

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-827-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-L30-827-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	3016
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2525.201
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2525.201
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.839 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	14.754 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-827-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	805.8	N.A.	26.7
FM - Front-Medium (30-60)	601.5	N.A.	19.9
FH - Front-High (60-80)	97.4	N.A.	3.2
FVH - Front-Very High (80-90)	2.8	N.A.	0.1
BL - Back-Low (0-30)	805.8	N.A.	26.7
BM - Back-Medium (30-60)	601.5	N.A.	19.9
BH - Back-High (60-80)	97.4	N.A.	3.2
BVH - Back-Very High (80-90)	2.8	N.A.	0.1
UL - Uplight-Low (90-100)	0.8	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	3015.9	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	2525.201	2525.201	2525.201	2525.201	2525.201
1	2523.785	2524.604	2524.109	2522.875	2523.381
2	2522.208	2522.016	2521.004	2519.326	2518.982
3	2518.193	2518.224	2516.676	2514.664	2512.298
4	2511.226	2512.075	2510.265	2506.807	2505.199
5	2499.182	2499.749	2497.807	2494.187	2493.368
6	2483.488	2482.730	2478.654	2474.751	2474.549
7	2459.805	2458.288	2452.069	2449.147	2447.590
8	2426.405	2426.000	2420.176	2417.739	2415.433
9	2387.018	2387.088	2382.993	2380.040	2378.422
10	2343.373	2343.919	2339.885	2338.155	2337.640
11	2295.148	2296.736	2293.773	2293.419	2293.399
12	2245.426	2247.338	2245.517	2246.832	2246.225
13	2196.625	2197.980	2199.032	2199.800	2198.374
14	2147.247	2149.148	2151.919	2153.112	2149.876
15	2098.274	2101.125	2104.149	2105.716	2102.045
16	2050.281	2054.488	2056.743	2059.463	2057.076
17	2005.019	2009.013	2009.943	2014.676	2012.552
18	1960.030	1964.863	1965.955	1971.315	1969.019
19	1919.742	1923.595	1925.314	1929.551	1928.004
20	1882.600	1884.400	1886.534	1890.437	1887.171
21	1847.956	1848.097	1850.444	1854.134	1849.392
22	1816.699	1812.563	1816.881	1818.651	1816.820
23	1787.546	1781.782	1786.130	1786.676	1787.222
24	1758.786	1754.337	1756.683	1756.713	1757.179
25	1731.210	1727.904	1726.670	1726.680	1727.570
26	1702.552	1699.003	1694.948	1695.302	1694.422
27	1668.990	1663.297	1658.160	1656.906	1658.403
28	1623.809	1617.104	1609.995	1609.116	1611.623
29	1564.430	1558.474	1547.027	1547.168	1550.070
30	1485.120	1479.760	1466.291	1467.939	1470.174
31	1385.848	1380.873	1368.142	1370.619	1372.419
32	1269.871	1266.949	1255.775	1260.659	1262.378
33	1142.690	1141.820	1134.469	1140.688	1142.831
34	1013.051	1014.639	1010.999	1018.633	1019.088
35	892.504	892.827	893.050	901.989	901.251
36	785.102	784.981	789.470	798.420	798.743
37	696.104	696.509	702.748	711.657	710.565
38	626.087	628.545	635.350	642.146	641.569
39	576.821	580.077	585.325	590.806	590.624
40	543.167	545.817	549.487	552.814	553.178
41	520.111	521.274	523.863	525.805	525.825
42	502.486	502.900	504.630	505.712	504.872
43	487.661	487.651	488.794	489.168	487.965
44	473.646	473.646	474.182	474.172	472.999
45	459.560	459.651	460.004	459.913	458.710
46	445.180	445.372	445.483	445.413	444.442
47	430.062	430.345	430.497	430.467	429.577
48	414.793	415.015	415.126	415.096	414.358
49	399.180	399.422	399.564	399.392	398.553
50	383.374	383.374	383.495	383.435	382.626
51	367.377	367.377	367.437	367.366	366.679
52	351.207	351.369	351.359	351.278	350.530

**IES ROAD REPORT**  
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**CANDELA TABULATION - (Cont.)**

53	335.371	335.452	335.371	335.311	334.360
54	319.607	319.505	319.425	319.162	318.171
55	303.670	303.376	303.285	302.820	301.860
56	286.752	286.519	286.418	285.872	284.972
57	269.662	269.420	269.329	268.651	267.721
58	252.947	252.613	252.381	251.723	250.843
59	236.353	236.090	235.716	235.159	234.350
60	220.203	219.890	219.647	219.000	218.323
61	204.398	204.155	203.933	203.417	202.770
62	189.250	188.997	188.714	188.299	187.683
63	174.506	174.335	174.031	173.677	173.091
64	160.238	160.086	159.884	159.500	159.106
65	146.880	146.587	146.475	146.182	145.909
66	133.623	133.673	133.329	133.269	132.905
67	121.023	121.144	120.952	120.831	120.527
68	109.202	109.202	109.131	109.020	108.878
69	97.836	97.876	97.765	97.735	97.674
70	87.107	87.208	87.107	87.107	87.096
71	77.055	77.126	77.025	77.075	77.085
72	67.610	67.721	67.620	67.681	67.762
73	58.792	58.863	58.823	58.904	58.934
74	50.652	50.693	50.703	50.814	50.773
75	43.108	43.169	43.199	43.290	43.230
76	36.141	36.161	36.232	36.333	36.293
77	29.801	29.831	29.942	30.013	29.983
78	24.077	24.057	24.229	24.249	24.239
79	18.940	18.960	19.122	19.193	19.142
80	14.511	14.501	14.663	14.754	14.713
81	10.638	10.689	10.830	10.921	10.871
82	7.200	7.271	7.372	7.382	7.432
83	4.975	4.995	5.188	5.299	5.430
84	4.611	4.621	4.611	4.611	4.591
85	4.277	4.288	4.277	4.267	4.247
86	3.833	3.833	3.822	3.822	3.792
87	3.226	3.236	3.216	3.216	3.195
88	2.467	2.447	2.447	2.447	2.427
89	1.507	1.507	1.507	1.497	1.476
90	0.657	0.657	0.738	0.809	0.839
91	0.576	0.576	0.576	0.576	0.566
92	0.587	0.597	0.597	0.597	0.597
93	0.627	0.637	0.637	0.637	0.637
94	0.657	0.667	0.678	0.678	0.667
95	0.708	0.708	0.718	0.708	0.708
96	0.748	0.758	0.758	0.758	0.748
97	0.799	0.809	0.809	0.799	0.799
98	0.849	0.849	0.849	0.849	0.839
99	0.900	0.900	0.900	0.910	0.900
100	0.940	0.951	0.940	0.961	0.940
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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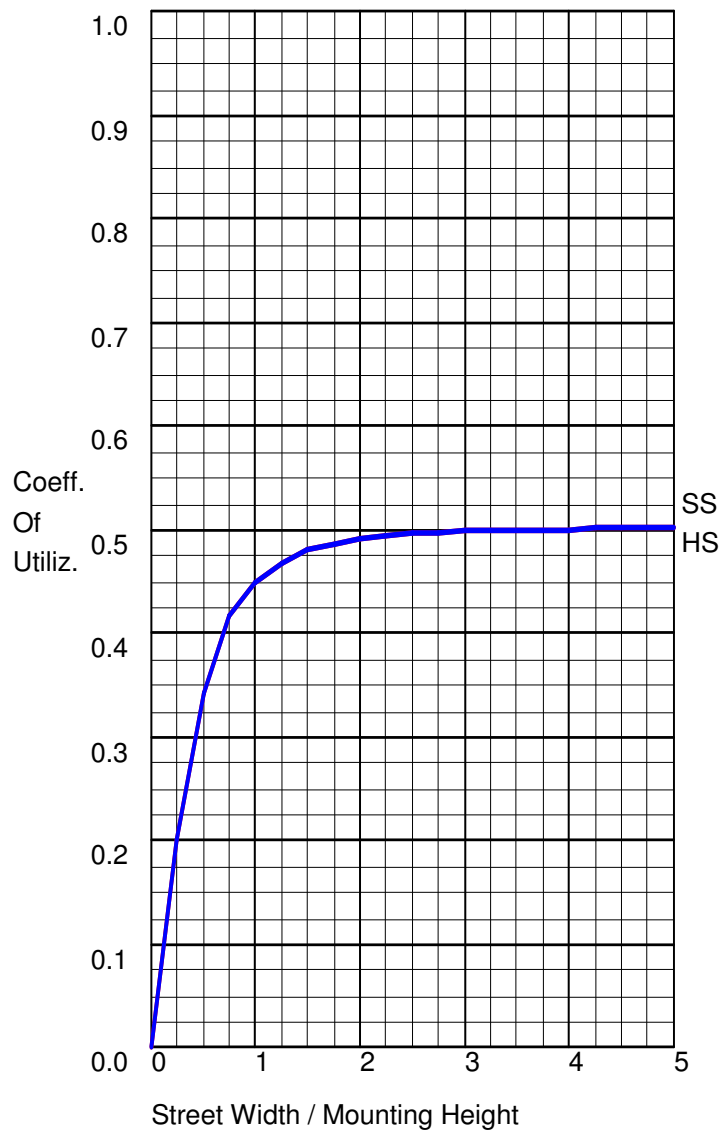
CANDELA TABULATION - (Cont.)

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-L30-827-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

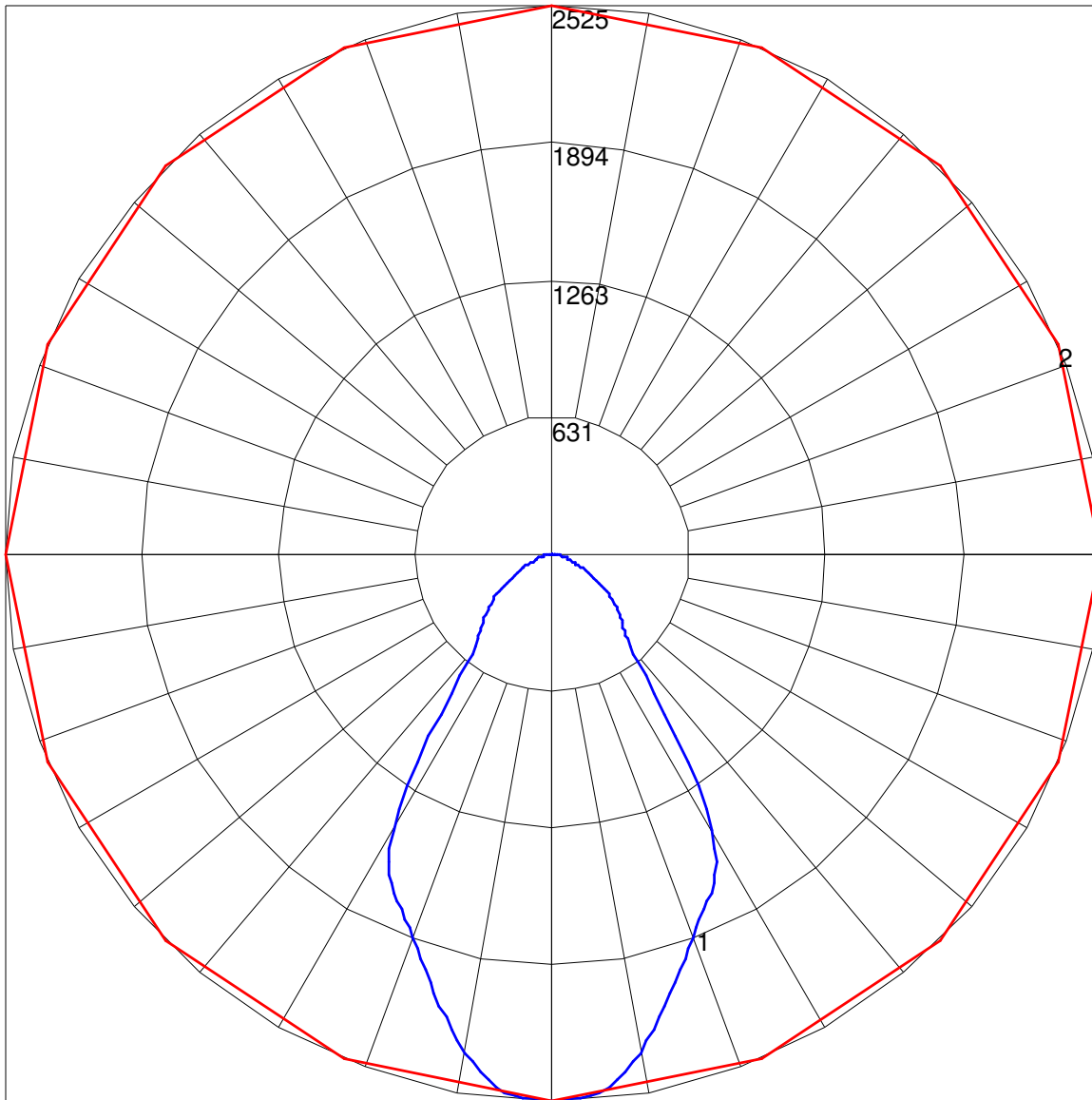
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

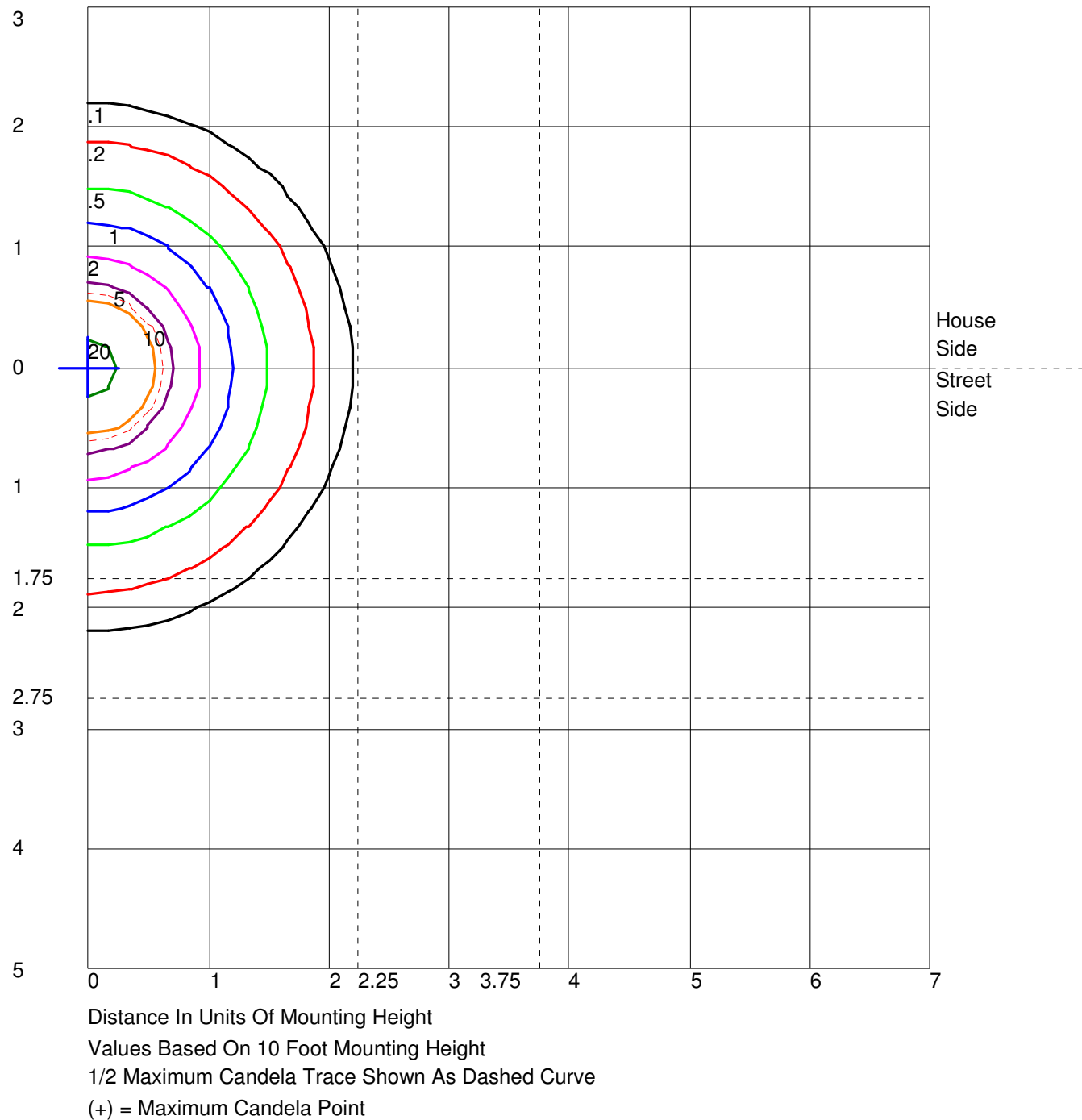
	Lumens	Percent Of Luminaire
Downward Street Side	1507.4	50.0
Downward House Side	1507.4	50.0
Downward Total	3014.8	100.0
Upward Street Side	0.4	0.0
Upward House Side	0.4	0.0
Upward Total	0.8	0.0
Total Flux	3015.6	100.0

POLAR GRAPH

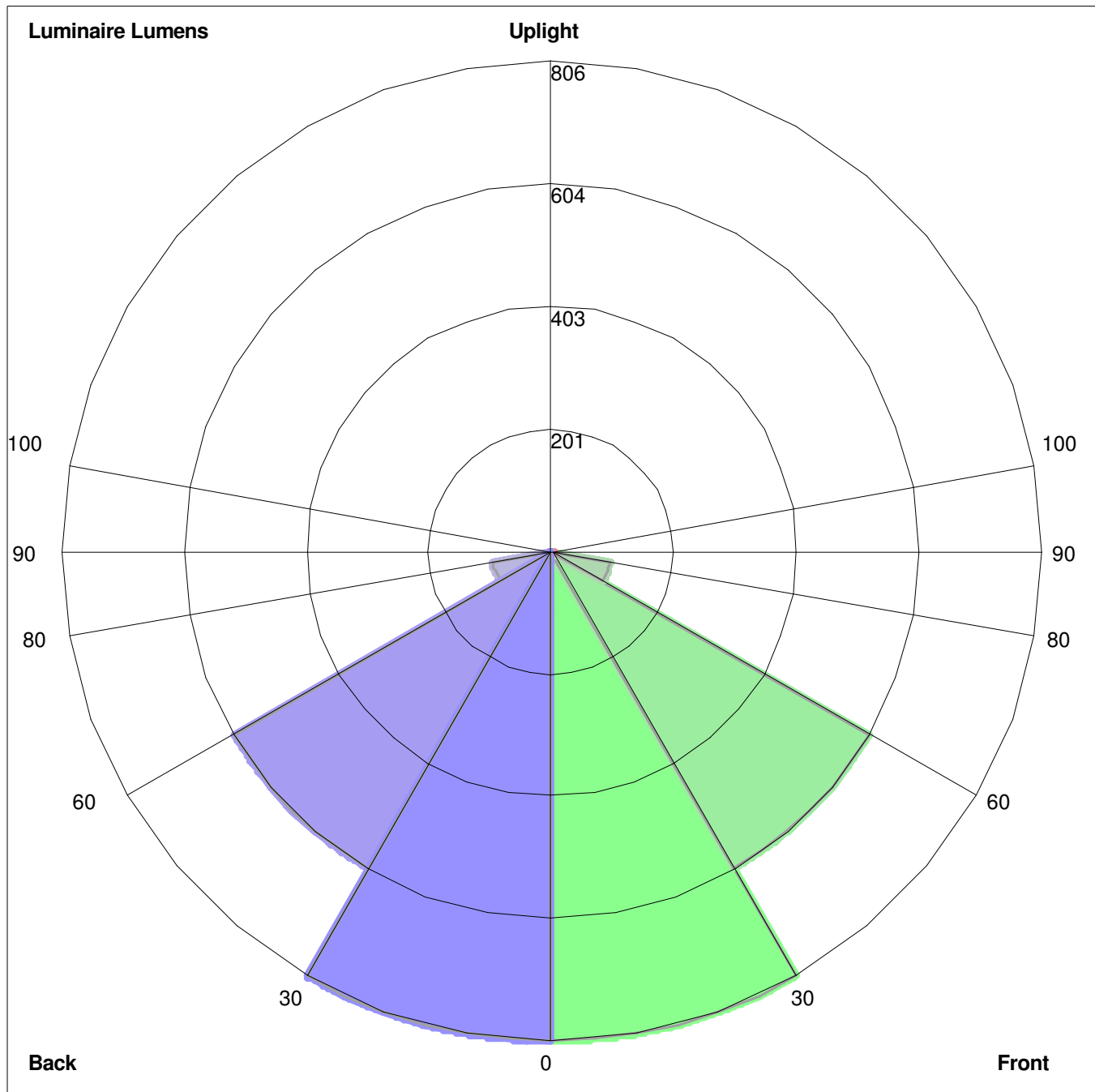


Maximum Candela = 2525.201 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=805.8, Medium=601.5, High=97.4, Very High=2.8  
Back: Low=805.8, Medium=601.5, High=97.4, Very High=2.8  
Uplight: Low=0.8, High=0.1

BUG Rating : B2-U1-G0