

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-830-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-L30-830-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	3077
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2576.735
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2576.735
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.856 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	15.055 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-830-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	822.2	N.A.	26.7
FM - Front-Medium (30-60)	613.7	N.A.	19.9
FH - Front-High (60-80)	99.4	N.A.	3.2
FVH - Front-Very High (80-90)	2.8	N.A.	0.1
BL - Back-Low (0-30)	822.2	N.A.	26.7
BM - Back-Medium (30-60)	613.7	N.A.	19.9
BH - Back-High (60-80)	99.4	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	3077.1	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	2576.735	2576.735	2576.735	2576.735	2576.735
1	2575.290	2576.126	2575.621	2574.362	2574.878
2	2573.681	2573.485	2572.453	2570.740	2570.389
3	2569.584	2569.615	2568.037	2565.983	2563.569
4	2562.475	2563.342	2561.495	2557.966	2556.325
5	2550.185	2550.763	2548.782	2545.088	2544.252
6	2534.171	2533.397	2529.239	2525.256	2525.049
7	2510.005	2508.457	2502.111	2499.129	2497.540
8	2475.923	2475.510	2469.566	2467.080	2464.727
9	2435.732	2435.804	2431.625	2428.612	2426.961
10	2391.197	2391.754	2387.637	2385.872	2385.346
11	2341.987	2343.607	2340.584	2340.223	2340.202
12	2291.251	2293.201	2291.344	2292.685	2292.066
13	2241.453	2242.836	2243.909	2244.694	2243.239
14	2191.068	2193.008	2195.835	2197.053	2193.751
15	2141.095	2144.005	2147.090	2148.689	2144.944
16	2092.123	2096.416	2098.717	2101.492	2099.057
17	2045.937	2050.013	2050.962	2055.791	2053.624
18	2000.030	2004.962	2006.076	2011.545	2009.203
19	1958.920	1962.852	1964.606	1968.929	1967.351
20	1921.020	1922.857	1925.034	1929.017	1925.684
21	1885.669	1885.813	1888.207	1891.973	1887.134
22	1853.774	1849.554	1853.960	1855.766	1853.898
23	1824.026	1818.144	1822.581	1823.138	1823.695
24	1794.680	1790.139	1792.533	1792.564	1793.039
25	1766.541	1763.167	1761.908	1761.918	1762.826
26	1737.298	1733.676	1729.538	1729.900	1729.002
27	1703.051	1697.241	1691.999	1690.720	1692.247
28	1656.947	1650.106	1642.852	1641.954	1644.513
29	1596.357	1590.279	1578.598	1578.743	1581.704
30	1515.428	1509.959	1496.215	1497.897	1500.177
31	1414.130	1409.054	1396.063	1398.591	1400.427
32	1295.787	1292.805	1281.402	1286.386	1288.141
33	1166.010	1165.122	1157.621	1163.967	1166.154
34	1033.726	1035.346	1031.631	1039.421	1039.886
35	910.718	911.048	911.275	920.397	919.643
36	801.124	801.000	805.582	814.714	815.044
37	710.310	710.723	717.090	726.180	725.066
38	638.865	641.372	648.316	655.250	654.662
39	588.592	591.915	597.270	602.863	602.677
40	554.252	556.956	560.701	564.096	564.468
41	530.726	531.912	534.554	536.535	536.556
42	512.741	513.164	514.928	516.032	515.176
43	497.614	497.603	498.769	499.151	497.923
44	483.312	483.312	483.859	483.849	482.652
45	468.938	469.031	469.392	469.299	468.071
46	454.265	454.461	454.575	454.502	453.512
47	438.839	439.128	439.283	439.252	438.344
48	423.258	423.485	423.598	423.567	422.814
49	407.326	407.574	407.718	407.543	406.686
50	391.198	391.198	391.322	391.260	390.434
51	374.874	374.874	374.936	374.864	374.162
52	358.375	358.540	358.529	358.447	357.683

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-830-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	342.216	342.298	342.216	342.154	341.184
54	326.129	326.026	325.943	325.675	324.664
55	309.867	309.568	309.475	309.000	308.020
56	292.604	292.367	292.263	291.706	290.788
57	275.166	274.918	274.825	274.134	273.184
58	258.109	257.768	257.531	256.860	255.963
59	241.176	240.908	240.526	239.959	239.133
60	224.697	224.378	224.130	223.469	222.778
61	208.569	208.322	208.095	207.569	206.908
62	193.112	192.854	192.565	192.142	191.513
63	178.068	177.892	177.583	177.222	176.623
64	163.508	163.353	163.147	162.755	162.353
65	149.877	149.578	149.465	149.165	148.887
66	136.350	136.401	136.050	135.989	135.617
67	123.493	123.617	123.421	123.297	122.987
68	111.430	111.430	111.358	111.245	111.100
69	99.832	99.874	99.760	99.729	99.667
70	88.884	88.987	88.884	88.884	88.874
71	78.628	78.700	78.597	78.648	78.659
72	68.990	69.104	69.000	69.062	69.145
73	59.992	60.064	60.023	60.106	60.137
74	51.686	51.727	51.737	51.851	51.810
75	43.988	44.050	44.081	44.174	44.112
76	36.879	36.899	36.971	37.075	37.033
77	30.409	30.440	30.553	30.626	30.595
78	24.569	24.548	24.723	24.744	24.734
79	19.327	19.347	19.512	19.585	19.533
80	14.807	14.797	14.962	15.055	15.014
81	10.855	10.907	11.051	11.144	11.092
82	7.347	7.419	7.522	7.533	7.584
83	5.077	5.097	5.293	5.407	5.541
84	4.705	4.716	4.705	4.705	4.685
85	4.365	4.375	4.365	4.354	4.334
86	3.911	3.911	3.900	3.900	3.869
87	3.292	3.302	3.281	3.281	3.261
88	2.518	2.497	2.497	2.497	2.476
89	1.537	1.537	1.537	1.527	1.507
90	0.671	0.671	0.753	0.825	0.856
91	0.588	0.588	0.588	0.588	0.578
92	0.598	0.609	0.609	0.609	0.609
93	0.640	0.650	0.650	0.650	0.650
94	0.671	0.681	0.691	0.691	0.681
95	0.722	0.722	0.733	0.722	0.722
96	0.764	0.774	0.774	0.774	0.764
97	0.815	0.825	0.825	0.815	0.815
98	0.867	0.867	0.867	0.867	0.856
99	0.918	0.918	0.918	0.929	0.918
100	0.960	0.970	0.960	0.980	0.960
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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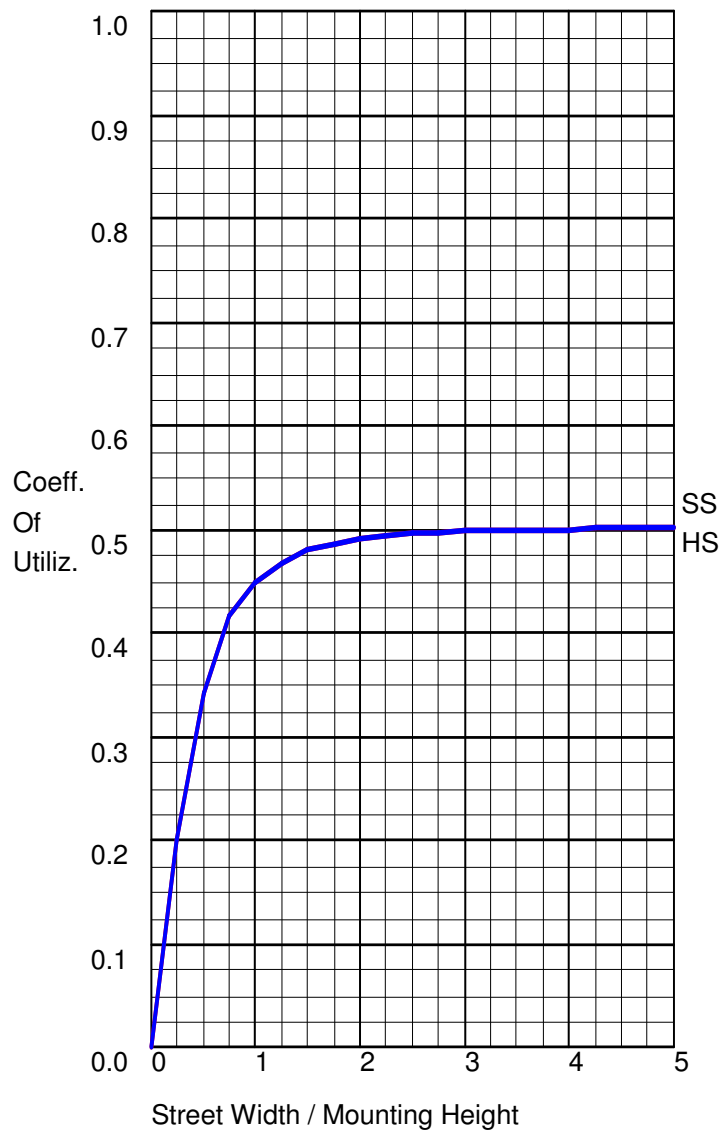
CANDELA TABULATION - (Cont.)

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-L30-830-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

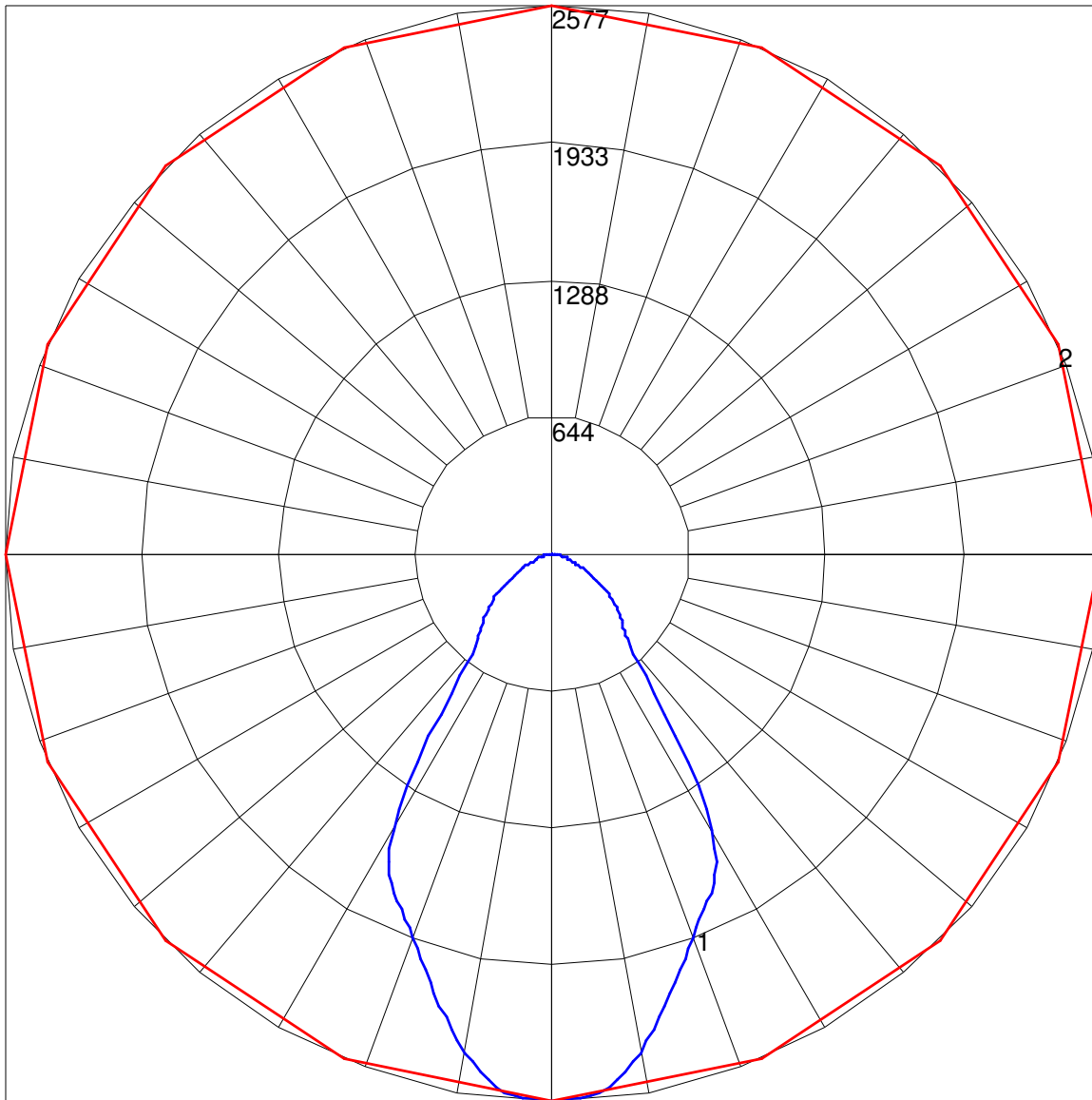
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

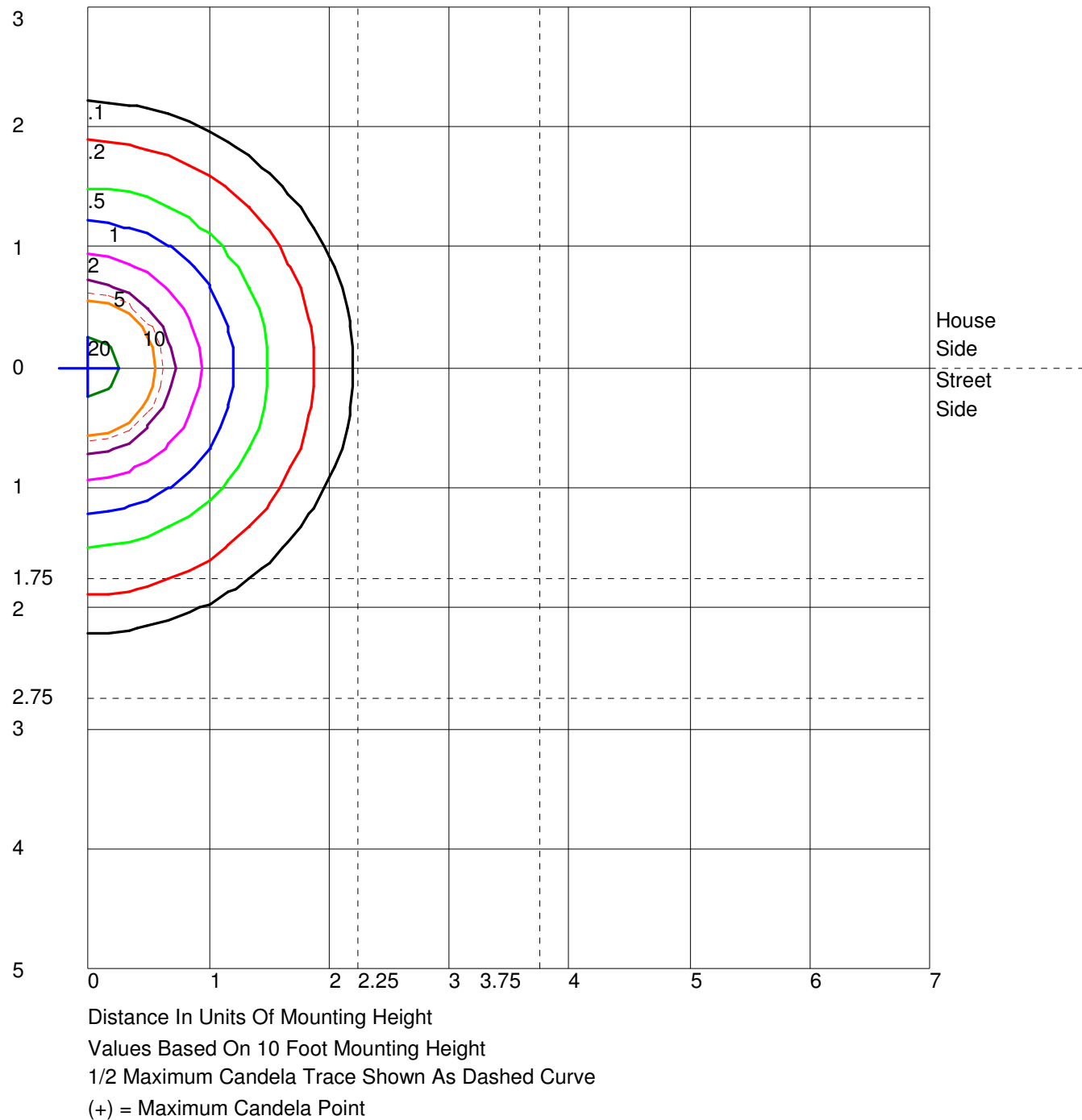
	Lumens	Percent Of Luminaire
Downward Street Side	1538.2	50.0
Downward House Side	1538.2	50.0
Downward Total	3076.4	100.0
Upward Street Side	0.4	0.0
Upward House Side	0.4	0.0
Upward Total	0.8	0.0
Total Flux	3077.2	100.0

POLAR GRAPH

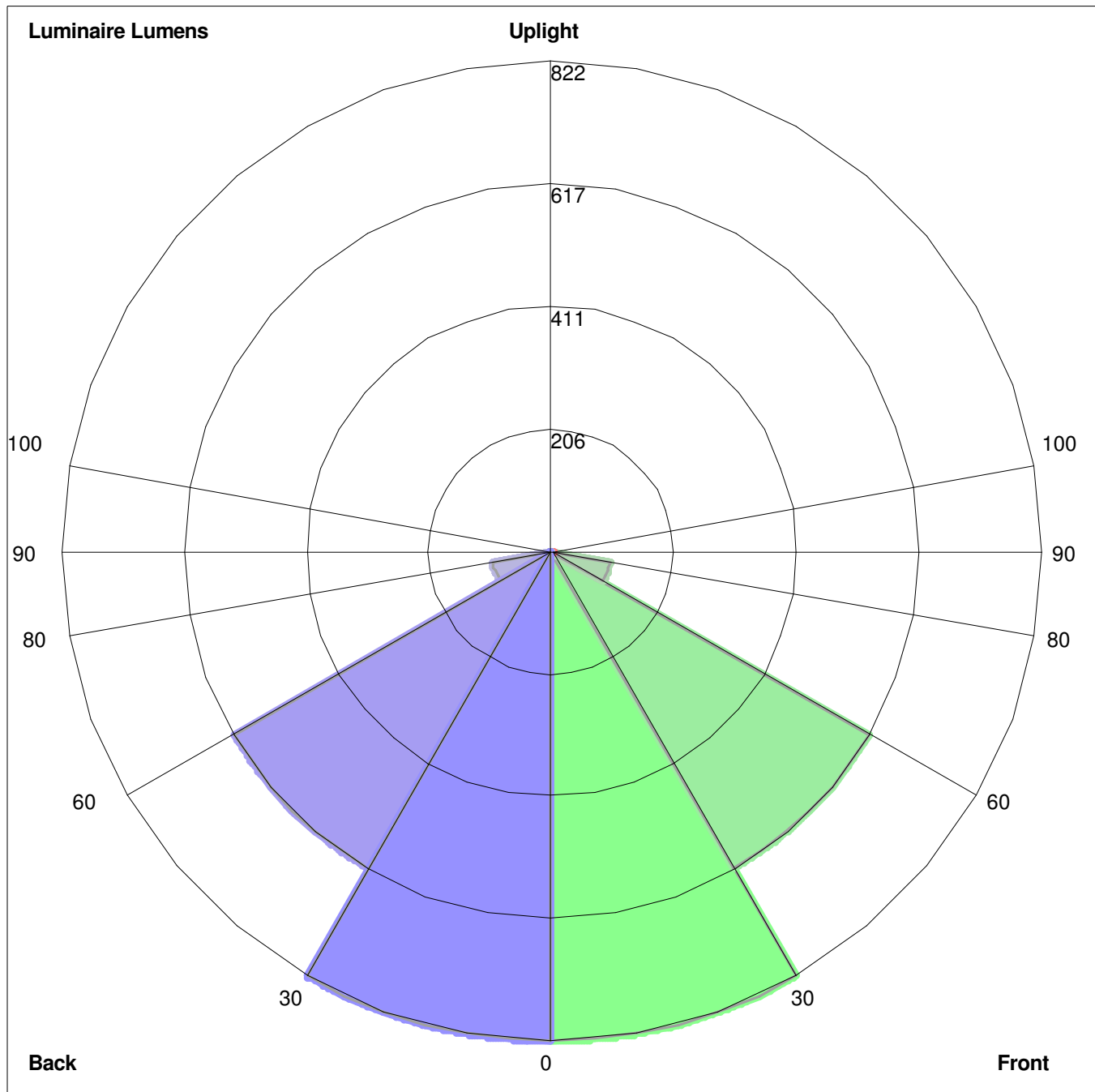


Maximum Candela = 2576.735 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=822.2, Medium=613.7, High=99.4, Very High=2.8  
Back: Low=822.2, Medium=613.7, High=99.4, Very High=2.8  
Uplight: Low=0.8, High=0.1

BUG Rating : B2-U1-G0