

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-850-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-L20-850-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	2147
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1798.196
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1798.196
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.598 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.506 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-850-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	573.8	N.A.	26.7
FM - Front-Medium (30-60)	428.3	N.A.	19.9
FH - Front-High (60-80)	69.4	N.A.	3.2
FVH - Front-Very High (80-90)	2.0	N.A.	0.1
BL - Back-Low (0-30)	573.8	N.A.	26.7
BM - Back-Medium (30-60)	428.3	N.A.	19.9
BH - Back-High (60-80)	69.4	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	2147.6	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	1798.196	1798.196	1798.196	1798.196	1798.196
1	1797.188	1797.771	1797.418	1796.540	1796.900
2	1796.064	1795.928	1795.208	1794.012	1793.767
3	1793.206	1793.227	1792.126	1790.693	1789.008
4	1788.244	1788.849	1787.560	1785.097	1783.953
5	1779.668	1780.071	1778.689	1776.111	1775.527
6	1768.492	1767.952	1765.050	1762.271	1762.127
7	1751.628	1750.548	1746.119	1744.038	1742.929
8	1727.843	1727.555	1723.407	1721.672	1720.030
9	1699.796	1699.846	1696.930	1694.827	1693.675
10	1668.716	1669.105	1666.232	1665.001	1664.634
11	1634.375	1635.506	1633.396	1633.144	1633.130
12	1598.968	1600.329	1599.033	1599.969	1599.537
13	1564.217	1565.182	1565.931	1566.478	1565.463
14	1529.055	1530.409	1532.382	1533.231	1530.927
15	1494.181	1496.212	1498.365	1499.481	1496.867
16	1460.005	1463.001	1464.607	1466.544	1464.844
17	1427.774	1430.618	1431.281	1434.651	1433.139
18	1395.737	1399.179	1399.957	1403.773	1402.139
19	1367.049	1369.792	1371.017	1374.034	1372.932
20	1340.600	1341.882	1343.401	1346.181	1343.855
21	1315.930	1316.030	1317.701	1320.329	1316.952
22	1293.672	1290.726	1293.801	1295.061	1293.758
23	1272.911	1268.807	1271.903	1272.292	1272.681
24	1252.432	1249.264	1250.934	1250.956	1251.287
25	1232.795	1230.440	1229.562	1229.569	1230.203
26	1212.388	1209.860	1206.973	1207.225	1206.598
27	1188.488	1184.434	1180.776	1179.883	1180.949
28	1156.314	1151.540	1146.478	1145.851	1147.637
29	1114.031	1109.789	1101.638	1101.739	1103.805
30	1057.554	1053.737	1044.146	1045.320	1046.911
31	986.863	983.320	974.254	976.018	977.300
32	904.275	902.194	894.237	897.715	898.940
33	813.710	813.090	807.855	812.284	813.810
34	721.394	722.525	719.932	725.369	725.693
35	635.552	635.782	635.941	642.306	641.781
36	559.071	558.985	562.182	568.555	568.785
37	495.696	495.984	500.427	506.771	505.993
38	445.837	447.587	452.433	457.272	456.861
39	410.754	413.073	416.810	420.713	420.583
40	386.789	388.676	391.290	393.659	393.918
41	370.371	371.200	373.043	374.426	374.440
42	357.820	358.115	359.347	360.117	359.520
43	347.264	347.257	348.070	348.337	347.480
44	337.283	337.283	337.665	337.658	336.822
45	327.252	327.317	327.569	327.504	326.648
46	317.013	317.150	317.229	317.178	316.487
47	306.247	306.449	306.557	306.535	305.902
48	295.374	295.532	295.612	295.590	295.064
49	284.256	284.429	284.529	284.407	283.809
50	273.001	273.001	273.087	273.044	272.468
51	261.609	261.609	261.652	261.602	261.112
52	250.095	250.210	250.203	250.145	249.612

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CANDELA TABULATION - (Cont.)

53	238.818	238.876	238.818	238.775	238.098
54	227.592	227.520	227.462	227.275	226.569
55	216.243	216.034	215.970	215.638	214.954
56	204.196	204.030	203.958	203.570	202.929
57	192.027	191.854	191.789	191.306	190.644
58	180.123	179.886	179.720	179.252	178.626
59	168.307	168.120	167.853	167.457	166.881
60	156.807	156.584	156.411	155.950	155.468
61	145.552	145.379	145.221	144.853	144.393
62	134.765	134.585	134.383	134.088	133.649
63	124.266	124.144	123.928	123.676	123.258
64	114.106	113.998	113.854	113.580	113.299
65	104.593	104.384	104.305	104.096	103.902
66	95.153	95.189	94.944	94.901	94.642
67	86.180	86.267	86.130	86.044	85.828
68	77.763	77.763	77.712	77.633	77.532
69	69.669	69.698	69.618	69.597	69.554
70	62.029	62.101	62.029	62.029	62.021
71	54.871	54.921	54.849	54.885	54.893
72	48.145	48.224	48.152	48.196	48.253
73	41.866	41.916	41.888	41.945	41.967
74	36.069	36.098	36.105	36.185	36.156
75	30.697	30.741	30.762	30.827	30.784
76	25.736	25.750	25.801	25.873	25.844
77	21.221	21.243	21.322	21.372	21.351
78	17.145	17.131	17.253	17.268	17.261
79	13.487	13.502	13.617	13.667	13.631
80	10.333	10.326	10.441	10.506	10.477
81	7.575	7.611	7.712	7.777	7.741
82	5.127	5.177	5.249	5.257	5.293
83	3.543	3.557	3.694	3.773	3.867
84	3.284	3.291	3.284	3.284	3.269
85	3.046	3.053	3.046	3.039	3.024
86	2.729	2.729	2.722	2.722	2.700
87	2.297	2.304	2.290	2.290	2.275
88	1.757	1.743	1.743	1.743	1.728
89	1.073	1.073	1.073	1.066	1.051
90	0.468	0.468	0.526	0.576	0.598
91	0.410	0.410	0.410	0.410	0.403
92	0.418	0.425	0.425	0.425	0.425
93	0.446	0.454	0.454	0.454	0.454
94	0.468	0.475	0.482	0.482	0.475
95	0.504	0.504	0.511	0.504	0.504
96	0.533	0.540	0.540	0.540	0.533
97	0.569	0.576	0.576	0.569	0.569
98	0.605	0.605	0.605	0.605	0.598
99	0.641	0.641	0.641	0.648	0.641
100	0.670	0.677	0.670	0.684	0.670
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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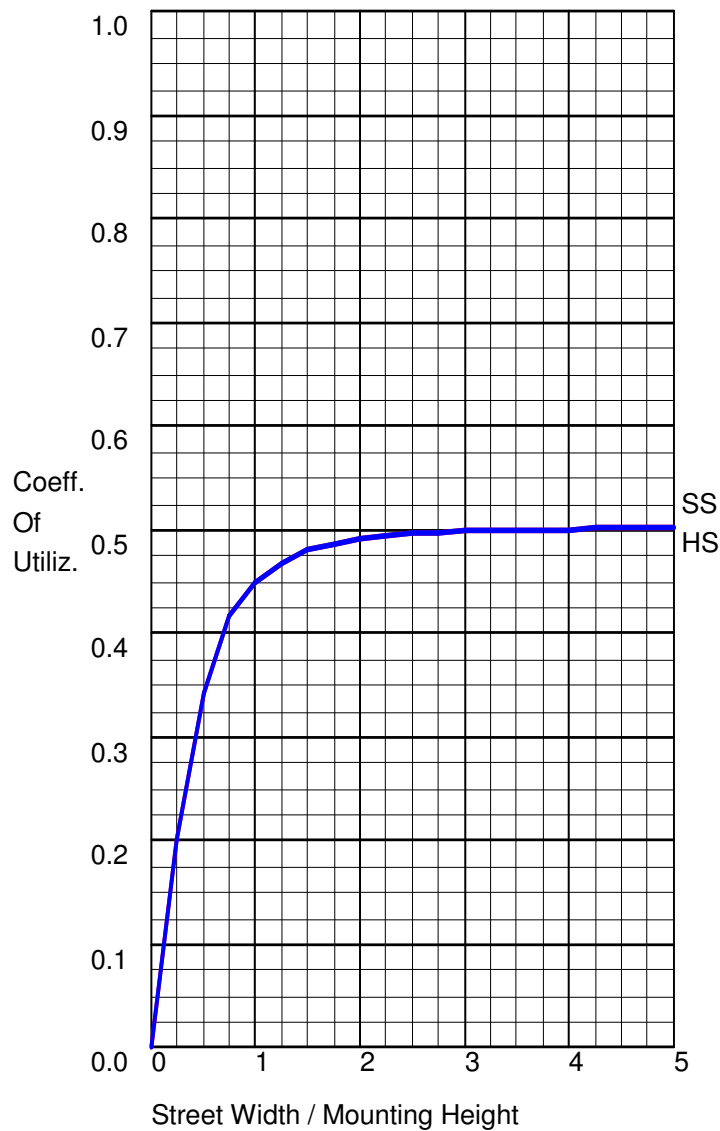
CANDELA TABULATION - (Cont.)

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-L20-850-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

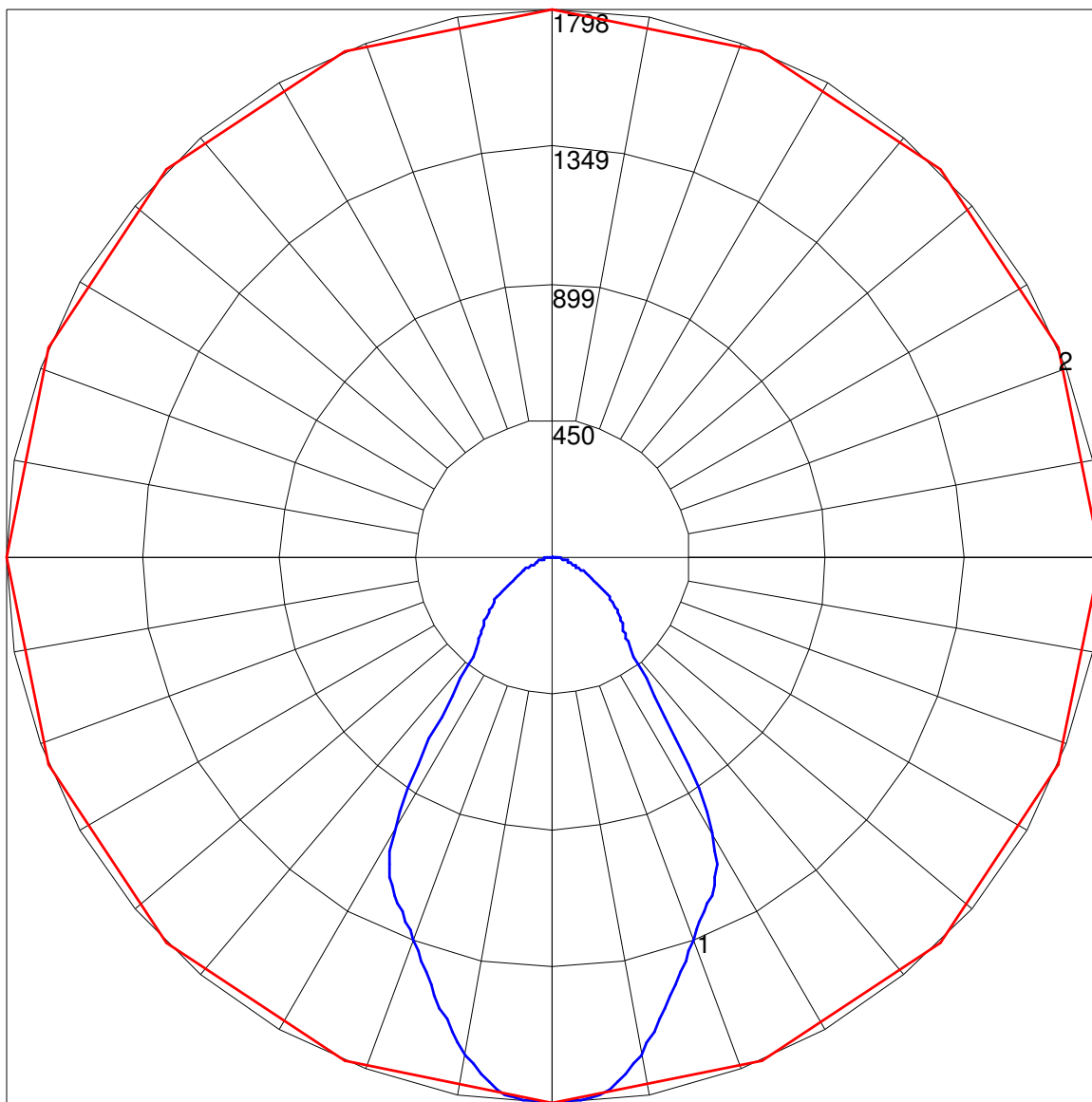
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

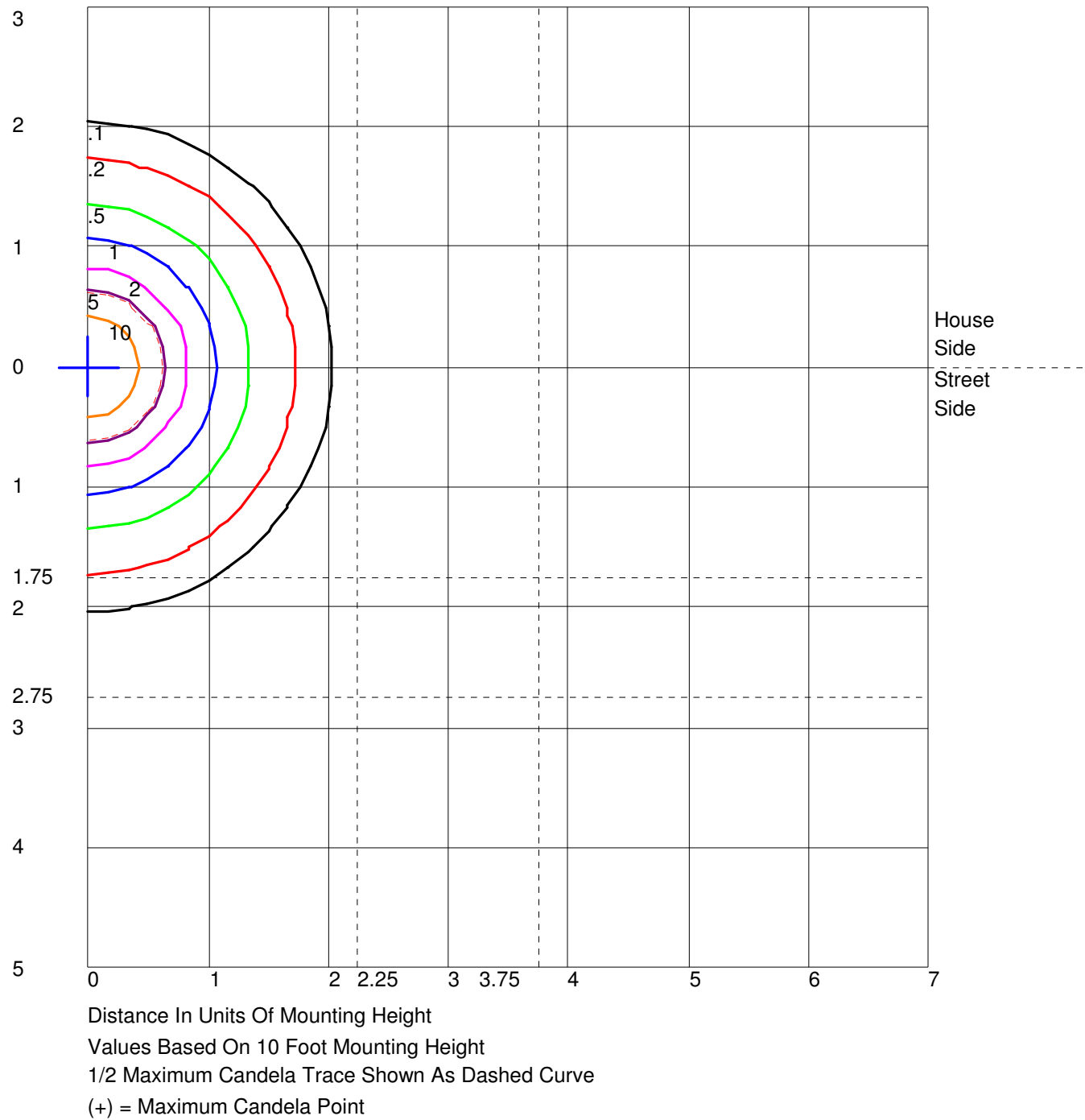
	Lumens	Percent Of Luminaire
Downward Street Side	1073.4	50.0
Downward House Side	1073.4	50.0
Downward Total	2146.8	100.0
Upward Street Side	0.3	0.0
Upward House Side	0.3	0.0
Upward Total	0.6	0.0
Total Flux	2147.4	100.0

POLAR GRAPH

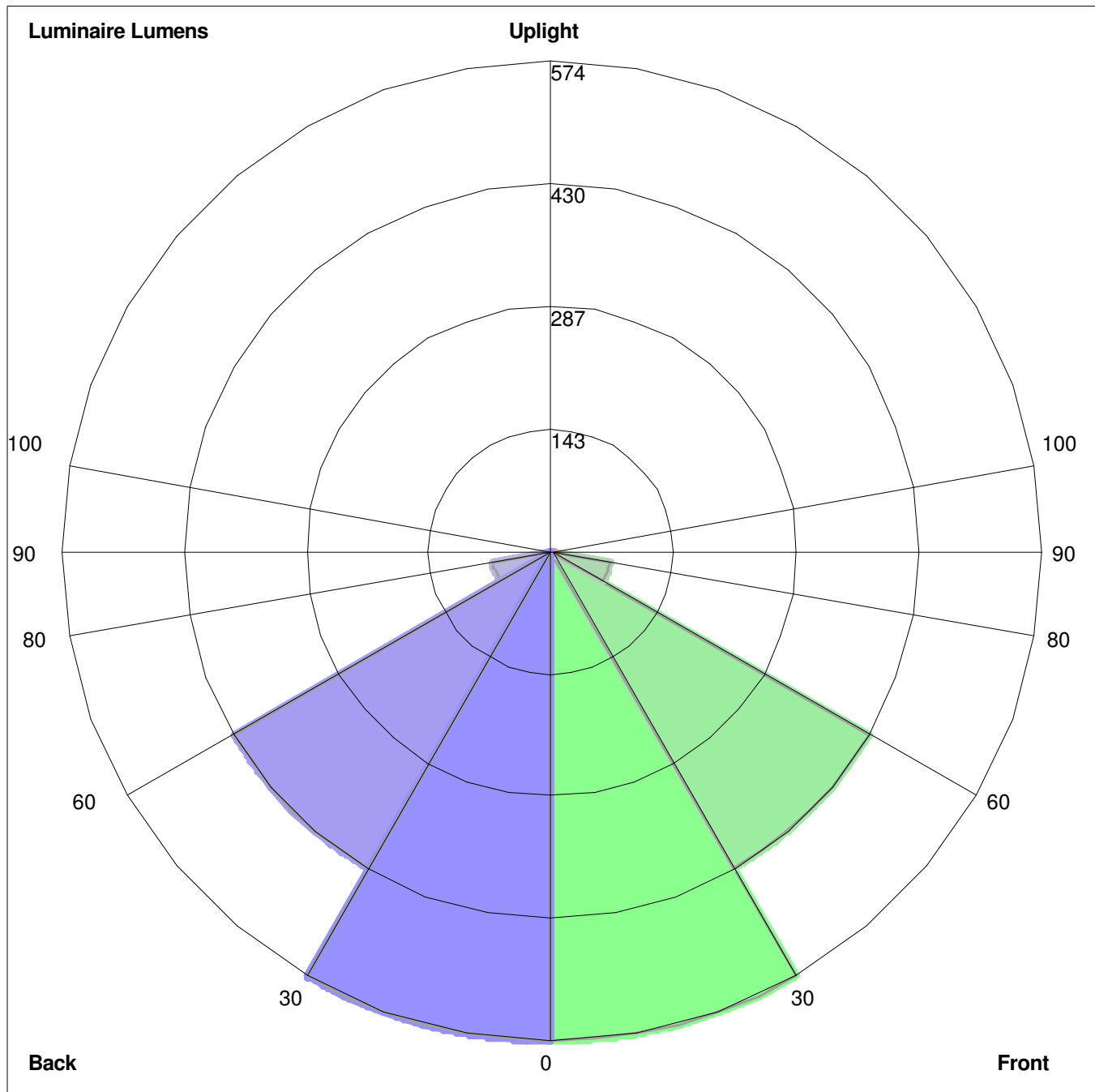


Maximum Candela = 1798.196 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=573.8, Medium=428.3, High=69.4, Very High=2.0
Back: Low=573.8, Medium=428.3, High=69.4, Very High=2.0
Uplight: Low=0.6, High=0.0

BUG Rating : B2-U1-G0