

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-835-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-L70-835-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	7020
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5674.88
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	5674.88
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.944 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	36.135 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-835-RDB-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1842.2	N.A.	26.2
FM - Front-Medium (30-60)	1425.7	N.A.	20.3
FH - Front-High (60-80)	234.7	N.A.	3.3
FVH - Front-Very High (80-90)	6.6	N.A.	0.1
BL - Back-Low (0-30)	1842.2	N.A.	26.2
BM - Back-Medium (30-60)	1425.7	N.A.	20.3
BH - Back-High (60-80)	234.7	N.A.	3.3
BVH - Back-Very High (80-90)	6.6	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	7020.3	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	5625.560	5625.560	5625.560	5625.560	5625.560
1	5630.923	5632.094	5639.518	5639.026	5636.403
2	5615.021	5621.485	5637.995	5645.162	5642.141
3	5590.759	5603.101	5638.956	5657.855	5657.129
4	5558.910	5580.994	5638.323	5673.335	5673.217
5	5516.123	5551.931	5629.307	5674.482	5674.880
6	5469.402	5512.938	5605.747	5656.918	5655.653
7	5413.454	5464.344	5562.938	5615.841	5611.883
8	5352.073	5404.508	5504.086	5557.083	5547.036
9	5281.793	5335.235	5431.534	5481.931	5470.152
10	5205.728	5259.756	5346.664	5393.876	5383.783
11	5126.970	5175.401	5248.304	5291.676	5284.112
12	5044.606	5084.090	5146.291	5180.904	5170.366
13	4962.124	4988.377	5041.796	5070.929	5049.828
14	4872.149	4893.132	4936.083	4956.902	4929.994
15	4779.714	4797.302	4830.510	4844.444	4818.754
16	4684.329	4698.895	4726.132	4733.790	4712.291
17	4586.719	4603.768	4625.828	4622.526	4609.318
18	4497.563	4510.513	4530.677	4520.068	4511.684
19	4409.812	4417.751	4434.027	4420.912	4412.950
20	4327.869	4333.396	4342.553	4334.426	4316.113
21	4249.252	4249.931	4255.317	4250.704	4229.275
22	4177.262	4169.018	4172.672	4169.463	4155.669
23	4108.082	4094.546	4098.715	4093.000	4083.867
24	4042.181	4029.254	4032.509	4019.277	4012.064
25	3980.308	3965.016	3963.845	3947.171	3935.157
26	3912.440	3900.192	3890.286	3870.028	3853.916
27	3835.907	3820.006	3802.582	3780.100	3761.294
28	3738.227	3719.890	3692.208	3662.256	3652.724
29	3611.507	3589.727	3552.397	3515.864	3507.925
30	3446.544	3419.167	3378.722	3336.475	3324.414
31	3239.262	3210.223	3167.577	3125.727	3110.411
32	2995.752	2970.858	2934.512	2897.674	2889.149
33	2722.804	2705.802	2683.905	2659.901	2667.840
34	2439.107	2431.566	2429.060	2425.267	2443.463
35	2164.309	2164.403	2178.407	2195.620	2220.023
36	1914.499	1920.471	1948.316	1977.426	2004.053
37	1695.673	1706.703	1741.761	1776.749	1802.721
38	1517.056	1531.599	1567.735	1601.809	1623.636
39	1383.381	1399.095	1430.874	1458.626	1476.354
40	1287.363	1300.408	1325.232	1344.786	1359.564
41	1219.987	1229.753	1246.919	1258.839	1269.541
42	1172.634	1177.388	1188.559	1195.280	1200.713
43	1134.929	1136.639	1143.641	1146.428	1146.522
44	1101.276	1101.698	1105.632	1105.562	1102.962
45	1070.106	1069.543	1071.417	1069.614	1066.616
46	1038.420	1037.670	1038.771	1036.031	1032.495
47	1005.750	1005.001	1005.071	1002.495	998.935
48	972.331	971.395	970.973	968.257	964.720
49	937.742	936.383	936.641	933.386	930.013
50	901.770	900.716	900.810	897.789	894.463
51	865.377	864.721	864.604	861.630	858.750
52	828.586	828.188	828.141	825.378	822.427

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-835-RDB-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	792.404	791.748	791.724	789.195	786.127
54	756.292	755.495	755.144	752.287	749.149
55	719.618	718.259	718.095	714.700	711.772
56	680.180	679.290	679.032	675.613	672.733
57	641.094	639.712	639.244	635.825	632.991
58	602.195	600.696	600.064	596.715	594.467
59	563.437	562.031	561.329	558.003	555.872
60	525.802	524.303	523.718	520.439	518.378
61	488.964	487.442	487.208	483.953	482.243
62	453.508	451.962	451.611	448.754	447.115
63	418.801	417.536	417.162	414.656	413.110
64	385.054	384.118	383.860	381.612	380.324
65	353.134	352.268	352.198	350.184	349.387
66	321.893	321.495	321.519	319.575	318.849
67	292.526	292.175	291.917	290.348	289.856
68	264.353	263.932	263.885	262.550	262.245
69	237.164	236.883	236.906	235.782	235.829
70	211.660	211.520	211.333	210.513	210.583
71	187.469	187.445	187.141	186.649	186.743
72	164.846	164.869	164.729	164.190	164.635
73	143.628	143.605	143.558	143.137	143.535
74	123.980	123.886	123.980	123.722	124.050
75	105.760	105.737	105.830	105.690	105.900
76	88.828	88.781	88.945	88.828	89.062
77	73.348	73.325	73.653	73.465	73.723
78	59.227	59.180	59.578	59.508	59.765
79	46.627	46.580	46.955	47.119	47.213
80	35.456	35.503	35.901	36.065	36.135
81	25.714	25.808	26.112	26.393	26.463
82	16.955	17.096	17.447	17.705	17.892
83	11.616	11.733	12.318	12.646	12.787
84	10.773	10.773	10.796	10.820	10.726
85	9.976	9.976	9.976	9.976	9.883
86	8.946	8.946	8.923	8.899	8.829
87	7.517	7.541	7.517	7.517	7.424
88	5.738	5.714	5.691	5.691	5.621
89	3.489	3.489	3.466	3.489	3.419
90	1.405	1.522	1.803	1.944	1.944
91	1.265	1.288	1.288	1.311	1.265
92	1.358	1.358	1.358	1.358	1.335
93	1.429	1.429	1.452	1.429	1.405
94	1.522	1.522	1.522	1.522	1.522
95	1.616	1.616	1.639	1.639	1.616
96	1.710	1.733	1.733	1.733	1.710
97	1.827	1.827	1.850	1.850	1.827
98	1.967	1.944	1.944	1.967	1.967
99	2.131	2.084	2.084	2.108	2.061
100	2.178	2.201	2.201	2.225	2.178
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

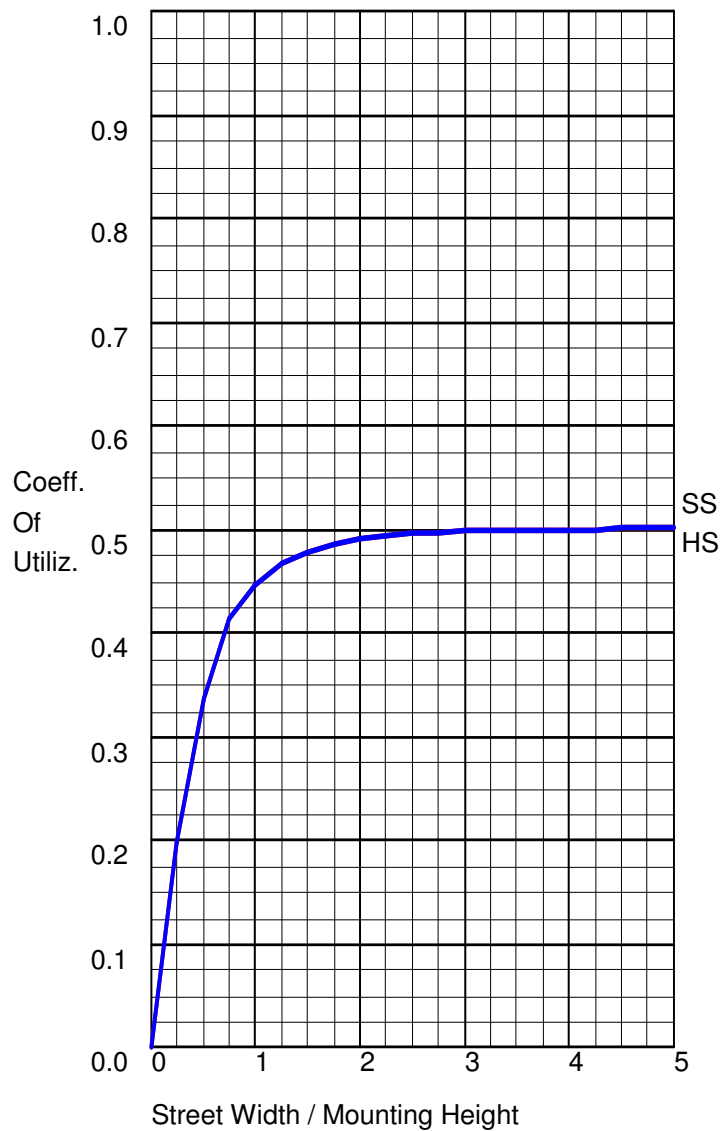
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-835-RDB-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L70-835-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

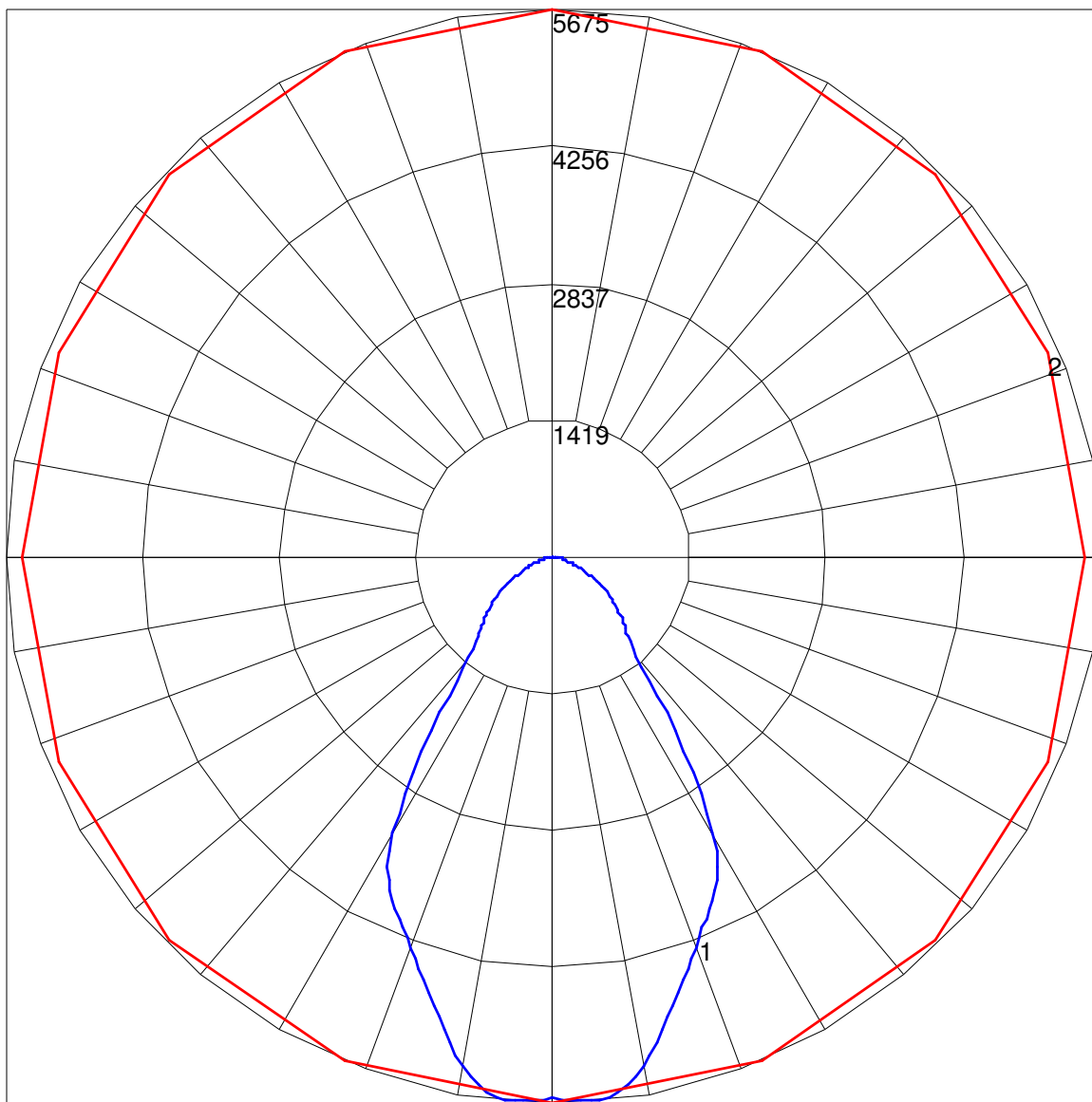
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

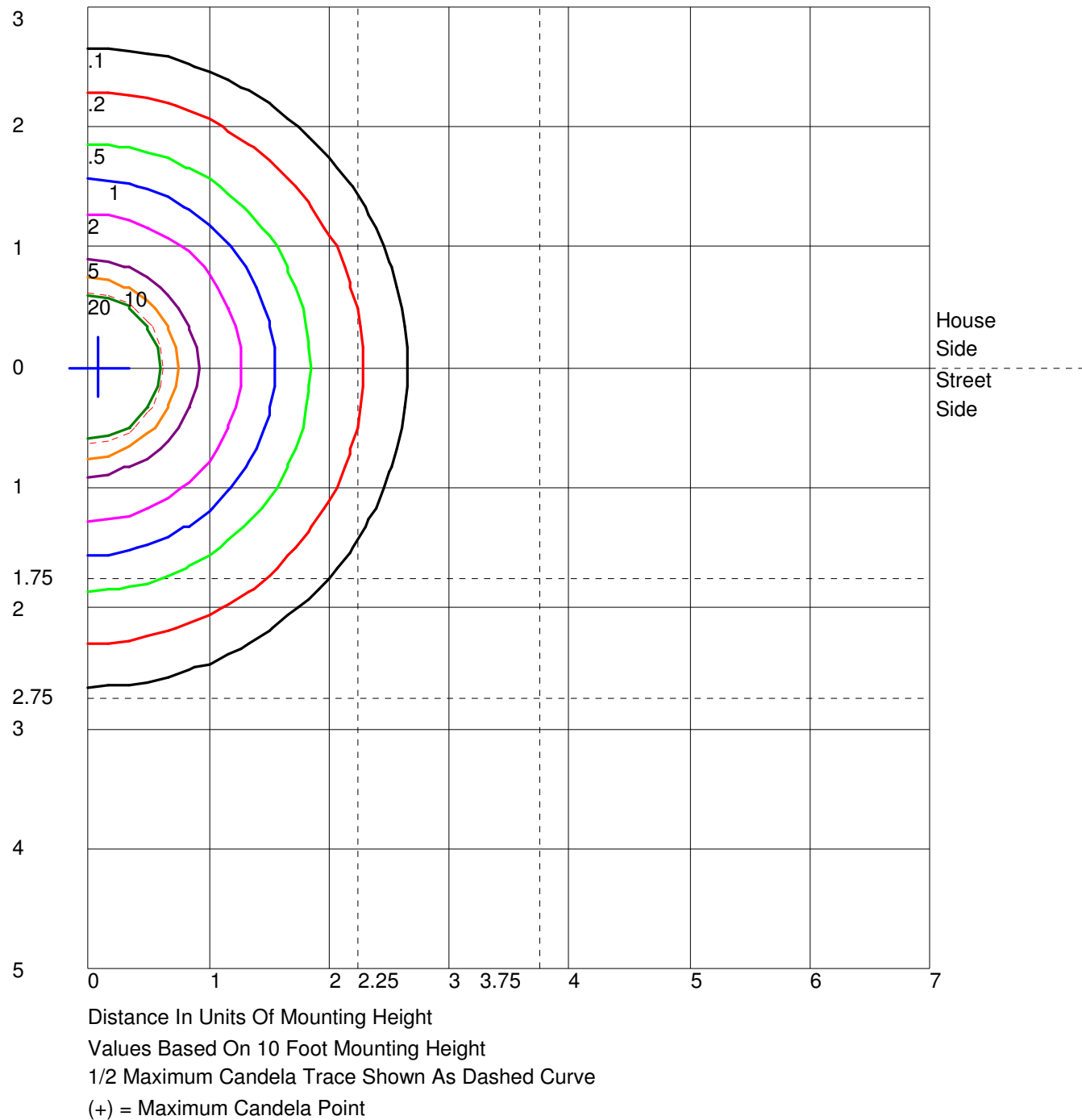
	Lumens	Percent Of Luminaire
Downward Street Side	3509.1	50.0
Downward House Side	3509.1	50.0
Downward Total	7018.2	100.0
Upward Street Side	1.0	0.0
Upward House Side	1.0	0.0
Upward Total	2.0	0.0
Total Flux	7020.2	100.0

POLAR GRAPH

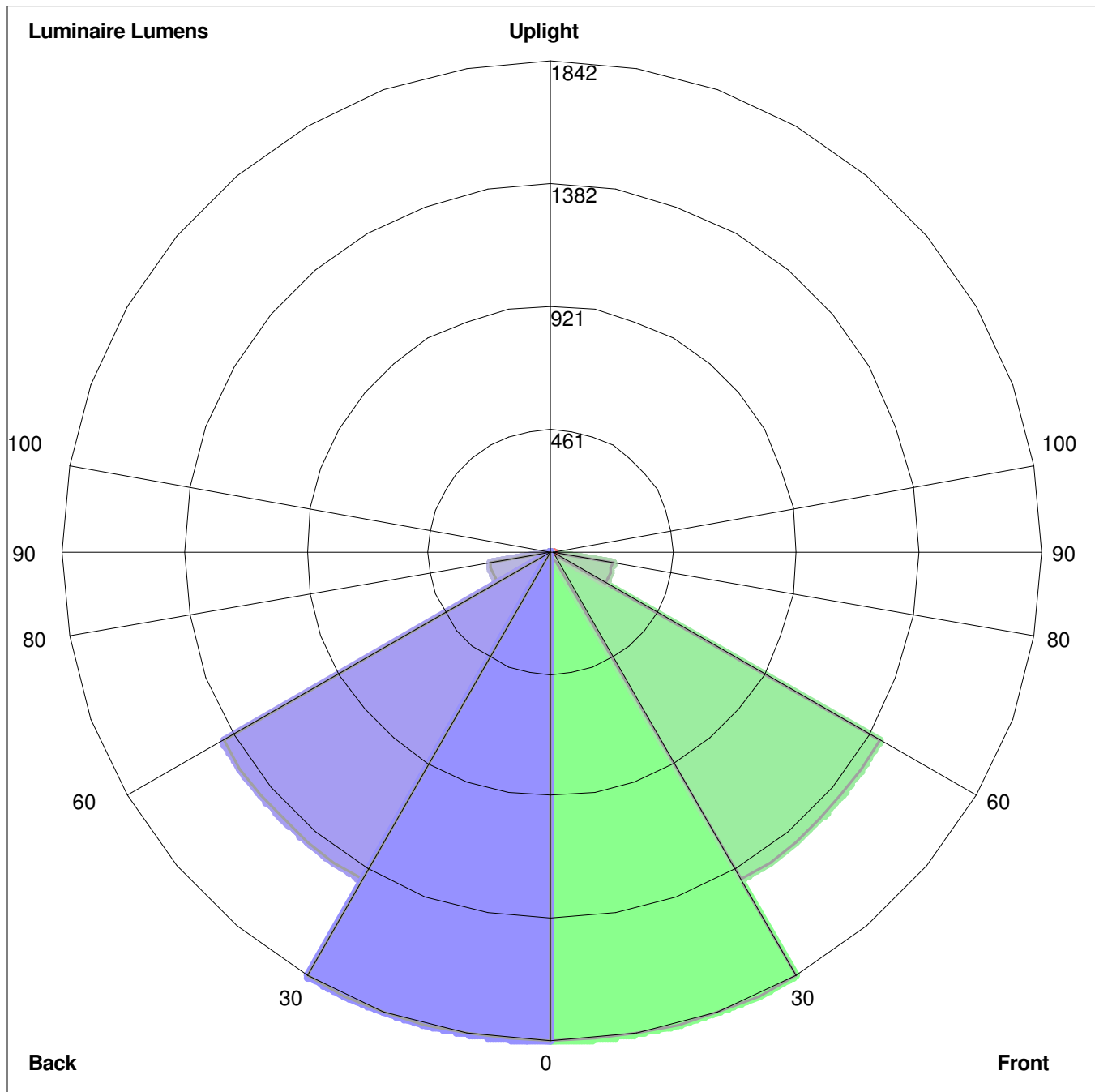


Maximum Candela = 5674.88 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1842.2, Medium=1425.7, High=234.7, Very High=6.6
Back: Low=1842.2, Medium=1425.7, High=234.7, Very High=6.6
Uplight: Low=1.8, High=0.1

BUG Rating : B3-U1-G0