

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-927-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-L20-927-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	2017
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1689.214
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1689.214
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.561 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.869 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-927-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	539.0	N.A.	26.7
FM - Front-Medium (30-60)	402.3	N.A.	19.9
FH - Front-High (60-80)	65.2	N.A.	3.2
FVH - Front-Very High (80-90)	1.9	N.A.	0.1
BL - Back-Low (0-30)	539.0	N.A.	26.7
BM - Back-Medium (30-60)	402.3	N.A.	19.9
BH - Back-High (60-80)	65.2	N.A.	3.2
BVH - Back-Very High (80-90)	1.9	N.A.	0.1
UL - Uplight-Low (90-100)	0.5	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2017.3	N.A.	100.0
BUG Rating	B2-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-927-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	1689.214	1689.214	1689.214	1689.214	1689.214
1	1688.267	1688.815	1688.484	1687.658	1687.997
2	1687.212	1687.083	1686.407	1685.284	1685.054
3	1684.526	1684.547	1683.512	1682.166	1680.583
4	1679.866	1680.434	1679.223	1676.910	1675.834
5	1671.809	1672.188	1670.889	1668.467	1667.920
6	1661.311	1660.803	1658.077	1655.466	1655.331
7	1645.468	1644.454	1640.293	1638.338	1637.297
8	1623.125	1622.855	1618.958	1617.328	1615.786
9	1596.777	1596.825	1594.085	1592.110	1591.028
10	1567.582	1567.947	1565.248	1564.091	1563.746
11	1535.322	1536.384	1534.402	1534.165	1534.152
12	1502.061	1503.340	1502.122	1503.001	1502.596
13	1469.416	1470.322	1471.026	1471.540	1470.586
14	1436.385	1437.656	1439.510	1440.308	1438.143
15	1403.624	1405.532	1407.554	1408.603	1406.147
16	1371.520	1374.334	1375.843	1377.662	1376.066
17	1341.242	1343.914	1344.536	1347.702	1346.282
18	1311.147	1314.380	1315.111	1318.696	1317.161
19	1284.197	1286.775	1287.925	1290.759	1289.724
20	1259.351	1260.555	1261.983	1264.594	1262.409
21	1236.176	1236.271	1237.840	1240.309	1237.137
22	1215.267	1212.500	1215.389	1216.573	1215.348
23	1195.765	1191.909	1194.818	1195.183	1195.549
24	1176.527	1173.551	1175.120	1175.140	1175.451
25	1158.080	1155.868	1155.043	1155.050	1155.645
26	1138.910	1136.535	1133.823	1134.059	1133.471
27	1116.458	1112.650	1109.214	1108.375	1109.376
28	1086.235	1081.750	1076.994	1076.406	1078.083
29	1046.513	1042.529	1034.872	1034.967	1036.908
30	993.460	989.874	980.864	981.967	983.462
31	927.053	923.725	915.208	916.865	918.069
32	849.471	847.516	840.041	843.308	844.458
33	764.394	763.812	758.894	763.054	764.489
34	677.673	678.735	676.300	681.407	681.711
35	597.034	597.250	597.399	603.379	602.885
36	525.188	525.107	528.110	534.097	534.313
37	465.654	465.924	470.098	476.058	475.327
38	418.816	420.460	425.013	429.558	429.173
39	385.860	388.038	391.549	395.215	395.093
40	363.348	365.120	367.575	369.801	370.044
41	347.925	348.703	350.434	351.733	351.747
42	336.134	336.411	337.568	338.292	337.731
43	326.217	326.211	326.975	327.225	326.420
44	316.842	316.842	317.200	317.194	316.409
45	307.419	307.480	307.717	307.656	306.851
46	297.800	297.928	298.003	297.955	297.306
47	287.687	287.876	287.978	287.957	287.362
48	277.472	277.621	277.696	277.675	277.182
49	267.028	267.190	267.285	267.170	266.609
50	256.455	256.455	256.536	256.496	255.955
51	245.754	245.754	245.794	245.747	245.287
52	234.937	235.046	235.039	234.985	234.484

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-927-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	224.344	224.398	224.344	224.304	223.668
54	213.798	213.731	213.677	213.501	212.838
55	203.138	202.941	202.880	202.569	201.927
56	191.821	191.665	191.597	191.232	190.630
57	180.389	180.226	180.165	179.712	179.090
58	169.207	168.984	168.828	168.388	167.800
59	158.106	157.930	157.680	157.308	156.767
60	147.303	147.094	146.931	146.498	146.045
61	136.731	136.568	136.419	136.074	135.641
62	126.597	126.428	126.239	125.962	125.549
63	116.735	116.620	116.417	116.180	115.788
64	107.190	107.089	106.953	106.696	106.432
65	98.254	98.058	97.984	97.787	97.605
66	89.386	89.420	89.190	89.149	88.906
67	80.957	81.039	80.910	80.829	80.626
68	73.050	73.050	73.002	72.928	72.833
69	65.446	65.473	65.399	65.379	65.338
70	58.269	58.337	58.269	58.269	58.263
71	51.545	51.593	51.525	51.559	51.566
72	45.227	45.302	45.234	45.275	45.329
73	39.329	39.376	39.349	39.403	39.423
74	33.883	33.910	33.917	33.992	33.964
75	28.837	28.878	28.898	28.959	28.918
76	24.176	24.190	24.237	24.305	24.278
77	19.935	19.955	20.030	20.077	20.057
78	16.106	16.093	16.208	16.221	16.214
79	12.670	12.683	12.792	12.839	12.805
80	9.707	9.700	9.809	9.869	9.842
81	7.116	7.150	7.245	7.306	7.272
82	4.816	4.864	4.931	4.938	4.972
83	3.328	3.342	3.470	3.545	3.633
84	3.085	3.091	3.085	3.085	3.071
85	2.861	2.868	2.861	2.855	2.841
86	2.564	2.564	2.557	2.557	2.537
87	2.158	2.165	2.151	2.151	2.138
88	1.651	1.637	1.637	1.637	1.623
89	1.008	1.008	1.008	1.001	0.988
90	0.440	0.440	0.494	0.541	0.561
91	0.386	0.386	0.386	0.386	0.379
92	0.392	0.399	0.399	0.399	0.399
93	0.419	0.426	0.426	0.426	0.426
94	0.440	0.446	0.453	0.453	0.446
95	0.474	0.474	0.480	0.474	0.474
96	0.501	0.507	0.507	0.507	0.501
97	0.534	0.541	0.541	0.534	0.534
98	0.568	0.568	0.568	0.568	0.561
99	0.602	0.602	0.602	0.609	0.602
100	0.629	0.636	0.629	0.643	0.629
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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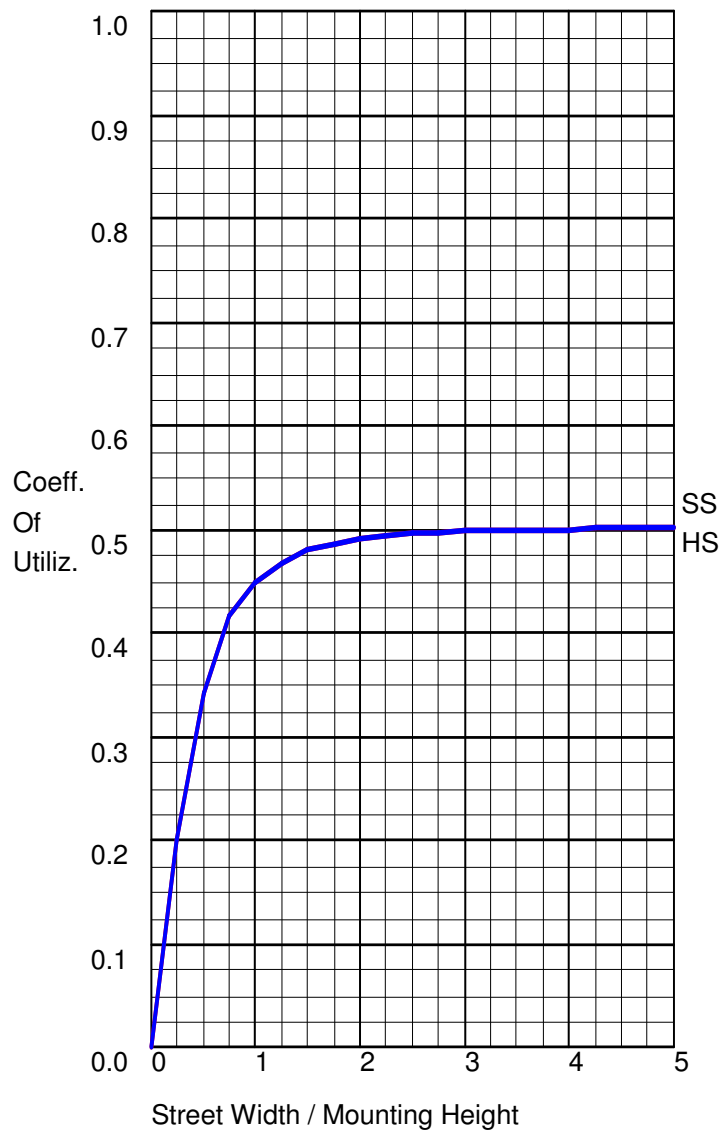
CANDELA TABULATION - (Cont.)

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-L20-927-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

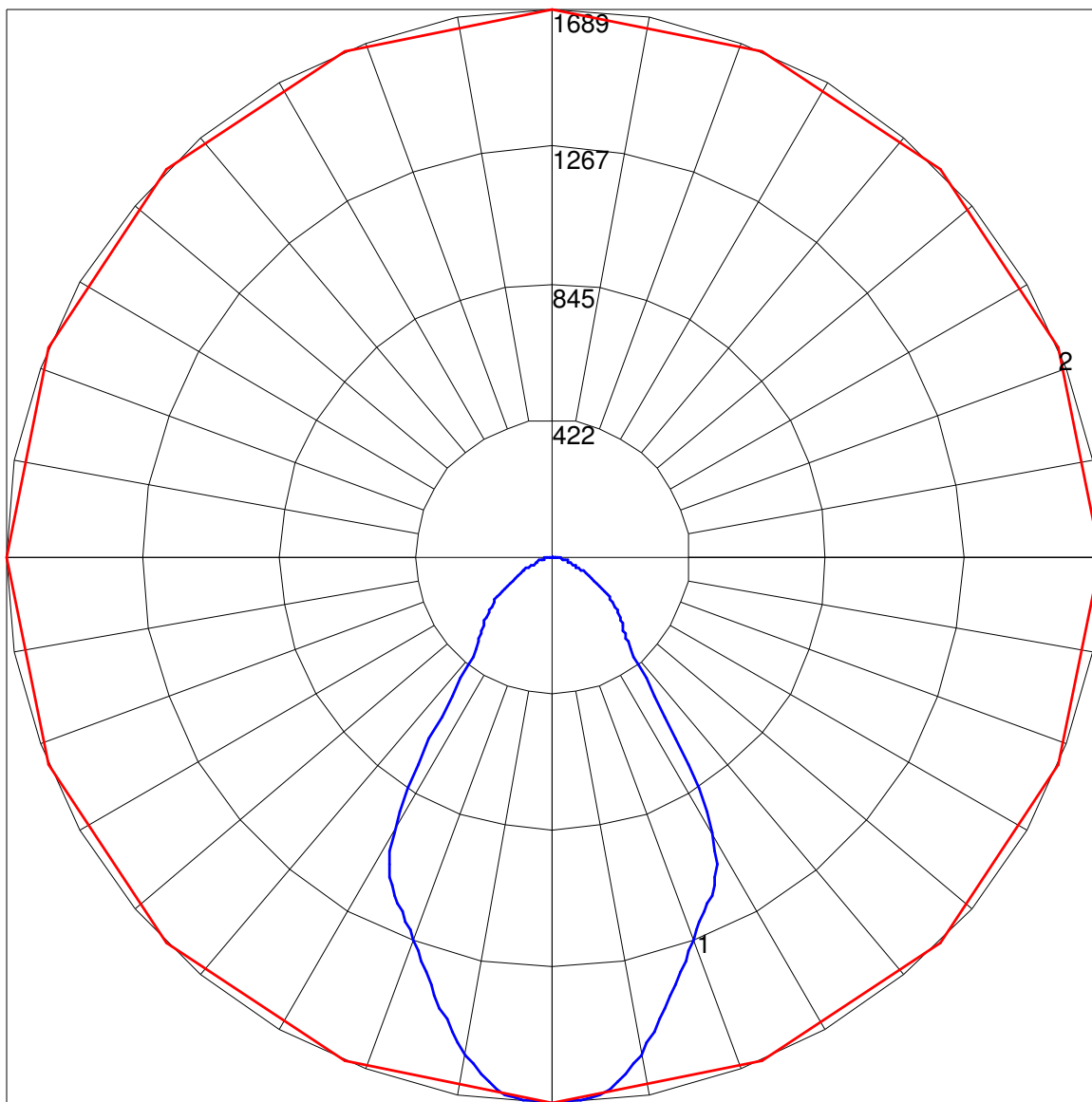
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

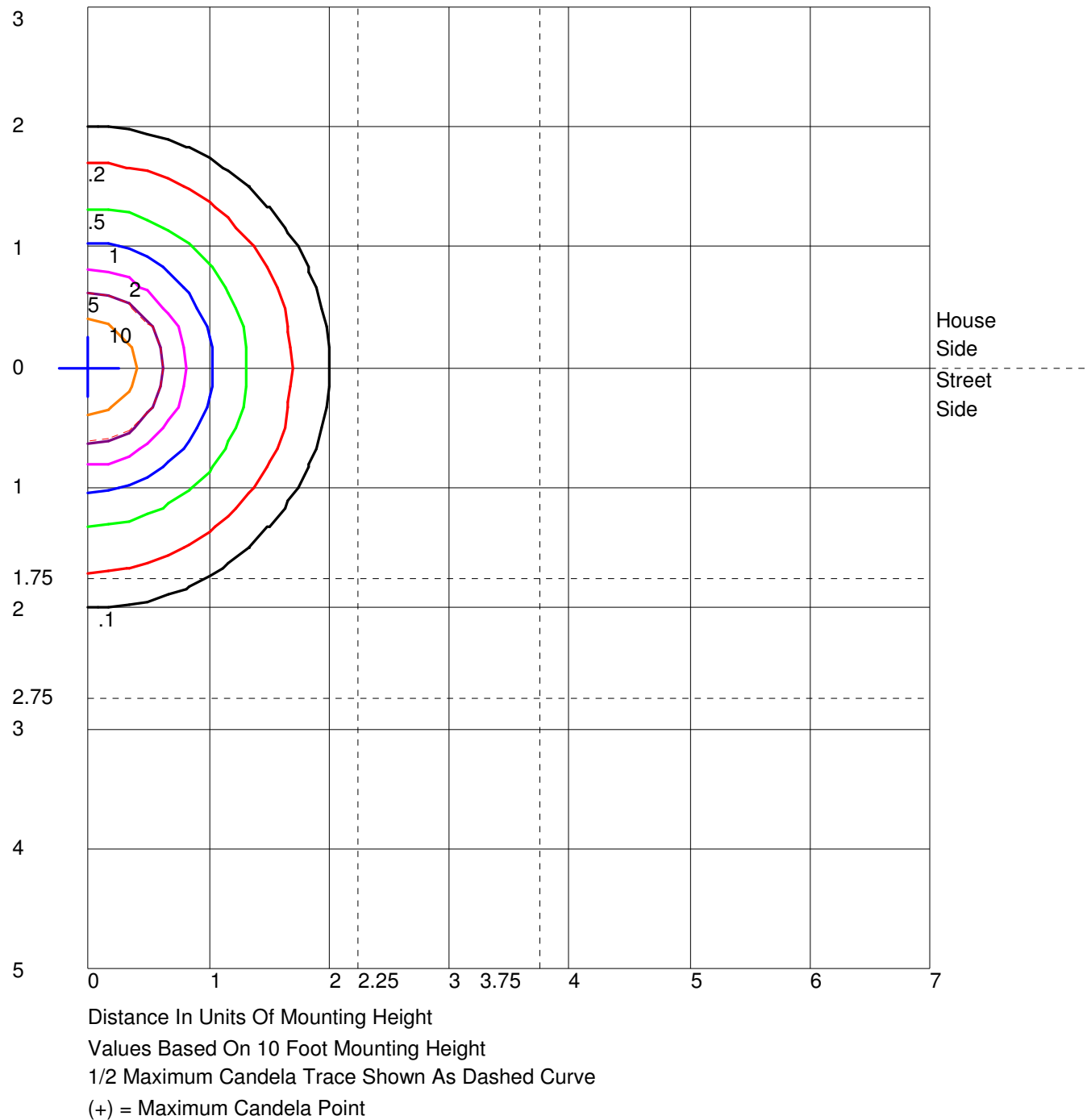
	Lumens	Percent Of Luminaire
Downward Street Side	1008.4	50.0
Downward House Side	1008.4	50.0
Downward Total	2016.8	100.0
Upward Street Side	0.3	0.0
Upward House Side	0.3	0.0
Upward Total	0.6	0.0
Total Flux	2017.4	100.0

POLAR GRAPH

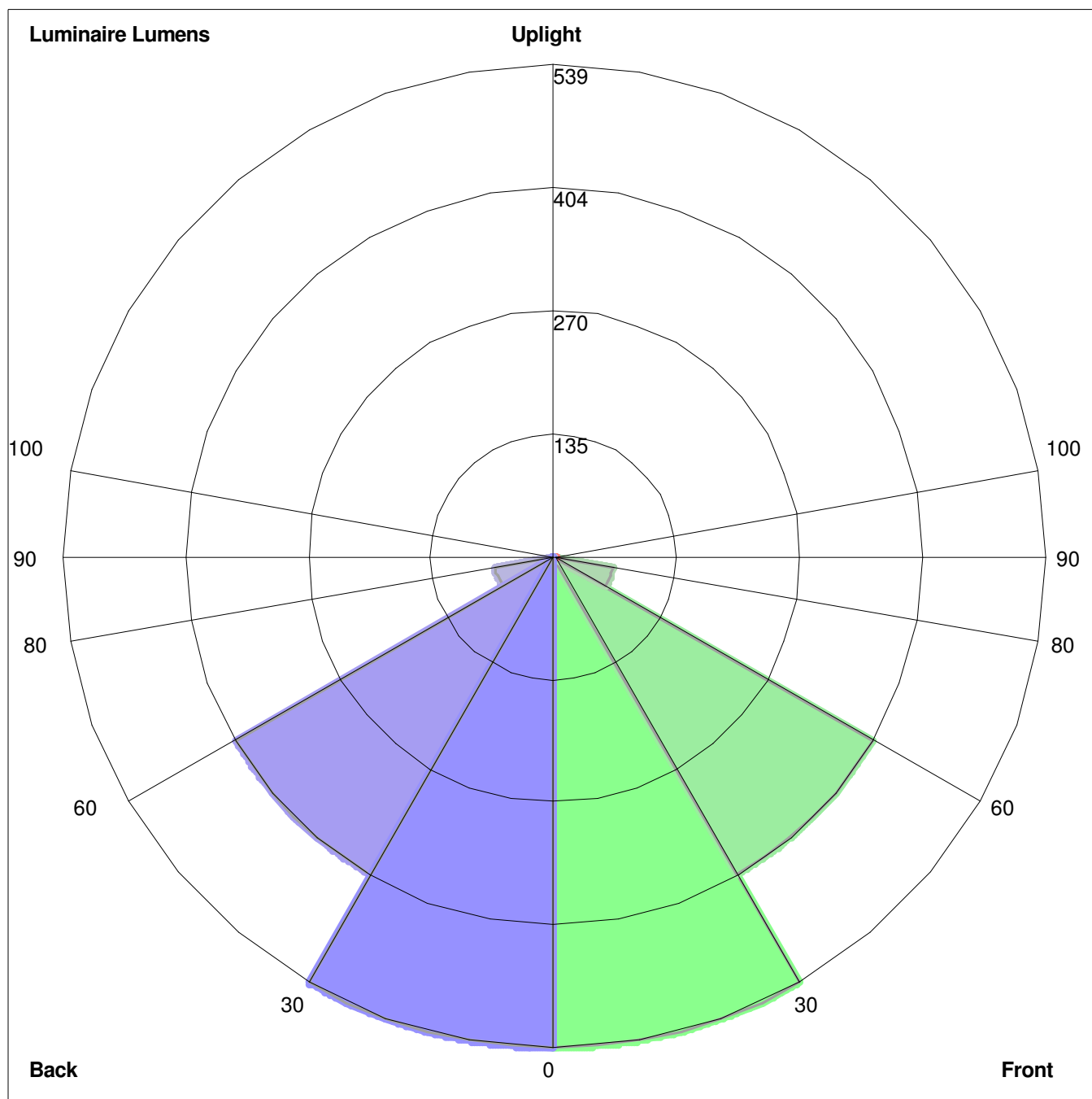


Maximum Candela = 1689.214 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=539.0, Medium=402.3, High=65.2, Very High=1.9
Back: Low=539.0, Medium=402.3, High=65.2, Very High=1.9
Uplight: Low=0.5, High=0.0

BUG Rating : B2-U1-G0