

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-930-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-L60-930-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	5349
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10753.289
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	10753.289
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.413 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	8.935 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-930-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2212.5	N.A.	41.4
FM - Front-Medium (30-60)	432.0	N.A.	8.1
FH - Front-High (60-80)	28.6	N.A.	0.5
FVH - Front-Very High (80-90)	1.3	N.A.	0.0
BL - Back-Low (0-30)	2212.5	N.A.	41.4
BM - Back-Medium (30-60)	432.0	N.A.	8.1
BH - Back-High (60-80)	28.6	N.A.	0.5
BVH - Back-Very High (80-90)	1.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.4	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	5349.2	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	10120.440	10120.440	10120.440	10120.440	10120.440
1	10115.604	10125.761	10144.818	10165.169	10171.336
2	10065.966	10095.612	10172.936	10246.071	10271.115
3	9987.761	10054.190	10223.149	10370.732	10420.819
4	9877.627	9995.024	10274.081	10500.929	10584.869
5	9750.360	9921.188	10301.767	10594.128	10708.901
6	9600.440	9819.737	10285.174	10615.594	10753.289
7	9427.616	9679.400	10199.616	10552.365	10692.720
8	9228.670	9499.205	10040.868	10390.633	10516.894
9	9002.073	9270.289	9801.939	10132.449	10248.121
10	8737.255	9000.833	9495.142	9791.224	9902.760
11	8439.123	8685.586	9122.095	9371.902	9472.579
12	8113.521	8324.063	8697.685	8901.629	8984.904
13	7757.769	7926.548	8240.968	8403.347	8462.351
14	7364.677	7502.228	7763.325	7881.801	7921.712
15	6941.849	7058.797	7266.067	7344.919	7374.691
16	6502.841	6600.534	6759.712	6808.271	6831.715
17	6062.628	6136.302	6258.607	6282.752	6307.382
18	5620.689	5684.044	5778.321	5782.420	5798.834
19	5195.595	5241.278	5316.858	5307.060	5314.485
20	4789.613	4824.077	4878.677	4863.647	4863.036
21	4408.206	4430.212	4471.382	4456.765	4451.749
22	4064.734	4071.152	4103.405	4087.908	4087.548
23	3760.112	3756.786	3779.492	3761.388	3766.854
24	3489.361	3482.475	3498.925	3471.581	3483.914
25	3250.971	3240.508	3247.141	3219.167	3230.853
26	3035.808	3024.824	3020.473	2994.513	2992.912
27	2836.341	2820.017	2808.852	2784.168	2780.519
28	2640.217	2623.515	2600.036	2574.111	2578.498
29	2438.412	2422.789	2396.254	2366.284	2368.352
30	2235.655	2207.555	2180.606	2147.832	2152.416
31	2007.944	1983.871	1952.229	1923.302	1916.561
32	1765.077	1744.366	1718.441	1694.620	1686.081
33	1511.297	1496.897	1483.089	1468.797	1468.761
34	1259.369	1251.333	1250.920	1254.695	1264.277
35	1019.073	1018.516	1030.561	1051.686	1068.495
36	807.543	809.143	833.557	862.807	880.192
37	622.655	635.402	659.492	696.168	704.887
38	485.446	489.887	519.353	544.342	551.929
39	366.071	376.750	406.738	429.911	439.062
40	288.945	298.240	318.393	334.483	339.967
41	237.761	246.750	258.688	270.499	277.385
42	203.171	208.978	216.511	225.644	226.597
43	179.044	181.400	187.332	191.234	192.097
44	161.192	162.540	166.118	167.772	167.718
45	146.917	147.888	150.189	150.603	150.567
46	134.836	135.771	137.353	137.425	137.569
47	123.977	124.912	126.171	126.279	126.494
48	114.323	115.096	116.211	116.462	116.660
49	105.622	106.179	107.330	107.599	107.779
50	97.657	98.107	99.221	99.635	99.743
51	90.466	90.826	91.958	92.426	92.569
52	84.030	84.371	85.396	85.918	85.989

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-930-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	78.277	78.600	79.589	80.165	80.201
54	73.171	73.477	74.358	74.825	74.843
55	68.515	68.695	69.557	69.935	70.007
56	64.056	64.218	65.009	65.333	65.405
57	59.975	60.137	60.784	61.036	61.144
58	56.397	56.541	57.099	57.260	57.350
59	53.125	53.233	53.701	53.809	53.863
60	50.177	50.213	50.626	50.680	50.716
61	47.480	47.462	47.804	47.822	47.804
62	44.945	44.909	45.197	45.179	45.125
63	42.572	42.536	42.770	42.716	42.644
64	40.343	40.253	40.469	40.379	40.289
65	38.186	38.096	38.258	38.132	38.024
66	36.028	35.974	36.064	35.956	35.830
67	33.979	33.925	33.961	33.835	33.745
68	31.983	31.911	31.947	31.767	31.660
69	30.006	29.916	29.916	29.700	29.610
70	28.010	27.902	27.884	27.704	27.561
71	26.068	25.942	25.889	25.709	25.583
72	24.127	23.965	23.911	23.731	23.605
73	22.149	22.005	21.951	21.772	21.628
74	20.189	20.082	20.010	19.830	19.740
75	18.284	18.194	18.104	17.960	17.888
76	16.396	16.324	16.216	16.108	16.072
77	14.526	14.490	14.418	14.311	14.275
78	12.675	12.621	12.603	12.531	12.531
79	10.805	10.787	10.787	10.769	10.751
80	8.899	8.899	8.917	8.935	8.917
81	6.796	6.814	6.778	6.778	6.742
82	3.919	3.883	4.009	4.009	4.063
83	1.708	1.726	2.014	2.175	2.301
84	1.582	1.582	1.582	1.582	1.564
85	1.456	1.456	1.456	1.438	1.420
86	1.312	1.294	1.294	1.276	1.276
87	1.097	1.097	1.097	1.079	1.079
88	0.863	0.863	0.863	0.863	0.845
89	0.593	0.593	0.593	0.575	0.575
90	0.342	0.378	0.396	0.413	0.396
91	0.342	0.342	0.342	0.342	0.324
92	0.360	0.360	0.360	0.342	0.342
93	0.360	0.360	0.360	0.342	0.342
94	0.360	0.360	0.360	0.360	0.342
95	0.378	0.360	0.378	0.360	0.342
96	0.378	0.378	0.378	0.360	0.378
97	0.396	0.378	0.378	0.360	0.378
98	0.413	0.378	0.396	0.360	0.378
99	0.413	0.378	0.396	0.378	0.378
100	0.413	0.396	0.396	0.378	0.378
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

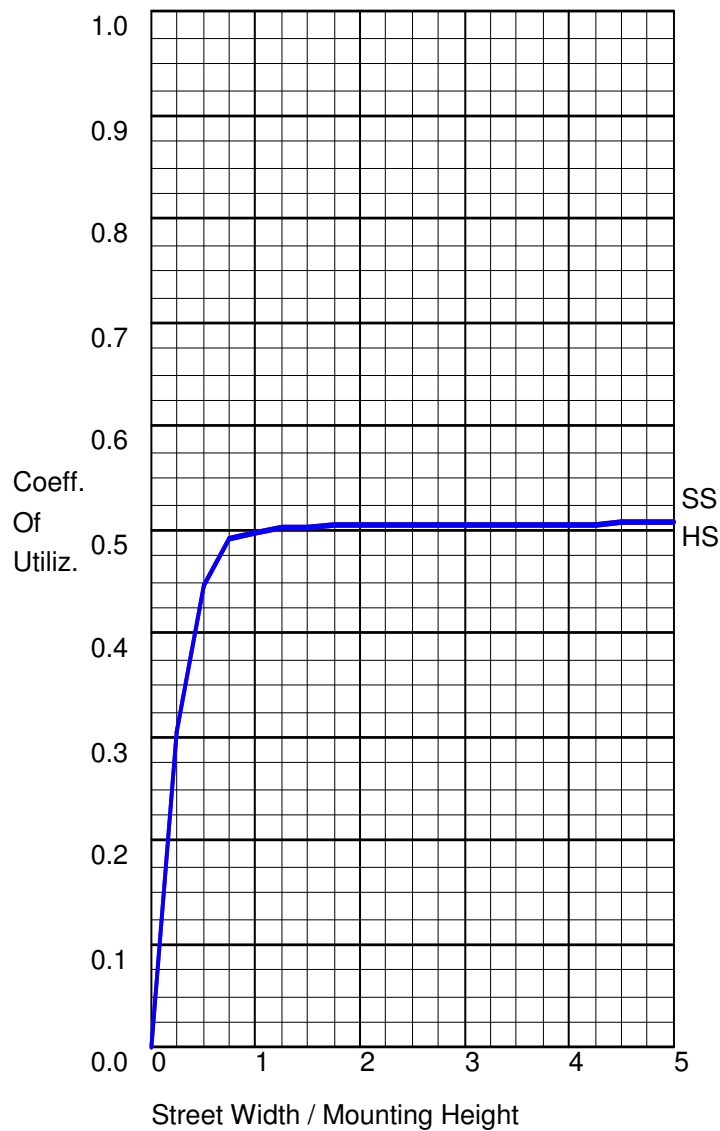
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-930-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L60-930-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

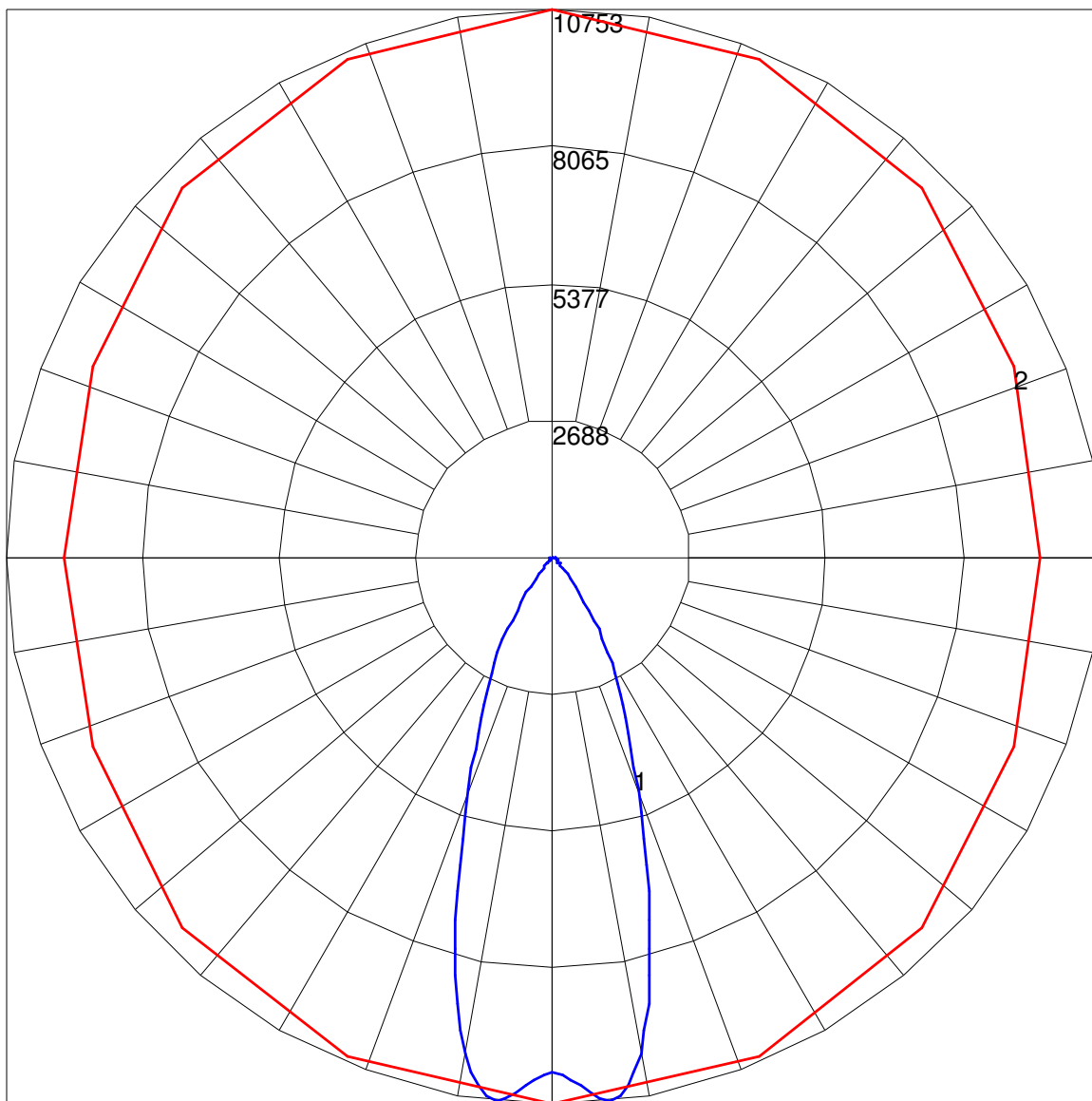
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

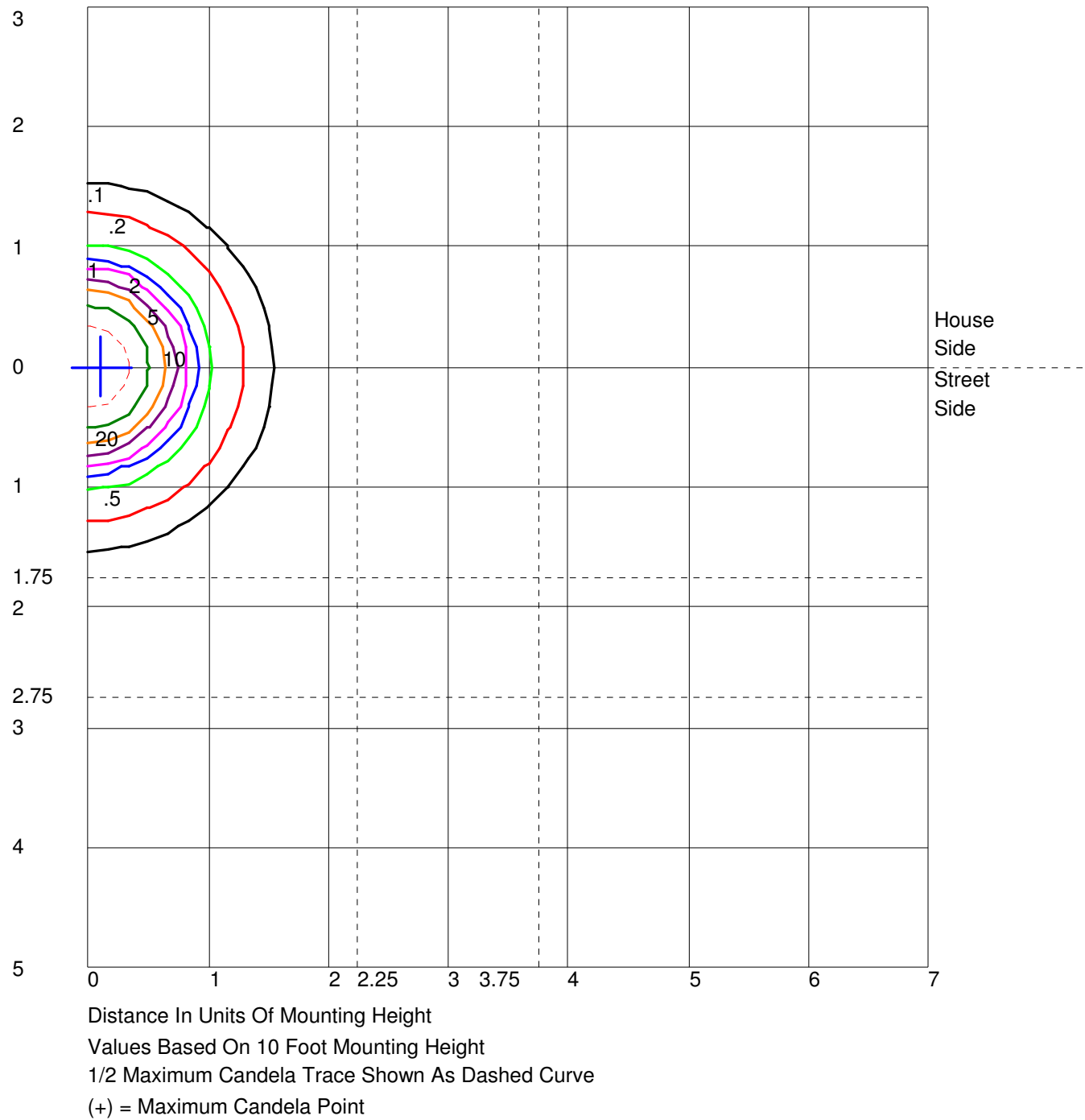
	Lumens	Percent Of Luminaire
Downward Street Side	2674.4	50.0
Downward House Side	2674.4	50.0
Downward Total	5348.8	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	5349.2	100.0

POLAR GRAPH

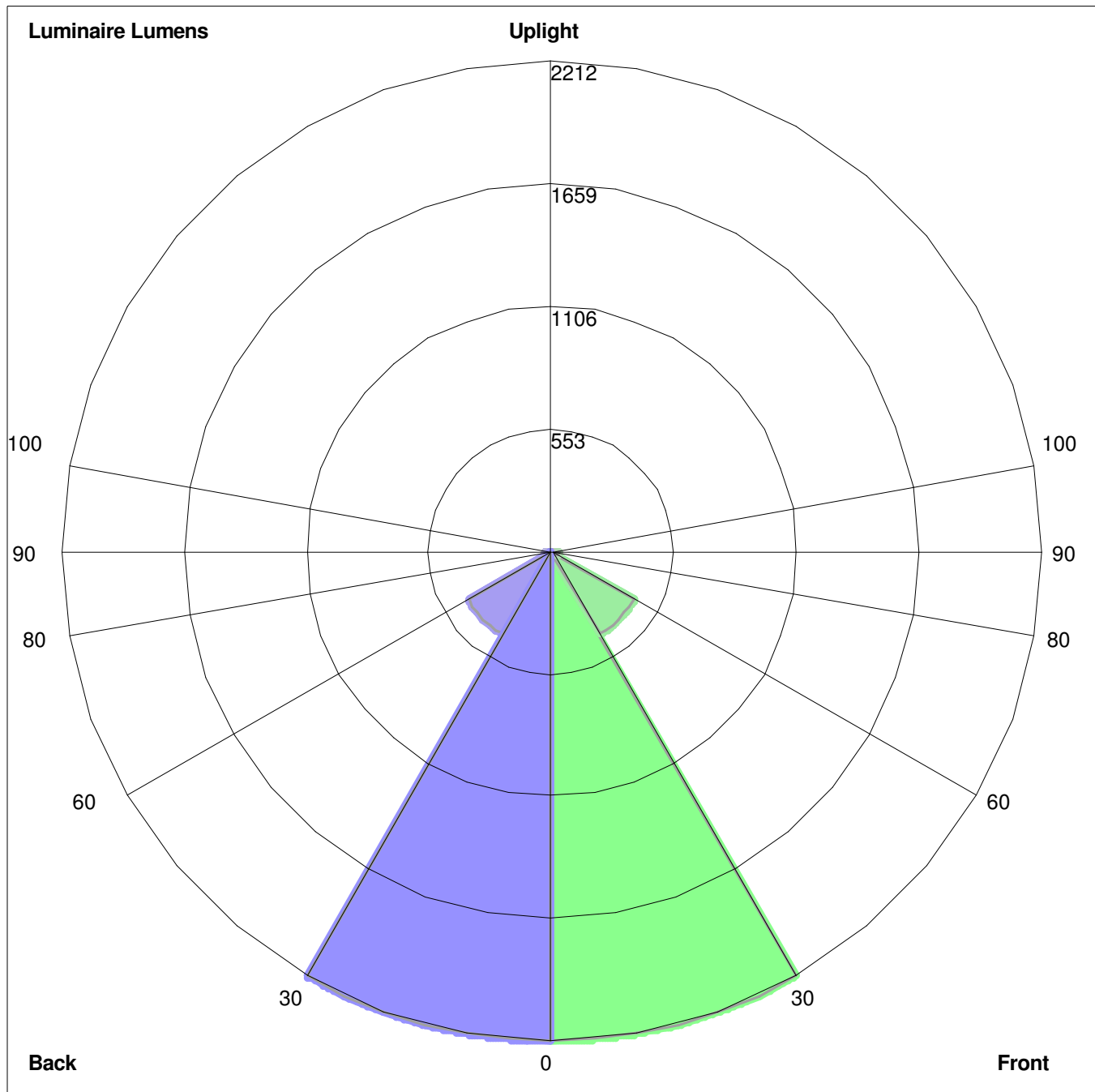


Maximum Candela = 10753.289 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2212.5, Medium=432.0, High=28.6, Very High=1.3
Back: Low=2212.5, Medium=432.0, High=28.6, Very High=1.3
Uplight: Low=0.4, High=0.0

BUG Rating : B3-U1-G0