

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-930-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-L30-930-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	2923
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2447.898
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2447.898
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.814 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	14.302 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-930-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	781.1	N.A.	26.7
FM - Front-Medium (30-60)	583.0	N.A.	19.9
FH - Front-High (60-80)	94.4	N.A.	3.2
FVH - Front-Very High (80-90)	2.7	N.A.	0.1
BL - Back-Low (0-30)	781.1	N.A.	26.7
BM - Back-Medium (30-60)	583.0	N.A.	19.9
BH - Back-High (60-80)	94.4	N.A.	3.2
BVH - Back-Very High (80-90)	2.7	N.A.	0.1
UL - Uplight-Low (90-100)	0.8	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2923.2	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	2447.898	2447.898	2447.898	2447.898	2447.898
1	2446.526	2447.320	2446.839	2445.643	2446.133
2	2444.996	2444.810	2443.830	2442.203	2441.869
3	2441.105	2441.134	2439.634	2437.684	2435.390
4	2434.351	2435.174	2433.419	2430.067	2428.508
5	2422.676	2423.225	2421.343	2417.833	2417.039
6	2407.462	2406.727	2402.776	2398.992	2398.796
7	2384.504	2383.034	2377.005	2374.172	2372.663
8	2352.126	2351.734	2346.088	2343.725	2341.490
9	2313.945	2314.013	2310.043	2307.181	2305.612
10	2271.636	2272.166	2268.255	2266.578	2266.078
11	2224.888	2226.427	2223.554	2223.211	2223.192
12	2176.688	2178.541	2176.776	2178.051	2177.462
13	2129.380	2130.694	2131.713	2132.458	2131.076
14	2081.514	2083.357	2086.043	2087.200	2084.063
15	2034.040	2036.804	2039.735	2041.255	2037.696
16	1987.516	1991.594	1993.780	1996.417	1994.104
17	1943.640	1947.512	1948.414	1953.001	1950.943
18	1900.028	1904.714	1905.772	1910.968	1908.742
19	1860.974	1864.709	1866.375	1870.483	1868.983
20	1824.969	1826.714	1828.782	1832.566	1829.400
21	1791.385	1791.522	1793.797	1797.375	1792.777
22	1761.085	1757.076	1761.262	1762.977	1761.203
23	1732.824	1727.237	1731.452	1731.981	1732.510
24	1704.945	1700.632	1702.906	1702.936	1703.387
25	1678.214	1675.008	1673.812	1673.822	1674.685
26	1650.433	1646.992	1643.061	1643.404	1642.551
27	1617.898	1612.379	1607.399	1606.184	1607.634
28	1574.100	1567.600	1560.709	1559.856	1562.287
29	1516.538	1510.765	1499.668	1499.805	1502.619
30	1439.656	1434.461	1421.404	1423.002	1425.168
31	1343.424	1338.601	1326.259	1328.661	1330.406
32	1230.997	1228.164	1217.332	1222.067	1223.733
33	1107.709	1106.866	1099.740	1105.768	1107.846
34	982.039	983.578	980.049	987.450	987.891
35	865.182	865.495	865.711	874.377	873.661
36	761.068	760.950	765.303	773.978	774.292
37	674.795	675.187	681.235	689.871	688.813
38	606.921	609.303	615.900	622.488	621.929
39	559.163	562.319	567.407	572.720	572.543
40	526.539	529.108	532.666	535.891	536.244
41	504.189	505.317	507.826	509.708	509.728
42	487.103	487.505	489.182	490.230	489.417
43	472.733	472.723	473.831	474.193	473.027
44	459.146	459.146	459.666	459.656	458.519
45	445.491	445.579	445.923	445.834	444.668
46	431.552	431.738	431.846	431.777	430.836
47	416.897	417.171	417.318	417.289	416.426
48	402.095	402.311	402.418	402.389	401.673
49	386.960	387.195	387.332	387.165	386.352
50	371.638	371.638	371.756	371.697	370.913
51	356.130	356.130	356.189	356.120	355.454
52	340.456	340.613	340.603	340.524	339.799

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-930-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	325.105	325.183	325.105	325.046	324.125
54	309.823	309.724	309.646	309.391	308.431
55	294.374	294.089	294.001	293.550	292.619
56	277.974	277.748	277.650	277.121	276.248
57	261.407	261.172	261.084	260.427	259.525
58	245.203	244.880	244.655	244.017	243.165
59	229.117	228.862	228.500	227.961	227.176
60	213.462	213.159	212.923	212.296	211.639
61	198.141	197.906	197.690	197.190	196.563
62	183.457	183.212	182.937	182.535	181.937
63	169.164	168.998	168.704	168.360	167.792
64	155.333	155.186	154.990	154.617	154.235
65	142.383	142.099	141.991	141.707	141.442
66	129.532	129.581	129.248	129.189	128.836
67	117.318	117.436	117.249	117.132	116.838
68	105.859	105.859	105.790	105.682	105.545
69	94.841	94.880	94.772	94.743	94.684
70	84.440	84.538	84.440	84.440	84.430
71	74.696	74.765	74.667	74.716	74.726
72	65.541	65.648	65.550	65.609	65.688
73	56.993	57.061	57.022	57.100	57.130
74	49.101	49.141	49.150	49.258	49.219
75	41.789	41.848	41.877	41.965	41.906
76	35.035	35.054	35.123	35.221	35.182
77	28.888	28.918	29.026	29.094	29.065
78	23.340	23.321	23.487	23.507	23.497
79	18.360	18.380	18.537	18.605	18.556
80	14.067	14.057	14.214	14.302	14.263
81	10.312	10.361	10.499	10.587	10.538
82	6.979	7.048	7.146	7.156	7.205
83	4.823	4.843	5.029	5.137	5.264
84	4.470	4.480	4.470	4.470	4.450
85	4.147	4.156	4.147	4.137	4.117
86	3.715	3.715	3.705	3.705	3.676
87	3.127	3.137	3.117	3.117	3.098
88	2.392	2.372	2.372	2.372	2.353
89	1.461	1.461	1.461	1.451	1.431
90	0.637	0.637	0.716	0.784	0.814
91	0.559	0.559	0.559	0.559	0.549
92	0.569	0.578	0.578	0.578	0.578
93	0.608	0.618	0.618	0.618	0.618
94	0.637	0.647	0.657	0.657	0.647
95	0.686	0.686	0.696	0.686	0.686
96	0.725	0.735	0.735	0.735	0.725
97	0.774	0.784	0.784	0.774	0.774
98	0.823	0.823	0.823	0.823	0.814
99	0.872	0.872	0.872	0.882	0.872
100	0.912	0.921	0.912	0.931	0.912
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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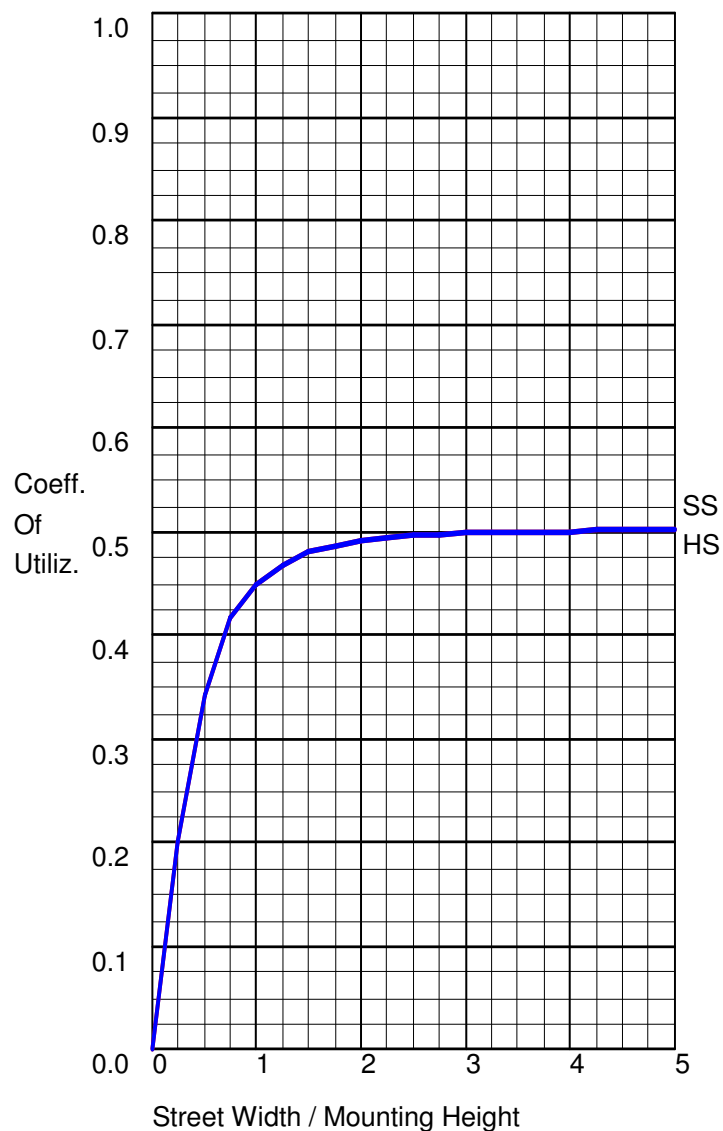
CANDELA TABULATION - (Cont.)

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-L30-930-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

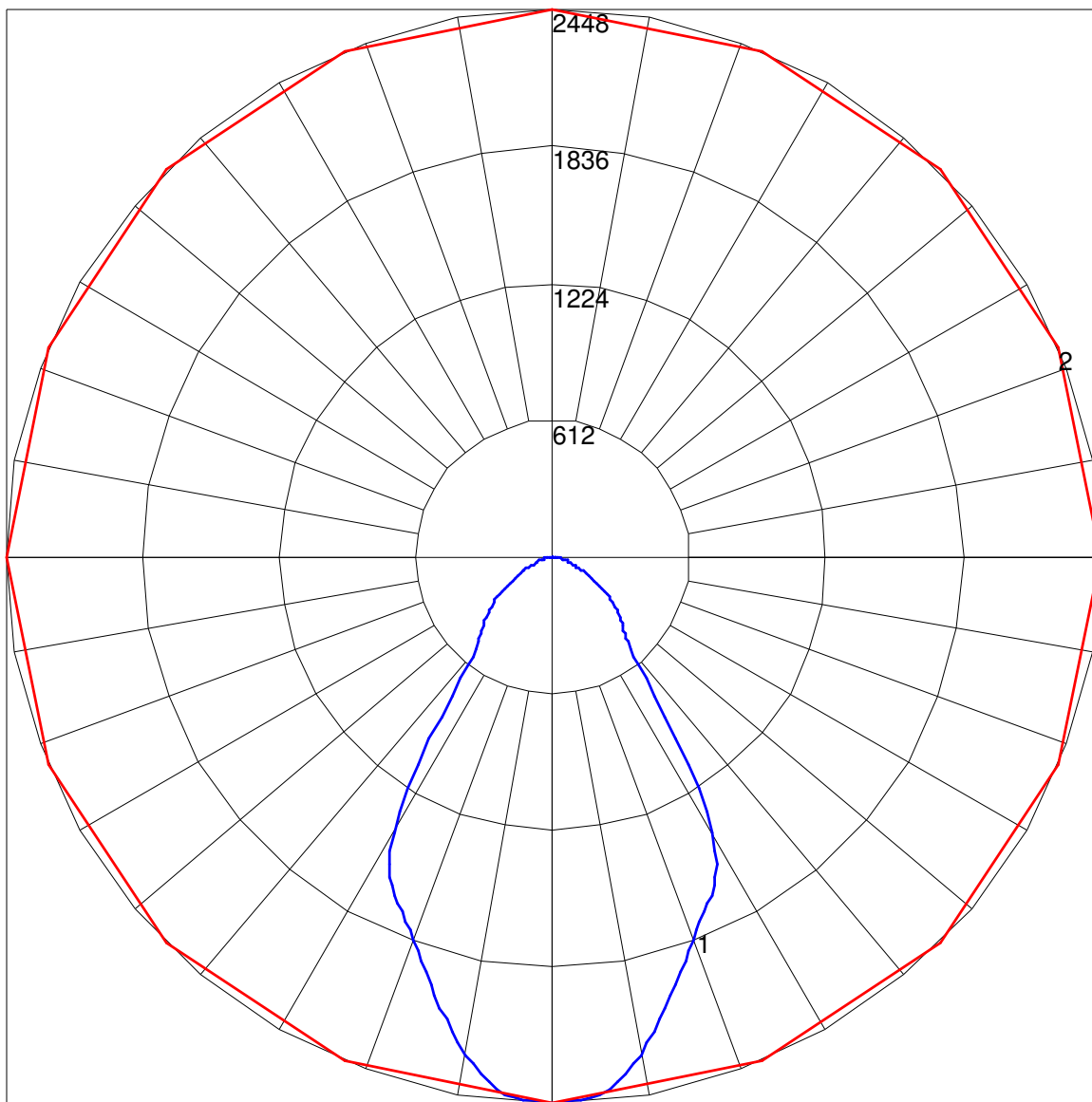
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

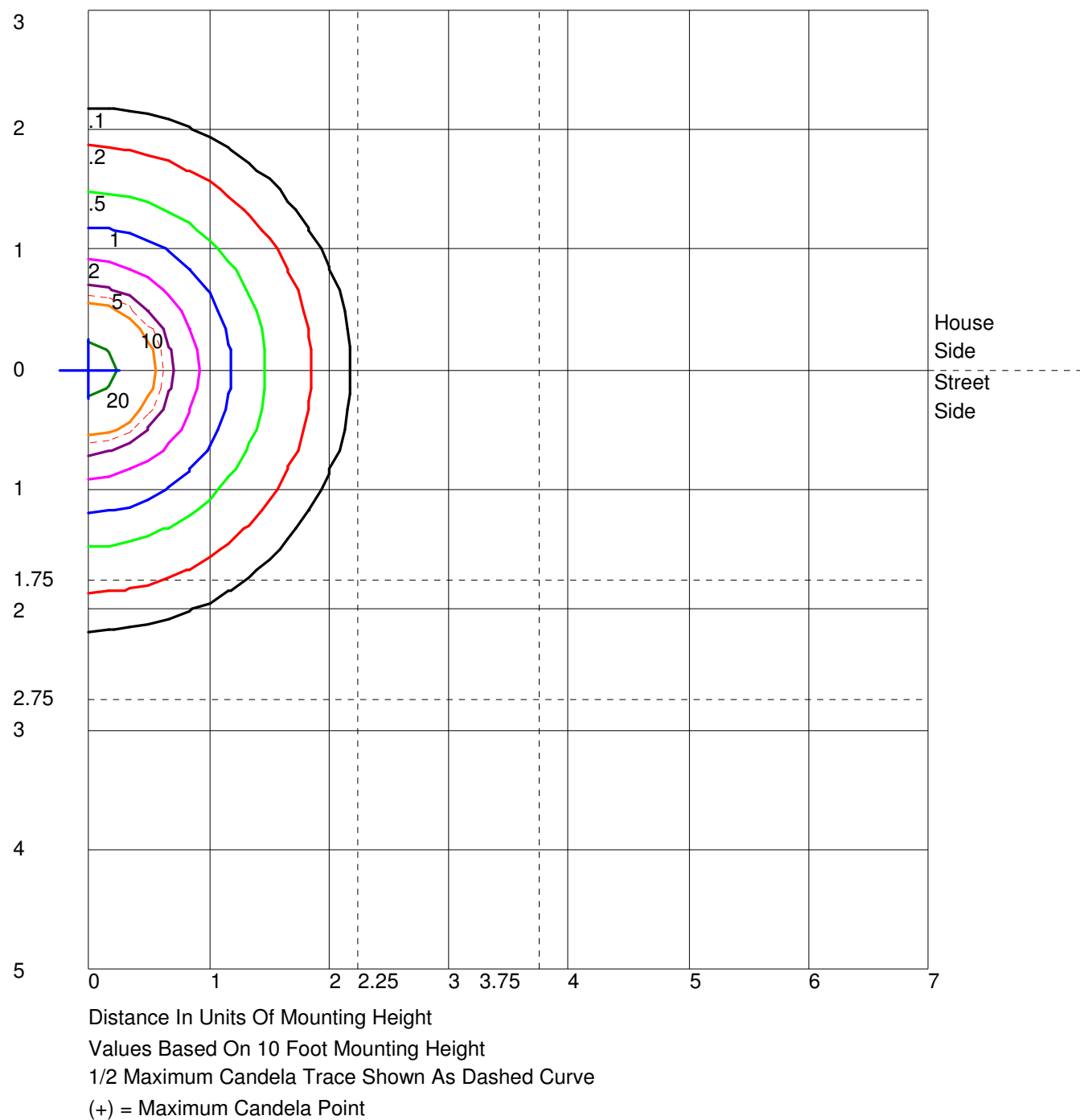
	Lumens	Percent Of Luminaire
Downward Street Side	1461.3	50.0
Downward House Side	1461.3	50.0
Downward Total	2922.6	100.0
Upward Street Side	0.4	0.0
Upward House Side	0.4	0.0
Upward Total	0.8	0.0
Total Flux	2923.4	100.0

POLAR GRAPH

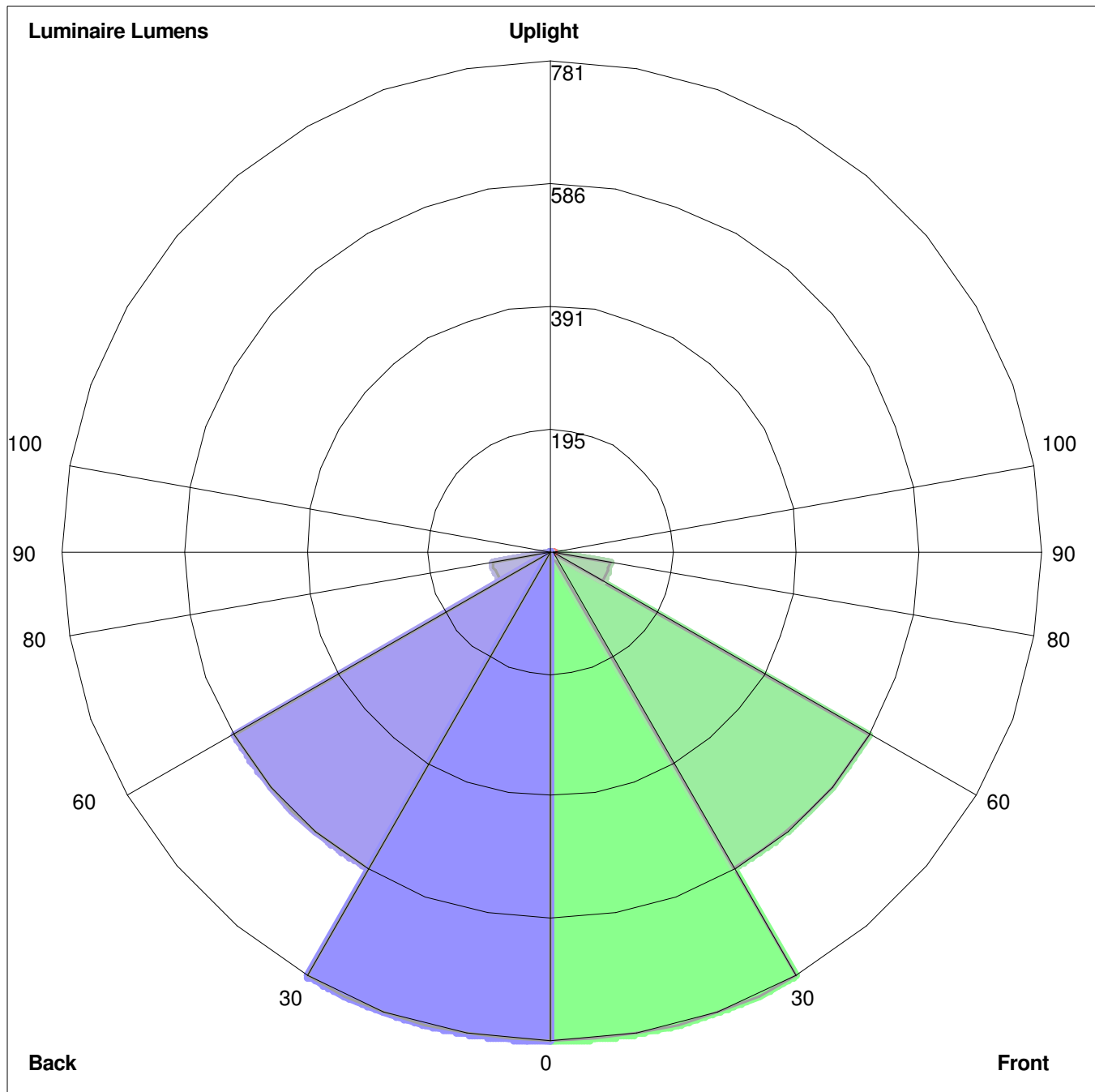


Maximum Candela = 2447.898 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=781.1, Medium=583.0, High=94.4, Very High=2.7
Back: Low=781.1, Medium=583.0, High=94.4, Very High=2.7
Uplight: Low=0.8, High=0.0

BUG Rating : B2-U1-G0