

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-840-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-L30-840-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	3108
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2602.501
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2602.501
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.865 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	15.205 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-840-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	830.4	N.A.	26.7
FM - Front-Medium (30-60)	619.9	N.A.	19.9
FH - Front-High (60-80)	100.4	N.A.	3.2
FVH - Front-Very High (80-90)	2.9	N.A.	0.1
BL - Back-Low (0-30)	830.4	N.A.	26.7
BM - Back-Medium (30-60)	619.9	N.A.	19.9
BH - Back-High (60-80)	100.4	N.A.	3.2
BVH - Back-Very High (80-90)	2.9	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	3108.1	N.A.	100.0
BUG Rating	B2-U1-G0		

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-840-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	2602.501	2602.501	2602.501	2602.501	2602.501
1	2601.042	2601.886	2601.376	2600.104	2600.625
2	2599.416	2599.218	2598.176	2596.446	2596.092
3	2595.279	2595.310	2593.716	2591.642	2589.203
4	2588.098	2588.974	2587.108	2583.544	2581.887
5	2575.686	2576.270	2574.269	2570.538	2569.693
6	2559.511	2558.730	2554.530	2550.507	2550.298
7	2535.104	2533.540	2527.131	2524.119	2522.514
8	2500.680	2500.264	2494.261	2491.749	2489.373
9	2460.088	2460.161	2455.940	2452.897	2451.229
10	2415.107	2415.670	2411.512	2409.730	2409.198
11	2365.406	2367.042	2363.989	2363.624	2363.603
12	2314.162	2316.132	2314.256	2315.611	2314.986
13	2263.867	2265.263	2266.347	2267.139	2265.670
14	2212.977	2214.937	2217.792	2219.022	2215.687
15	2162.505	2165.444	2168.560	2170.175	2166.392
16	2113.043	2117.379	2119.703	2122.506	2120.047
17	2066.395	2070.512	2071.471	2076.348	2074.160
18	2020.029	2025.011	2026.136	2031.660	2029.294
19	1978.509	1982.479	1984.251	1988.618	1987.023
20	1940.229	1942.085	1944.284	1948.306	1944.940
21	1904.525	1904.670	1907.088	1910.892	1906.004
22	1872.311	1868.048	1872.498	1874.322	1872.436
23	1842.265	1836.325	1840.806	1841.369	1841.931
24	1812.625	1808.040	1810.458	1810.489	1810.968
25	1784.205	1780.797	1779.526	1779.536	1780.453
26	1754.670	1751.012	1746.833	1747.198	1746.291
27	1720.080	1714.213	1708.919	1707.626	1709.169
28	1673.516	1666.606	1659.280	1658.373	1660.958
29	1612.319	1606.181	1594.383	1594.529	1597.520
30	1530.581	1525.058	1511.176	1512.875	1515.178
31	1428.271	1423.143	1410.022	1412.576	1414.431
32	1308.744	1305.732	1294.216	1299.250	1301.021
33	1177.669	1176.773	1169.196	1175.606	1177.815
34	1044.062	1045.699	1041.947	1049.815	1050.284
35	919.825	920.158	920.387	929.600	928.839
36	809.135	809.010	813.637	822.860	823.194
37	717.413	717.830	724.260	733.442	732.316
38	645.253	647.785	654.799	661.803	661.209
39	594.478	597.834	603.243	608.891	608.704
40	559.794	562.525	566.308	569.737	570.112
41	536.033	537.231	539.899	541.900	541.921
42	517.868	518.295	520.077	521.192	520.327
43	502.589	502.579	503.757	504.142	502.902
44	488.145	488.145	488.697	488.687	487.478
45	473.627	473.721	474.086	473.992	472.752
46	458.808	459.006	459.120	459.047	458.047
47	443.227	443.519	443.675	443.644	442.727
48	427.490	427.719	427.834	427.803	427.042
49	411.399	411.649	411.795	411.618	410.753
50	395.110	395.110	395.235	395.172	394.339
51	378.623	378.623	378.685	378.612	377.903
52	361.958	362.125	362.114	362.031	361.260

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-840-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	345.638	345.721	345.638	345.575	344.595
54	329.390	329.286	329.203	328.932	327.910
55	312.965	312.663	312.569	312.090	311.100
56	295.530	295.290	295.186	294.623	293.696
57	277.917	277.667	277.573	276.875	275.916
58	260.690	260.346	260.106	259.429	258.522
59	243.588	243.317	242.931	242.358	241.524
60	226.944	226.621	226.371	225.704	225.006
61	210.655	210.405	210.176	209.644	208.977
62	195.043	194.783	194.491	194.064	193.428
63	179.848	179.671	179.358	178.994	178.389
64	165.143	164.987	164.778	164.382	163.976
65	151.376	151.074	150.959	150.657	150.376
66	137.713	137.765	137.411	137.348	136.973
67	124.728	124.853	124.655	124.530	124.217
68	112.545	112.545	112.472	112.357	112.211
69	100.831	100.872	100.758	100.726	100.664
70	89.773	89.877	89.773	89.773	89.763
71	79.414	79.487	79.383	79.435	79.445
72	69.680	69.795	69.690	69.753	69.836
73	60.592	60.665	60.623	60.707	60.738
74	52.203	52.244	52.255	52.369	52.328
75	44.428	44.490	44.522	44.616	44.553
76	37.247	37.268	37.341	37.445	37.404
77	30.713	30.744	30.859	30.932	30.901
78	24.814	24.793	24.971	24.991	24.981
79	19.520	19.541	19.708	19.781	19.728
80	14.955	14.945	15.112	15.205	15.164
81	10.964	11.016	11.162	11.256	11.203
82	7.420	7.493	7.597	7.608	7.660
83	5.128	5.148	5.346	5.461	5.596
84	4.752	4.763	4.752	4.752	4.731
85	4.408	4.419	4.408	4.398	4.377
86	3.950	3.950	3.939	3.939	3.908
87	3.325	3.335	3.314	3.314	3.293
88	2.543	2.522	2.522	2.522	2.501
89	1.553	1.553	1.553	1.542	1.522
90	0.677	0.677	0.761	0.834	0.865
91	0.594	0.594	0.594	0.594	0.584
92	0.604	0.615	0.615	0.615	0.615
93	0.646	0.657	0.657	0.657	0.657
94	0.677	0.688	0.698	0.698	0.688
95	0.730	0.730	0.740	0.730	0.730
96	0.771	0.782	0.782	0.782	0.771
97	0.823	0.834	0.834	0.823	0.823
98	0.875	0.875	0.875	0.875	0.865
99	0.928	0.928	0.928	0.938	0.928
100	0.969	0.980	0.969	0.990	0.969
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

IES ROAD REPORT
PHOTOMETRIC FILENAME : W6CR-XX-L30-840-XXX-DIM-UNV-W-XXX_.IES

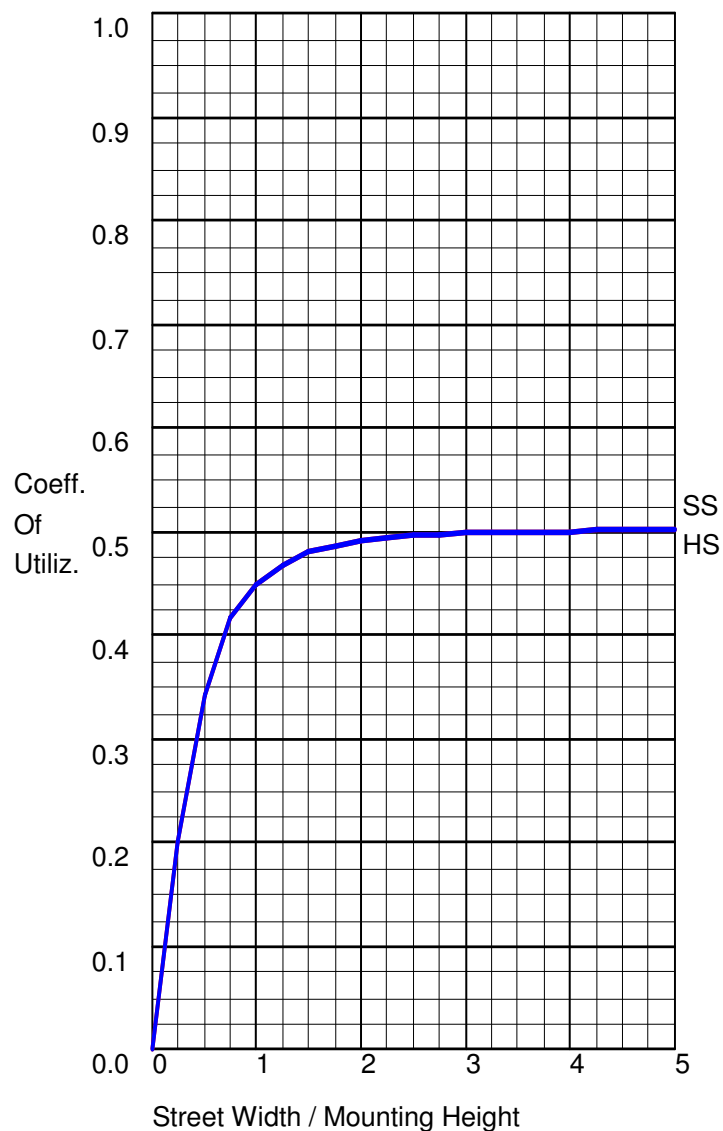
CANDELA TABULATION - (Cont.)

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-L30-840-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

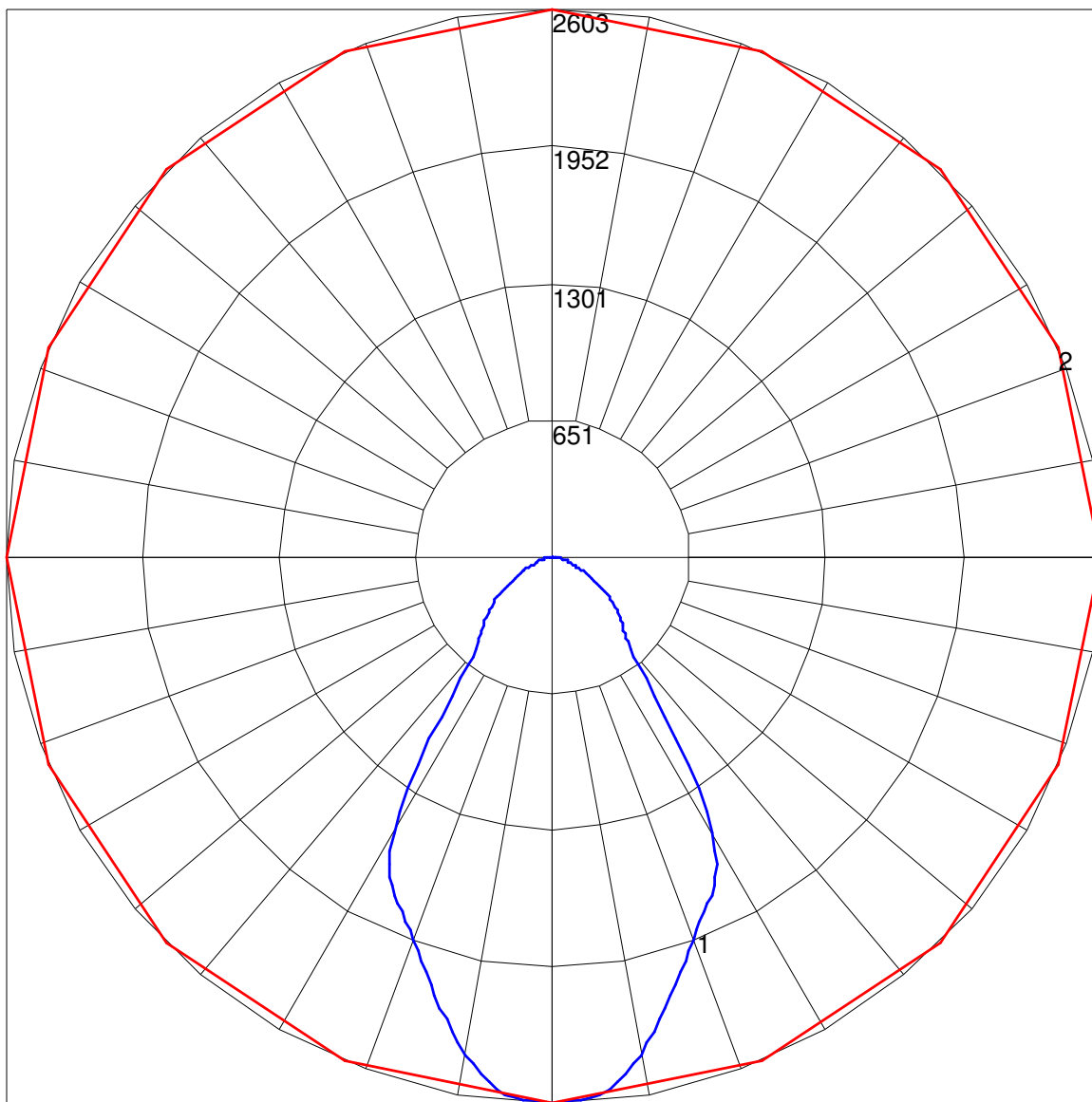
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

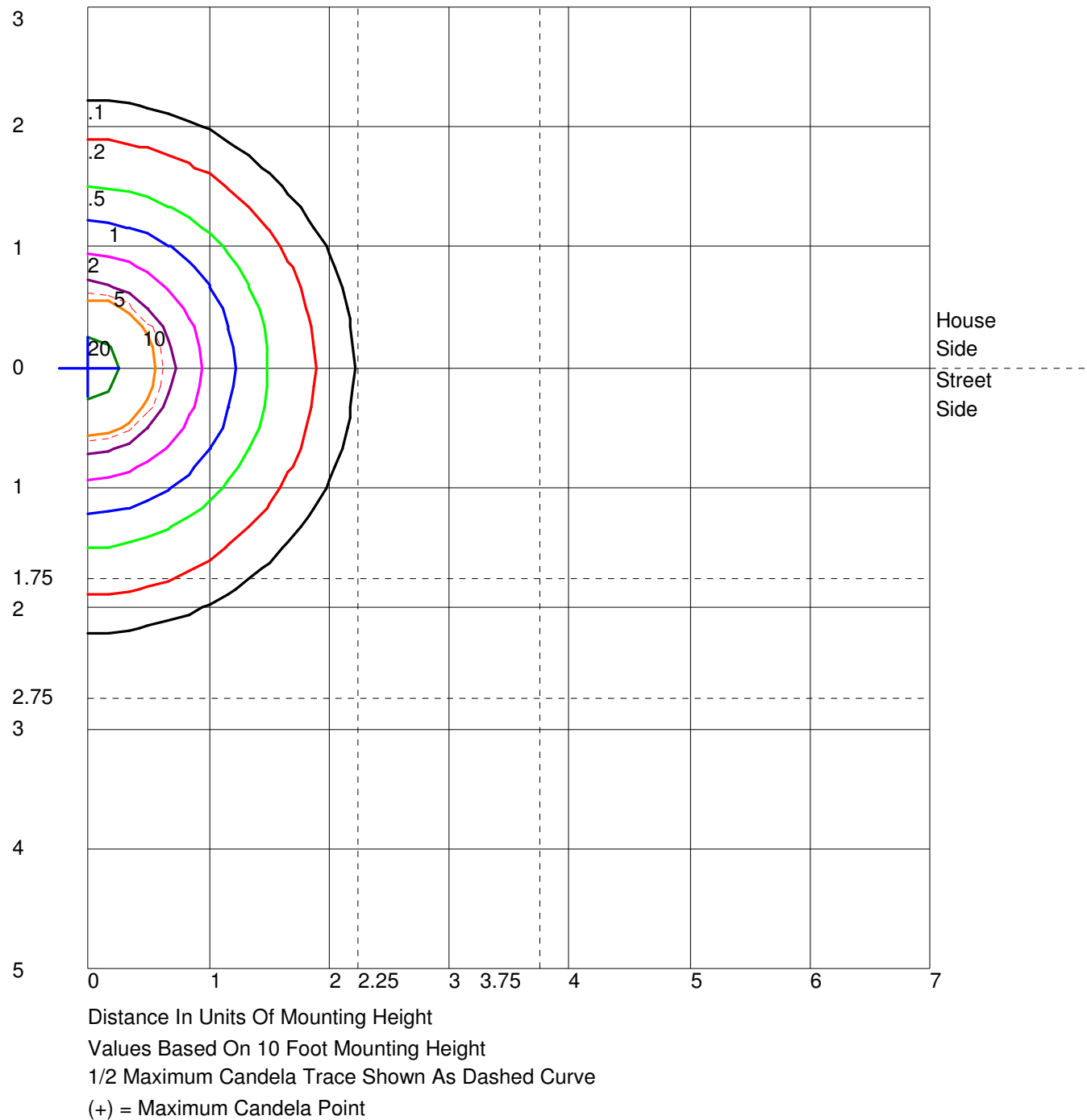
	Lumens	Percent Of Luminaire
Downward Street Side	1553.6	50.0
Downward House Side	1553.6	50.0
Downward Total	3107.2	100.0
Upward Street Side	0.4	0.0
Upward House Side	0.4	0.0
Upward Total	0.8	0.0
Total Flux	3108.0	100.0

POLAR GRAPH

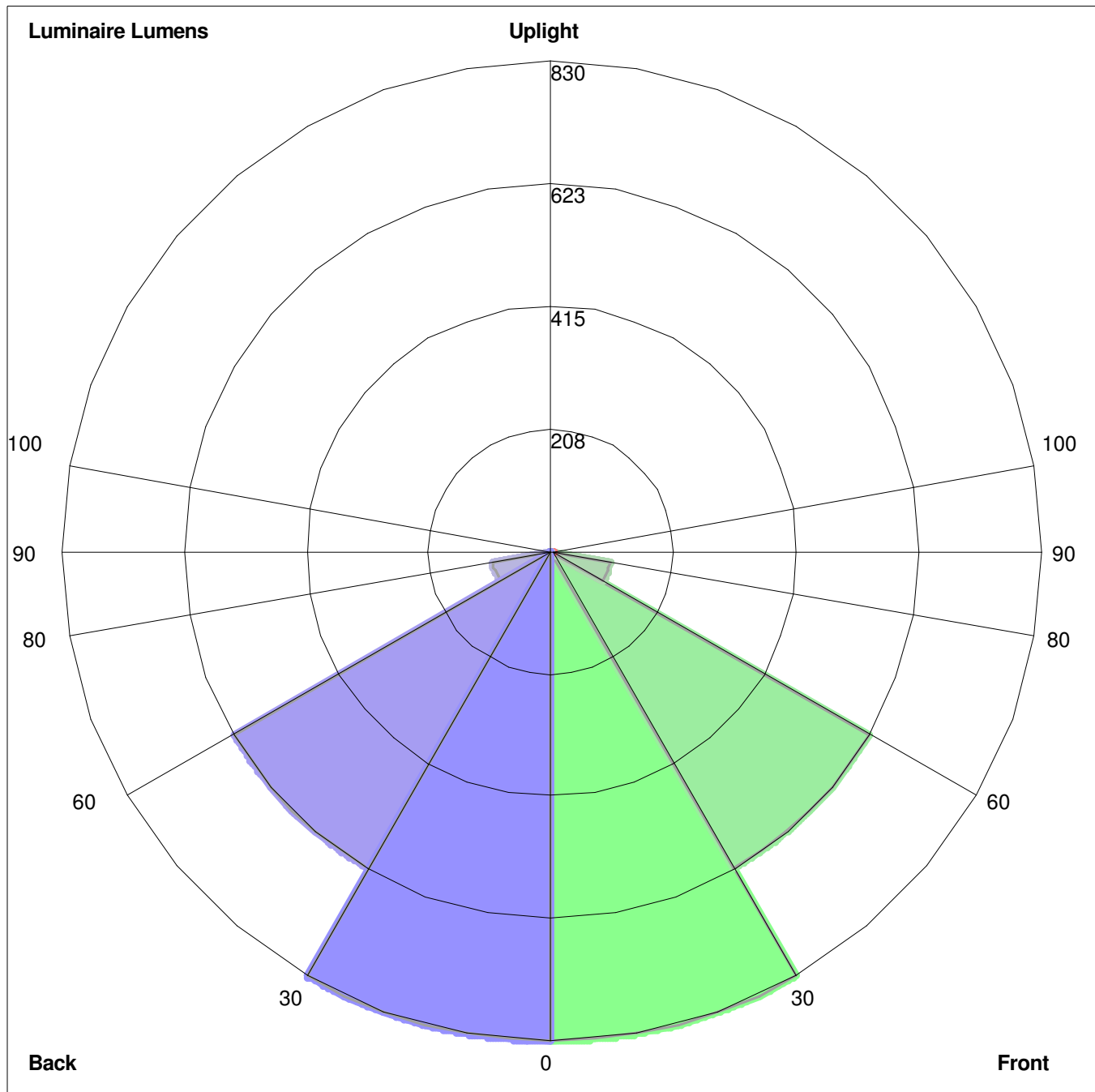


Maximum Candela = 2602.501 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=830.4, Medium=619.9, High=100.4, Very High=2.9
Back: Low=830.4, Medium=619.9, High=100.4, Very High=2.9
Uplight: Low=0.8, High=0.1

BUG Rating : B2-U1-G0