

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-950-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-L70-950-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	6599
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5334.386
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	5334.386
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.827 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	33.967 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-950-RDB-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1731.6	N.A.	26.2
FM - Front-Medium (30-60)	1340.1	N.A.	20.3
FH - Front-High (60-80)	220.6	N.A.	3.3
FVH - Front-Very High (80-90)	6.2	N.A.	0.1
BL - Back-Low (0-30)	1731.6	N.A.	26.2
BM - Back-Medium (30-60)	1340.1	N.A.	20.3
BH - Back-High (60-80)	220.6	N.A.	3.3
BVH - Back-Very High (80-90)	6.2	N.A.	0.1
UL - Uplight-Low (90-100)	1.7	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	6598.8	N.A.	100.0
BUG Rating	B3-U1-G0		

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-950-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	5288.025	5288.025	5288.025	5288.025	5288.025
1	5293.066	5294.167	5301.146	5300.683	5298.218
2	5278.119	5284.195	5299.715	5306.451	5303.611
3	5255.313	5266.914	5300.617	5318.382	5317.700
4	5225.374	5246.133	5300.023	5332.933	5332.823
5	5185.155	5218.814	5291.547	5334.012	5334.386
6	5141.237	5182.161	5269.402	5317.502	5316.313
7	5088.646	5136.482	5229.160	5278.890	5275.169
8	5030.948	5080.237	5173.840	5223.657	5214.213
9	4964.885	5015.120	5105.641	5153.015	5141.942
10	4893.384	4944.170	5025.863	5070.243	5060.755
11	4819.351	4864.876	4933.405	4974.174	4967.064
12	4741.929	4779.044	4837.513	4870.049	4860.143
13	4664.396	4689.074	4739.287	4766.672	4746.838
14	4579.819	4599.543	4639.917	4659.487	4634.193
15	4492.931	4509.463	4540.678	4553.777	4529.628
16	4403.268	4416.961	4442.563	4449.761	4429.553
17	4311.515	4327.541	4348.278	4345.174	4332.758
18	4227.708	4239.882	4258.836	4248.863	4240.982
19	4145.222	4152.685	4167.985	4155.657	4148.172
20	4068.196	4073.391	4081.999	4074.360	4057.145
21	3994.296	3994.934	3999.997	3995.661	3975.518
22	3926.625	3918.876	3922.311	3919.295	3906.329
23	3861.596	3848.872	3852.791	3847.420	3838.834
24	3799.650	3787.498	3790.558	3778.120	3771.340
25	3741.489	3727.114	3726.013	3710.340	3699.046
26	3677.693	3666.180	3656.868	3637.826	3622.681
27	3605.752	3590.805	3574.426	3553.293	3535.616
28	3513.932	3496.696	3470.675	3442.520	3433.560
29	3394.816	3374.343	3339.253	3304.911	3297.449
30	3239.750	3214.016	3175.998	3136.285	3124.948
31	3044.906	3017.609	2977.522	2938.183	2923.786
32	2816.007	2792.606	2758.440	2723.813	2715.800
33	2559.436	2543.454	2522.871	2500.306	2507.769
34	2292.760	2285.672	2283.316	2279.750	2296.855
35	2034.450	2034.538	2047.703	2063.883	2086.821
36	1799.629	1805.242	1831.417	1858.780	1883.810
37	1593.932	1604.300	1637.255	1670.144	1694.557
38	1426.033	1439.703	1473.670	1505.701	1526.217
39	1300.378	1315.149	1345.022	1371.108	1387.773
40	1210.121	1222.383	1245.717	1264.099	1277.990
41	1146.787	1155.967	1172.103	1183.308	1193.369
42	1102.275	1106.744	1117.245	1123.563	1128.670
43	1066.833	1068.440	1075.022	1077.642	1077.730
44	1035.199	1035.596	1039.294	1039.228	1036.784
45	1005.899	1005.371	1007.132	1005.437	1002.619
46	976.114	975.410	976.445	973.869	970.545
47	945.405	944.701	944.767	942.345	938.999
48	913.991	913.111	912.715	910.161	906.837
49	881.477	880.200	880.442	877.382	874.212
50	847.664	846.673	846.761	843.921	840.795
51	813.454	812.838	812.728	809.932	807.224
52	778.871	778.496	778.452	775.855	773.081

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-950-RDB-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	744.859	744.243	744.221	741.843	738.960
54	710.914	710.166	709.835	707.150	704.200
55	676.440	675.164	675.009	671.817	669.066
56	639.369	638.533	638.290	635.076	632.369
57	602.628	601.329	600.889	597.675	595.011
58	566.063	564.654	564.060	560.912	558.799
59	529.630	528.309	527.649	524.523	522.520
60	494.254	492.845	492.295	489.213	487.276
61	459.626	458.195	457.975	454.915	453.308
62	426.297	424.845	424.514	421.829	420.288
63	393.673	392.484	392.132	389.777	388.324
64	361.951	361.071	360.828	358.715	357.504
65	331.946	331.132	331.066	329.172	328.424
66	302.580	302.206	302.228	300.400	299.718
67	274.974	274.644	274.402	272.927	272.465
68	248.492	248.096	248.052	246.797	246.511
69	222.934	222.670	222.692	221.635	221.679
70	198.961	198.829	198.653	197.882	197.948
71	176.221	176.199	175.912	175.450	175.538
72	154.955	154.977	154.845	154.339	154.757
73	135.011	134.989	134.945	134.548	134.923
74	116.541	116.453	116.541	116.299	116.607
75	99.414	99.392	99.480	99.348	99.546
76	83.498	83.454	83.608	83.498	83.719
77	68.947	68.925	69.233	69.057	69.299
78	55.673	55.629	56.003	55.937	56.179
79	43.829	43.785	44.138	44.292	44.380
80	33.329	33.373	33.747	33.901	33.967
81	24.171	24.259	24.545	24.810	24.876
82	15.938	16.070	16.400	16.642	16.819
83	10.919	11.029	11.579	11.887	12.020
84	10.126	10.126	10.148	10.170	10.082
85	9.378	9.378	9.378	9.378	9.290
86	8.409	8.409	8.387	8.365	8.299
87	7.066	7.088	7.066	7.066	6.978
88	5.393	5.371	5.349	5.349	5.283
89	3.280	3.280	3.258	3.280	3.214
90	1.321	1.431	1.695	1.827	1.827
91	1.189	1.211	1.211	1.233	1.189
92	1.277	1.277	1.277	1.277	1.255
93	1.343	1.343	1.365	1.343	1.321
94	1.431	1.431	1.431	1.431	1.431
95	1.519	1.519	1.541	1.541	1.519
96	1.607	1.629	1.629	1.629	1.607
97	1.717	1.717	1.739	1.739	1.717
98	1.849	1.827	1.827	1.849	1.849
99	2.003	1.959	1.959	1.981	1.937
100	2.047	2.069	2.069	2.091	2.047
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

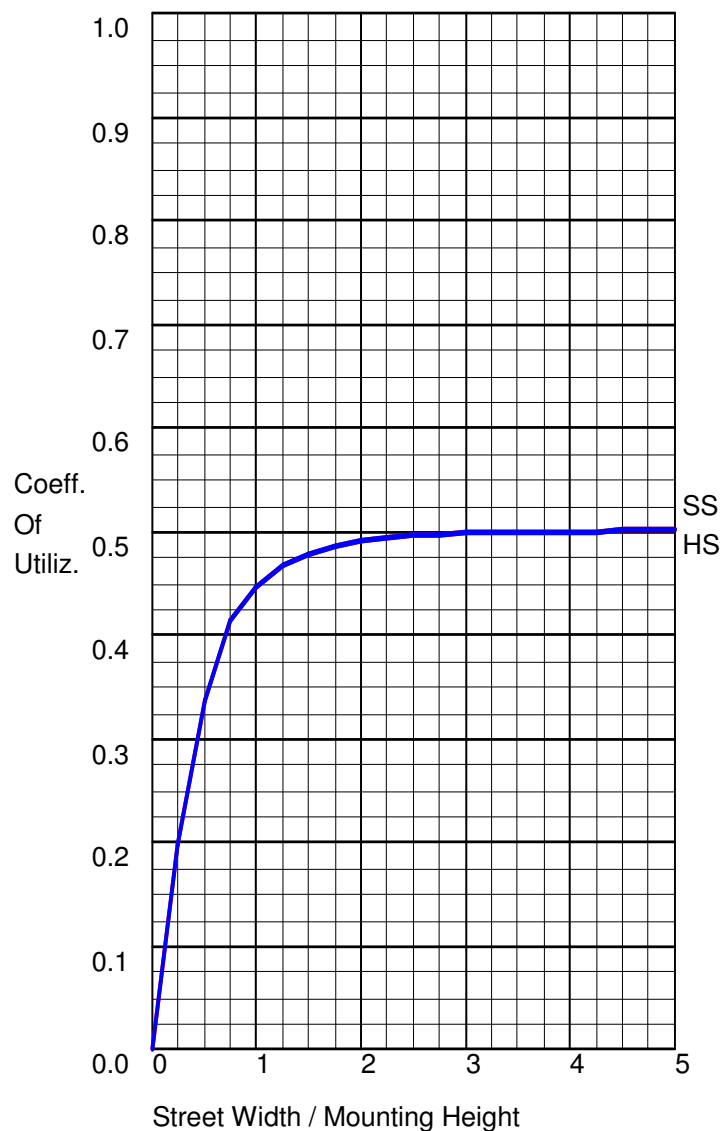
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-950-RDB-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L70-950-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

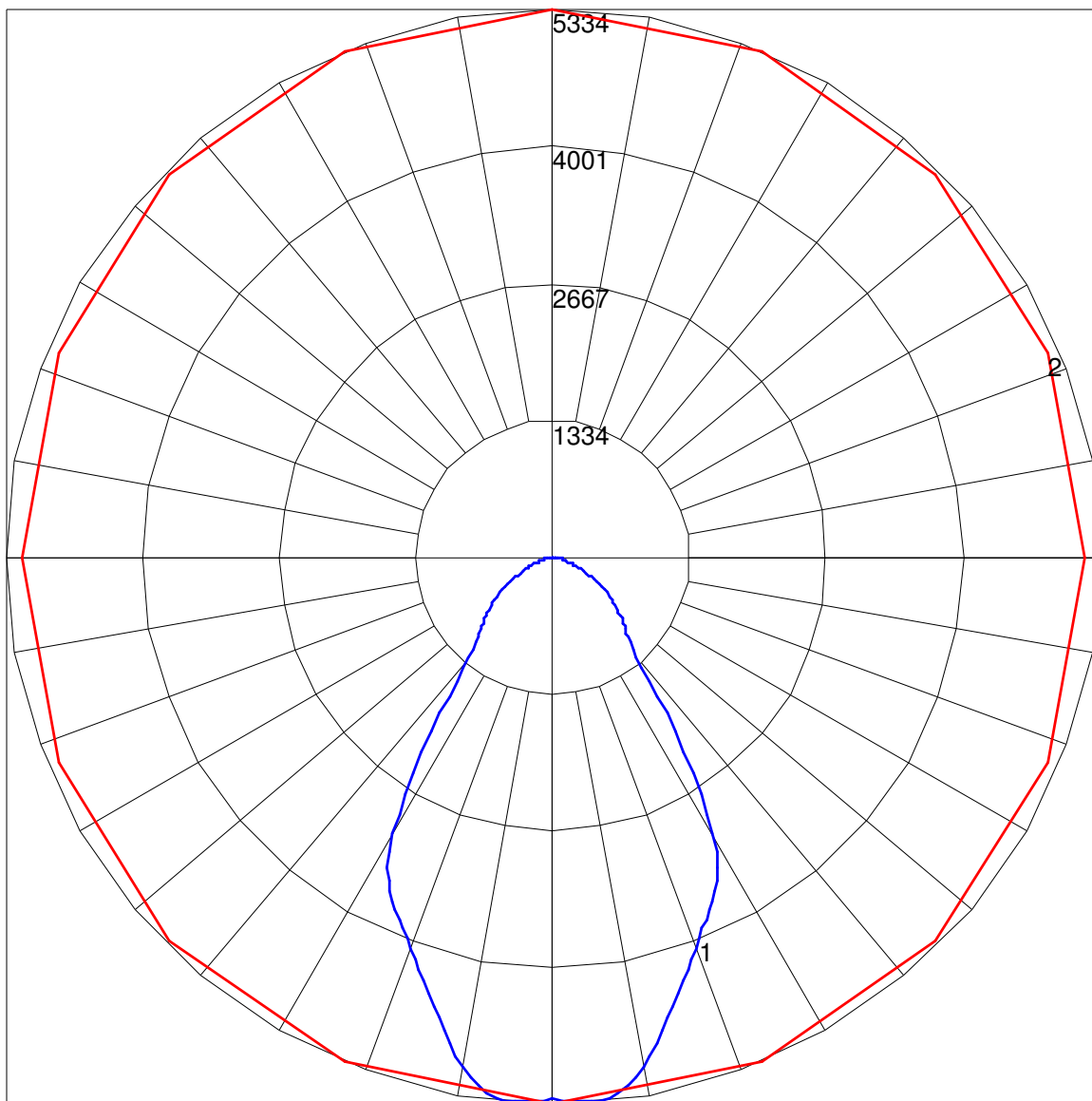
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	3298.5	50.0
Downward House Side	3298.5	50.0
Downward Total	6597.0	100.0
Upward Street Side	0.9	0.0
Upward House Side	0.9	0.0
Upward Total	1.8	0.0
Total Flux	6598.8	100.0

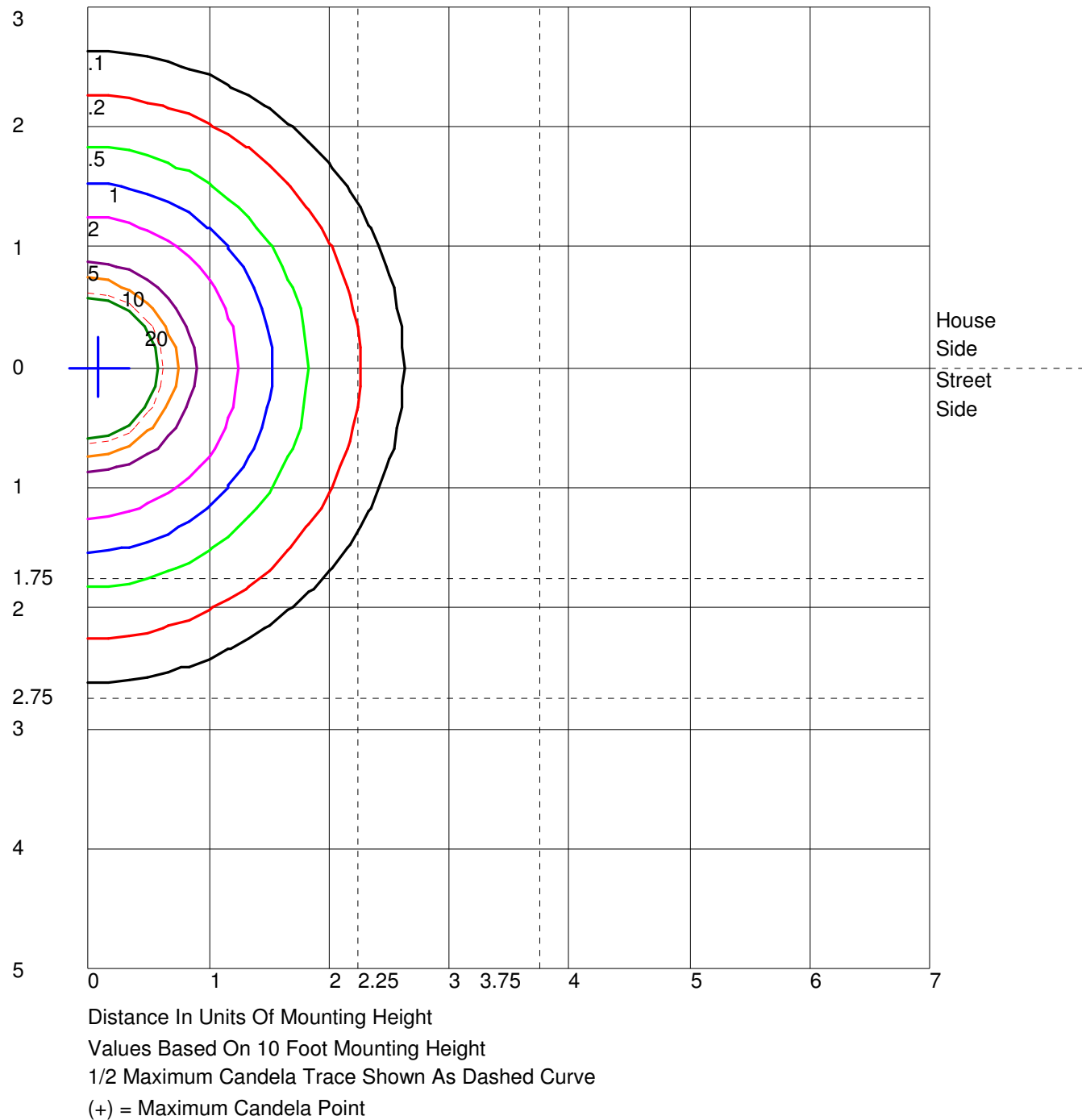
POLAR GRAPH



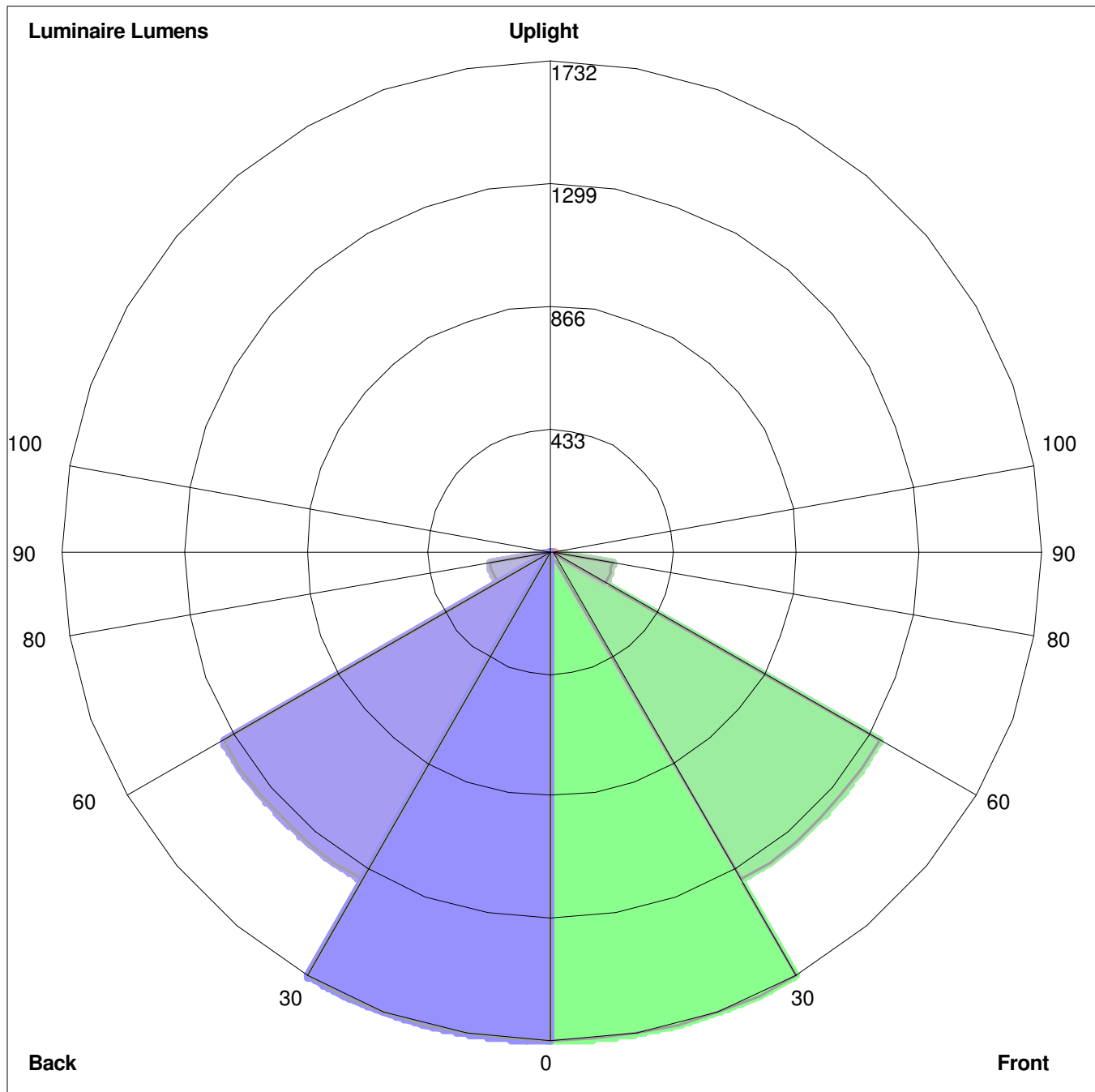
Maximum Candela = 5334.386 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1731.6, Medium=1340.1, High=220.6, Very High=6.2  
Back: Low=1731.6, Medium=1340.1, High=220.6, Very High=6.2  
Uplight: Low=1.7, High=0.1

BUG Rating : B3-U1-G0