

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-850-RDB-XXX-DIM-UNV-W-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM W6CR\_Angela-XW\_(V22)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L70-850-RDB-xxx-DIM-UNV-W-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH WIDE 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	6950
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5618.131
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	5618.131
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.924 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	35.774 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-850-RDB-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1823.7	N.A.	26.2
FM - Front-Medium (30-60)	1411.4	N.A.	20.3
FH - Front-High (60-80)	232.3	N.A.	3.3
FVH - Front-Very High (80-90)	6.5	N.A.	0.1
BL - Back-Low (0-30)	1823.7	N.A.	26.2
BM - Back-Medium (30-60)	1411.4	N.A.	20.3
BH - Back-High (60-80)	232.3	N.A.	3.3
BVH - Back-Very High (80-90)	6.5	N.A.	0.1
UL - Uplight-Low (90-100)	1.8	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	6949.7	N.A.	100.0
BUG Rating	B3-U1-G0		

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-850-RDB-XXX-DIM-UNV-W-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	5569.304	5569.304	5569.304	5569.304	5569.304
1	5574.613	5575.772	5583.122	5582.635	5580.038
2	5558.871	5565.270	5581.615	5588.709	5585.719
3	5534.851	5547.070	5582.566	5601.276	5600.557
4	5503.320	5525.183	5581.940	5616.601	5616.485
5	5460.961	5496.411	5573.013	5617.737	5618.131
6	5414.708	5457.808	5549.690	5600.348	5599.096
7	5359.319	5409.700	5507.308	5559.682	5555.764
8	5298.552	5350.463	5449.044	5501.512	5491.565
9	5228.975	5281.882	5377.218	5427.112	5415.450
10	5153.671	5207.158	5293.197	5339.937	5329.944
11	5075.700	5123.646	5195.821	5238.759	5231.270
12	4994.160	5033.249	5094.828	5129.095	5118.662
13	4912.503	4938.493	4991.377	5020.219	4999.330
14	4823.427	4844.200	4886.721	4907.333	4880.693
15	4731.917	4749.328	4782.204	4795.999	4770.566
16	4637.485	4651.906	4678.870	4686.451	4665.168
17	4540.851	4557.730	4579.570	4576.301	4563.224
18	4452.587	4465.408	4485.370	4474.867	4466.567
19	4365.713	4373.573	4389.686	4376.703	4368.820
20	4284.590	4290.062	4299.127	4291.082	4272.951
21	4206.759	4207.431	4212.764	4208.196	4186.982
22	4135.489	4127.328	4130.945	4127.768	4114.112
23	4067.001	4053.600	4057.727	4052.070	4043.028
24	4001.759	3988.961	3992.184	3979.084	3971.943
25	3940.505	3925.365	3924.206	3907.698	3895.805
26	3873.315	3861.190	3851.383	3831.328	3815.377
27	3797.548	3781.805	3764.556	3742.298	3723.681
28	3700.844	3682.690	3655.286	3625.633	3616.197
29	3575.391	3553.830	3516.873	3480.705	3472.845
30	3412.078	3384.975	3344.935	3303.110	3291.169
31	3206.870	3178.120	3135.901	3094.470	3079.307
32	2965.794	2941.149	2905.166	2868.697	2860.257
33	2695.576	2678.744	2657.066	2633.302	2641.161
34	2414.716	2407.250	2404.770	2401.014	2419.028
35	2142.666	2142.759	2156.623	2173.664	2197.822
36	1895.354	1901.266	1928.833	1957.652	1984.013
37	1678.716	1689.636	1724.343	1758.981	1784.693
38	1501.886	1516.283	1552.057	1585.791	1607.399
39	1369.547	1385.104	1416.566	1444.040	1461.590
40	1274.489	1287.403	1311.979	1331.338	1345.968
41	1207.787	1217.455	1234.449	1246.250	1256.846
42	1160.907	1165.614	1176.673	1183.327	1188.706
43	1123.580	1125.272	1132.205	1134.964	1135.056
44	1090.263	1090.681	1094.576	1094.506	1091.933
45	1059.404	1058.848	1060.703	1058.918	1055.950
46	1028.035	1027.294	1028.383	1025.671	1022.170
47	995.693	994.951	995.020	992.470	988.946
48	962.608	961.681	961.263	958.574	955.073
49	928.364	927.019	927.274	924.052	920.713
50	892.752	891.709	891.802	888.811	885.519
51	856.723	856.074	855.958	853.014	850.162
52	820.300	819.906	819.859	817.124	814.202

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-850-RDB-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	784.480	783.830	783.807	781.303	778.266
54	748.729	747.940	747.593	744.764	741.657
55	712.421	711.077	710.914	707.552	704.654
56	673.378	672.497	672.242	668.857	666.005
57	634.683	633.315	632.851	629.466	626.661
58	596.173	594.689	594.063	590.748	588.522
59	557.802	556.411	555.716	552.423	550.313
60	520.544	519.060	518.481	515.235	513.195
61	484.075	482.568	482.336	479.113	477.421
62	448.973	447.443	447.095	444.266	442.643
63	414.613	413.361	412.990	410.509	408.979
64	381.204	380.276	380.021	377.796	376.520
65	349.603	348.745	348.676	346.682	345.893
66	318.675	318.280	318.304	316.379	315.661
67	289.601	289.253	288.998	287.445	286.958
68	261.710	261.292	261.246	259.924	259.623
69	234.792	234.514	234.537	233.424	233.471
70	209.544	209.405	209.219	208.408	208.477
71	185.594	185.571	185.269	184.783	184.875
72	163.198	163.221	163.082	162.548	162.989
73	142.192	142.169	142.123	141.705	142.099
74	122.740	122.647	122.740	122.485	122.810
75	104.702	104.679	104.772	104.633	104.841
76	87.940	87.893	88.056	87.940	88.172
77	72.615	72.591	72.916	72.731	72.986
78	58.634	58.588	58.982	58.912	59.168
79	46.161	46.114	46.485	46.648	46.740
80	35.102	35.148	35.542	35.705	35.774
81	25.457	25.550	25.851	26.129	26.199
82	16.786	16.925	17.273	17.528	17.713
83	11.500	11.616	12.195	12.520	12.659
84	10.665	10.665	10.688	10.711	10.619
85	9.877	9.877	9.877	9.877	9.784
86	8.857	8.857	8.833	8.810	8.741
87	7.442	7.465	7.442	7.442	7.350
88	5.680	5.657	5.634	5.634	5.564
89	3.455	3.455	3.431	3.455	3.385
90	1.391	1.507	1.785	1.924	1.924
91	1.252	1.275	1.275	1.298	1.252
92	1.345	1.345	1.345	1.345	1.322
93	1.414	1.414	1.437	1.414	1.391
94	1.507	1.507	1.507	1.507	1.507
95	1.600	1.600	1.623	1.623	1.600
96	1.692	1.716	1.716	1.716	1.692
97	1.808	1.808	1.832	1.832	1.808
98	1.948	1.924	1.924	1.948	1.948
99	2.110	2.063	2.063	2.087	2.040
100	2.156	2.179	2.179	2.203	2.156
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

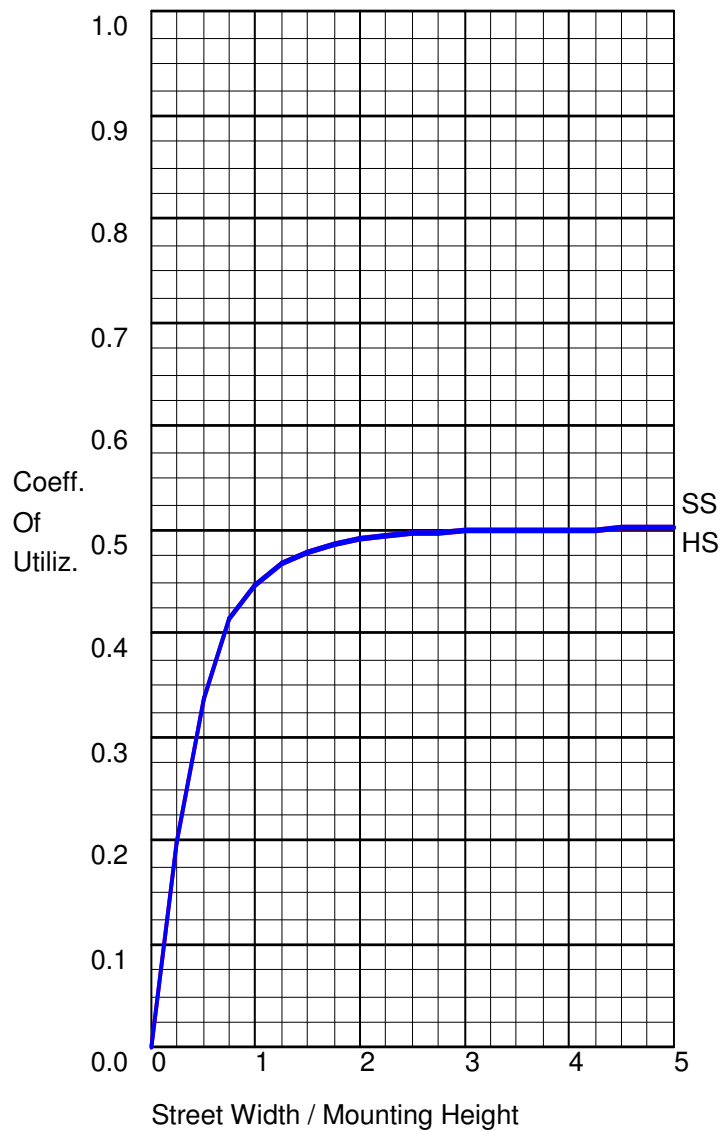
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-850-RDB-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L70-850-RDB-XXX-DIM-UNV-W-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

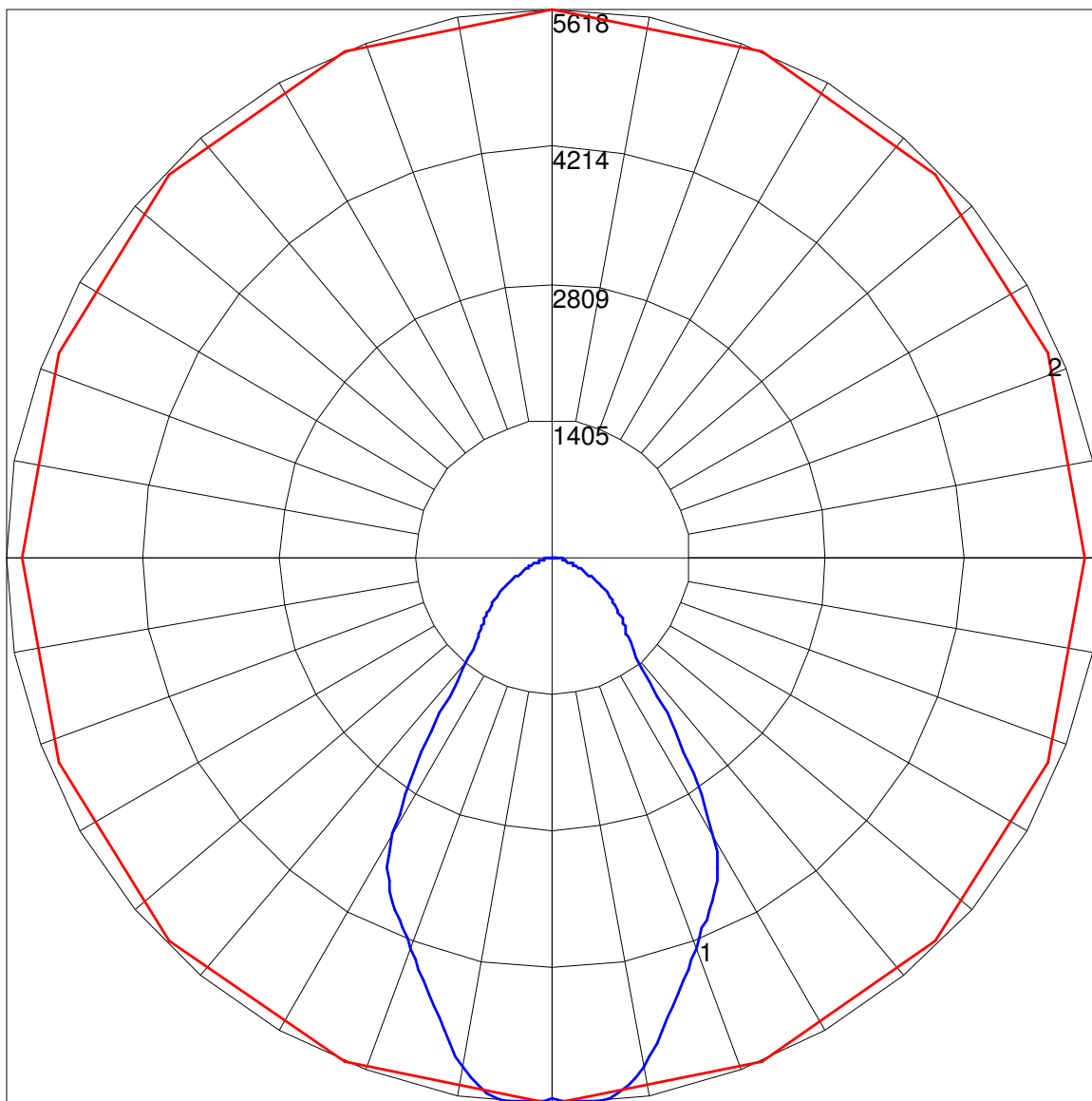
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	3474.0	50.0
Downward House Side	3474.0	50.0
Downward Total	6948.0	100.0
Upward Street Side	1.0	0.0
Upward House Side	1.0	0.0
Upward Total	2.0	0.0
Total Flux	6950.0	100.0

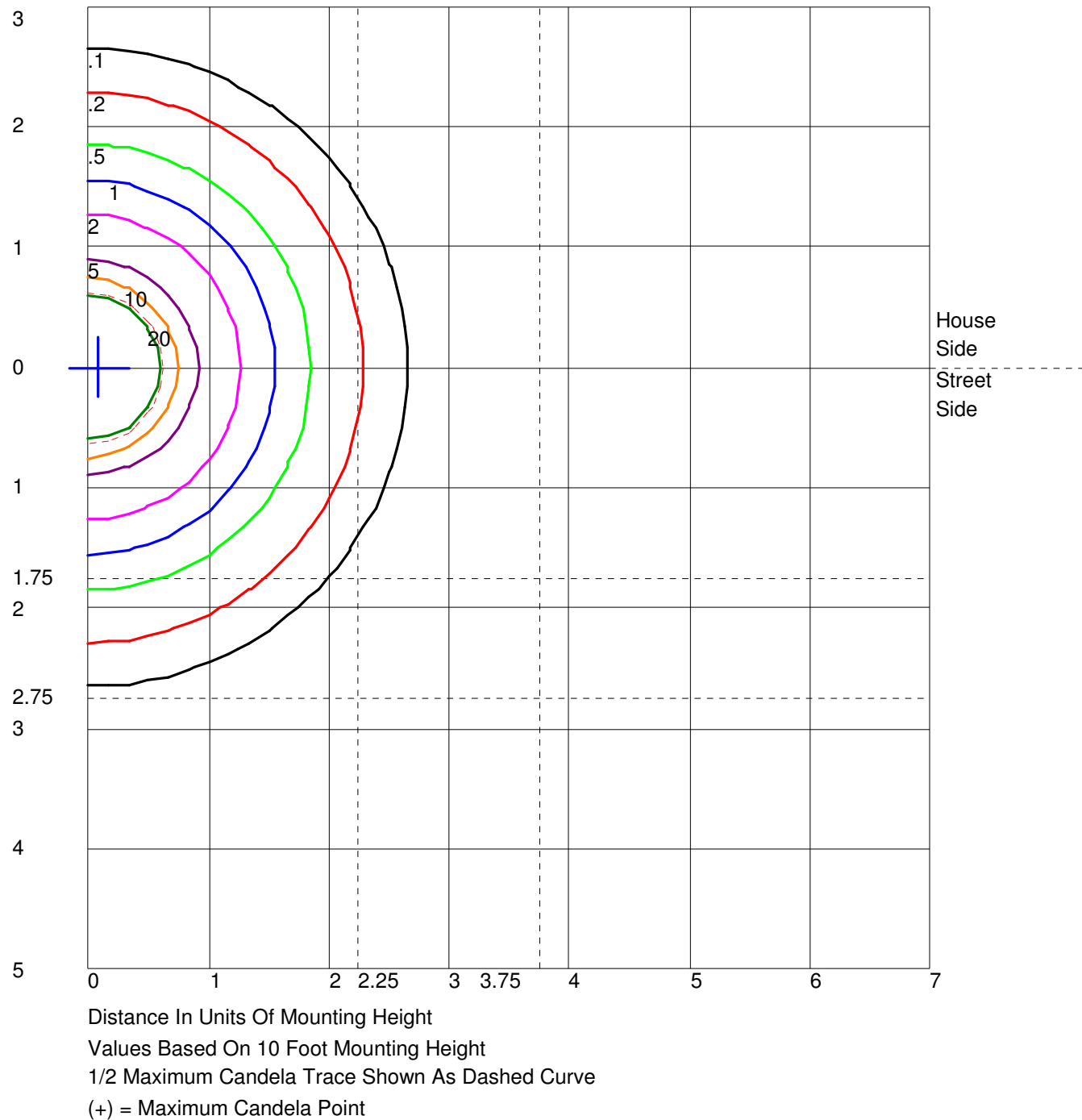
POLAR GRAPH



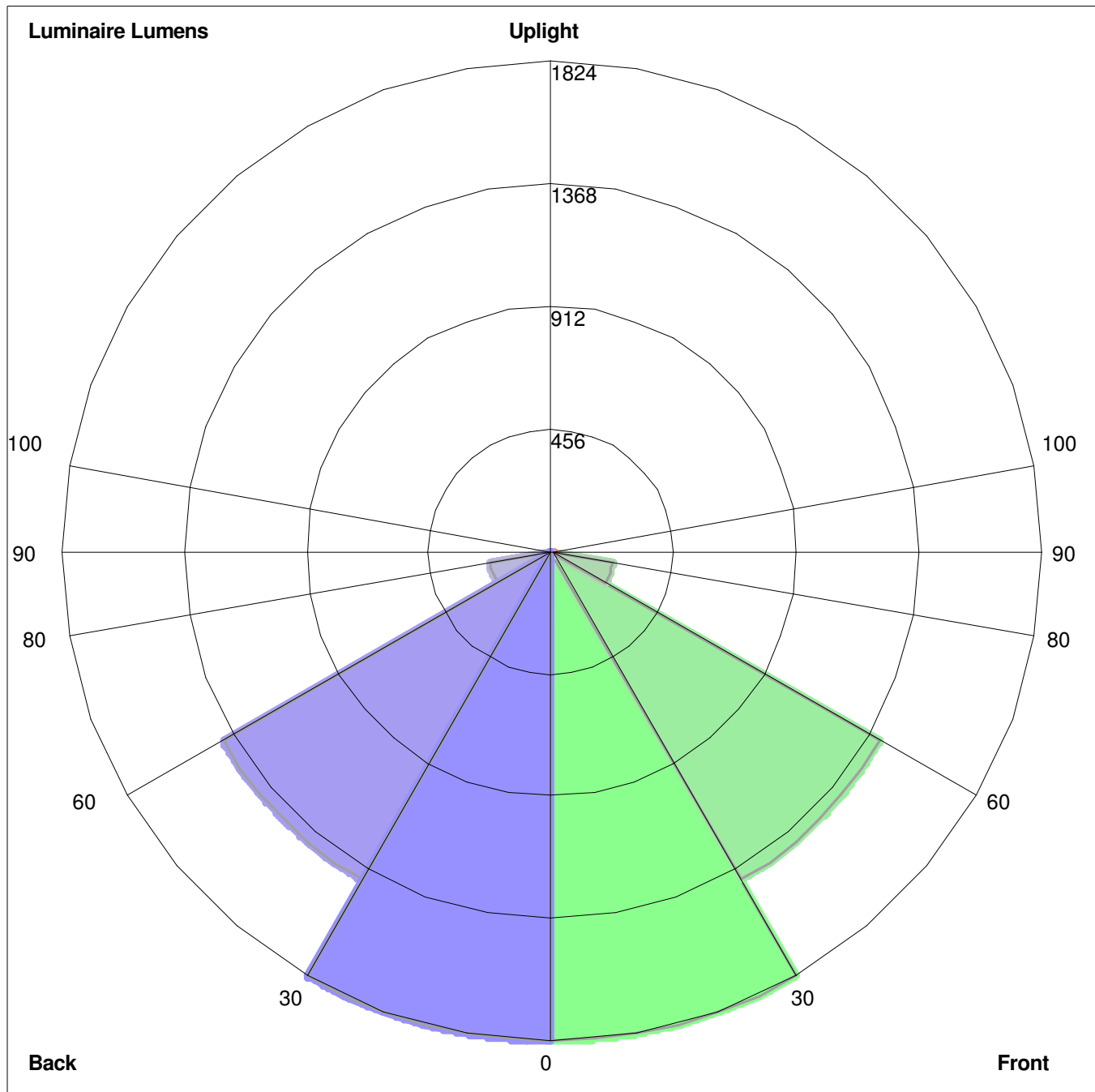
Maximum Candela = 5618.131 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1823.7, Medium=1411.4, High=232.3, Very High=6.5  
Back: Low=1823.7, Medium=1411.4, High=232.3, Very High=6.5  
Uplight: Low=1.8, High=0.1

BUG Rating : B3-U1-G0