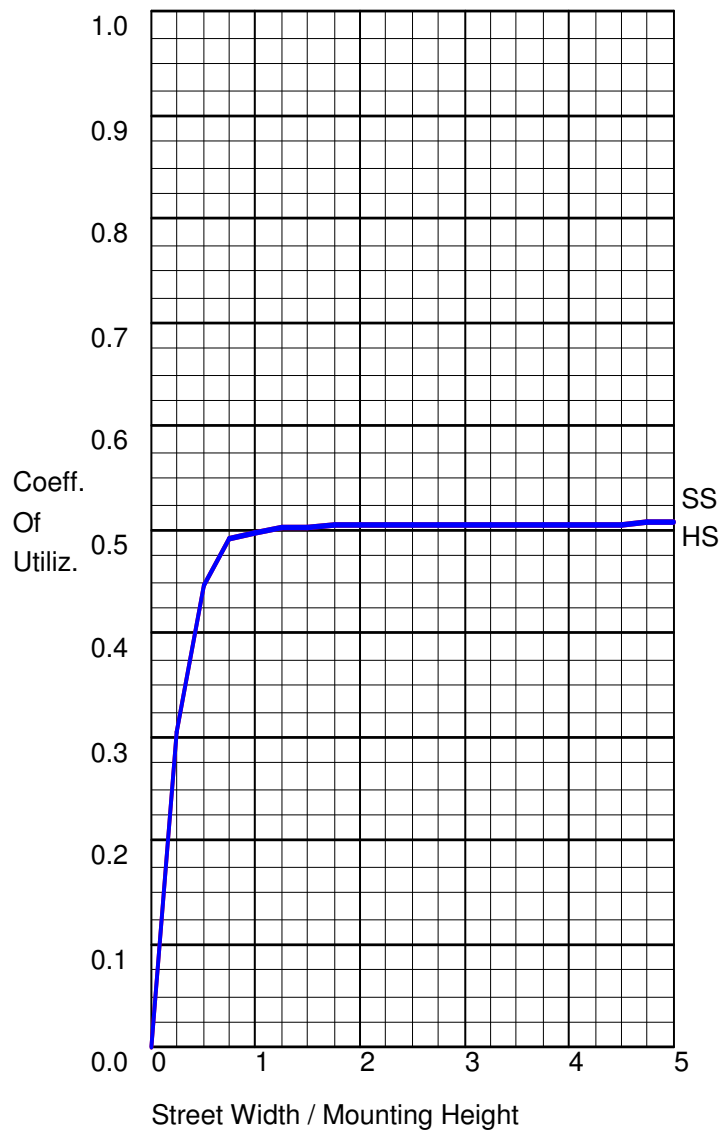
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-940-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L70-940-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

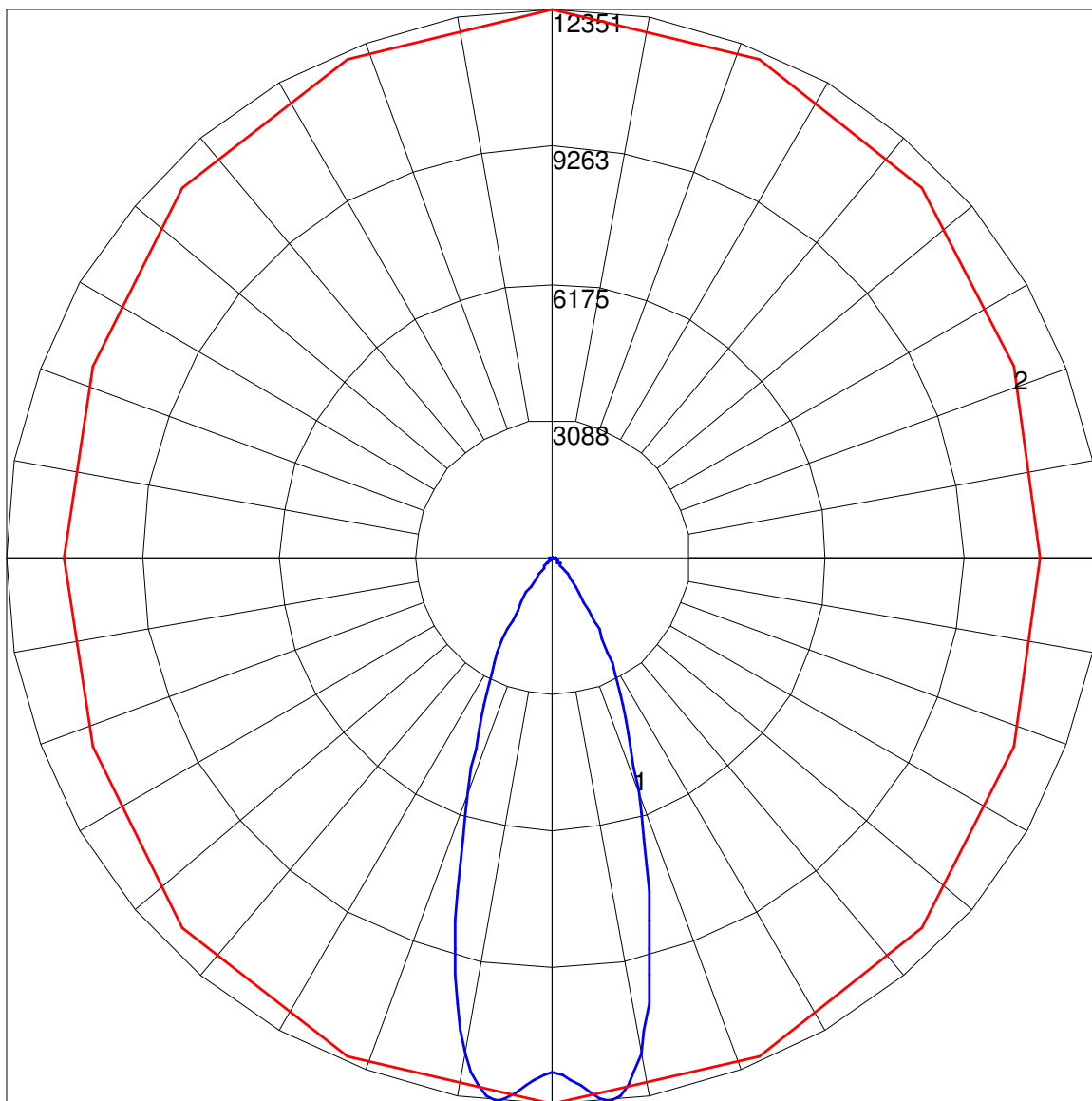
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

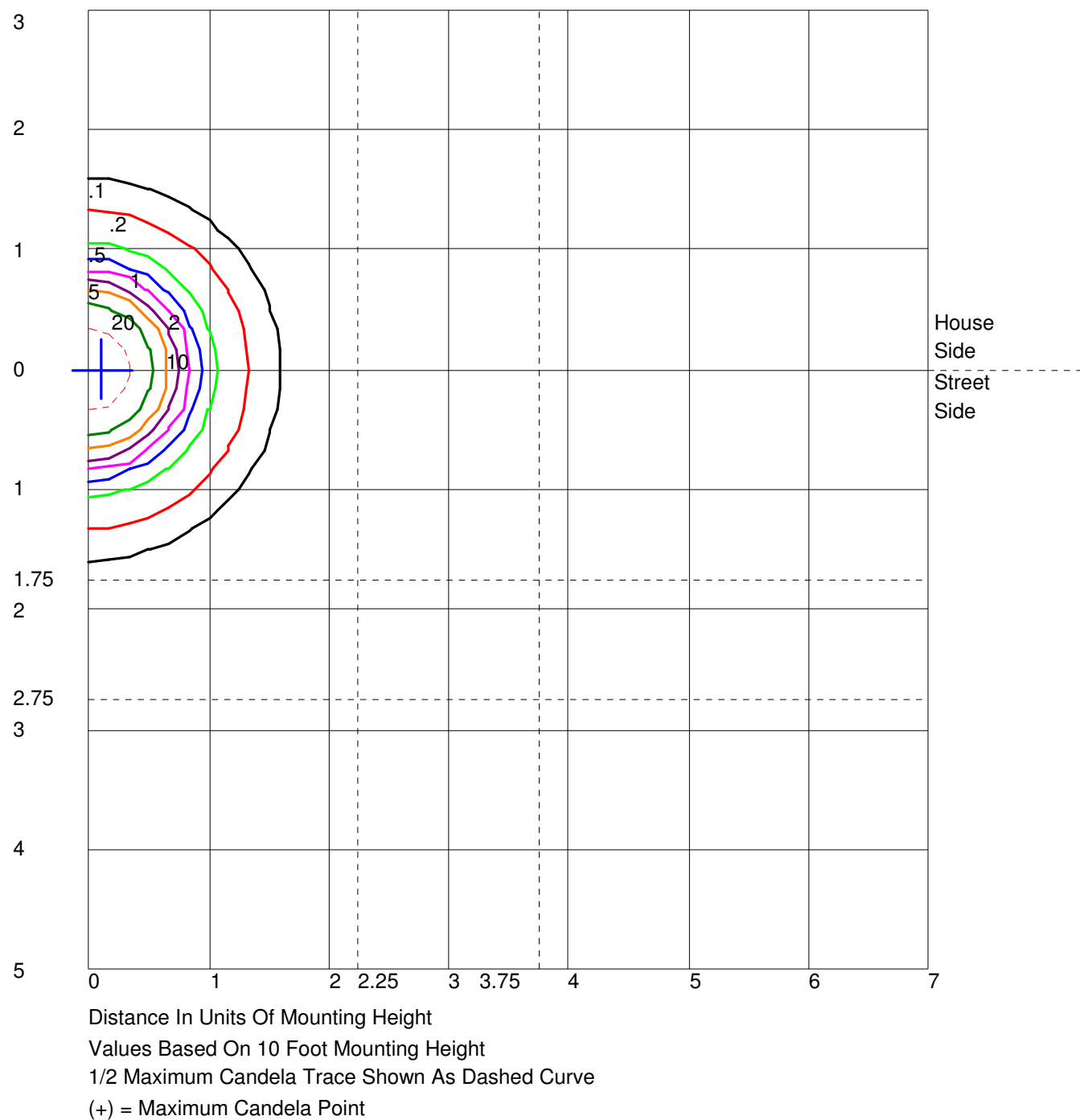
	Lumens	Percent Of Luminaire
Downward Street Side	3071.7	50.0
Downward House Side	3071.7	50.0
Downward Total	6143.4	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	6143.8	100.0

POLAR GRAPH

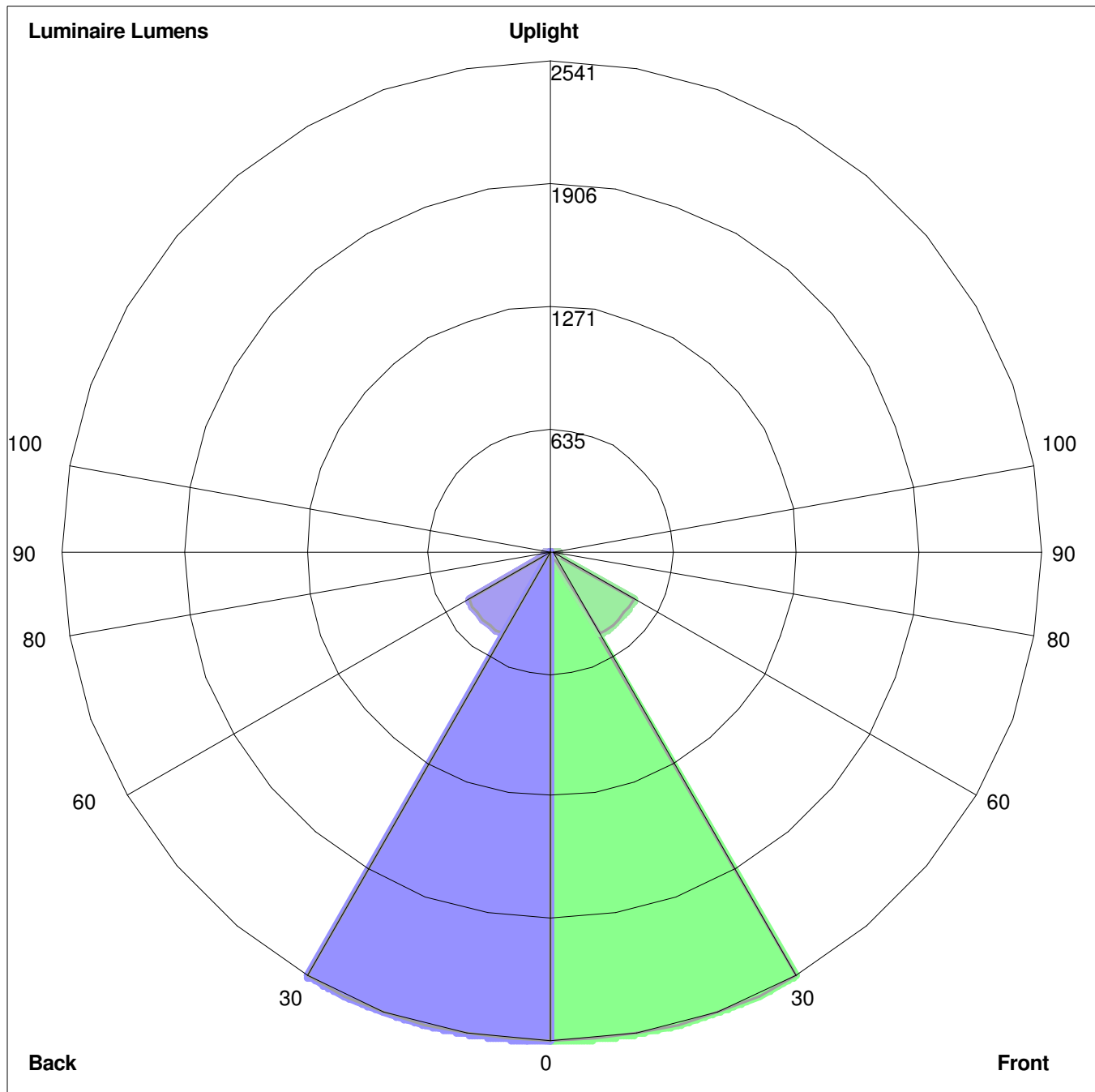


Maximum Candela = 12350.67 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2541.1, Medium=496.2, High=32.9, Very High=1.5
Back: Low=2541.1, Medium=496.2, High=32.9, Very High=1.5
Uplight: Low=0.5, High=0.0

BUG Rating : B4-U1-G0