

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-850-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-L50-850-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	5121
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4139.38
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	4139.38
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.418 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	26.358 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-850-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1343.7	N.A.	26.2
FM - Front-Medium (30-60)	1039.9	N.A.	20.3
FH - Front-High (60-80)	171.2	N.A.	3.3
FVH - Front-Very High (80-90)	4.8	N.A.	0.1
BL - Back-Low (0-30)	1343.7	N.A.	26.2
BM - Back-Medium (30-60)	1039.9	N.A.	20.3
BH - Back-High (60-80)	171.2	N.A.	3.3
BVH - Back-Very High (80-90)	4.8	N.A.	0.1
UL - Uplight-Low (90-100)	1.3	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	5120.6	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT
PHOTOMETRIC FILENAME : W6CR-XX-L50-850-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	4103.405	4103.405	4103.405	4103.405	4103.405
1	4107.317	4108.171	4113.586	4113.227	4111.314
2	4095.718	4100.433	4112.476	4117.703	4115.499
3	4078.021	4087.023	4113.176	4126.962	4126.432
4	4054.789	4070.897	4112.715	4138.253	4138.168
5	4023.580	4049.698	4106.138	4139.090	4139.380
6	3989.500	4021.256	4088.953	4126.278	4125.356
7	3948.691	3985.811	4057.727	4096.316	4093.429
8	3903.918	3942.165	4014.799	4053.456	4046.128
9	3852.654	3891.636	3961.878	3998.639	3990.047
10	3797.171	3836.580	3899.972	3934.410	3927.048
11	3739.723	3775.049	3828.226	3859.863	3854.345
12	3679.645	3708.445	3753.816	3779.064	3771.377
13	3619.481	3638.630	3677.595	3698.845	3683.454
14	3553.851	3569.156	3600.485	3615.672	3596.044
15	3486.427	3499.256	3523.478	3533.642	3514.903
16	3416.851	3427.476	3447.343	3452.929	3437.247
17	3345.652	3358.088	3374.179	3371.771	3362.136
18	3280.620	3290.066	3304.774	3297.036	3290.920
19	3216.612	3222.403	3234.275	3224.709	3218.901
20	3156.841	3160.873	3167.552	3161.624	3148.266
21	3099.496	3099.991	3103.920	3100.555	3084.925
22	3046.985	3040.972	3043.637	3041.297	3031.235
23	2996.524	2986.650	2989.691	2985.523	2978.861
24	2948.454	2939.025	2941.399	2931.748	2926.487
25	2903.323	2892.168	2891.314	2879.152	2870.388
26	2853.819	2844.884	2837.659	2822.882	2811.130
27	2797.994	2786.395	2773.686	2757.287	2743.569
28	2726.743	2713.368	2693.177	2671.328	2664.376
29	2634.311	2618.425	2591.195	2564.547	2558.756
30	2513.983	2494.014	2464.513	2433.697	2424.899
31	2362.788	2341.606	2310.499	2279.973	2268.801
32	2185.166	2167.008	2140.496	2113.626	2107.408
33	1986.072	1973.671	1957.699	1940.189	1945.980
34	1779.138	1773.637	1771.809	1769.042	1782.315
35	1578.694	1578.762	1588.977	1601.533	1619.333
36	1396.477	1400.833	1421.144	1442.377	1461.800
37	1236.860	1244.906	1270.478	1295.999	1314.943
38	1106.574	1117.182	1143.540	1168.394	1184.315
39	1009.068	1020.530	1043.711	1063.953	1076.885
40	939.031	948.545	966.653	980.916	991.695
41	889.885	897.008	909.529	918.224	926.031
42	855.344	858.812	866.960	871.863	875.826
43	827.842	829.089	834.197	836.229	836.298
44	803.295	803.602	806.472	806.421	804.525
45	780.558	780.148	781.515	780.199	778.013
46	757.446	756.899	757.702	755.703	753.124
47	733.616	733.069	733.121	731.242	728.645
48	709.240	708.556	708.249	706.267	703.688
49	684.009	683.018	683.206	680.832	678.372
50	657.771	657.002	657.070	654.867	652.441
51	631.225	630.746	630.661	628.492	626.390
52	604.388	604.098	604.064	602.048	599.896

IES ROAD REPORT
PHOTOMETRIC FILENAME : W6CR-XX-L50-850-XXX-DIM-UNV-W-XXX_.IES

CANDELA TABULATION - (Cont.)

53	577.996	577.518	577.501	575.656	573.418
54	551.655	551.075	550.818	548.734	546.445
55	524.905	523.914	523.794	521.317	519.182
56	496.138	495.489	495.301	492.807	490.706
57	467.628	466.620	466.278	463.784	461.717
58	439.254	438.161	437.700	435.257	433.617
59	410.983	409.958	409.445	407.020	405.465
60	383.532	382.438	382.011	379.620	378.116
61	356.661	355.551	355.380	353.006	351.759
62	330.799	329.671	329.415	327.331	326.135
63	305.483	304.560	304.287	302.459	301.332
64	280.867	280.184	279.996	278.356	277.416
65	257.584	256.952	256.901	255.431	254.851
66	234.796	234.506	234.523	233.105	232.575
67	213.375	213.119	212.931	211.786	211.427
68	192.825	192.517	192.483	191.510	191.287
69	172.992	172.787	172.804	171.984	172.019
70	154.390	154.287	154.151	153.553	153.604
71	136.744	136.727	136.505	136.146	136.214
72	120.242	120.259	120.157	119.764	120.088
73	104.766	104.749	104.714	104.407	104.697
74	90.434	90.365	90.434	90.246	90.485
75	77.144	77.127	77.195	77.092	77.246
76	64.793	64.759	64.879	64.793	64.964
77	53.502	53.485	53.724	53.587	53.775
78	43.201	43.167	43.457	43.406	43.594
79	34.011	33.977	34.250	34.370	34.438
80	25.863	25.897	26.187	26.307	26.358
81	18.756	18.825	19.047	19.252	19.303
82	12.368	12.470	12.726	12.914	13.051
83	8.473	8.558	8.985	9.224	9.327
84	7.858	7.858	7.875	7.892	7.824
85	7.277	7.277	7.277	7.277	7.209
86	6.525	6.525	6.508	6.491	6.440
87	5.483	5.500	5.483	5.483	5.415
88	4.185	4.168	4.151	4.151	4.100
89	2.545	2.545	2.528	2.545	2.494
90	1.025	1.110	1.315	1.418	1.418
91	0.922	0.940	0.940	0.957	0.922
92	0.991	0.991	0.991	0.991	0.974
93	1.042	1.042	1.059	1.042	1.025
94	1.110	1.110	1.110	1.110	1.110
95	1.179	1.179	1.196	1.196	1.179
96	1.247	1.264	1.264	1.264	1.247
97	1.332	1.332	1.350	1.350	1.332
98	1.435	1.418	1.418	1.435	1.435
99	1.554	1.520	1.520	1.537	1.503
100	1.589	1.606	1.606	1.623	1.589
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-L50-850-XXX-DIM-UNV-W-XXX_.IES

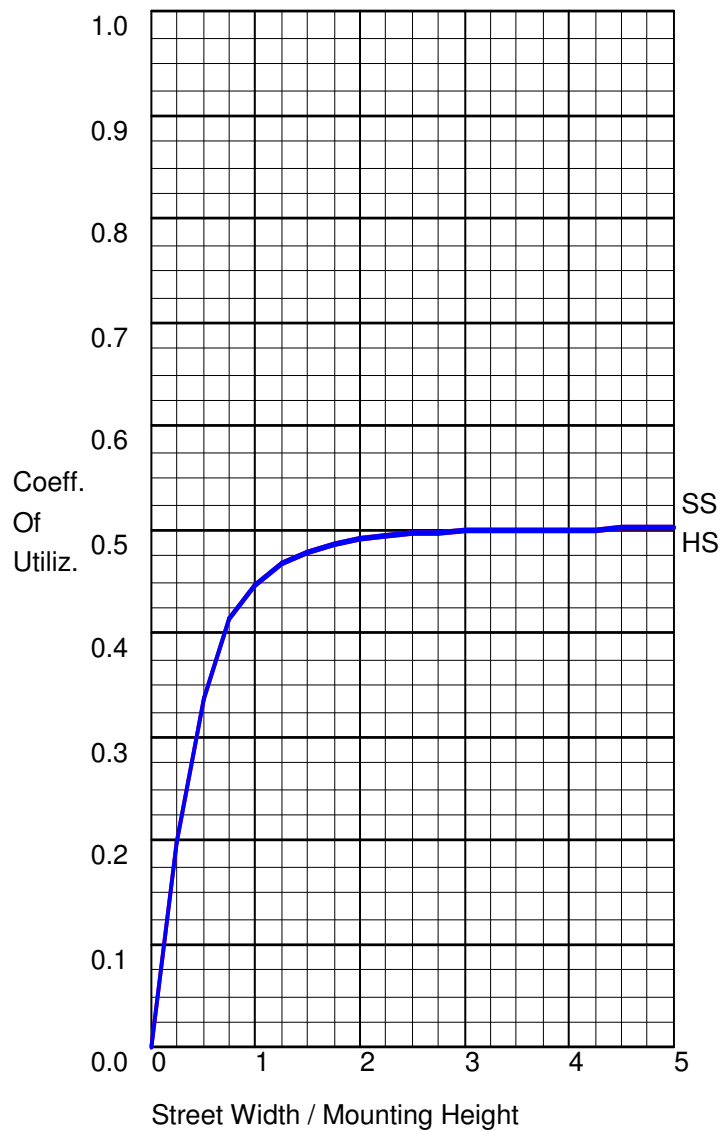
CANDELA TABULATION - (Cont.)

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-L50-850-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

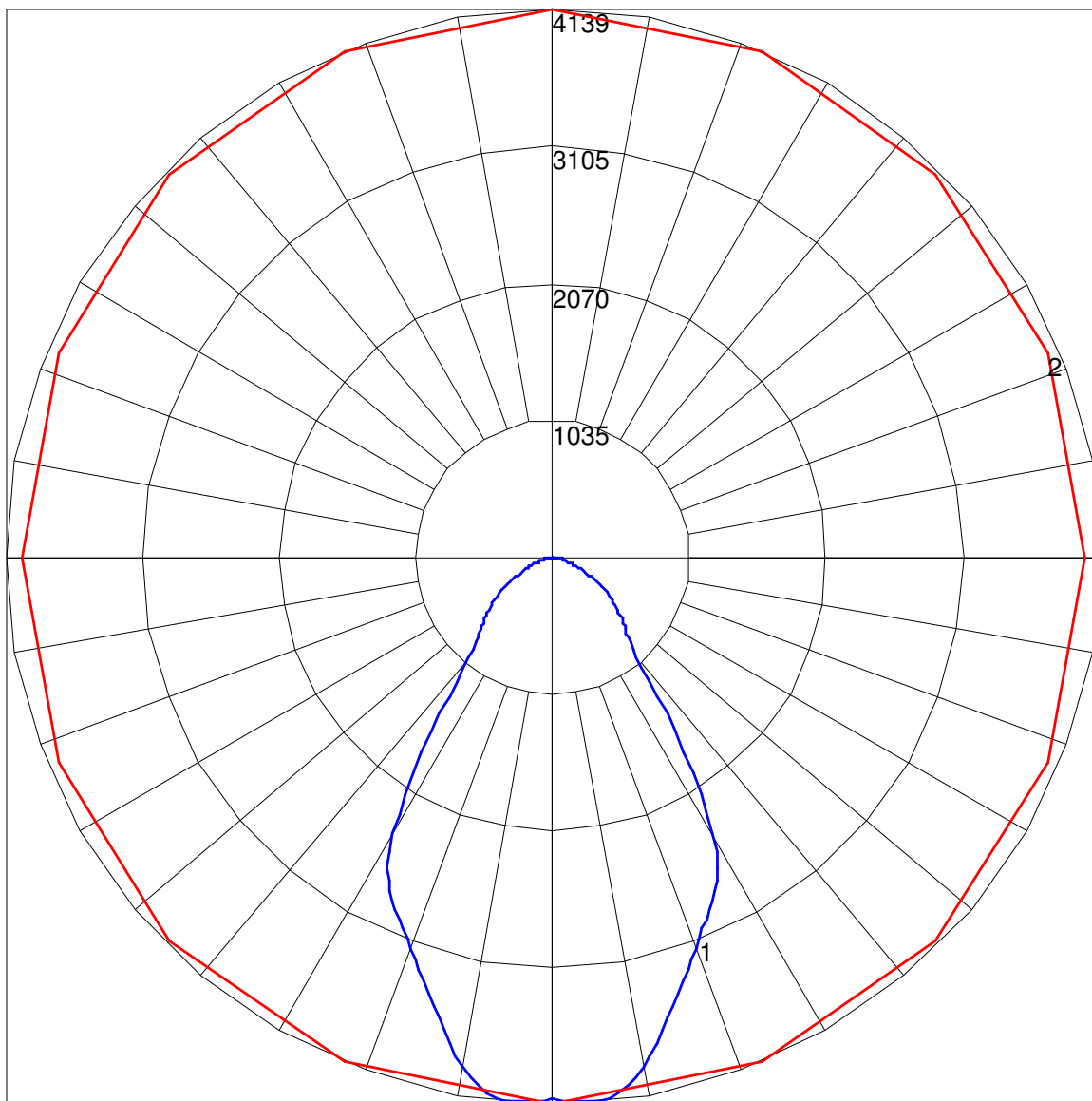
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

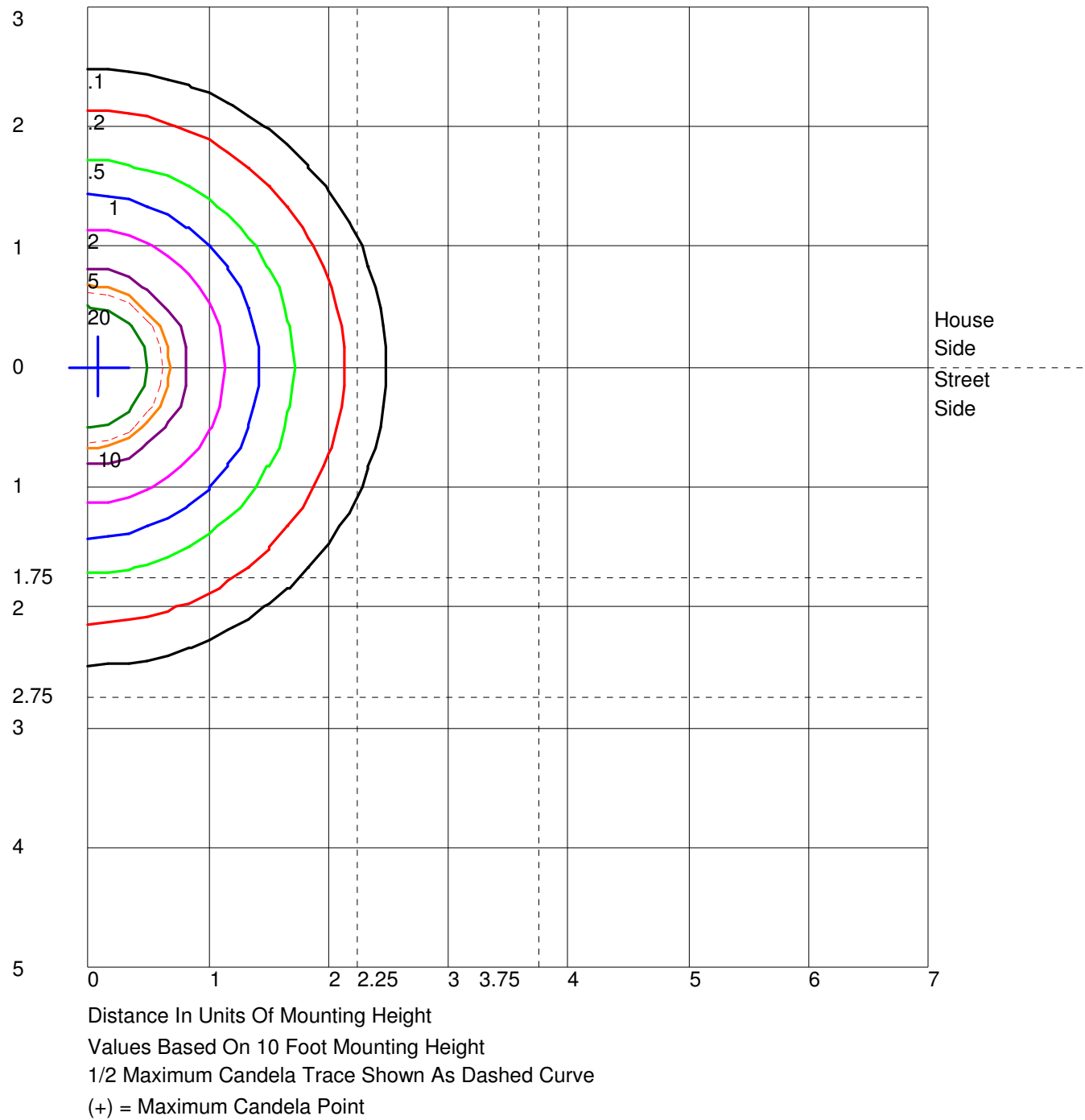
	Lumens	Percent Of Luminaire
Downward Street Side	2559.6	50.0
Downward House Side	2559.6	50.0
Downward Total	5119.2	100.0
Upward Street Side	0.7	0.0
Upward House Side	0.7	0.0
Upward Total	1.4	0.0
Total Flux	5120.6	100.0

POLAR GRAPH

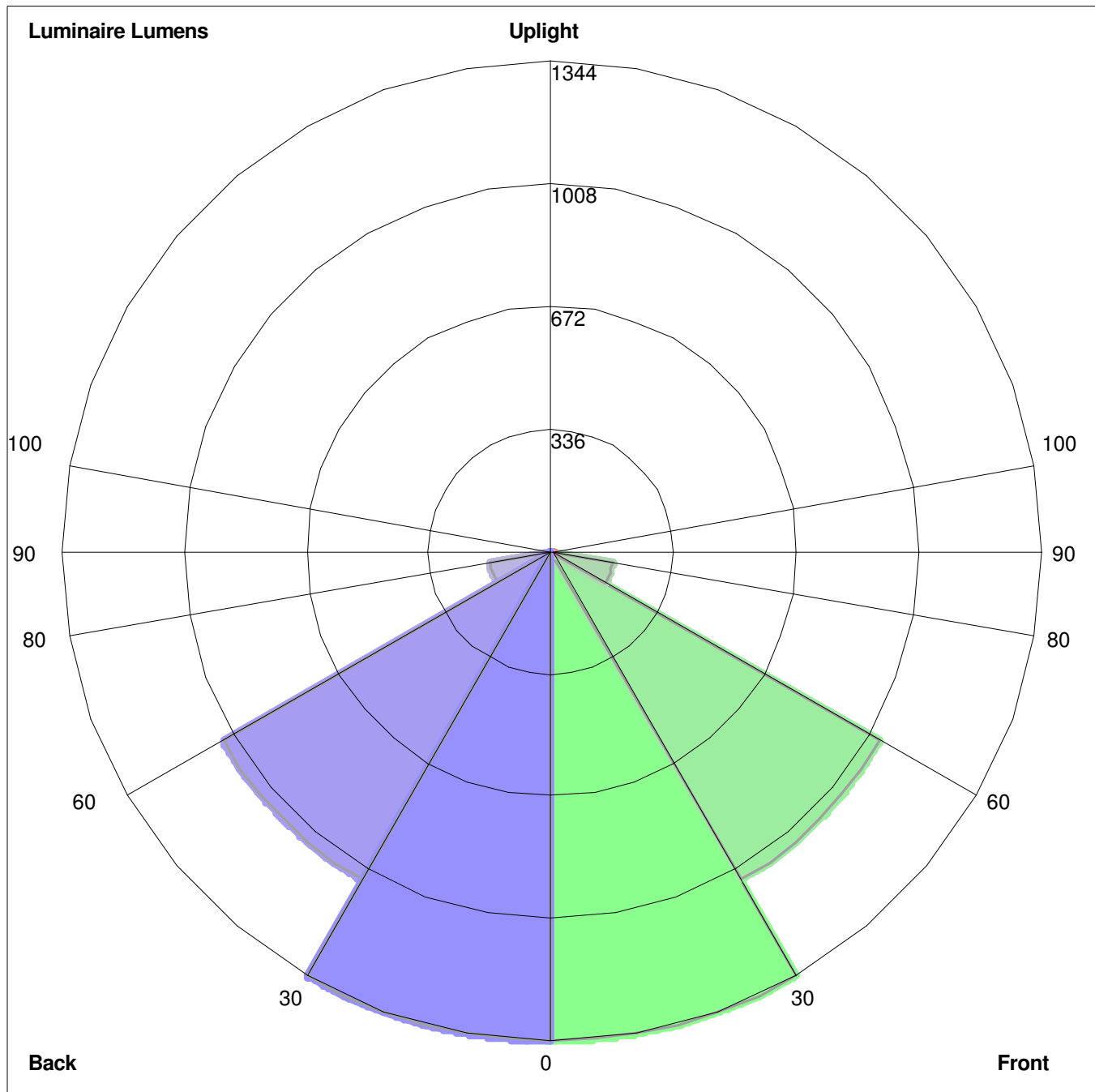


Maximum Candela = 4139.38 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1343.7, Medium=1039.9, High=171.2, Very High=4.8
Back: Low=1343.7, Medium=1039.9, High=171.2, Very High=4.8
Uplight: Low=1.3, High=0.1

BUG Rating : B3-U1-G0