

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-835-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-L40-835-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	4045
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3387.355
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	3387.355
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	1.126 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	19.791 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-835-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1080.9	N.A.	26.7
FM - Front-Medium (30-60)	806.8	N.A.	19.9
FH - Front-High (60-80)	130.7	N.A.	3.2
FVH - Front-Very High (80-90)	3.7	N.A.	0.1
BL - Back-Low (0-30)	1080.9	N.A.	26.7
BM - Back-Medium (30-60)	806.8	N.A.	19.9
BH - Back-High (60-80)	130.7	N.A.	3.2
BVH - Back-Very High (80-90)	3.7	N.A.	0.1
UL - Uplight-Low (90-100)	1.1	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	4045.4	N.A.	100.0
BUG Rating	B3-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	3387.355	3387.355	3387.355	3387.355	3387.355
1	3385.456	3386.554	3385.890	3384.235	3384.913
2	3383.340	3383.082	3381.725	3379.474	3379.012
3	3377.954	3377.995	3375.920	3373.220	3370.046
4	3368.608	3369.748	3367.320	3362.681	3360.524
5	3352.453	3353.212	3350.608	3345.752	3344.653
6	3331.400	3330.383	3324.916	3319.680	3319.409
7	3299.632	3297.597	3289.255	3285.335	3283.246
8	3254.827	3254.285	3246.472	3243.203	3240.110
9	3201.993	3202.088	3196.594	3192.633	3190.463
10	3143.448	3144.180	3138.768	3136.448	3135.756
11	3078.757	3080.887	3076.913	3076.438	3076.411
12	3012.060	3014.623	3012.182	3013.945	3013.131
13	2946.596	2948.414	2949.825	2950.856	2948.943
14	2880.360	2882.910	2886.627	2888.227	2883.887
15	2814.666	2818.491	2822.547	2824.650	2819.726
16	2750.288	2755.931	2758.956	2762.604	2759.403
17	2689.572	2694.930	2696.178	2702.526	2699.678
18	2629.223	2635.707	2637.172	2644.361	2641.282
19	2575.181	2580.349	2582.655	2588.339	2586.263
20	2525.358	2527.772	2530.634	2535.870	2531.489
21	2478.885	2479.075	2482.222	2487.173	2480.811
22	2436.956	2431.408	2437.200	2439.574	2437.119
23	2397.849	2390.117	2395.950	2396.683	2397.415
24	2359.271	2353.303	2356.450	2356.490	2357.114
25	2322.280	2317.844	2316.190	2316.203	2317.397
26	2283.838	2279.076	2273.637	2274.112	2272.932
27	2238.816	2231.179	2224.289	2222.607	2224.614
28	2178.209	2169.216	2159.680	2158.500	2161.864
29	2098.557	2090.568	2075.212	2075.402	2079.295
30	1992.169	1984.980	1966.912	1969.123	1972.120
31	1859.004	1852.330	1835.252	1838.576	1840.990
32	1703.430	1699.510	1684.521	1691.073	1693.379
33	1532.827	1531.660	1521.799	1530.141	1533.017
34	1358.927	1361.057	1356.174	1366.415	1367.025
35	1197.222	1197.656	1197.955	1209.946	1208.956
36	1053.151	1052.989	1059.011	1071.016	1071.450
37	933.768	934.311	942.680	954.631	953.166
38	839.846	843.142	852.271	861.387	860.614
39	773.759	778.127	785.167	792.519	792.275
40	728.615	732.169	737.093	741.556	742.044
41	697.688	699.248	702.720	705.325	705.352
42	674.045	674.601	676.920	678.372	677.246
43	654.159	654.145	655.678	656.180	654.566
44	635.358	635.358	636.077	636.063	634.490
45	616.462	616.584	617.059	616.937	615.323
46	597.173	597.431	597.580	597.485	596.183
47	576.894	577.274	577.477	577.437	576.243
48	556.411	556.710	556.859	556.818	555.828
49	535.467	535.793	535.983	535.752	534.626
50	514.266	514.266	514.428	514.347	513.262
51	492.806	492.806	492.888	492.793	491.870
52	471.116	471.333	471.320	471.211	470.207

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-835-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	449.874	449.982	449.874	449.793	448.517
54	428.727	428.591	428.482	428.130	426.800
55	407.349	406.955	406.833	406.209	404.920
56	384.655	384.343	384.207	383.475	382.267
57	361.730	361.405	361.283	360.374	359.126
58	339.308	338.860	338.548	337.667	336.486
59	317.048	316.696	316.194	315.448	314.362
60	295.385	294.965	294.639	293.771	292.862
61	274.184	273.858	273.560	272.868	272.000
62	253.864	253.525	253.145	252.589	251.761
63	234.086	233.856	233.449	232.974	232.187
64	214.947	214.743	214.472	213.956	213.427
65	197.028	196.634	196.485	196.092	195.725
66	179.244	179.312	178.851	178.769	178.281
67	162.343	162.505	162.248	162.085	161.678
68	146.485	146.485	146.390	146.241	146.051
69	131.239	131.293	131.144	131.103	131.022
70	116.846	116.982	116.846	116.846	116.833
71	103.363	103.458	103.322	103.390	103.404
72	90.694	90.843	90.707	90.789	90.897
73	78.865	78.960	78.906	79.014	79.055
74	67.946	68.000	68.014	68.163	68.108
75	57.826	57.908	57.948	58.071	57.989
76	48.480	48.507	48.602	48.738	48.684
77	39.975	40.016	40.165	40.260	40.219
78	32.298	32.270	32.501	32.528	32.515
79	25.407	25.434	25.651	25.746	25.678
80	19.465	19.452	19.669	19.791	19.737
81	14.270	14.338	14.528	14.650	14.582
82	9.658	9.753	9.889	9.902	9.970
83	6.674	6.701	6.959	7.108	7.284
84	6.186	6.199	6.186	6.186	6.158
85	5.738	5.751	5.738	5.724	5.697
86	5.141	5.141	5.127	5.127	5.087
87	4.327	4.341	4.314	4.314	4.286
88	3.310	3.283	3.283	3.283	3.256
89	2.021	2.021	2.021	2.008	1.980
90	0.882	0.882	0.990	1.085	1.126
91	0.773	0.773	0.773	0.773	0.760
92	0.787	0.800	0.800	0.800	0.800
93	0.841	0.855	0.855	0.855	0.855
94	0.882	0.895	0.909	0.909	0.895
95	0.950	0.950	0.963	0.950	0.950
96	1.004	1.017	1.017	1.017	1.004
97	1.072	1.085	1.085	1.072	1.072
98	1.139	1.139	1.139	1.139	1.126
99	1.207	1.207	1.207	1.221	1.207
100	1.262	1.275	1.262	1.289	1.262
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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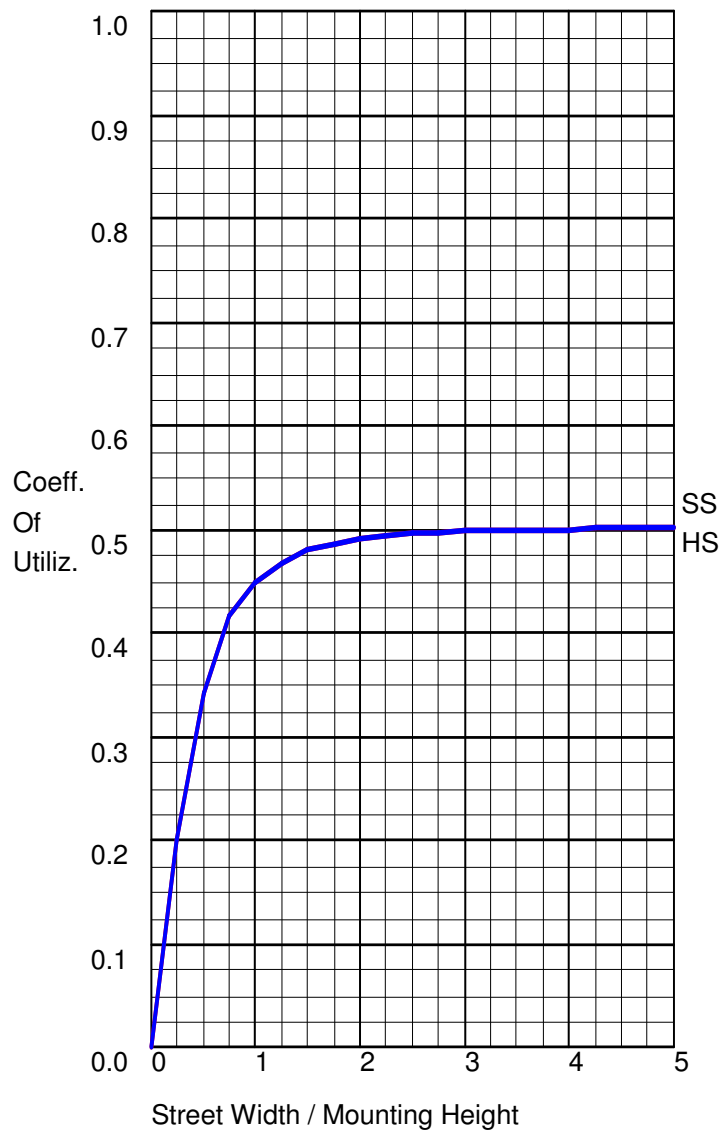
CANDELA TABULATION - (Cont.)

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-L40-835-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

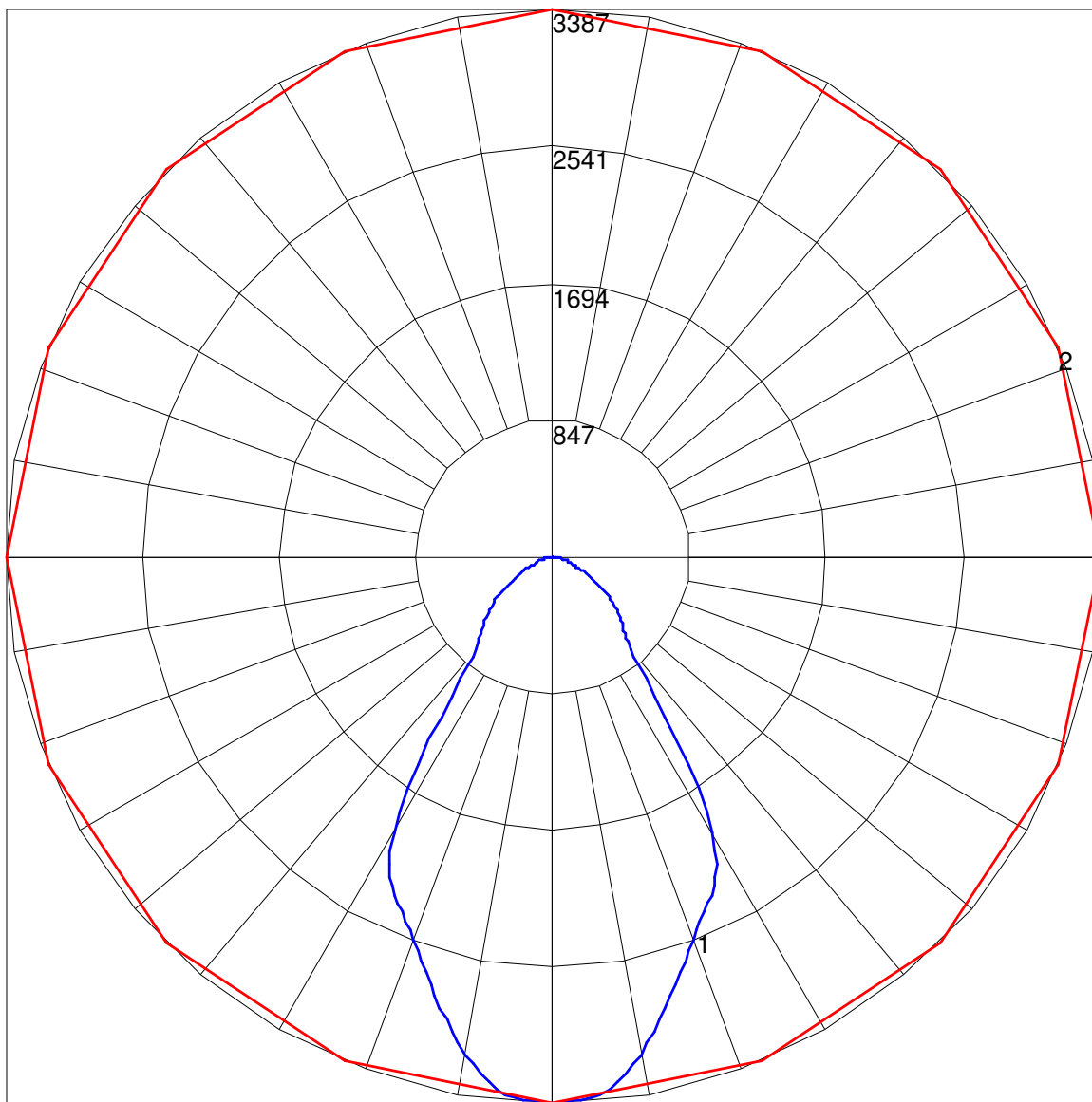
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

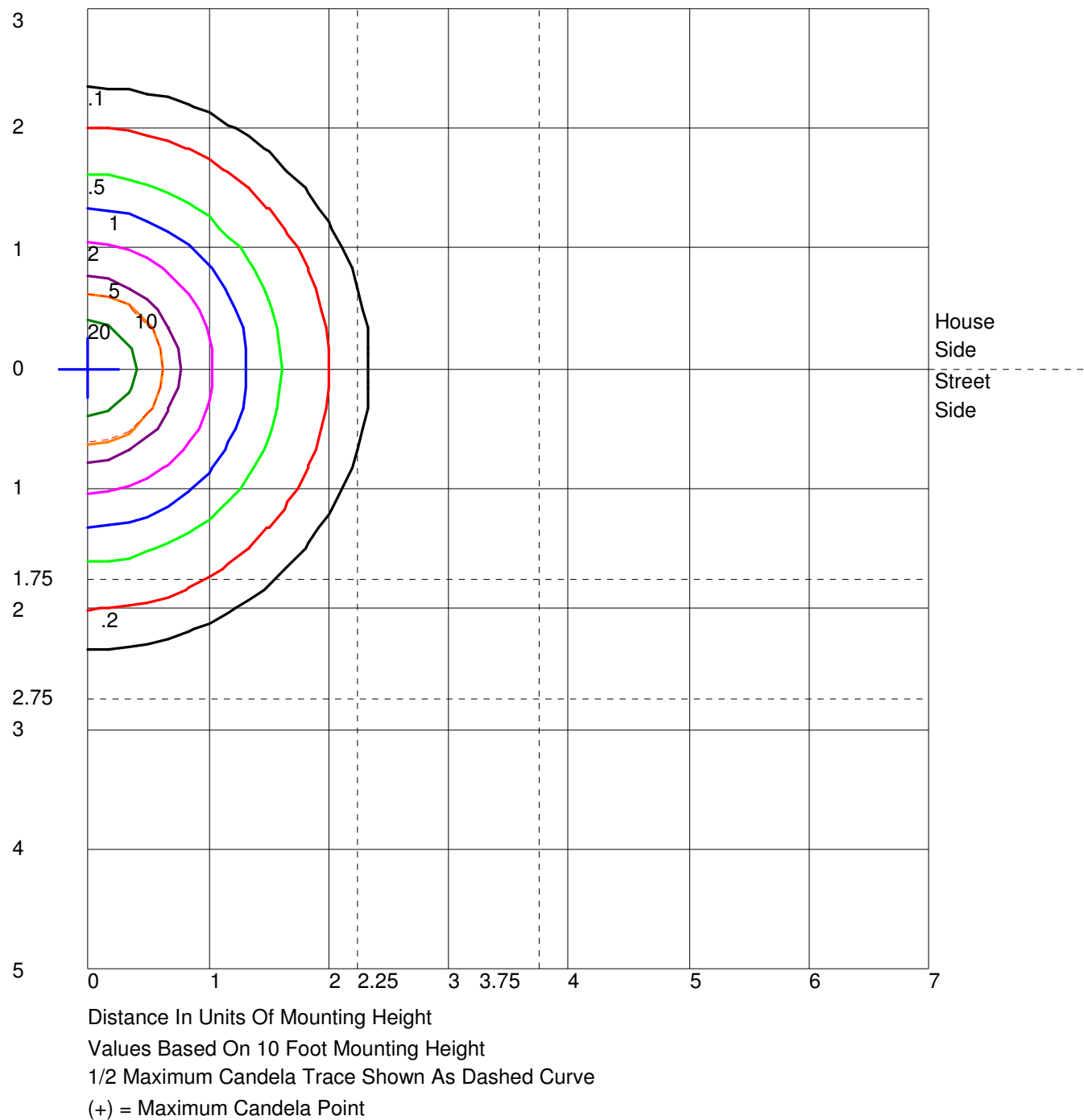
	Lumens	Percent Of Luminaire
Downward Street Side	2022.1	50.0
Downward House Side	2022.1	50.0
Downward Total	4044.2	100.0
Upward Street Side	0.6	0.0
Upward House Side	0.6	0.0
Upward Total	1.2	0.0
Total Flux	4045.4	100.0

POLAR GRAPH

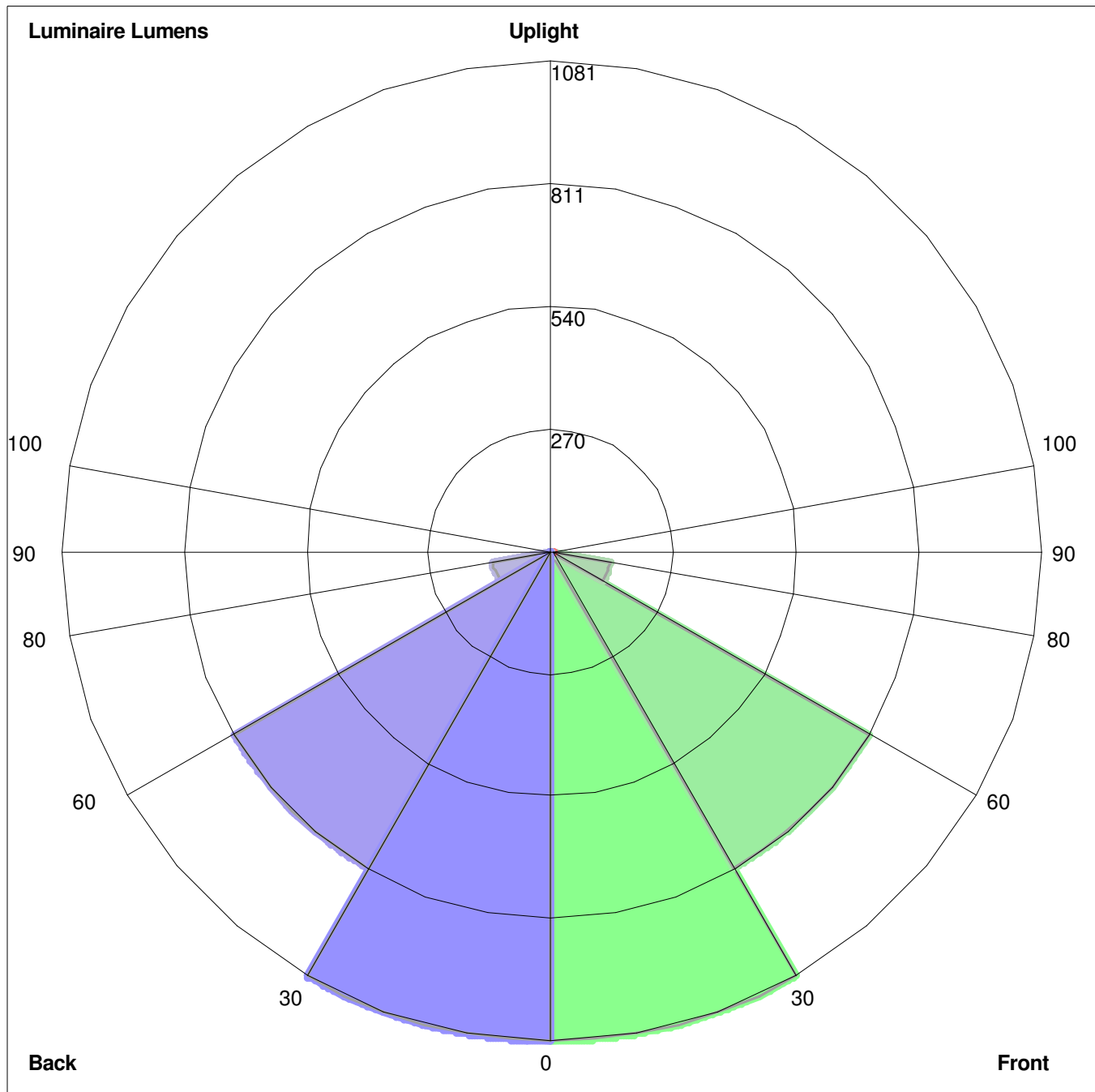


Maximum Candela = 3387.355 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1080.9, Medium=806.8, High=130.7, Very High=3.7  
Back: Low=1080.9, Medium=806.8, High=130.7, Very High=3.7  
Uplight: Low=1.1, High=0.1

BUG Rating : B3-U1-G0