

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-950-XXX-DIM-UNV-W-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L10-950-xxx-DIM-UNV-W-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH WIDE DIST
[LAMPCAT] BL VERO 18
[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	1016
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	850.934
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	850.934
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.283 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.972 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-950-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	271.5	N.A.	26.7
FM - Front-Medium (30-60)	202.7	N.A.	19.9
FH - Front-High (60-80)	32.8	N.A.	3.2
FVH - Front-Very High (80-90)	0.9	N.A.	0.1
BL - Back-Low (0-30)	271.5	N.A.	26.7
BM - Back-Medium (30-60)	202.7	N.A.	19.9
BH - Back-High (60-80)	32.8	N.A.	3.2
BVH - Back-Very High (80-90)	0.9	N.A.	0.1
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	1016.1	N.A.	100.0
BUG Rating	B1-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-950-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	850.934	850.934	850.934	850.934	850.934
1	850.457	850.733	850.566	850.150	850.320
2	849.925	849.860	849.520	848.954	848.838
3	848.572	848.583	848.061	847.383	846.586
4	846.225	846.511	845.901	844.735	844.194
5	842.166	842.357	841.703	840.483	840.207
6	836.878	836.622	835.249	833.933	833.865
7	828.897	828.386	826.290	825.305	824.781
8	817.642	817.505	815.543	814.721	813.945
9	804.369	804.393	803.013	802.018	801.473
10	789.662	789.846	788.487	787.904	787.730
11	773.411	773.946	772.948	772.829	772.822
12	756.656	757.300	756.687	757.130	756.926
13	740.211	740.668	741.022	741.281	740.801
14	723.572	724.213	725.146	725.549	724.458
15	707.069	708.030	709.049	709.577	708.340
16	690.897	692.314	693.074	693.991	693.187
17	675.645	676.991	677.304	678.899	678.183
18	660.484	662.113	662.481	664.287	663.514
19	646.908	648.207	648.786	650.214	649.692
20	634.392	634.999	635.718	637.033	635.933
21	622.718	622.766	623.556	624.800	623.202
22	612.185	610.792	612.247	612.843	612.226
23	602.361	600.419	601.884	602.068	602.252
24	592.670	591.171	591.961	591.971	592.128
25	583.378	582.263	581.848	581.851	582.151
26	573.720	572.524	571.158	571.277	570.981
27	562.411	560.492	558.761	558.339	558.843
28	547.186	544.926	542.531	542.234	543.080
29	527.176	525.169	521.312	521.360	522.338
30	500.451	498.645	494.106	494.661	495.414
31	466.998	465.322	461.032	461.867	462.473
32	427.917	426.932	423.167	424.813	425.392
33	385.060	384.767	382.289	384.385	385.108
34	341.375	341.910	340.683	343.256	343.409
35	300.753	300.862	300.937	303.949	303.700
36	264.561	264.520	266.033	269.049	269.158
37	234.571	234.707	236.810	239.812	239.444
38	210.977	211.805	214.098	216.388	216.194
39	194.375	195.472	197.241	199.088	199.026
40	183.035	183.927	185.164	186.286	186.408
41	175.265	175.657	176.530	177.184	177.191
42	169.326	169.466	170.048	170.413	170.130
43	164.331	164.327	164.712	164.838	164.433
44	159.608	159.608	159.788	159.785	159.390
45	154.861	154.892	155.011	154.980	154.575
46	150.015	150.080	150.117	150.094	149.767
47	144.921	145.016	145.067	145.057	144.757
48	139.775	139.850	139.888	139.878	139.629
49	134.514	134.596	134.644	134.586	134.303
50	129.188	129.188	129.229	129.209	128.936
51	123.797	123.797	123.818	123.794	123.562
52	118.349	118.403	118.400	118.372	118.120

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-950-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	113.012	113.040	113.012	112.992	112.672
54	107.700	107.666	107.639	107.550	107.216
55	102.330	102.231	102.200	102.043	101.720
56	96.629	96.550	96.516	96.332	96.029
57	90.870	90.788	90.757	90.529	90.216
58	85.237	85.125	85.046	84.825	84.528
59	79.645	79.557	79.431	79.243	78.971
60	74.203	74.098	74.016	73.798	73.570
61	68.877	68.796	68.721	68.547	68.329
62	63.773	63.688	63.592	63.453	63.245
63	58.805	58.747	58.644	58.525	58.328
64	53.996	53.945	53.877	53.748	53.615
65	49.495	49.396	49.359	49.260	49.168
66	45.028	45.045	44.929	44.908	44.786
67	40.782	40.823	40.758	40.717	40.615
68	36.798	36.798	36.775	36.737	36.689
69	32.968	32.982	32.944	32.934	32.914
70	29.353	29.387	29.353	29.353	29.349
71	25.966	25.990	25.956	25.973	25.976
72	22.783	22.821	22.786	22.807	22.834
73	19.812	19.836	19.822	19.849	19.859
74	17.069	17.082	17.086	17.123	17.109
75	14.527	14.547	14.557	14.588	14.567
76	12.179	12.186	12.209	12.243	12.230
77	10.042	10.052	10.090	10.114	10.103
78	8.113	8.107	8.165	8.171	8.168
79	6.382	6.389	6.444	6.468	6.451
80	4.890	4.886	4.941	4.972	4.958
81	3.585	3.602	3.650	3.680	3.663
82	2.426	2.450	2.484	2.488	2.505
83	1.677	1.683	1.748	1.786	1.830
84	1.554	1.557	1.554	1.554	1.547
85	1.441	1.445	1.441	1.438	1.431
86	1.291	1.291	1.288	1.288	1.278
87	1.087	1.090	1.084	1.084	1.077
88	0.831	0.825	0.825	0.825	0.818
89	0.508	0.508	0.508	0.504	0.498
90	0.221	0.221	0.249	0.273	0.283
91	0.194	0.194	0.194	0.194	0.191
92	0.198	0.201	0.201	0.201	0.201
93	0.211	0.215	0.215	0.215	0.215
94	0.221	0.225	0.228	0.228	0.225
95	0.239	0.239	0.242	0.239	0.239
96	0.252	0.256	0.256	0.256	0.252
97	0.269	0.273	0.273	0.269	0.269
98	0.286	0.286	0.286	0.286	0.283
99	0.303	0.303	0.303	0.307	0.303
100	0.317	0.320	0.317	0.324	0.317
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-L10-950-XXX-DIM-UNV-W-XXX_.IES

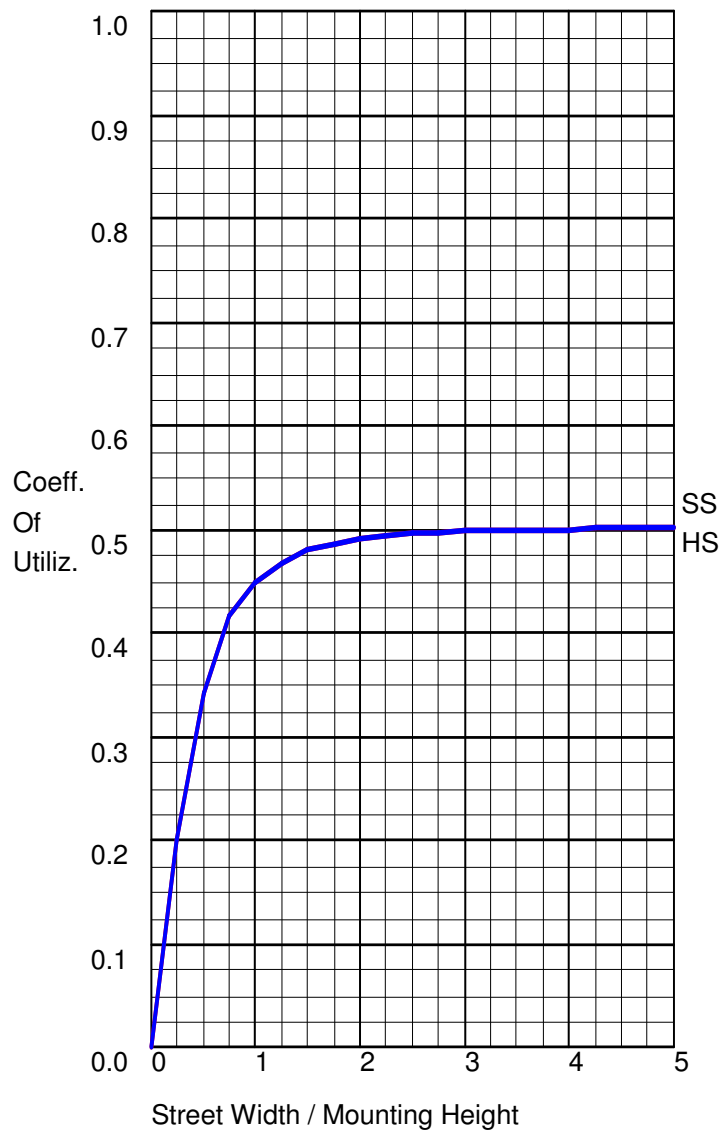
CANDELA TABULATION - (Cont.)

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-L10-950-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

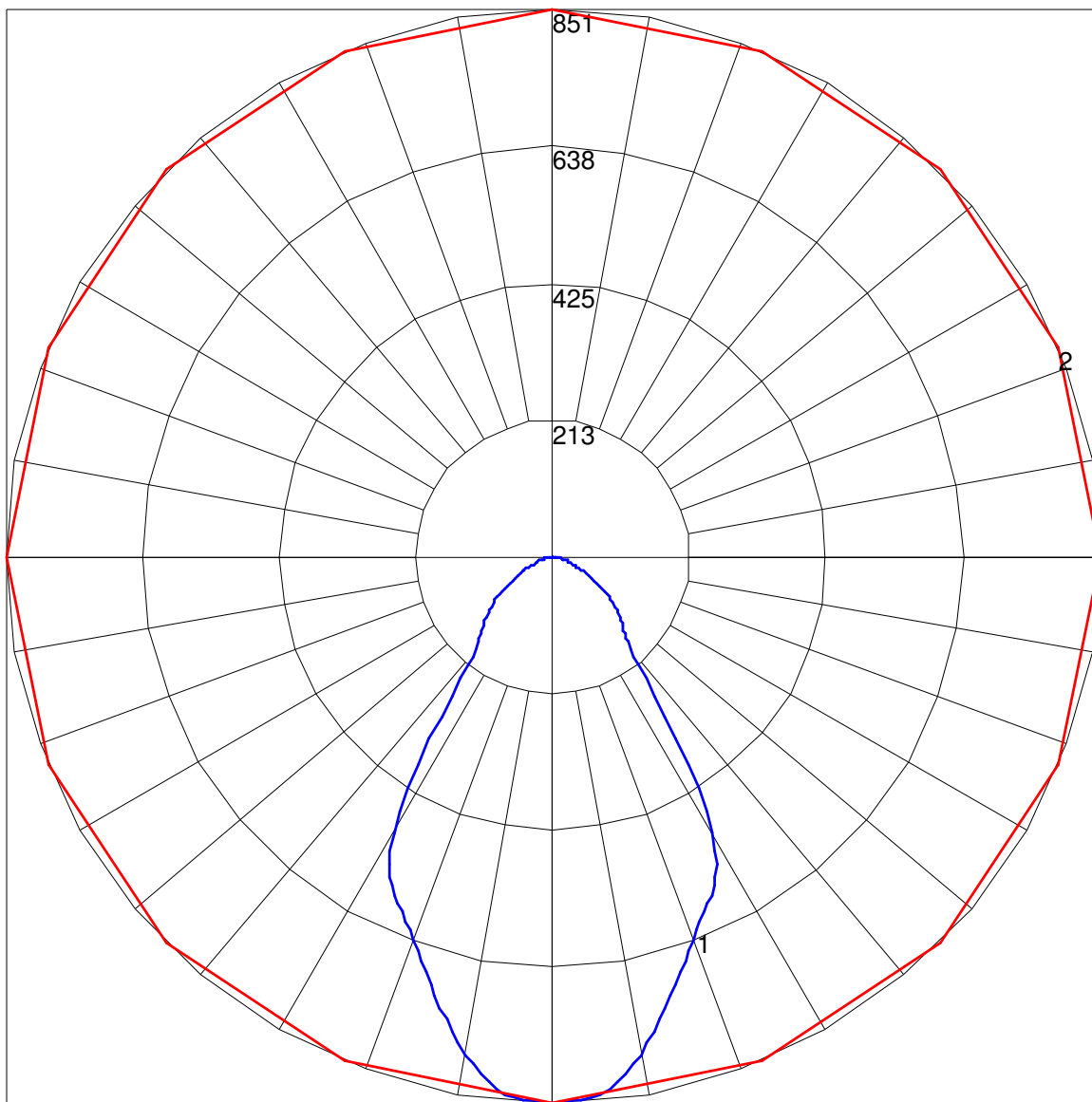
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

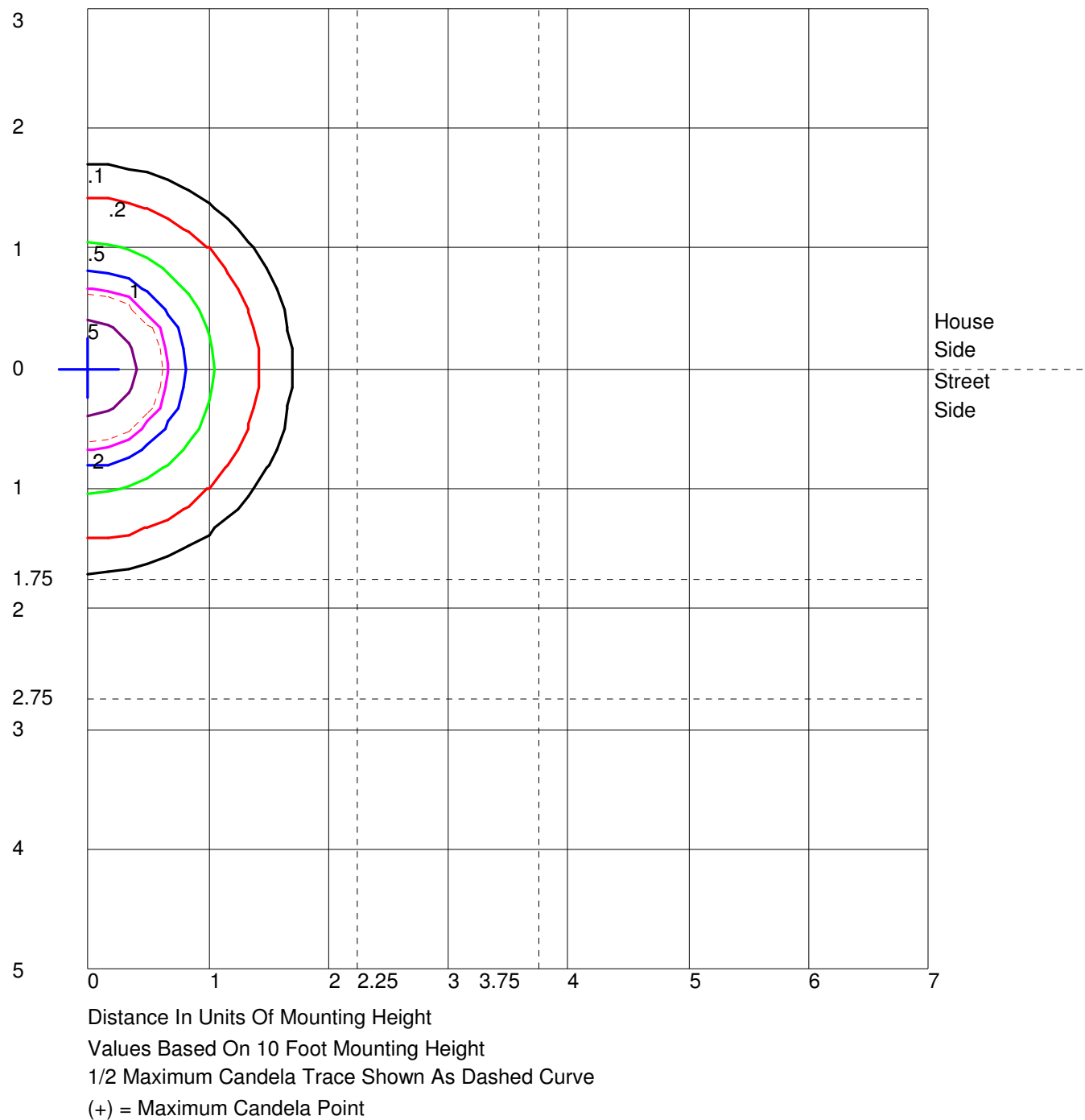
	Lumens	Percent Of Luminaire
Downward Street Side	508.0	50.0
Downward House Side	508.0	50.0
Downward Total	1016.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1016.2	100.0

POLAR GRAPH

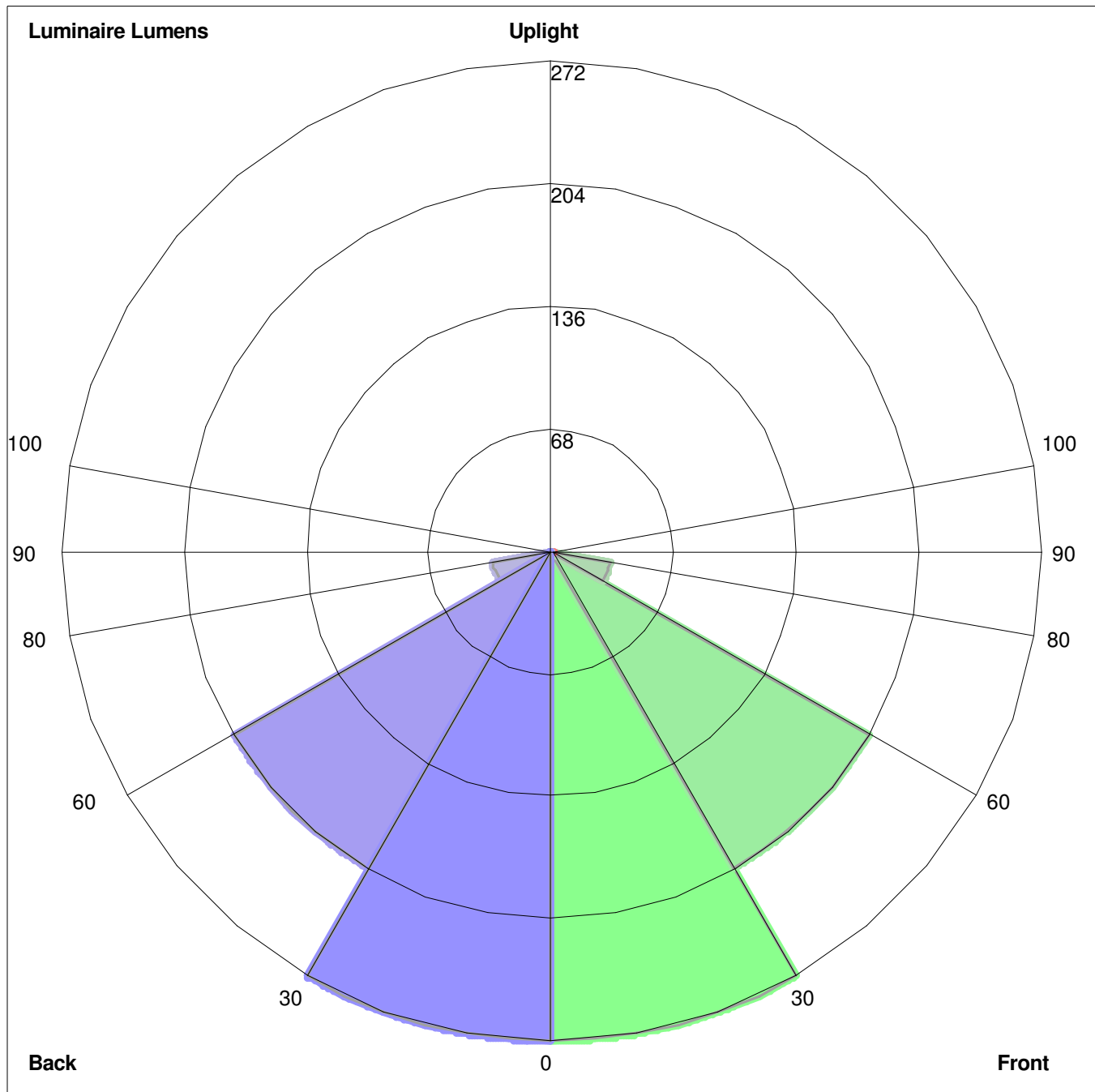


Maximum Candela = 850.934 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=271.5, Medium=202.7, High=32.8, Very High=0.9
Back: Low=271.5, Medium=202.7, High=32.8, Very High=0.9
Uplight: Low=0.3, High=0.0

BUG Rating : B1-U1-G0