

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-840-XXX-DIM-UNV-W-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM W6CR\_Angela-XW\_(V22)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L50-840-xxx-DIM-UNV-W-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH WIDE DIST.  
[LAMPCAT] BL VERO 22  
[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	5224
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4223.003
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	4223.003
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.446 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	26.89 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L50-840-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1370.9	N.A.	26.2
FM - Front-Medium (30-60)	1060.9	N.A.	20.3
FH - Front-High (60-80)	174.6	N.A.	3.3
FVH - Front-Very High (80-90)	4.9	N.A.	0.1
BL - Back-Low (0-30)	1370.9	N.A.	26.2
BM - Back-Medium (30-60)	1060.9	N.A.	20.3
BH - Back-High (60-80)	174.6	N.A.	3.3
BVH - Back-Very High (80-90)	4.9	N.A.	0.1
UL - Uplight-Low (90-100)	1.4	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	5224.1	N.A.	100.0
BUG Rating	B3-U1-G0		

**IES ROAD REPORT**  
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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	4186.301	4186.301	4186.301	4186.301	4186.301
1	4190.292	4191.163	4196.687	4196.321	4194.370
2	4178.458	4183.268	4195.555	4200.887	4198.639
3	4160.404	4169.588	4196.269	4210.333	4209.793
4	4136.702	4153.136	4195.799	4221.853	4221.765
5	4104.863	4131.509	4189.089	4222.706	4223.003
6	4070.095	4102.492	4171.557	4209.636	4208.695
7	4028.461	4066.331	4139.700	4179.068	4176.123
8	3982.784	4021.804	4095.905	4135.343	4127.867
9	3930.484	3970.253	4041.915	4079.419	4070.653
10	3873.880	3914.085	3978.758	4013.892	4006.380
11	3815.272	3851.312	3905.563	3937.839	3932.209
12	3753.980	3783.362	3829.649	3855.407	3847.565
13	3692.600	3712.137	3751.888	3773.568	3757.866
14	3625.644	3641.259	3673.221	3688.714	3668.690
15	3556.859	3569.947	3594.659	3605.028	3585.910
16	3485.877	3496.717	3516.985	3522.683	3506.685
17	3413.240	3425.927	3442.343	3439.886	3430.057
18	3346.893	3356.531	3371.536	3363.641	3357.402
19	3281.593	3287.501	3299.613	3289.854	3283.928
20	3220.615	3224.728	3231.542	3225.494	3211.866
21	3162.111	3162.616	3166.625	3163.191	3147.245
22	3108.539	3102.405	3105.123	3102.736	3092.471
23	3057.059	3046.986	3050.088	3045.835	3039.039
24	3008.018	2998.398	3000.821	2990.974	2985.606
25	2961.975	2950.595	2949.723	2937.315	2928.375
26	2911.470	2902.356	2894.984	2879.909	2867.919
27	2854.518	2842.685	2829.719	2812.988	2798.994
28	2781.828	2768.182	2747.583	2725.294	2718.201
29	2687.529	2671.321	2643.542	2616.355	2610.447
30	2564.770	2544.397	2514.300	2482.861	2473.886
31	2410.520	2388.910	2357.175	2326.032	2314.635
32	2229.310	2210.785	2183.738	2156.325	2149.981
33	2026.194	2013.542	1997.247	1979.384	1985.292
34	1815.079	1809.467	1807.603	1804.779	1818.321
35	1610.586	1610.656	1621.077	1633.887	1652.046
36	1424.688	1429.132	1449.853	1471.516	1491.331
37	1261.847	1270.055	1296.144	1322.180	1341.507
38	1128.928	1139.751	1166.641	1191.998	1208.240
39	1029.453	1041.147	1064.795	1085.447	1098.639
40	958.001	967.708	986.181	1000.732	1011.729
41	907.862	915.129	927.903	936.774	944.738
42	872.624	876.162	884.474	889.476	893.519
43	844.566	845.838	851.049	853.123	853.192
44	819.523	819.836	822.764	822.712	820.777
45	796.327	795.908	797.303	795.961	793.730
46	772.747	772.190	773.009	770.970	768.338
47	748.436	747.879	747.931	746.014	743.365
48	723.567	722.870	722.557	720.535	717.903
49	697.827	696.816	697.008	694.586	692.076
50	671.059	670.274	670.344	668.096	665.621
51	643.977	643.489	643.401	641.188	639.045
52	616.598	616.302	616.267	614.211	612.015

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L50-840-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	589.673	589.185	589.167	587.285	585.002
54	562.800	562.207	561.946	559.820	557.484
55	535.509	534.498	534.376	531.849	529.670
56	506.161	505.499	505.307	502.762	500.619
57	477.075	476.046	475.698	473.153	471.045
58	448.128	447.012	446.542	444.050	442.377
59	419.285	418.240	417.717	415.242	413.656
60	391.280	390.164	389.729	387.289	385.755
61	363.866	362.733	362.559	360.137	358.865
62	337.481	336.331	336.070	333.943	332.724
63	311.654	310.713	310.434	308.569	307.419
64	286.541	285.844	285.652	283.979	283.021
65	262.787	262.143	262.090	260.592	259.999
66	239.539	239.243	239.261	237.814	237.274
67	217.685	217.424	217.232	216.065	215.699
68	196.720	196.407	196.372	195.378	195.152
69	176.487	176.278	176.295	175.459	175.494
70	157.509	157.404	157.265	156.655	156.707
71	139.506	139.489	139.262	138.896	138.966
72	122.671	122.689	122.584	122.183	122.514
73	106.882	106.865	106.830	106.516	106.812
74	92.261	92.191	92.261	92.069	92.313
75	78.702	78.685	78.754	78.650	78.807
76	66.102	66.067	66.189	66.102	66.276
77	54.583	54.565	54.809	54.670	54.861
78	44.074	44.039	44.335	44.283	44.475
79	34.698	34.663	34.942	35.064	35.134
80	26.385	26.420	26.716	26.838	26.890
81	19.135	19.205	19.432	19.641	19.693
82	12.617	12.722	12.983	13.175	13.315
83	8.644	8.731	9.167	9.411	9.515
84	8.017	8.017	8.034	8.051	7.982
85	7.424	7.424	7.424	7.424	7.354
86	6.657	6.657	6.640	6.622	6.570
87	5.594	5.612	5.594	5.594	5.524
88	4.270	4.252	4.235	4.235	4.183
89	2.597	2.597	2.579	2.597	2.544
90	1.046	1.133	1.342	1.446	1.446
91	0.941	0.959	0.959	0.976	0.941
92	1.011	1.011	1.011	1.011	0.993
93	1.063	1.063	1.080	1.063	1.046
94	1.133	1.133	1.133	1.133	1.133
95	1.202	1.202	1.220	1.220	1.202
96	1.272	1.290	1.290	1.290	1.272
97	1.359	1.359	1.377	1.377	1.359
98	1.464	1.446	1.446	1.464	1.464
99	1.586	1.551	1.551	1.568	1.534
100	1.621	1.638	1.638	1.656	1.621
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

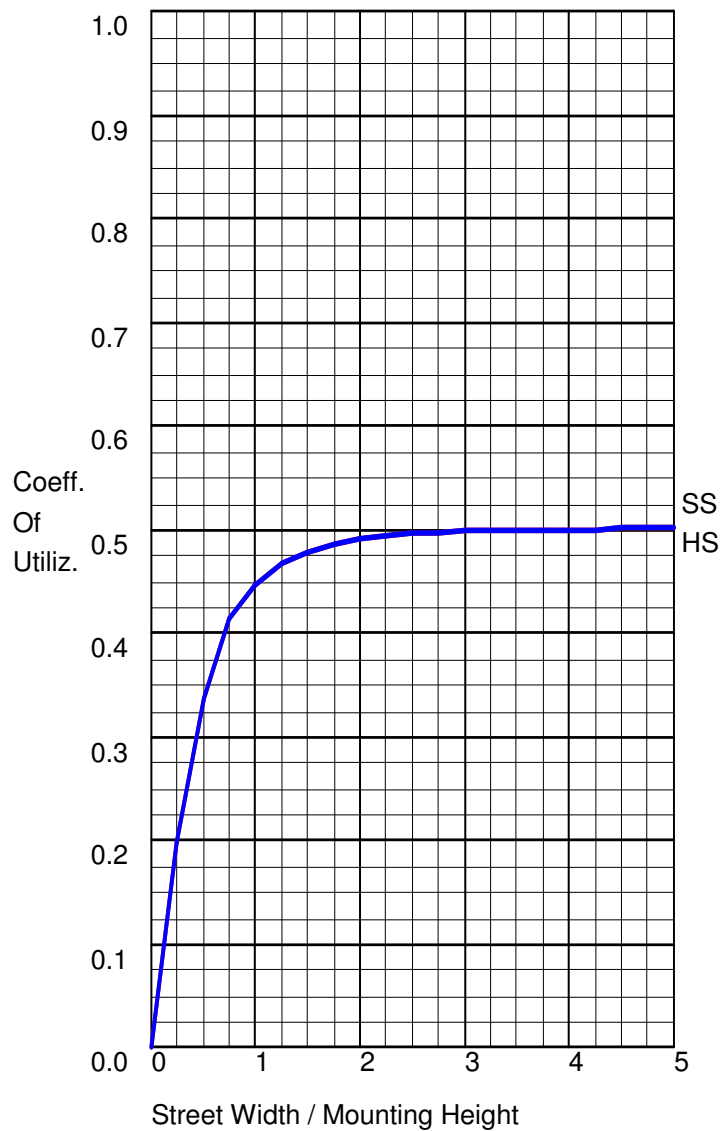
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L50-840-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L50-840-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

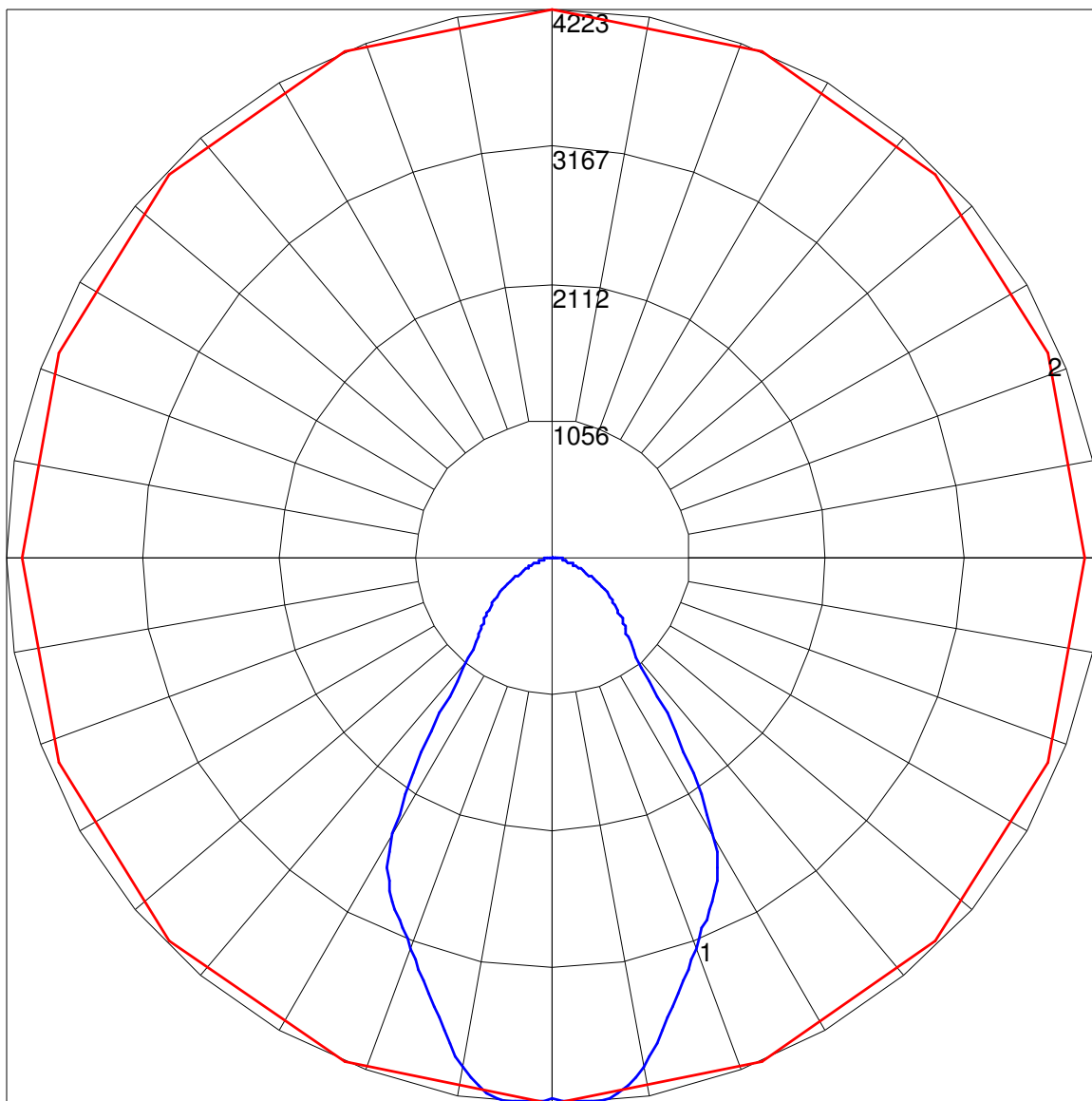
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

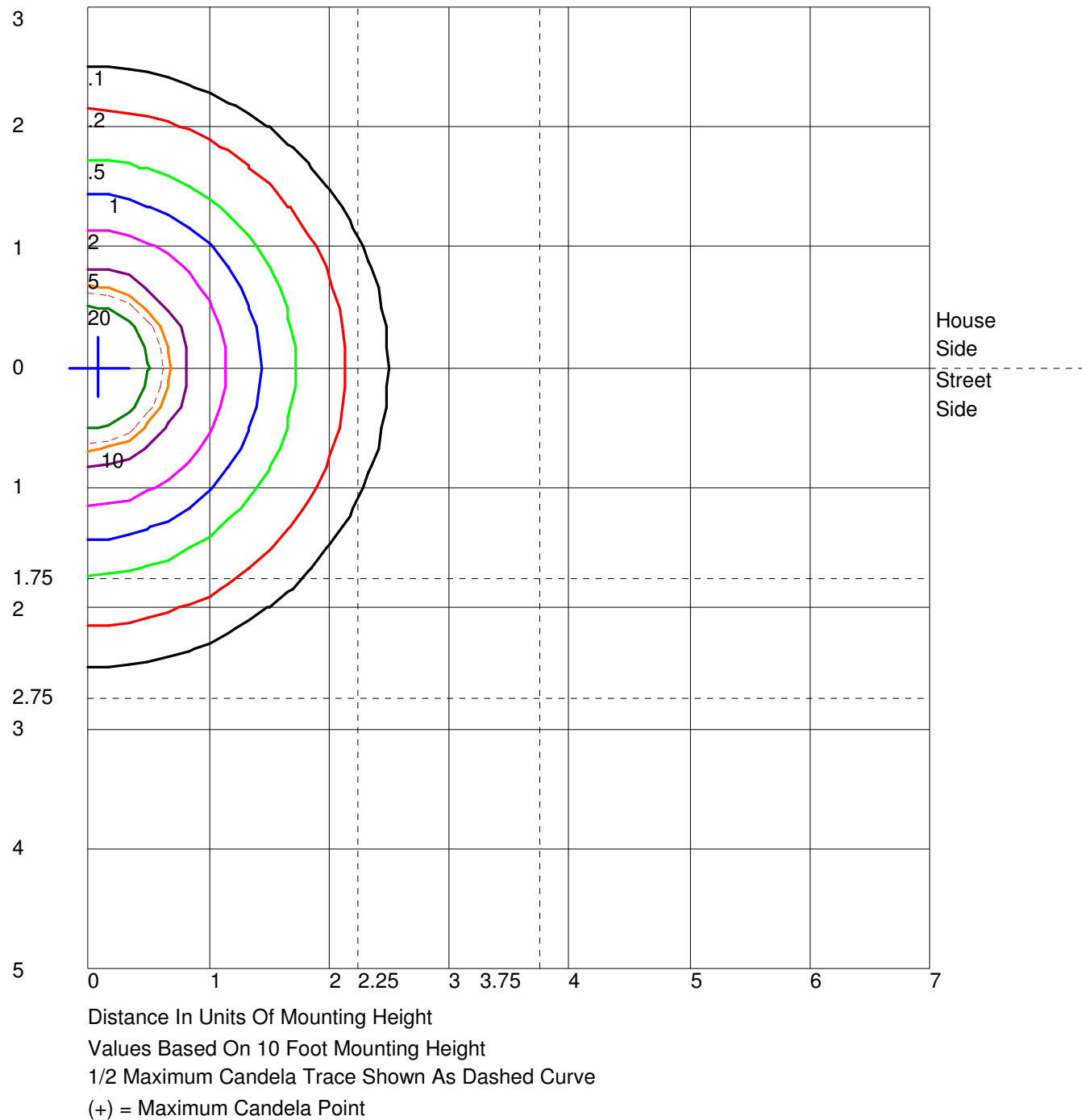
	Lumens	Percent Of Luminaire
Downward Street Side	2611.3	50.0
Downward House Side	2611.3	50.0
Downward Total	5222.6	100.0
Upward Street Side	0.7	0.0
Upward House Side	0.7	0.0
Upward Total	1.4	0.0
Total Flux	5224.0	100.0

POLAR GRAPH

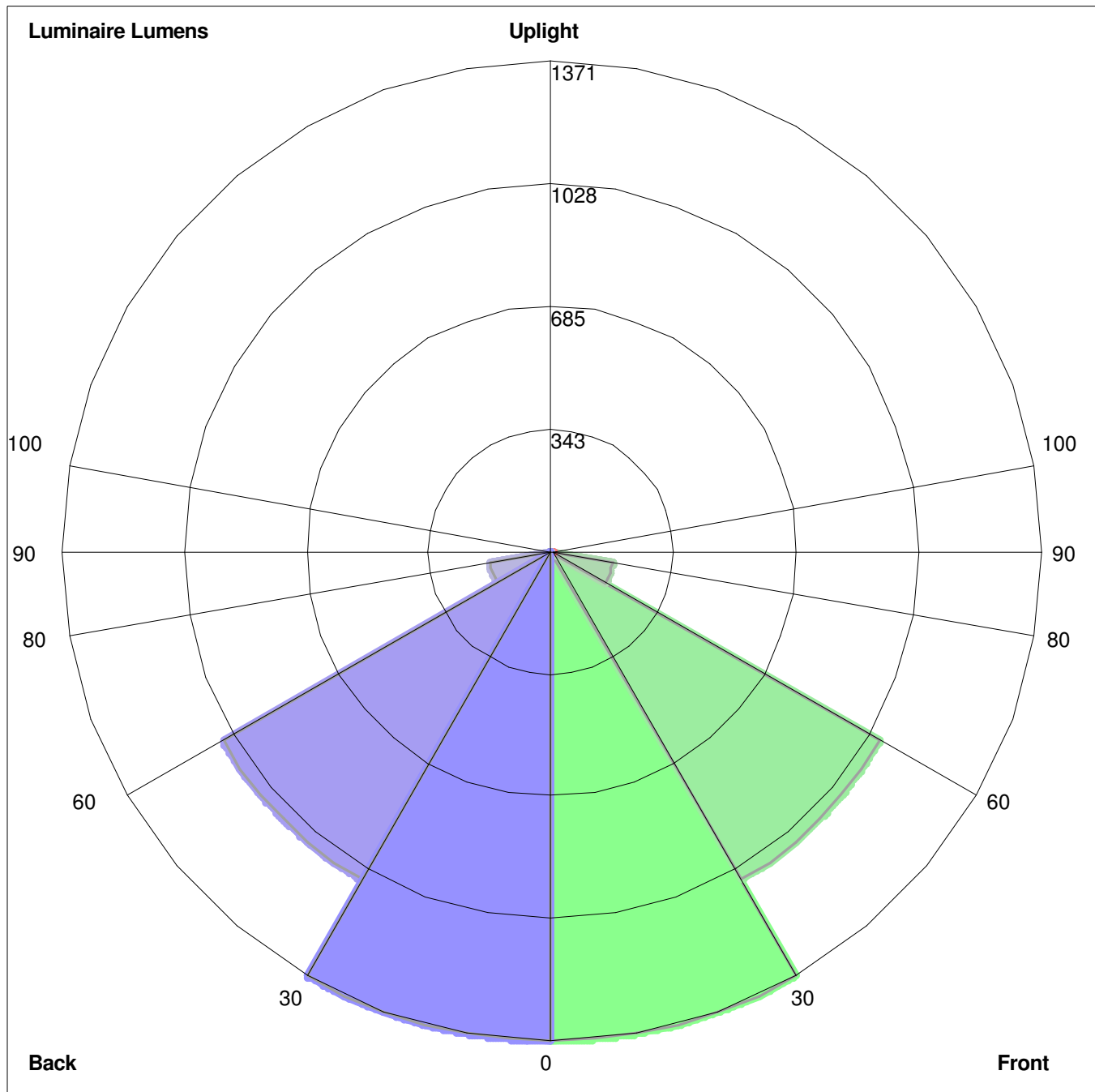


Maximum Candela = 4223.003 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1370.9, Medium=1060.9, High=174.6, Very High=4.9  
Back: Low=1370.9, Medium=1060.9, High=174.6, Very High=4.9  
Uplight: Low=1.4, High=0.1

BUG Rating : B3-U1-G0