

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-935-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-L70-935-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	6739
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5447.884
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	5447.884
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.866 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	34.69 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-935-RDB-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1768.5	N.A.	26.2
FM - Front-Medium (30-60)	1368.6	N.A.	20.3
FH - Front-High (60-80)	225.3	N.A.	3.3
FVH - Front-Very High (80-90)	6.3	N.A.	0.1
BL - Back-Low (0-30)	1768.5	N.A.	26.2
BM - Back-Medium (30-60)	1368.6	N.A.	20.3
BH - Back-High (60-80)	225.3	N.A.	3.3
BVH - Back-Very High (80-90)	6.3	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	6739.3	N.A.	100.0
BUG Rating	B3-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	5400.537	5400.537	5400.537	5400.537	5400.537
1	5405.685	5406.809	5413.936	5413.464	5410.946
2	5390.420	5396.625	5412.475	5419.354	5416.454
3	5367.128	5378.976	5413.397	5431.540	5430.843
4	5336.553	5357.753	5412.790	5446.400	5446.288
5	5295.478	5329.853	5404.134	5447.502	5447.884
6	5250.626	5292.420	5381.517	5430.640	5429.426
7	5196.916	5245.769	5340.419	5391.207	5387.407
8	5137.990	5188.327	5283.922	5334.799	5325.154
9	5070.521	5121.825	5214.272	5262.654	5251.345
10	4997.499	5049.365	5132.796	5178.121	5168.431
11	4921.891	4968.384	5038.371	5080.008	5072.746
12	4842.821	4880.726	4940.439	4973.667	4963.550
13	4763.639	4788.841	4840.123	4868.091	4847.835
14	4677.262	4697.406	4738.639	4758.625	4732.793
15	4588.525	4605.409	4637.289	4650.666	4626.003
16	4496.955	4510.939	4537.086	4544.438	4523.799
17	4403.249	4419.616	4440.795	4437.625	4424.945
18	4317.660	4330.092	4349.449	4339.265	4331.216
19	4233.419	4241.040	4256.665	4244.075	4236.431
20	4154.754	4160.059	4168.850	4161.049	4143.468
21	4079.281	4079.933	4085.104	4080.675	4060.104
22	4010.171	4002.257	4005.764	4002.684	3989.442
23	3943.758	3930.764	3934.765	3929.280	3920.512
24	3880.493	3868.083	3871.208	3858.506	3851.581
25	3821.096	3806.415	3805.291	3789.283	3777.750
26	3755.942	3744.184	3734.674	3715.227	3699.759
27	3682.470	3667.205	3650.478	3628.895	3610.842
28	3588.697	3571.094	3544.520	3515.765	3506.615
29	3467.046	3446.138	3410.301	3375.229	3367.607
30	3308.681	3282.400	3243.573	3203.015	3191.437
31	3109.692	3081.814	3040.874	3000.698	2985.995
32	2875.922	2852.023	2817.131	2781.766	2773.583
33	2613.892	2597.570	2576.549	2553.505	2561.126
34	2341.543	2334.303	2331.898	2328.256	2345.724
35	2077.737	2077.826	2091.271	2107.795	2131.222
36	1837.919	1843.652	1870.383	1898.329	1923.891
37	1627.845	1638.435	1672.090	1705.679	1730.612
38	1456.374	1470.335	1505.025	1537.737	1558.690
39	1328.045	1343.131	1373.639	1400.281	1417.300
40	1235.868	1248.391	1272.222	1290.995	1305.181
41	1171.187	1180.562	1197.042	1208.485	1218.760
42	1125.728	1130.292	1141.016	1147.469	1152.684
43	1089.532	1091.173	1097.895	1100.571	1100.661
44	1057.225	1057.630	1061.407	1061.339	1058.844
45	1027.301	1026.762	1028.560	1026.829	1023.951
46	996.883	996.163	997.220	994.590	991.195
47	965.520	964.801	964.868	962.395	958.978
48	933.438	932.539	932.134	929.526	926.131
49	900.232	898.928	899.175	896.050	892.813
50	865.699	864.688	864.777	861.877	858.685
51	830.762	830.132	830.020	827.165	824.399
52	795.442	795.060	795.015	792.362	789.530

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-935-RDB-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	760.707	760.078	760.055	757.627	754.682
54	726.040	725.275	724.938	722.195	719.183
55	690.833	689.529	689.371	686.111	683.301
56	652.973	652.118	651.871	648.589	645.823
57	615.450	614.124	613.674	610.391	607.671
58	578.107	576.668	576.061	572.846	570.688
59	540.899	539.550	538.876	535.683	533.637
60	504.770	503.331	502.769	499.622	497.643
61	469.406	467.944	467.719	464.594	462.953
62	435.368	433.884	433.547	430.804	429.230
63	402.049	400.835	400.475	398.070	396.586
64	369.652	368.753	368.506	366.347	365.111
65	339.009	338.177	338.110	336.176	335.412
66	309.018	308.636	308.658	306.792	306.095
67	280.825	280.488	280.240	278.734	278.262
68	253.779	253.374	253.329	252.048	251.756
69	227.677	227.407	227.430	226.351	226.396
70	203.194	203.059	202.879	202.092	202.160
71	179.970	179.947	179.655	179.183	179.273
72	158.252	158.275	158.140	157.623	158.050
73	137.883	137.861	137.816	137.411	137.793
74	119.021	118.931	119.021	118.773	119.088
75	101.530	101.507	101.597	101.462	101.664
76	85.275	85.230	85.387	85.275	85.500
77	70.414	70.392	70.706	70.527	70.774
78	56.857	56.812	57.195	57.127	57.375
79	44.762	44.717	45.077	45.234	45.324
80	34.038	34.083	34.465	34.623	34.690
81	24.685	24.775	25.068	25.337	25.405
82	16.277	16.412	16.749	16.997	17.176
83	11.151	11.264	11.826	12.140	12.275
84	10.342	10.342	10.364	10.387	10.297
85	9.577	9.577	9.577	9.577	9.487
86	8.588	8.588	8.566	8.543	8.476
87	7.217	7.239	7.217	7.217	7.127
88	5.508	5.486	5.463	5.463	5.396
89	3.350	3.350	3.327	3.350	3.282
90	1.349	1.461	1.731	1.866	1.866
91	1.214	1.237	1.237	1.259	1.214
92	1.304	1.304	1.304	1.304	1.281
93	1.371	1.371	1.394	1.371	1.349
94	1.461	1.461	1.461	1.461	1.461
95	1.551	1.551	1.574	1.574	1.551
96	1.641	1.664	1.664	1.664	1.641
97	1.754	1.754	1.776	1.776	1.754
98	1.889	1.866	1.866	1.889	1.889
99	2.046	2.001	2.001	2.023	1.978
100	2.091	2.113	2.113	2.136	2.091
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

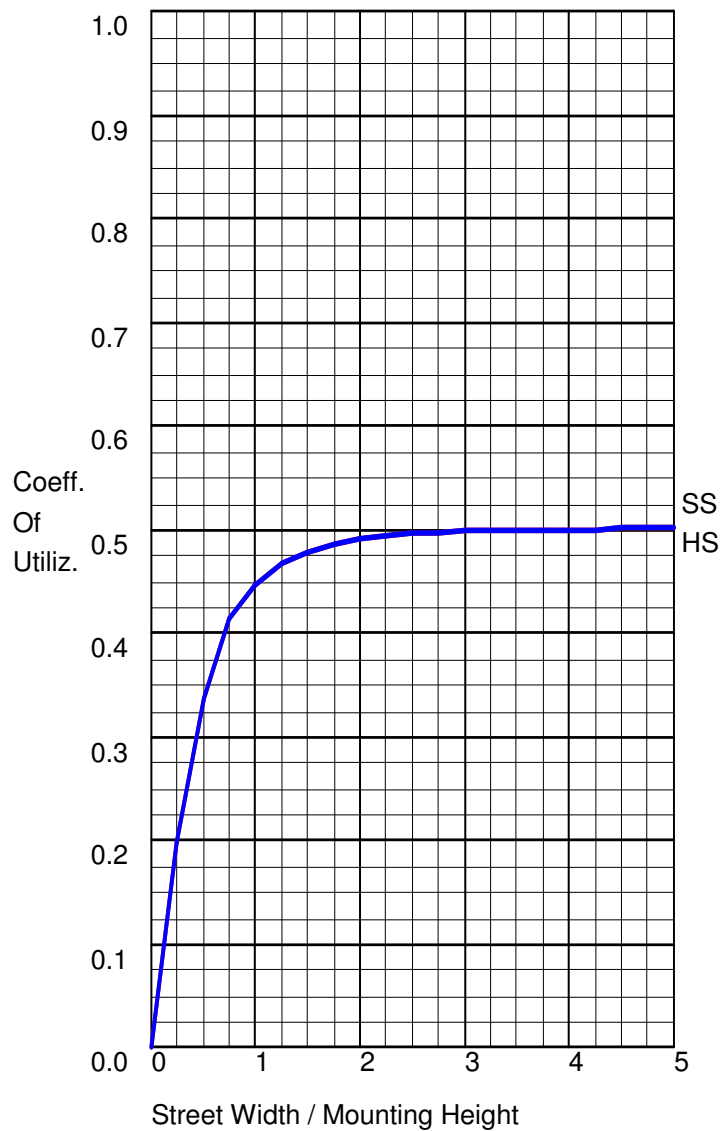
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-935-RDB-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L70-935-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

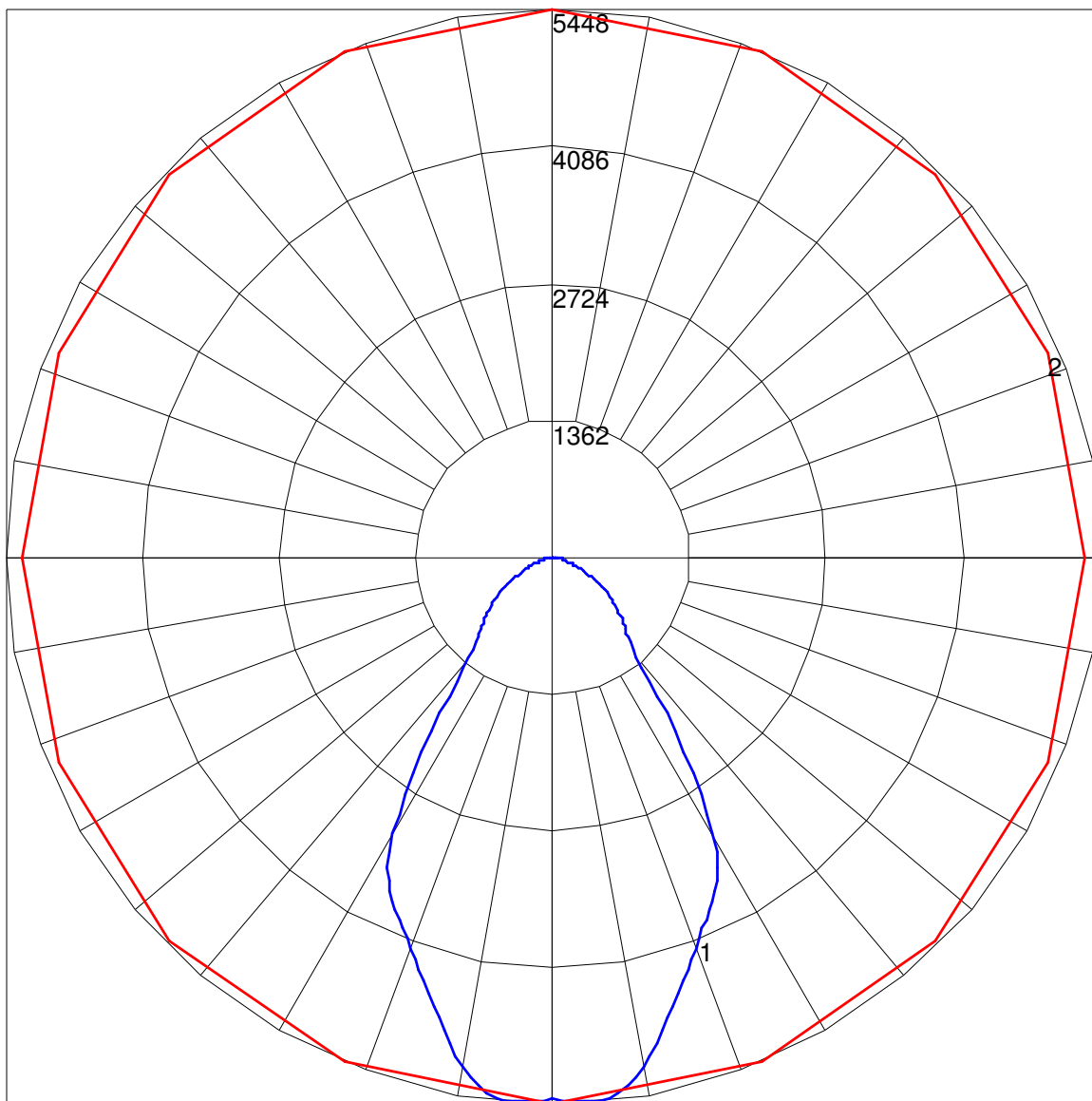
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

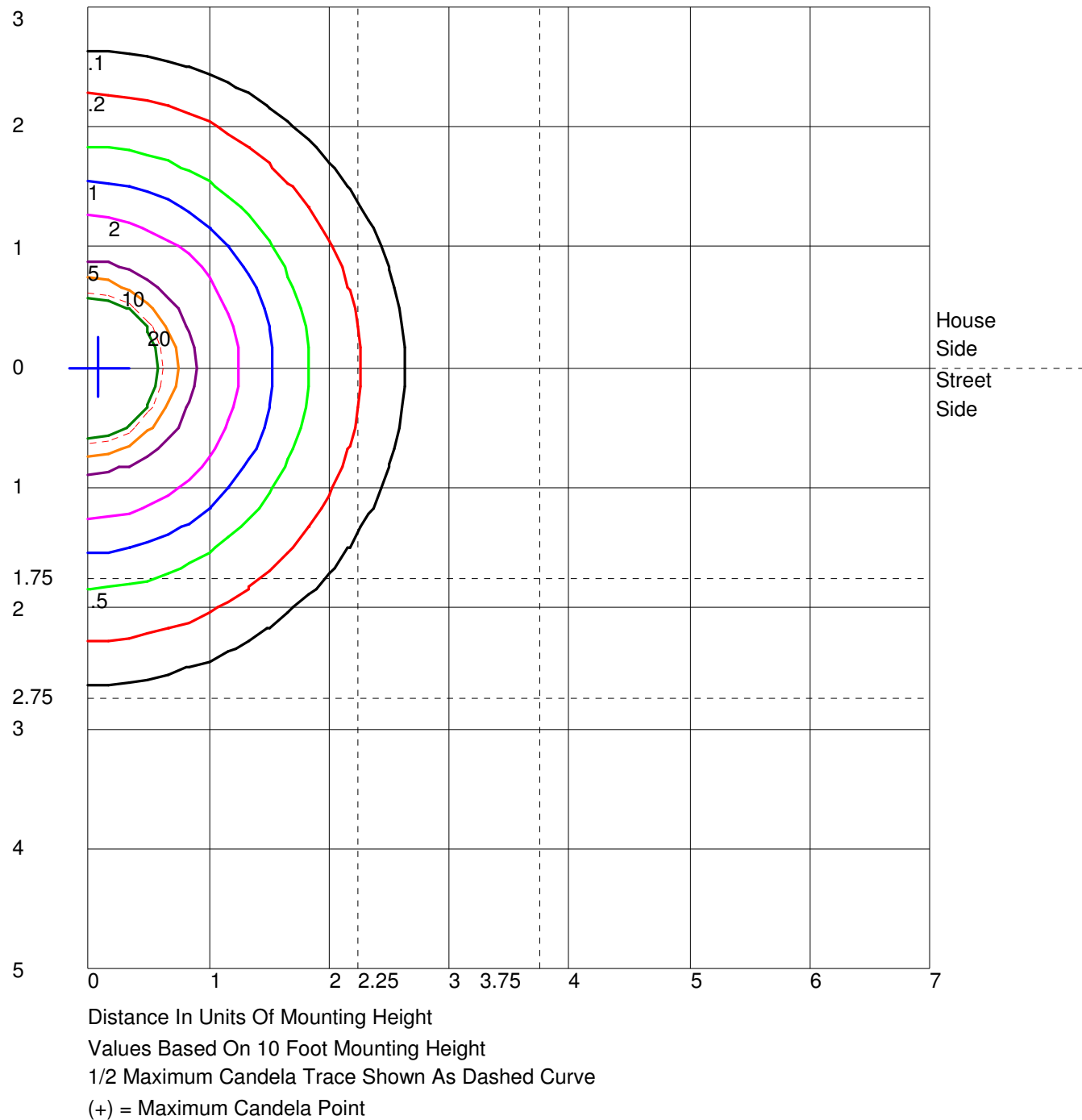
	Lumens	Percent Of Luminaire
Downward Street Side	3368.7	50.0
Downward House Side	3368.7	50.0
Downward Total	6737.4	100.0
Upward Street Side	0.9	0.0
Upward House Side	0.9	0.0
Upward Total	1.8	0.0
Total Flux	6739.2	100.0

POLAR GRAPH

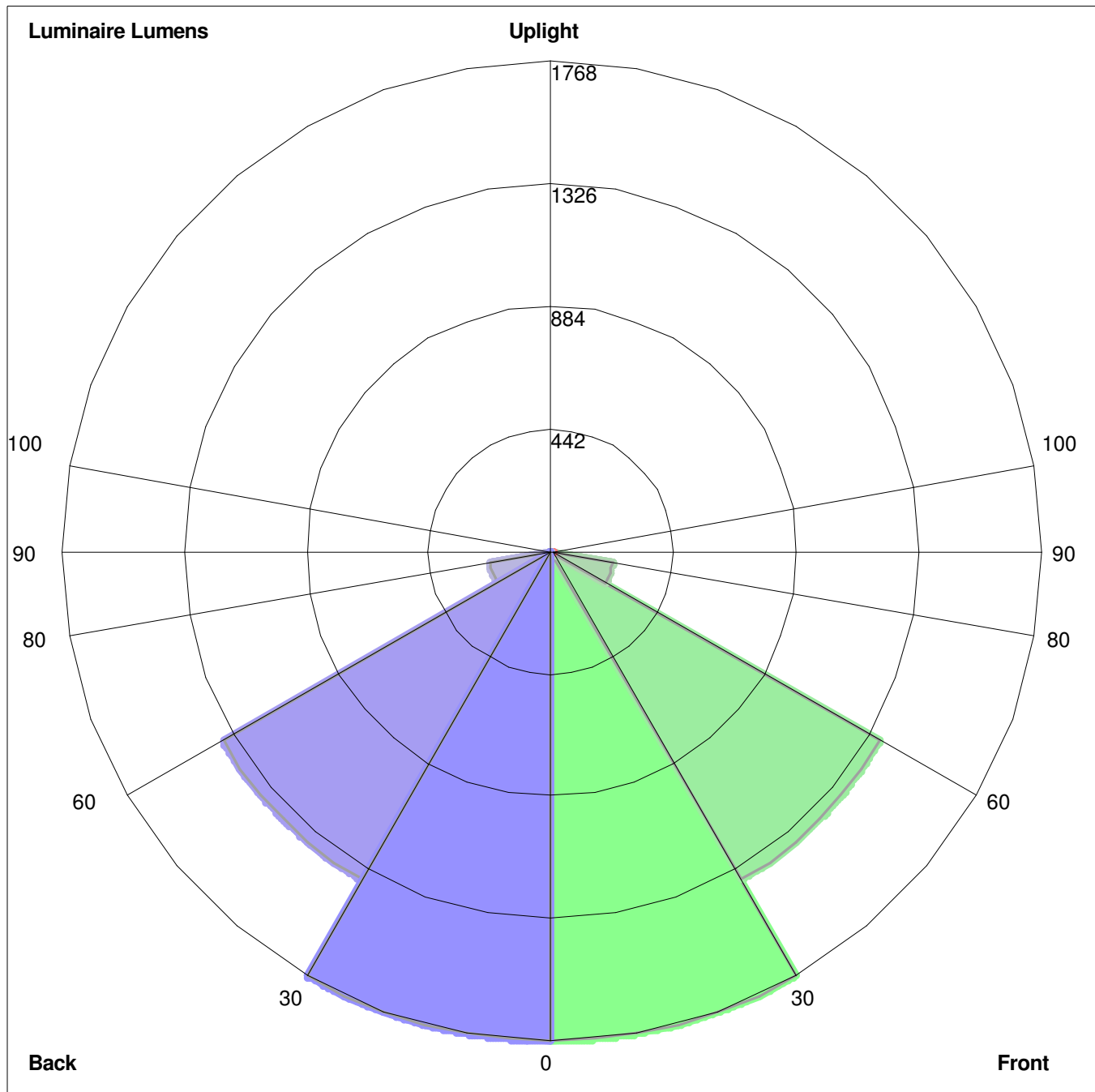


Maximum Candela = 5447.884 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1768.5, Medium=1368.6, High=225.3, Very High=6.3
Back: Low=1768.5, Medium=1368.6, High=225.3, Very High=6.3
Uplight: Low=1.8, High=0.1

BUG Rating : B3-U1-G0