

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-930-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-L20-930-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	2061
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1725.541
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1725.541
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.574 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.082 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-930-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	550.6	N.A.	26.7
FM - Front-Medium (30-60)	411.0	N.A.	19.9
FH - Front-High (60-80)	66.6	N.A.	3.2
FVH - Front-Very High (80-90)	1.9	N.A.	0.1
BL - Back-Low (0-30)	550.6	N.A.	26.7
BM - Back-Medium (30-60)	411.0	N.A.	19.9
BH - Back-High (60-80)	66.6	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	2060.7	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	1725.541	1725.541	1725.541	1725.541	1725.541
1	1724.574	1725.134	1724.795	1723.952	1724.298
2	1723.496	1723.365	1722.674	1721.527	1721.292
3	1720.753	1720.773	1719.716	1718.341	1716.724
4	1715.992	1716.572	1715.335	1712.972	1711.873
5	1707.762	1708.149	1706.822	1704.349	1703.789
6	1697.038	1696.520	1693.735	1691.068	1690.929
7	1680.855	1679.818	1675.569	1673.572	1672.507
8	1658.031	1657.755	1653.775	1652.109	1650.534
9	1631.117	1631.165	1628.367	1626.349	1625.243
10	1601.293	1601.667	1598.909	1597.728	1597.375
11	1568.340	1569.425	1567.400	1567.158	1567.144
12	1534.364	1535.669	1534.426	1535.324	1534.909
13	1501.016	1501.942	1502.661	1503.186	1502.211
14	1467.275	1468.574	1470.467	1471.282	1469.071
15	1433.810	1435.758	1437.824	1438.896	1436.387
16	1401.015	1403.890	1405.431	1407.289	1405.659
17	1370.086	1372.816	1373.451	1376.685	1375.234
18	1339.344	1342.647	1343.393	1347.055	1345.487
19	1311.814	1314.447	1315.622	1318.517	1317.460
20	1286.434	1287.664	1289.122	1291.789	1289.557
21	1262.761	1262.857	1264.460	1266.983	1263.742
22	1241.402	1238.576	1241.526	1242.736	1241.485
23	1221.481	1217.542	1220.513	1220.886	1221.259
24	1201.829	1198.788	1200.391	1200.412	1200.730
25	1182.985	1180.726	1179.883	1179.889	1180.498
26	1163.402	1160.977	1158.206	1158.448	1157.847
27	1140.468	1136.578	1133.068	1132.211	1133.233
28	1109.594	1105.013	1100.155	1099.554	1101.268
29	1069.019	1064.949	1057.127	1057.224	1059.207
30	1014.824	1011.162	1001.958	1003.084	1004.611
31	946.989	943.590	934.890	936.583	937.813
32	867.739	865.742	858.106	861.444	862.619
33	780.832	780.238	775.215	779.464	780.929
34	692.247	693.332	690.844	696.061	696.372
35	609.873	610.094	610.246	616.355	615.850
36	536.482	536.399	539.467	545.583	545.804
37	475.668	475.944	480.208	486.295	485.549
38	427.823	429.502	434.153	438.796	438.402
39	394.158	396.383	399.969	403.714	403.590
40	371.162	372.972	375.480	377.754	378.002
41	355.407	356.202	357.970	359.297	359.311
42	343.363	343.646	344.828	345.567	344.994
43	333.233	333.226	334.007	334.262	333.440
44	323.656	323.656	324.022	324.015	323.213
45	314.030	314.092	314.334	314.272	313.450
46	304.204	304.335	304.411	304.363	303.700
47	293.874	294.067	294.171	294.150	293.542
48	283.440	283.592	283.668	283.647	283.143
49	272.771	272.937	273.033	272.916	272.342
50	261.970	261.970	262.053	262.012	261.459
51	251.039	251.039	251.080	251.032	250.562
52	239.990	240.100	240.093	240.038	239.527

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-930-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	229.169	229.224	229.169	229.127	228.478
54	218.396	218.327	218.272	218.092	217.415
55	207.506	207.306	207.244	206.926	206.269
56	195.946	195.787	195.718	195.345	194.730
57	184.268	184.102	184.040	183.577	182.941
58	172.846	172.618	172.459	172.010	171.408
59	161.506	161.327	161.071	160.691	160.138
60	150.471	150.257	150.091	149.649	149.186
61	139.671	139.505	139.353	139.001	138.559
62	129.320	129.147	128.954	128.670	128.249
63	119.245	119.128	118.920	118.679	118.278
64	109.495	109.392	109.253	108.991	108.721
65	100.367	100.167	100.091	99.890	99.704
66	91.308	91.343	91.108	91.066	90.818
67	82.698	82.781	82.650	82.567	82.360
68	74.621	74.621	74.572	74.496	74.400
69	66.854	66.882	66.805	66.785	66.743
70	59.522	59.591	59.522	59.522	59.515
71	52.654	52.702	52.633	52.668	52.675
72	46.200	46.276	46.207	46.248	46.304
73	40.175	40.223	40.195	40.251	40.271
74	34.612	34.640	34.647	34.723	34.695
75	29.457	29.499	29.519	29.582	29.540
76	24.696	24.710	24.758	24.827	24.800
77	20.364	20.384	20.460	20.509	20.488
78	16.453	16.439	16.556	16.570	16.563
79	12.942	12.956	13.067	13.115	13.081
80	9.916	9.909	10.019	10.082	10.054
81	7.269	7.304	7.401	7.463	7.428
82	4.920	4.968	5.037	5.044	5.079
83	3.400	3.414	3.545	3.621	3.711
84	3.151	3.158	3.151	3.151	3.137
85	2.923	2.930	2.923	2.916	2.902
86	2.619	2.619	2.612	2.612	2.591
87	2.204	2.211	2.197	2.197	2.184
88	1.686	1.672	1.672	1.672	1.658
89	1.030	1.030	1.030	1.023	1.009
90	0.449	0.449	0.504	0.553	0.574
91	0.394	0.394	0.394	0.394	0.387
92	0.401	0.408	0.408	0.408	0.408
93	0.428	0.435	0.435	0.435	0.435
94	0.449	0.456	0.463	0.463	0.456
95	0.484	0.484	0.491	0.484	0.484
96	0.511	0.518	0.518	0.518	0.511
97	0.546	0.553	0.553	0.546	0.546
98	0.580	0.580	0.580	0.580	0.574
99	0.615	0.615	0.615	0.622	0.615
100	0.643	0.650	0.643	0.656	0.643
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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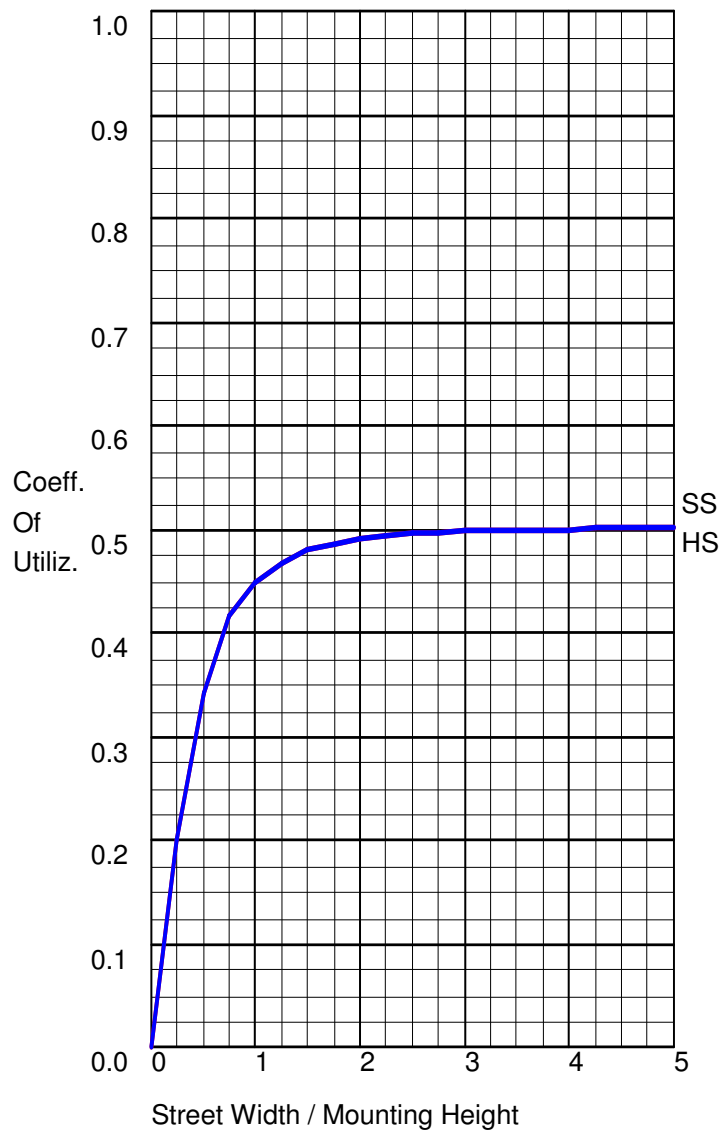
CANDELA TABULATION - (Cont.)

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-L20-930-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

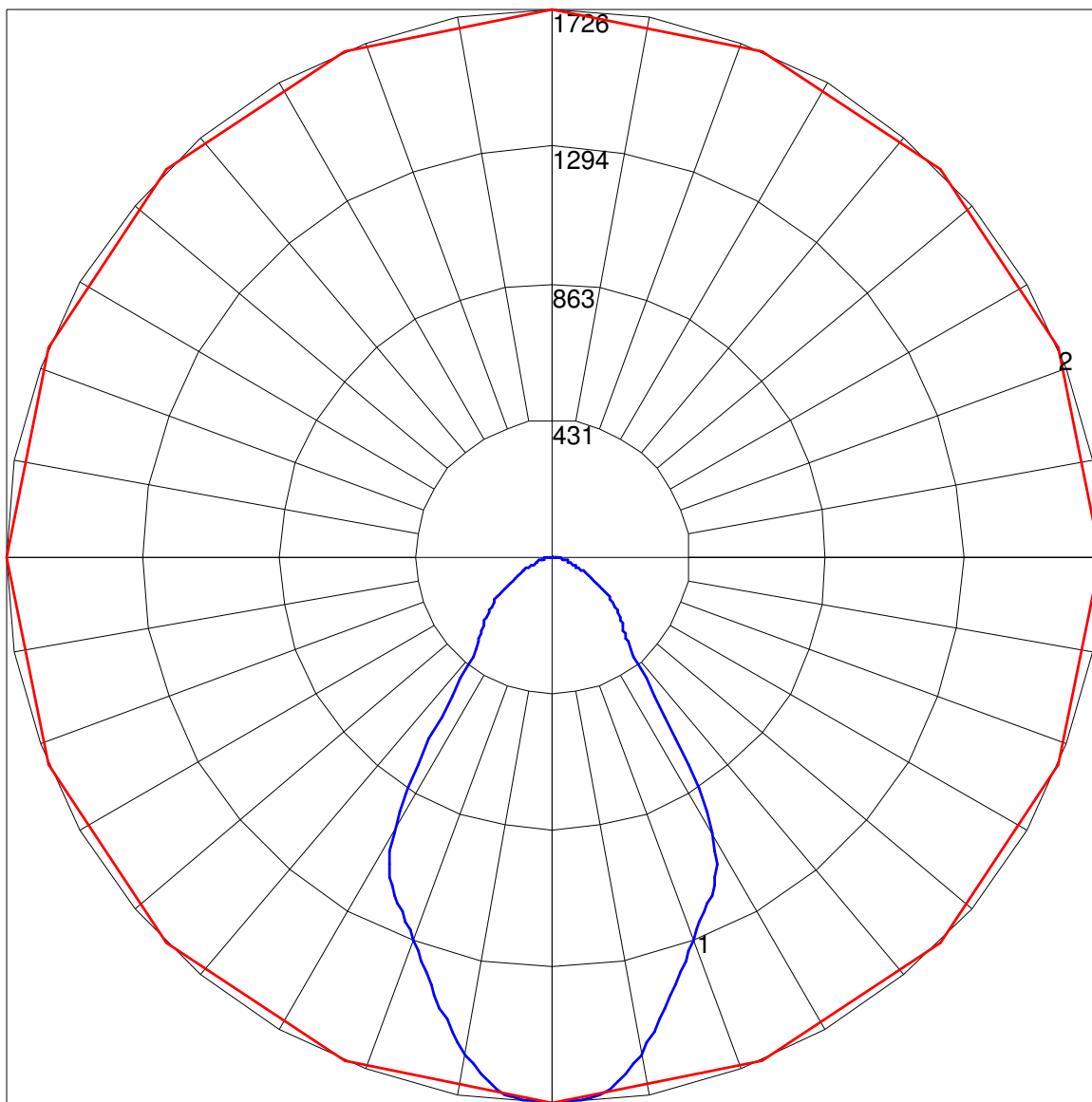
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

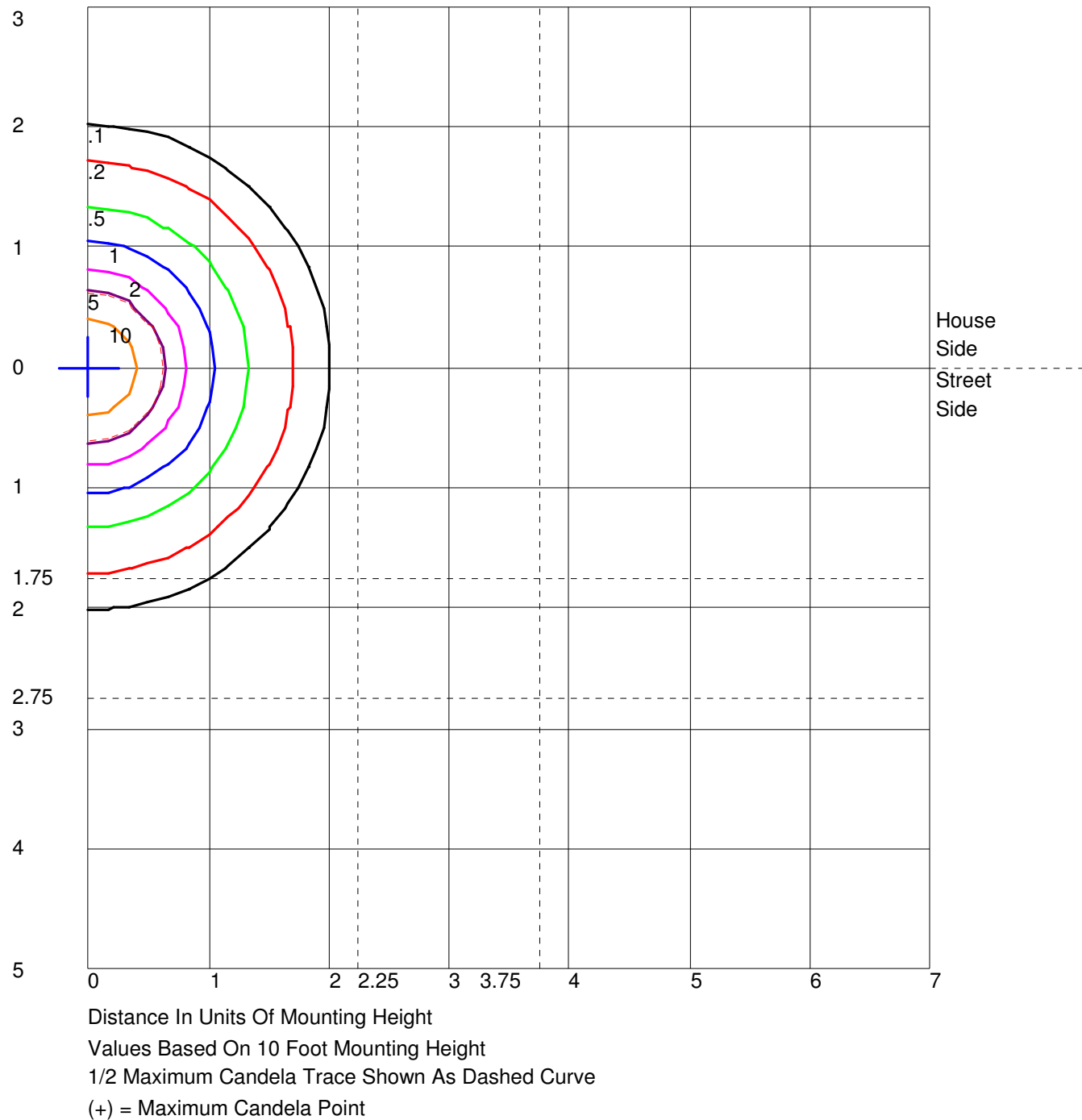
	Lumens	Percent Of Luminaire
Downward Street Side	1030.1	50.0
Downward House Side	1030.1	50.0
Downward Total	2060.2	100.0
Upward Street Side	0.3	0.0
Upward House Side	0.3	0.0
Upward Total	0.6	0.0
Total Flux	2060.8	100.0

POLAR GRAPH

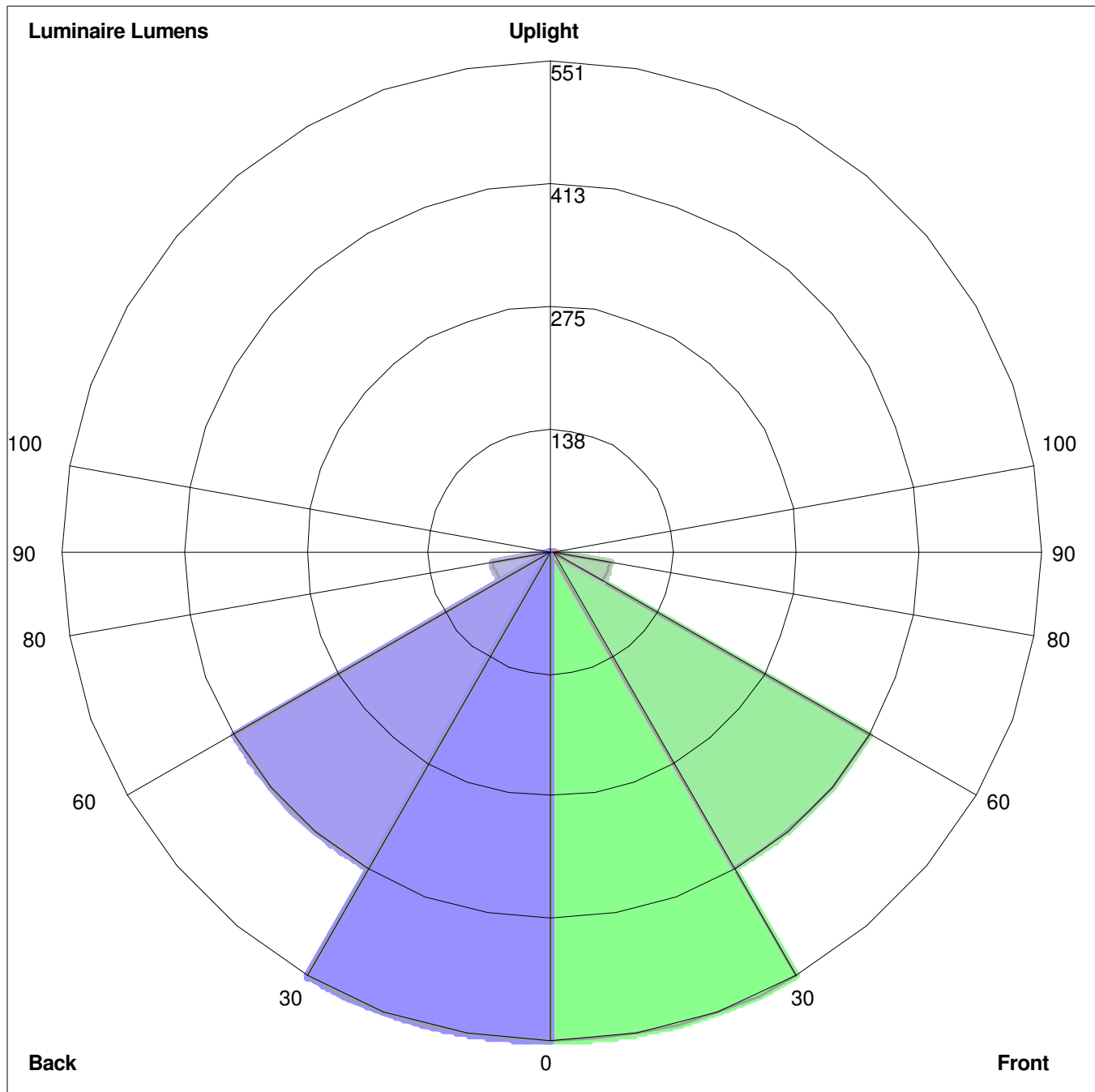


Maximum Candela = 1725.541 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=550.6, Medium=411.0, High=66.6, Very High=1.9
Back: Low=550.6, Medium=411.0, High=66.6, Very High=1.9
Uplight: Low=0.5, High=0.0

BUG Rating : B2-U1-G0