

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-940-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-L50-940-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	5017
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4055.756
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	4055.756
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.389 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	25.825 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L50-940-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1316.6	N.A.	26.2
FM - Front-Medium (30-60)	1018.9	N.A.	20.3
FH - Front-High (60-80)	167.7	N.A.	3.3
FVH - Front-Very High (80-90)	4.7	N.A.	0.1
BL - Back-Low (0-30)	1316.6	N.A.	26.2
BM - Back-Medium (30-60)	1018.9	N.A.	20.3
BH - Back-High (60-80)	167.7	N.A.	3.3
BVH - Back-Very High (80-90)	4.7	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	5017.2	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	4020.507	4020.507	4020.507	4020.507	4020.507
1	4024.340	4025.177	4030.483	4030.131	4028.257
2	4012.976	4017.595	4029.395	4034.517	4032.357
3	3995.636	4004.457	4030.081	4043.588	4043.069
4	3972.873	3988.657	4029.629	4054.651	4054.568
5	3942.295	3967.886	4023.185	4055.471	4055.756
6	3908.904	3940.018	4006.348	4042.919	4042.015
7	3868.919	3905.289	3975.752	4013.562	4010.733
8	3825.051	3862.525	3933.692	3971.568	3964.388
9	3774.822	3813.017	3881.840	3917.858	3909.439
10	3720.460	3759.073	3821.184	3854.926	3847.713
11	3664.173	3698.785	3750.888	3781.885	3776.479
12	3605.308	3633.527	3677.981	3702.718	3695.187
13	3546.360	3565.122	3603.300	3624.121	3609.040
14	3482.055	3497.052	3527.748	3542.627	3523.396
15	3415.994	3428.563	3452.297	3462.255	3443.895
16	3347.823	3358.234	3377.699	3383.172	3367.807
17	3278.062	3290.247	3306.014	3303.654	3294.214
18	3214.344	3223.600	3238.010	3230.428	3224.436
19	3151.630	3157.304	3168.936	3159.563	3153.872
20	3093.066	3097.016	3103.560	3097.753	3084.664
21	3036.880	3037.365	3041.214	3037.917	3022.603
22	2985.429	2979.538	2982.149	2979.856	2969.998
23	2935.988	2926.314	2929.293	2925.209	2918.681
24	2888.889	2879.650	2881.977	2872.520	2867.365
25	2844.670	2833.740	2832.903	2820.987	2812.400
26	2796.165	2787.412	2780.332	2765.854	2754.339
27	2741.468	2730.104	2717.651	2701.583	2688.143
28	2671.657	2658.552	2638.769	2617.362	2610.550
29	2581.092	2565.527	2538.848	2512.738	2507.064
30	2463.196	2443.630	2414.725	2384.531	2375.911
31	2315.055	2294.301	2263.822	2233.913	2222.967
32	2141.021	2123.230	2097.254	2070.926	2064.834
33	1945.949	1933.798	1918.149	1900.993	1906.667
34	1743.195	1737.806	1736.015	1733.303	1746.308
35	1546.801	1546.868	1556.877	1569.179	1586.619
36	1368.265	1372.533	1392.434	1413.238	1432.268
37	1211.873	1219.756	1244.812	1269.817	1288.379
38	1084.218	1094.612	1120.438	1144.790	1160.389
39	988.683	999.913	1022.626	1042.459	1055.129
40	920.060	929.383	947.124	961.100	971.661
41	871.907	878.887	891.155	899.674	907.323
42	838.065	841.462	849.446	854.249	858.132
43	811.118	812.340	817.344	819.336	819.403
44	787.066	787.368	790.179	790.129	788.271
45	764.789	764.387	765.726	764.438	762.295
46	742.144	741.608	742.395	740.437	737.909
47	718.795	718.260	718.310	716.469	713.925
48	694.911	694.242	693.941	691.999	689.472
49	670.191	669.220	669.404	667.077	664.667
50	644.482	643.729	643.796	641.637	639.260
51	618.473	618.004	617.920	615.795	613.736
52	592.179	591.894	591.861	589.886	587.777

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L50-940-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	566.320	565.851	565.834	564.027	561.834
54	540.511	539.942	539.691	537.649	535.406
55	514.300	513.330	513.212	510.786	508.693
56	486.115	485.479	485.295	482.851	480.793
57	458.181	457.193	456.858	454.415	452.390
58	430.380	429.309	428.857	426.464	424.857
59	402.680	401.676	401.174	398.797	397.274
60	375.783	374.712	374.294	371.951	370.478
61	349.456	348.368	348.201	345.874	344.652
62	324.116	323.011	322.760	320.718	319.546
63	299.311	298.407	298.140	296.349	295.244
64	275.193	274.523	274.339	272.733	271.812
65	252.380	251.761	251.711	250.271	249.702
66	230.053	229.768	229.785	228.396	227.877
67	209.064	208.813	208.629	207.508	207.156
68	188.929	188.628	188.595	187.641	187.423
69	169.498	169.297	169.313	168.510	168.544
70	151.271	151.170	151.036	150.451	150.501
71	133.981	133.964	133.747	133.395	133.462
72	117.813	117.830	117.729	117.344	117.662
73	102.649	102.632	102.599	102.298	102.582
74	88.607	88.540	88.607	88.423	88.657
75	75.585	75.568	75.635	75.535	75.686
76	63.484	63.451	63.568	63.484	63.652
77	52.421	52.404	52.638	52.505	52.689
78	42.328	42.295	42.579	42.529	42.713
79	33.324	33.290	33.558	33.675	33.742
80	25.340	25.374	25.658	25.775	25.825
81	18.377	18.444	18.662	18.863	18.913
82	12.118	12.218	12.469	12.653	12.787
83	8.302	8.385	8.804	9.038	9.139
84	7.699	7.699	7.716	7.733	7.666
85	7.130	7.130	7.130	7.130	7.063
86	6.394	6.394	6.377	6.360	6.310
87	5.373	5.389	5.373	5.373	5.306
88	4.101	4.084	4.067	4.067	4.017
89	2.494	2.494	2.477	2.494	2.444
90	1.004	1.088	1.289	1.389	1.389
91	0.904	0.921	0.921	0.937	0.904
92	0.971	0.971	0.971	0.971	0.954
93	1.021	1.021	1.038	1.021	1.004
94	1.088	1.088	1.088	1.088	1.088
95	1.155	1.155	1.172	1.172	1.155
96	1.222	1.239	1.239	1.239	1.222
97	1.306	1.306	1.322	1.322	1.306
98	1.406	1.389	1.389	1.406	1.406
99	1.523	1.490	1.490	1.506	1.473
100	1.557	1.573	1.573	1.590	1.557
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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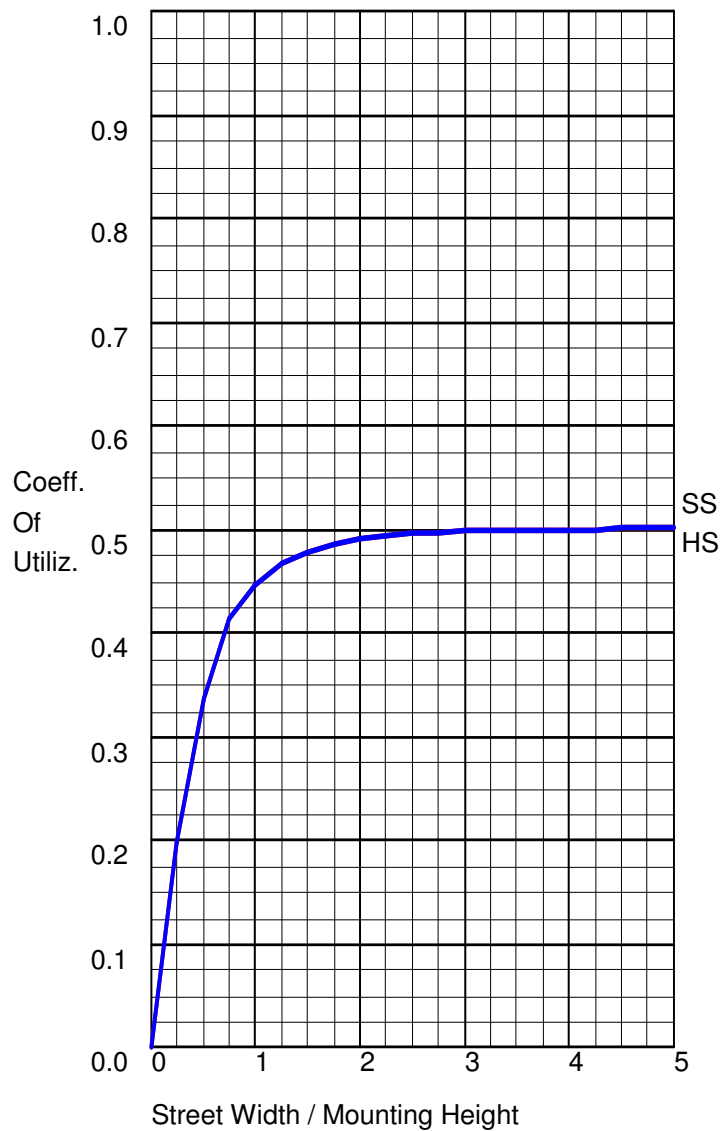
CANDELA TABULATION - (Cont.)

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-L50-940-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

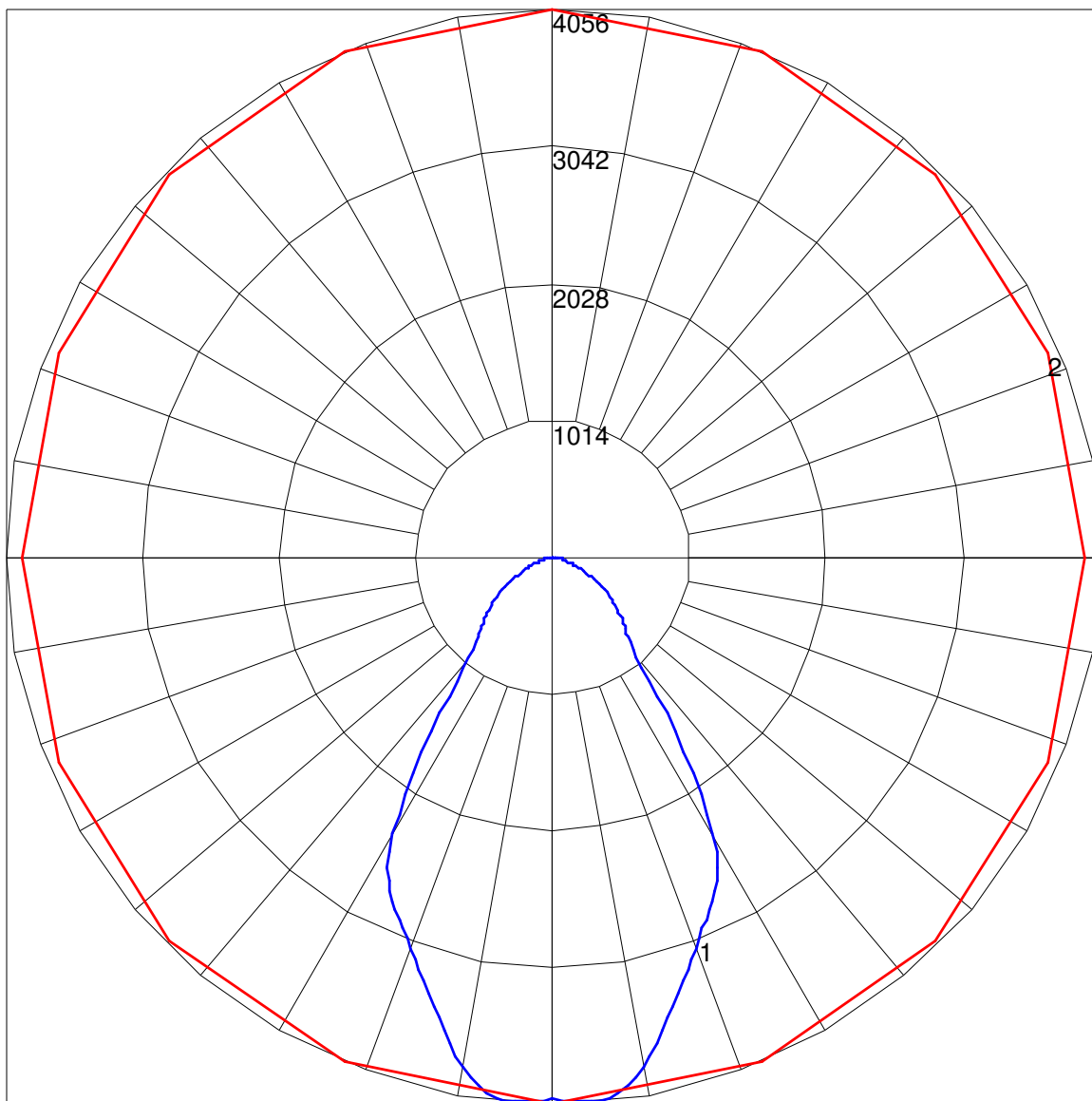
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

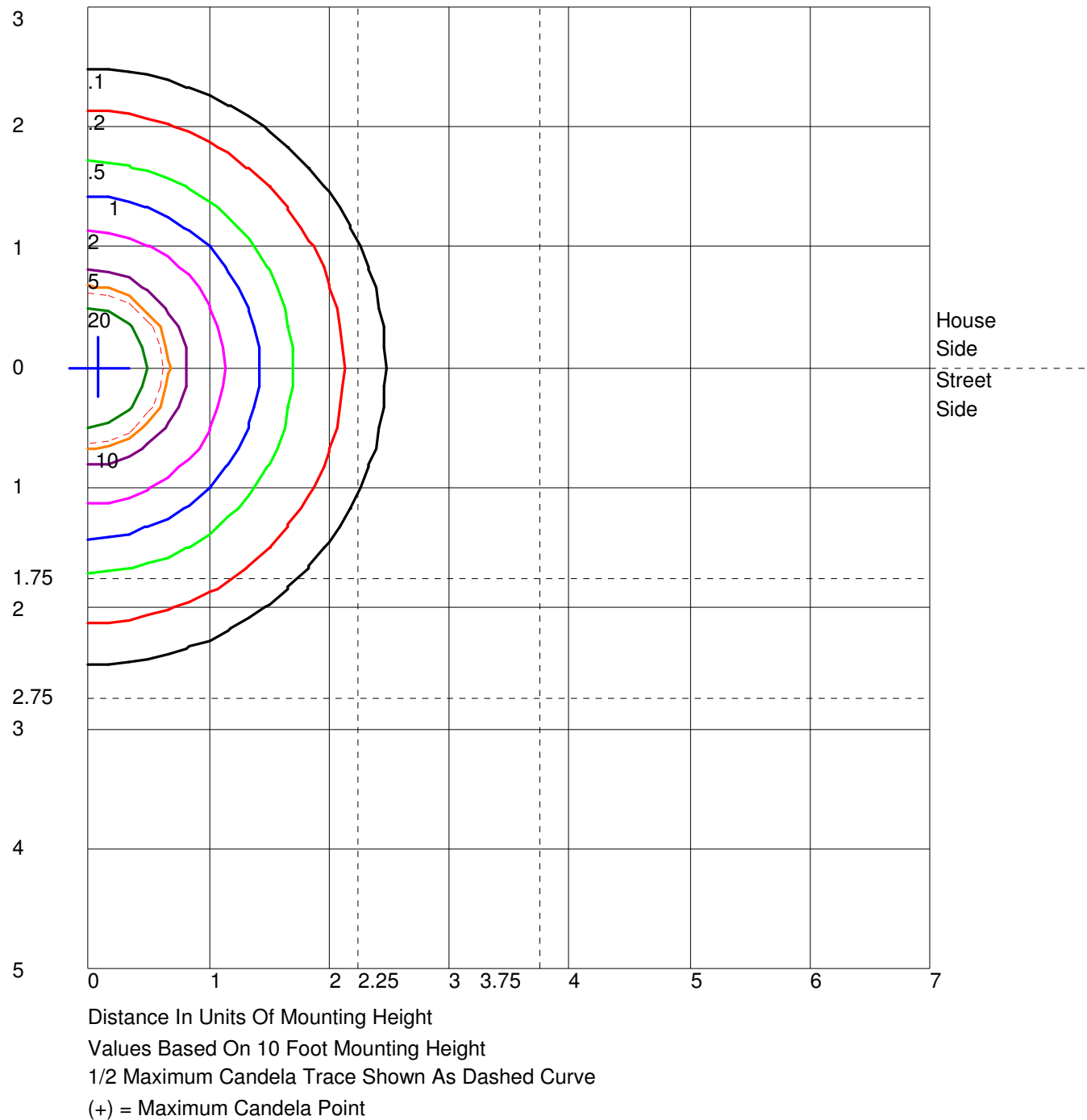
	Lumens	Percent Of Luminaire
Downward Street Side	2507.9	50.0
Downward House Side	2507.9	50.0
Downward Total	5015.8	100.0
Upward Street Side	0.7	0.0
Upward House Side	0.7	0.0
Upward Total	1.4	0.0
Total Flux	5017.2	100.0

POLAR GRAPH

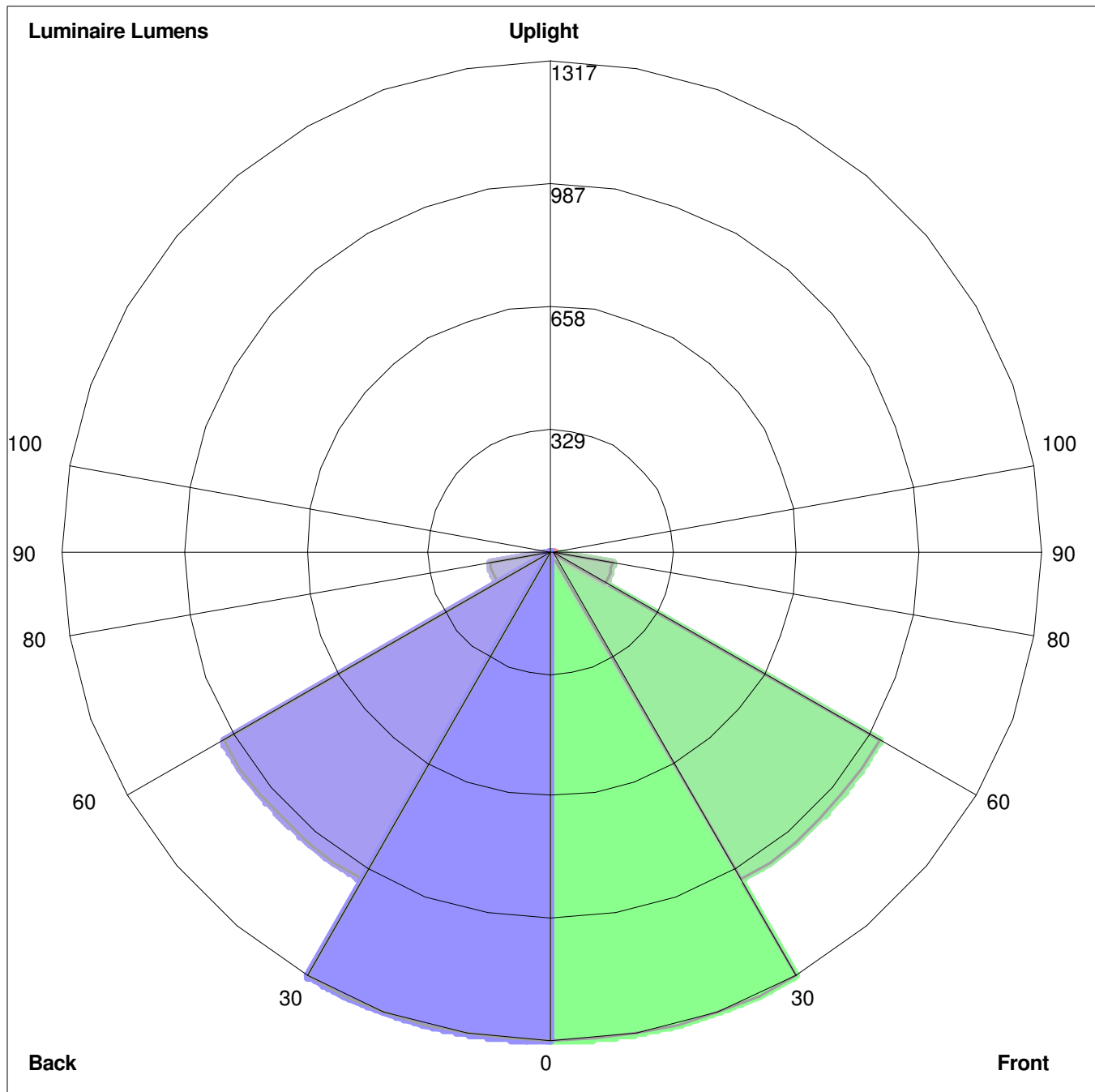


Maximum Candela = 4055.756 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1316.6, Medium=1018.9, High=167.7, Very High=4.7  
Back: Low=1316.6, Medium=1018.9, High=167.7, Very High=4.7  
Uplight: Low=1.3, High=0.1

BUG Rating : B3-U1-G0