

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-827-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-L20-827-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	2126
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1780.032
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1780.032
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.592 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.4 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-827-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	568.0	N.A.	26.7
FM - Front-Medium (30-60)	424.0	N.A.	19.9
FH - Front-High (60-80)	68.7	N.A.	3.2
FVH - Front-Very High (80-90)	2.0	N.A.	0.1
BL - Back-Low (0-30)	568.0	N.A.	26.7
BM - Back-Medium (30-60)	424.0	N.A.	19.9
BH - Back-High (60-80)	68.7	N.A.	3.2
BVH - Back-Very High (80-90)	2.0	N.A.	0.1
UL - Uplight-Low (90-100)	0.6	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2126.0	N.A.	100.0
BUG Rating	B2-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	1780.032	1780.032	1780.032	1780.032	1780.032
1	1779.034	1779.612	1779.262	1778.393	1778.749
2	1777.922	1777.787	1777.074	1775.891	1775.648
3	1775.092	1775.114	1774.023	1772.605	1770.937
4	1770.181	1770.780	1769.504	1767.066	1765.933
5	1761.691	1762.090	1760.722	1758.170	1757.593
6	1750.628	1750.094	1747.221	1744.470	1744.327
7	1733.934	1732.865	1728.481	1726.421	1725.323
8	1710.390	1710.105	1705.999	1704.281	1702.656
9	1682.626	1682.676	1679.789	1677.707	1676.567
10	1651.860	1652.245	1649.401	1648.182	1647.819
11	1617.866	1618.985	1616.897	1616.647	1616.633
12	1582.817	1584.164	1582.881	1583.808	1583.380
13	1548.416	1549.372	1550.113	1550.655	1549.650
14	1513.610	1514.950	1516.903	1517.744	1515.463
15	1479.088	1481.098	1483.229	1484.334	1481.747
16	1445.258	1448.223	1449.813	1451.730	1450.048
17	1413.352	1416.168	1416.823	1420.159	1418.662
18	1381.639	1385.046	1385.816	1389.594	1387.976
19	1353.240	1355.956	1357.168	1360.154	1359.064
20	1327.058	1328.327	1329.831	1332.583	1330.280
21	1302.637	1302.737	1304.391	1306.993	1303.649
22	1280.604	1277.689	1280.732	1281.980	1280.690
23	1260.054	1255.990	1259.056	1259.441	1259.825
24	1239.781	1236.645	1238.298	1238.320	1238.648
25	1220.343	1218.012	1217.142	1217.149	1217.776
26	1200.141	1197.639	1194.781	1195.030	1194.410
27	1176.483	1172.470	1168.849	1167.965	1169.020
28	1144.634	1139.908	1134.897	1134.277	1136.045
29	1102.778	1098.579	1090.510	1090.610	1092.656
30	1046.871	1043.093	1033.599	1034.761	1036.336
31	976.894	973.387	964.413	966.159	967.428
32	895.141	893.081	885.205	888.647	889.859
33	805.490	804.877	799.695	804.079	805.590
34	714.107	715.226	712.660	718.042	718.363
35	629.132	629.360	629.517	635.818	635.298
36	553.424	553.338	556.503	562.812	563.040
37	490.689	490.974	495.372	501.652	500.882
38	441.333	443.066	447.863	452.653	452.247
39	406.605	408.900	412.600	416.463	416.335
40	382.882	384.750	387.338	389.683	389.939
41	366.630	367.450	369.275	370.643	370.658
42	354.206	354.498	355.717	356.480	355.888
43	343.756	343.749	344.554	344.818	343.970
44	333.876	333.876	334.254	334.247	333.420
45	323.947	324.011	324.260	324.196	323.348
46	313.811	313.946	314.024	313.974	313.290
47	303.154	303.353	303.460	303.439	302.812
48	292.390	292.547	292.626	292.604	292.084
49	281.384	281.556	281.655	281.534	280.943
50	270.243	270.243	270.329	270.286	269.716
51	258.966	258.966	259.009	258.959	258.475
52	247.568	247.682	247.675	247.618	247.091

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CANDELA TABULATION - (Cont.)

53	236.406	236.463	236.406	236.363	235.693
54	225.293	225.222	225.165	224.979	224.281
55	214.059	213.852	213.788	213.460	212.783
56	202.133	201.970	201.898	201.513	200.879
57	190.087	189.916	189.852	189.374	188.718
58	178.304	178.069	177.905	177.442	176.821
59	166.607	166.421	166.158	165.766	165.195
60	155.223	155.002	154.831	154.375	153.897
61	144.082	143.911	143.754	143.390	142.934
62	133.404	133.225	133.026	132.734	132.299
63	123.011	122.890	122.676	122.426	122.013
64	112.953	112.846	112.703	112.433	112.155
65	103.537	103.330	103.252	103.045	102.852
66	94.192	94.227	93.985	93.942	93.686
67	85.310	85.395	85.260	85.174	84.961
68	76.977	76.977	76.927	76.849	76.749
69	68.965	68.994	68.915	68.894	68.851
70	61.402	61.473	61.402	61.402	61.395
71	54.317	54.367	54.295	54.331	54.338
72	47.659	47.737	47.666	47.709	47.766
73	41.443	41.493	41.465	41.522	41.543
74	35.705	35.734	35.741	35.819	35.791
75	30.387	30.430	30.452	30.516	30.473
76	25.476	25.490	25.540	25.612	25.583
77	21.007	21.028	21.107	21.156	21.135
78	16.972	16.958	17.079	17.093	17.086
79	13.351	13.365	13.479	13.529	13.494
80	10.229	10.222	10.336	10.400	10.371
81	7.499	7.534	7.634	7.698	7.663
82	5.075	5.125	5.196	5.204	5.239
83	3.507	3.521	3.657	3.735	3.828
84	3.250	3.258	3.250	3.250	3.236
85	3.015	3.022	3.015	3.008	2.994
86	2.702	2.702	2.694	2.694	2.673
87	2.274	2.281	2.267	2.267	2.253
88	1.739	1.725	1.725	1.725	1.711
89	1.062	1.062	1.062	1.055	1.041
90	0.463	0.463	0.520	0.570	0.592
91	0.406	0.406	0.406	0.406	0.399
92	0.413	0.421	0.421	0.421	0.421
93	0.442	0.449	0.449	0.449	0.449
94	0.463	0.470	0.478	0.478	0.470
95	0.499	0.499	0.506	0.499	0.499
96	0.527	0.535	0.535	0.535	0.527
97	0.563	0.570	0.570	0.563	0.563
98	0.599	0.599	0.599	0.599	0.592
99	0.634	0.634	0.634	0.642	0.634
100	0.663	0.670	0.663	0.677	0.663
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

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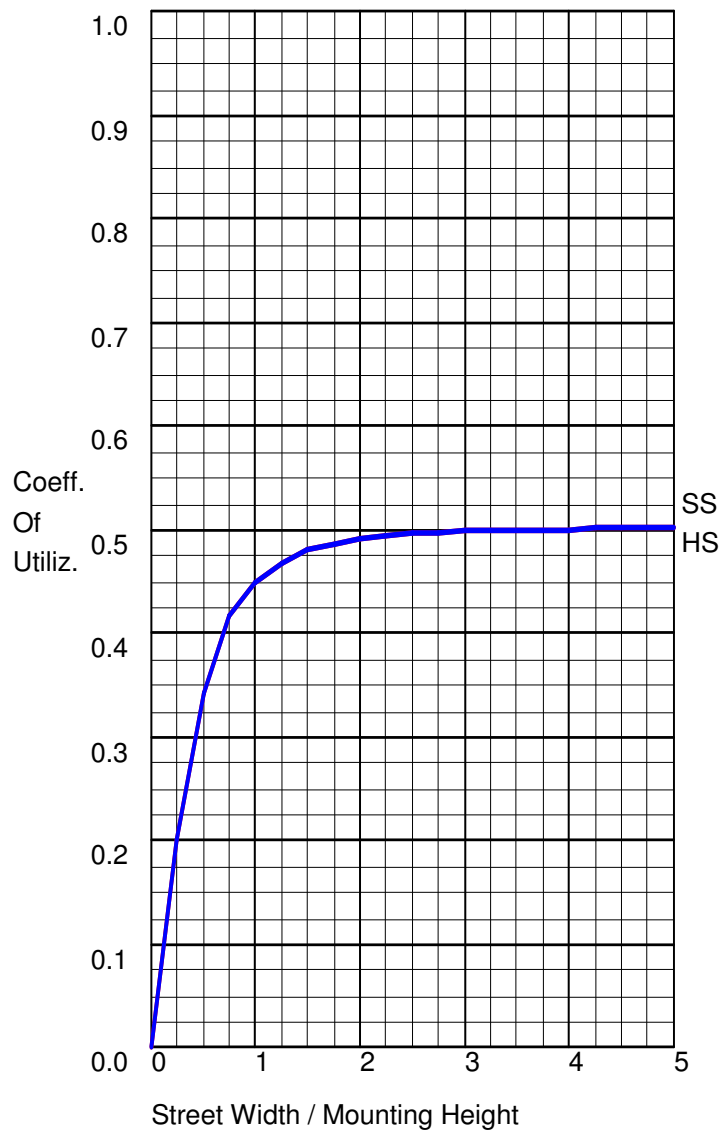
CANDELA TABULATION - (Cont.)

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-L20-827-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

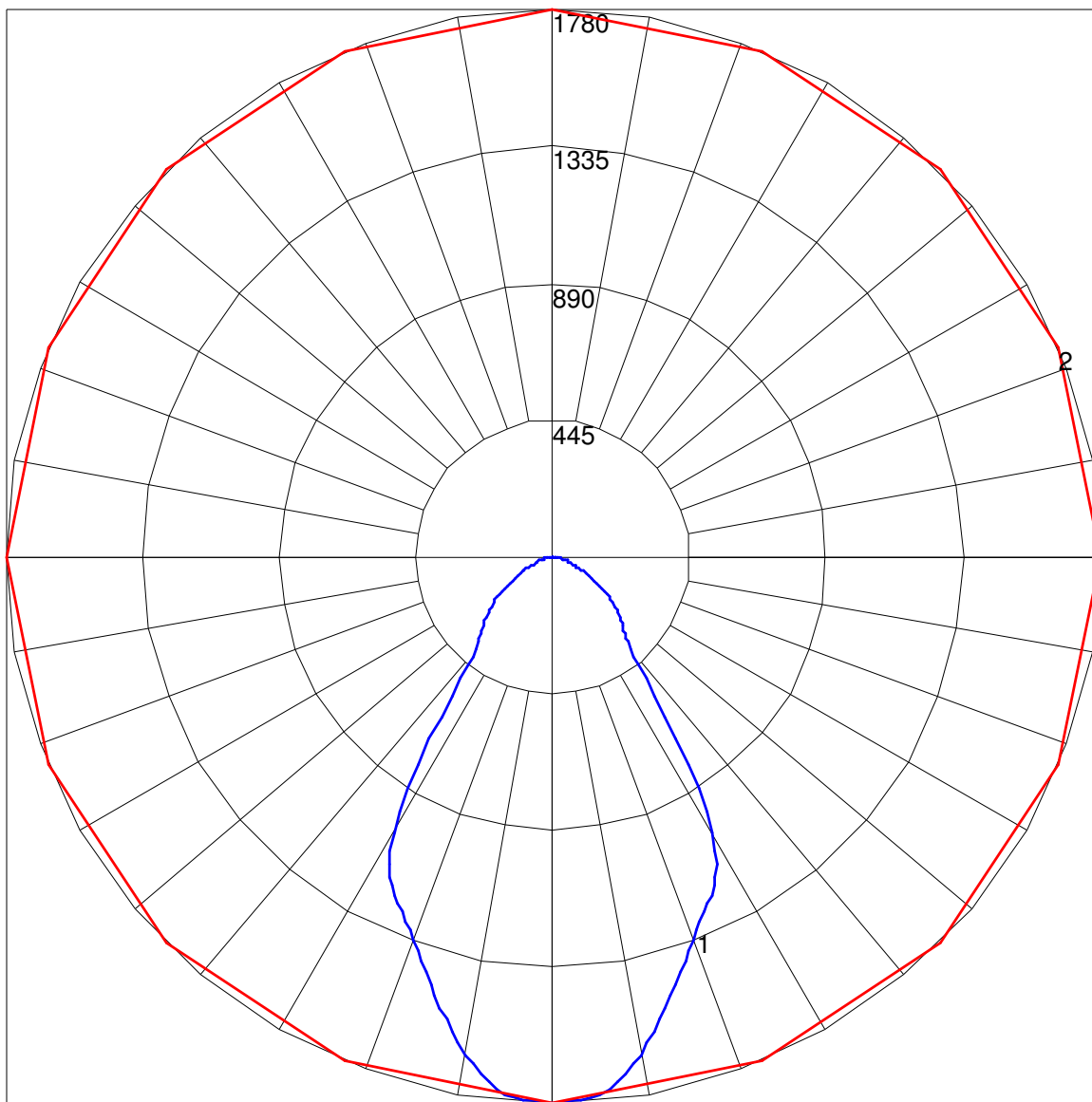
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

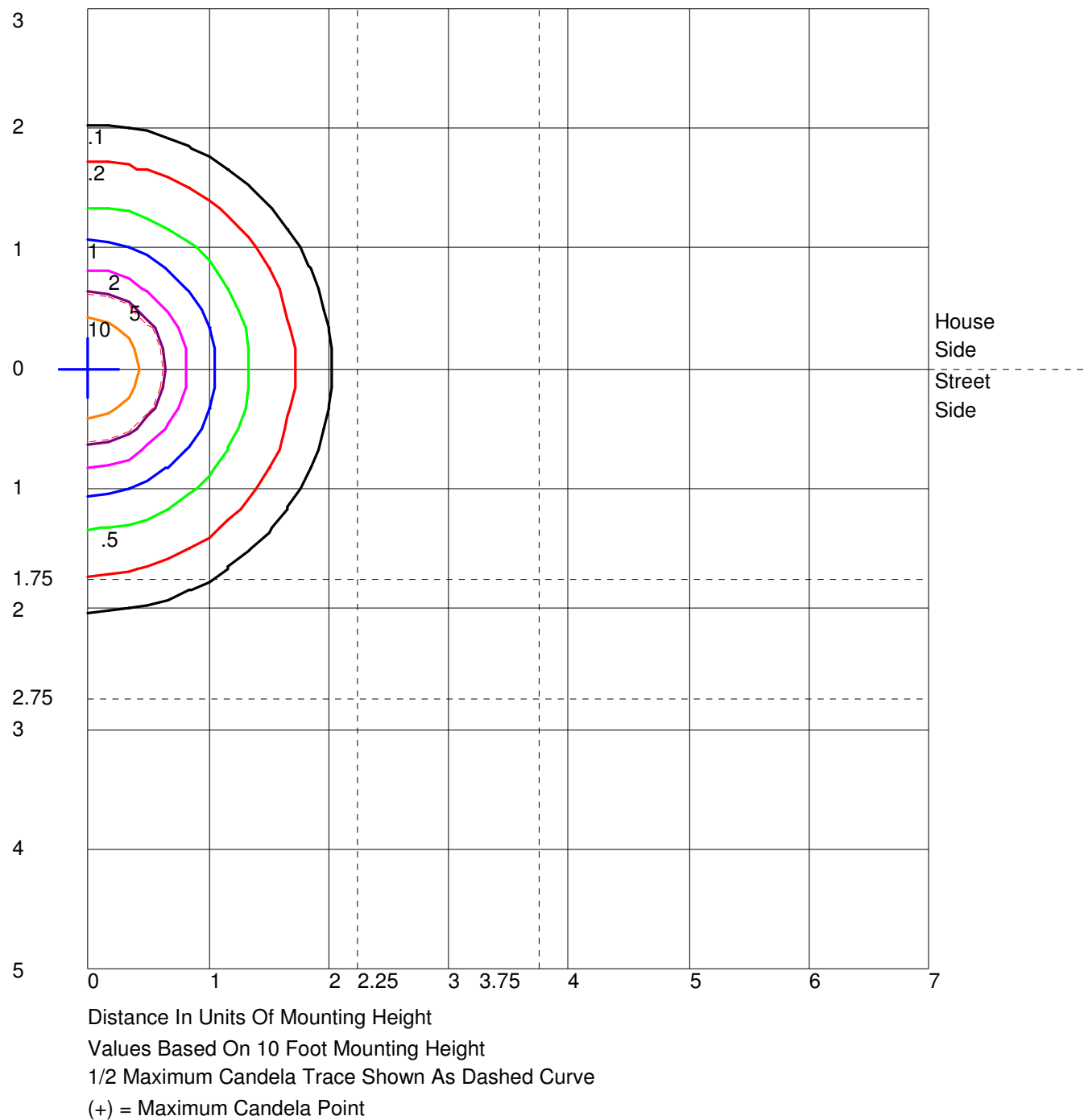
	Lumens	Percent Of Luminaire
Downward Street Side	1062.6	50.0
Downward House Side	1062.6	50.0
Downward Total	2125.2	100.0
Upward Street Side	0.3	0.0
Upward House Side	0.3	0.0
Upward Total	0.6	0.0
Total Flux	2125.8	100.0

POLAR GRAPH

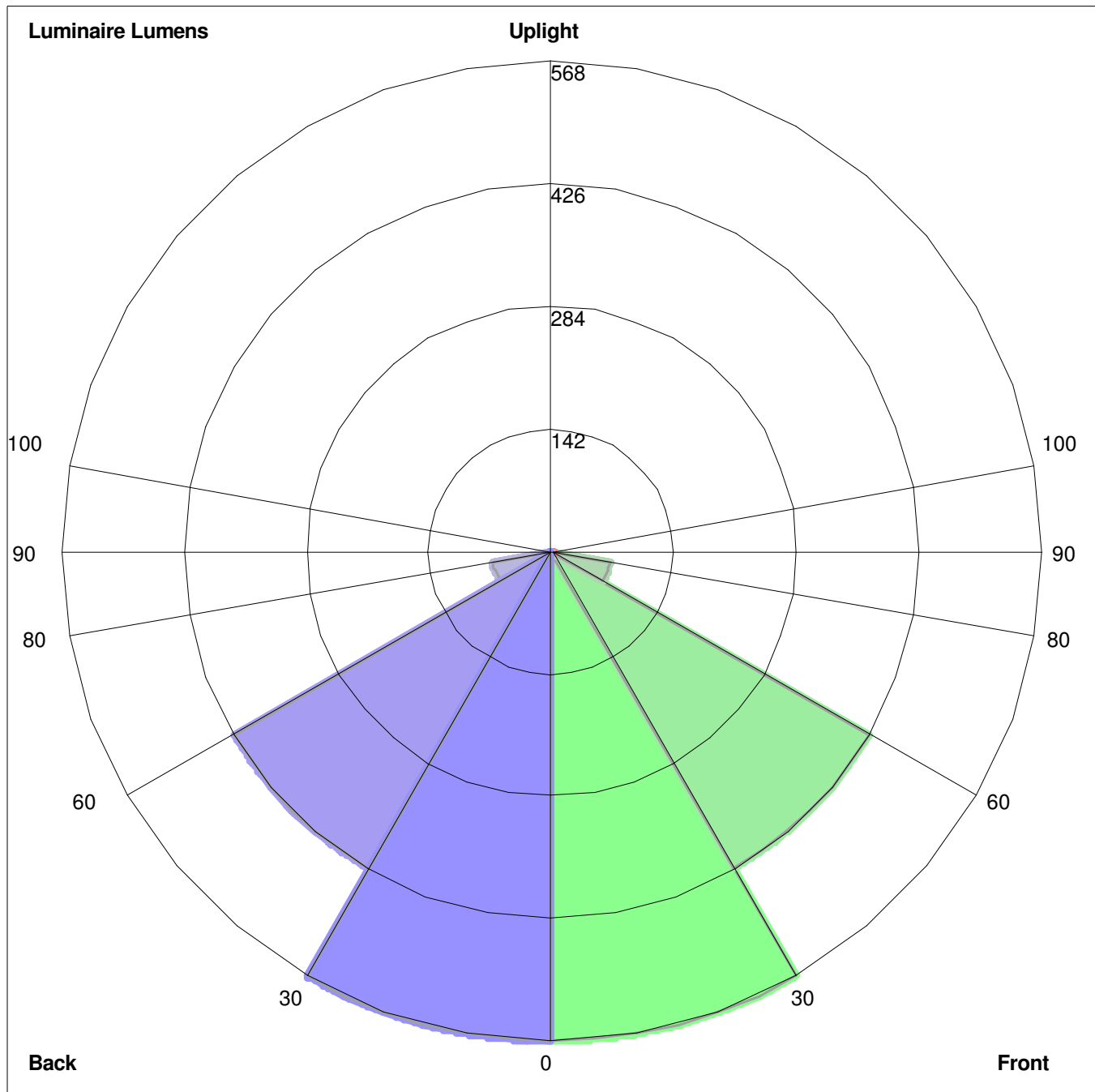


Maximum Candela = 1780.032 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=568.0, Medium=424.0, High=68.7, Very High=2.0
Back: Low=568.0, Medium=424.0, High=68.7, Very High=2.0
Uplight: Low=0.6, High=0.0

BUG Rating : B2-U1-G0