

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-935-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-L20-935-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	2082
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1743.705
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1743.705
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.58 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.188 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-935-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	556.4	N.A.	26.7
FM - Front-Medium (30-60)	415.3	N.A.	19.9
FH - Front-High (60-80)	67.3	N.A.	3.2
FVH - Front-Very High (80-90)	1.9	N.A.	0.1
BL - Back-Low (0-30)	556.4	N.A.	26.7
BM - Back-Medium (30-60)	415.3	N.A.	19.9
BH - Back-High (60-80)	67.3	N.A.	3.2
BVH - Back-Very High (80-90)	1.9	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	2082.4	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	1743.705	1743.705	1743.705	1743.705	1743.705
1	1742.727	1743.293	1742.951	1742.099	1742.448
2	1741.638	1741.505	1740.807	1739.648	1739.411
3	1738.866	1738.887	1737.818	1736.429	1734.795
4	1734.055	1734.641	1733.391	1731.003	1729.893
5	1725.738	1726.129	1724.789	1722.289	1721.723
6	1714.901	1714.378	1711.564	1708.868	1708.729
7	1698.548	1697.500	1693.206	1691.188	1690.113
8	1675.484	1675.205	1671.183	1669.500	1667.908
9	1648.286	1648.335	1645.507	1643.468	1642.351
10	1618.149	1618.526	1615.740	1614.546	1614.190
11	1584.849	1585.945	1583.899	1583.655	1583.641
12	1550.515	1551.834	1550.577	1551.485	1551.066
13	1516.816	1517.752	1518.478	1519.009	1518.024
14	1482.720	1484.032	1485.946	1486.770	1484.535
15	1448.902	1450.872	1452.959	1454.042	1451.507
16	1415.763	1418.667	1420.225	1422.103	1420.455
17	1384.508	1387.266	1387.909	1391.177	1389.710
18	1353.442	1356.780	1357.534	1361.235	1359.650
19	1325.623	1328.283	1329.470	1332.396	1331.328
20	1299.976	1301.218	1302.692	1305.387	1303.132
21	1276.053	1276.151	1277.771	1280.319	1277.044
22	1254.469	1251.613	1254.595	1255.817	1254.553
23	1234.338	1230.358	1233.361	1233.738	1234.115
24	1214.479	1211.407	1213.027	1213.048	1213.369
25	1195.438	1193.154	1192.302	1192.309	1192.924
26	1175.649	1173.198	1170.398	1170.642	1170.035
27	1152.473	1148.542	1144.995	1144.129	1145.162
28	1121.274	1116.645	1111.736	1111.128	1112.860
29	1080.272	1076.159	1068.255	1068.352	1070.357
30	1025.507	1021.806	1012.505	1013.643	1015.186
31	956.958	953.522	944.731	946.442	947.685
32	876.873	874.855	867.139	870.512	871.699
33	789.052	788.451	783.375	787.669	789.149
34	699.533	700.630	698.116	703.388	703.702
35	616.293	616.516	616.670	622.843	622.333
36	542.130	542.046	545.146	551.326	551.549
37	480.675	480.954	485.262	491.414	490.660
38	432.327	434.023	438.723	443.415	443.017
39	398.307	400.555	404.179	407.964	407.838
40	375.069	376.898	379.433	381.730	381.981
41	359.148	359.951	361.739	363.079	363.093
42	346.977	347.263	348.457	349.205	348.625
43	336.741	336.734	337.523	337.781	336.950
44	327.063	327.063	327.433	327.426	326.616
45	317.336	317.398	317.643	317.580	316.749
46	307.406	307.539	307.616	307.567	306.896
47	296.967	297.163	297.267	297.246	296.632
48	286.423	286.577	286.654	286.633	286.123
49	275.642	275.810	275.907	275.789	275.209
50	264.728	264.728	264.812	264.770	264.211
51	253.681	253.681	253.723	253.674	253.200
52	242.516	242.628	242.621	242.565	242.048

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-935-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	231.581	231.637	231.581	231.539	230.883
54	220.695	220.625	220.569	220.388	219.704
55	209.690	209.488	209.425	209.104	208.440
56	198.008	197.848	197.778	197.401	196.779
57	186.208	186.040	185.977	185.509	184.867
58	174.665	174.435	174.274	173.820	173.213
59	163.207	163.025	162.767	162.383	161.824
60	152.055	151.839	151.671	151.224	150.756
61	141.141	140.974	140.820	140.464	140.017
62	130.681	130.507	130.311	130.025	129.599
63	120.500	120.382	120.172	119.928	119.523
64	110.648	110.543	110.403	110.138	109.866
65	101.424	101.221	101.144	100.942	100.753
66	92.269	92.304	92.067	92.025	91.774
67	83.569	83.653	83.520	83.436	83.227
68	75.406	75.406	75.357	75.280	75.183
69	67.558	67.586	67.509	67.488	67.446
70	60.149	60.219	60.149	60.149	60.142
71	53.208	53.257	53.187	53.222	53.229
72	46.686	46.763	46.693	46.735	46.791
73	40.597	40.646	40.618	40.674	40.695
74	34.976	35.004	35.011	35.088	35.060
75	29.767	29.809	29.830	29.893	29.851
76	24.956	24.970	25.019	25.089	25.061
77	20.578	20.599	20.676	20.725	20.704
78	16.626	16.612	16.731	16.745	16.738
79	13.079	13.093	13.204	13.253	13.218
80	10.020	10.013	10.125	10.188	10.160
81	7.346	7.381	7.478	7.541	7.506
82	4.972	5.021	5.090	5.097	5.132
83	3.435	3.449	3.582	3.659	3.750
84	3.184	3.191	3.184	3.184	3.170
85	2.954	2.961	2.954	2.947	2.933
86	2.646	2.646	2.639	2.639	2.619
87	2.227	2.234	2.220	2.220	2.207
88	1.704	1.690	1.690	1.690	1.676
89	1.040	1.040	1.040	1.033	1.019
90	0.454	0.454	0.510	0.559	0.580
91	0.398	0.398	0.398	0.398	0.391
92	0.405	0.412	0.412	0.412	0.412
93	0.433	0.440	0.440	0.440	0.440
94	0.454	0.461	0.468	0.468	0.461
95	0.489	0.489	0.496	0.489	0.489
96	0.517	0.524	0.524	0.524	0.517
97	0.552	0.559	0.559	0.552	0.552
98	0.587	0.587	0.587	0.587	0.580
99	0.621	0.621	0.621	0.628	0.621
100	0.649	0.656	0.649	0.663	0.649
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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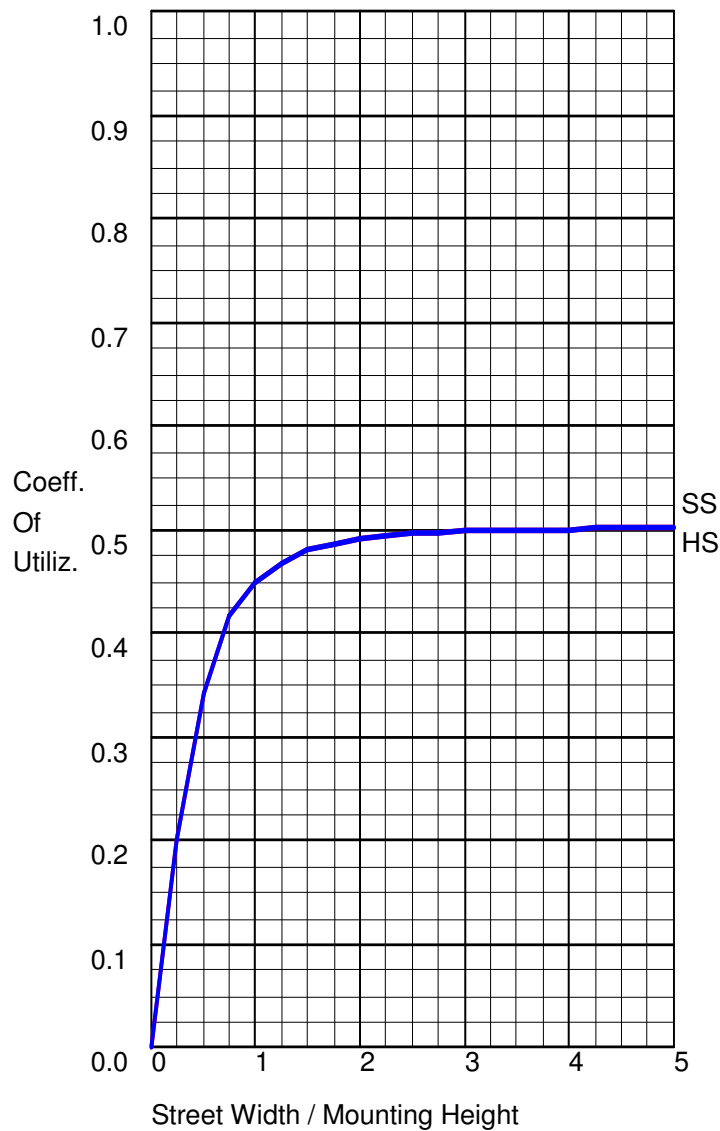
CANDELA TABULATION - (Cont.)

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-L20-935-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

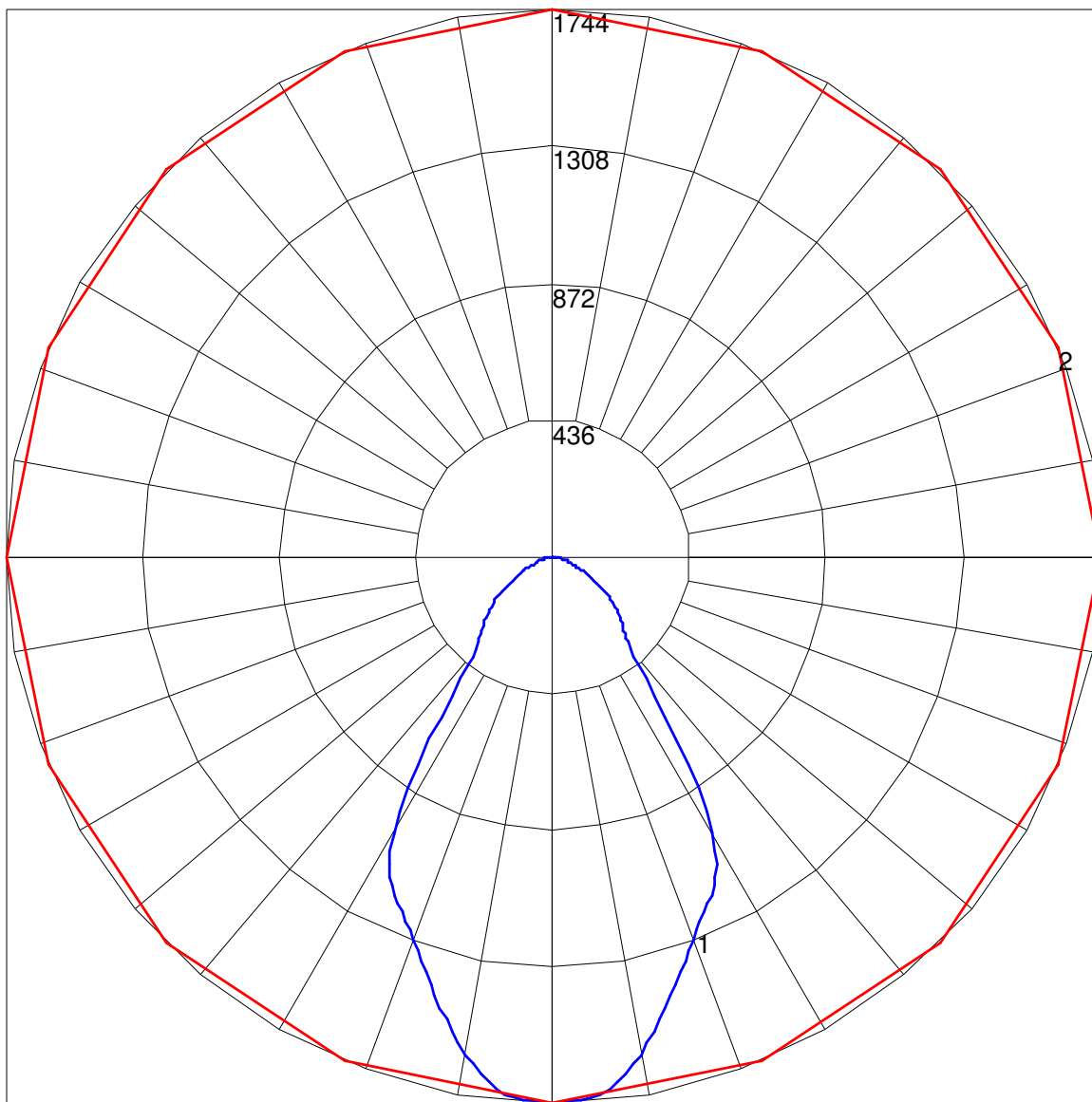
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

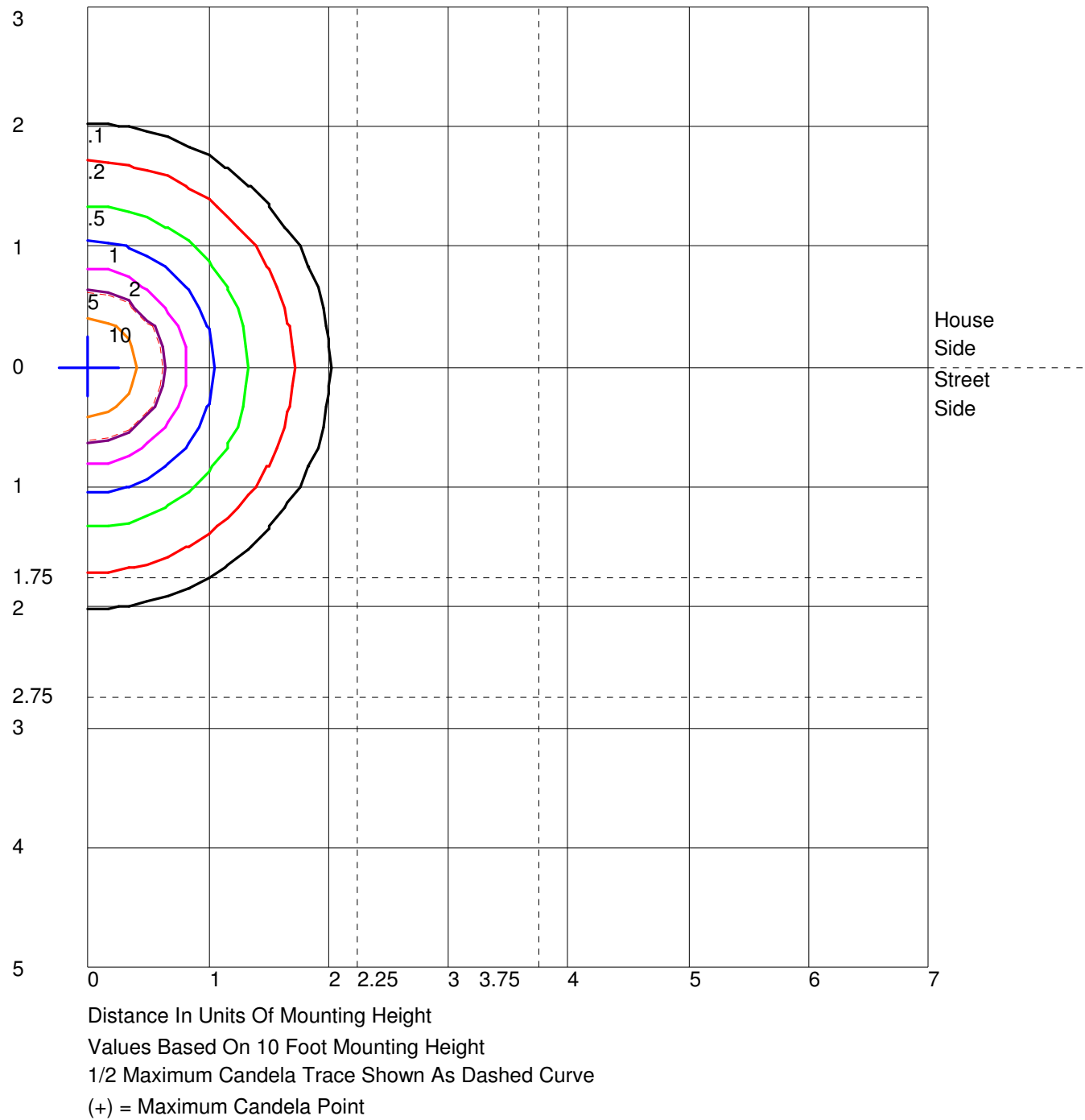
	Lumens	Percent Of Luminaire
Downward Street Side	1040.9	50.0
Downward House Side	1040.9	50.0
Downward Total	2081.8	100.0
Upward Street Side	0.3	0.0
Upward House Side	0.3	0.0
Upward Total	0.6	0.0
Total Flux	2082.4	100.0

POLAR GRAPH

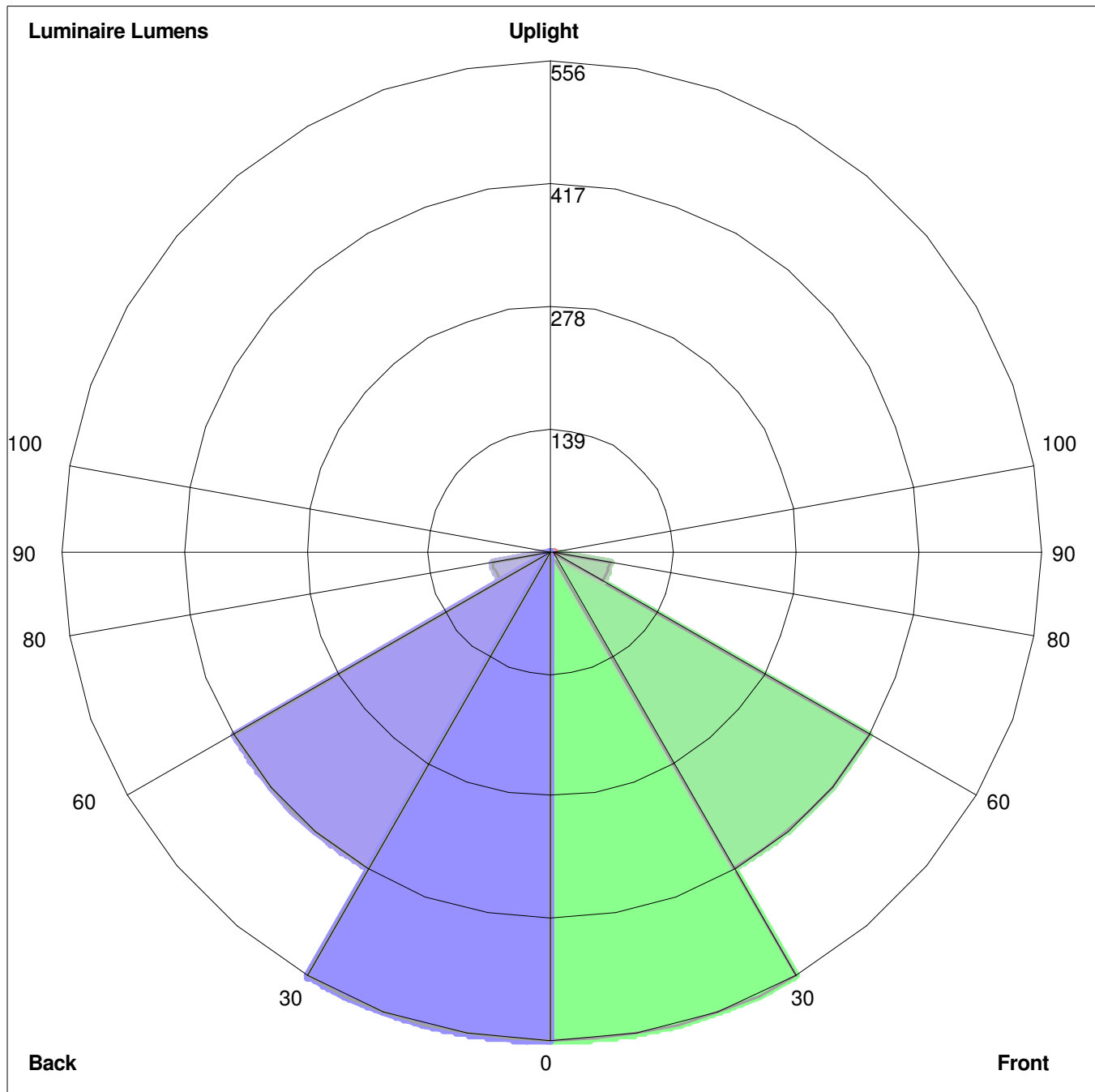


Maximum Candela = 1743.705 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=556.4, Medium=415.3, High=67.3, Very High=1.9
Back: Low=556.4, Medium=415.3, High=67.3, Very High=1.9
Uplight: Low=0.6, High=0.0

BUG Rating : B2-U1-G0