

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-827-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-L50-827-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	5069
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4097.568
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	4097.568
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.404 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	26.092 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-827-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1330.1	N.A.	26.2
FM - Front-Medium (30-60)	1029.4	N.A.	20.3
FH - Front-High (60-80)	169.5	N.A.	3.3
FVH - Front-Very High (80-90)	4.7	N.A.	0.1
BL - Back-Low (0-30)	1330.1	N.A.	26.2
BM - Back-Medium (30-60)	1029.4	N.A.	20.3
BH - Back-High (60-80)	169.5	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	5068.8	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	4061.956	4061.956	4061.956	4061.956	4061.956
1	4065.829	4066.674	4072.034	4071.679	4069.785
2	4054.347	4059.014	4070.935	4076.110	4073.928
3	4036.828	4045.740	4071.629	4085.275	4084.751
4	4013.831	4029.777	4071.172	4096.452	4096.368
5	3982.937	4008.792	4064.662	4097.281	4097.568
6	3949.202	3980.637	4047.651	4084.598	4083.685
7	3908.805	3945.550	4016.740	4054.939	4052.081
8	3864.484	3902.345	3974.245	4012.512	4005.258
9	3813.738	3852.326	3921.859	3958.249	3949.743
10	3758.815	3797.826	3860.578	3894.668	3887.380
11	3701.948	3736.917	3789.557	3820.874	3815.412
12	3642.476	3670.986	3715.898	3740.891	3733.282
13	3582.920	3601.876	3640.447	3661.483	3646.247
14	3517.953	3533.104	3564.117	3579.149	3559.720
15	3451.210	3463.910	3487.888	3497.949	3479.399
16	3382.337	3392.855	3412.521	3418.050	3402.527
17	3311.857	3324.167	3340.096	3337.712	3328.175
18	3247.482	3256.833	3271.392	3263.732	3257.678
19	3184.121	3189.853	3201.606	3192.136	3186.387
20	3124.954	3128.944	3135.556	3129.688	3116.465
21	3068.188	3068.678	3072.567	3069.236	3053.764
22	3016.207	3010.255	3012.893	3010.576	3000.616
23	2966.256	2956.482	2959.492	2955.366	2948.771
24	2918.672	2909.338	2911.688	2902.134	2896.926
25	2873.996	2862.954	2862.109	2850.069	2841.394
26	2824.992	2816.148	2808.995	2794.368	2782.734
27	2769.731	2758.249	2745.668	2729.435	2715.856
28	2699.200	2685.960	2665.973	2644.345	2637.463
29	2607.702	2591.976	2565.022	2538.642	2532.910
30	2488.590	2468.822	2439.619	2409.114	2400.405
31	2338.921	2317.953	2287.161	2256.943	2245.884
32	2163.094	2145.119	2118.875	2092.276	2086.121
33	1966.011	1953.734	1937.924	1920.591	1926.324
34	1761.166	1755.721	1753.912	1751.173	1764.312
35	1562.747	1562.815	1572.927	1585.356	1602.976
36	1382.371	1386.683	1406.789	1427.808	1447.034
37	1224.367	1232.331	1257.645	1282.908	1301.661
38	1095.396	1105.897	1131.989	1156.592	1172.352
39	998.875	1010.222	1033.168	1053.206	1066.007
40	929.545	938.964	956.888	971.008	981.678
41	880.896	887.947	900.342	908.949	916.677
42	846.704	850.137	858.203	863.056	866.979
43	819.480	820.714	825.770	827.783	827.850
44	795.181	795.485	798.326	798.275	796.398
45	772.674	772.268	773.621	772.319	770.154
46	749.795	749.254	750.048	748.070	745.517
47	726.206	725.665	725.715	723.855	721.285
48	702.075	701.399	701.095	699.133	696.580
49	677.100	676.119	676.305	673.955	671.520
50	651.126	650.366	650.433	648.252	645.851
51	624.849	624.375	624.291	622.143	620.063
52	598.284	597.996	597.962	595.967	593.836

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-827-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	572.158	571.684	571.668	569.841	567.626
54	546.083	545.508	545.255	543.192	540.926
55	519.602	518.622	518.503	516.051	513.938
56	491.126	490.484	490.298	487.829	485.749
57	462.904	461.906	461.568	459.099	457.053
58	434.817	433.735	433.278	430.860	429.237
59	406.831	405.817	405.310	402.908	401.370
60	379.657	378.575	378.153	375.785	374.297
61	353.058	351.959	351.790	349.440	348.205
62	327.457	326.341	326.087	324.024	322.841
63	302.397	301.484	301.213	299.404	298.288
64	278.030	277.354	277.168	275.544	274.614
65	254.982	254.356	254.306	252.851	252.276
66	232.424	232.137	232.154	230.750	230.226
67	211.220	210.966	210.780	209.647	209.292
68	190.877	190.573	190.539	189.575	189.355
69	171.245	171.042	171.059	170.247	170.281
70	152.830	152.729	152.593	152.002	152.052
71	135.362	135.346	135.126	134.771	134.838
72	119.028	119.045	118.943	118.554	118.875
73	103.707	103.691	103.657	103.352	103.640
74	89.520	89.453	89.520	89.334	89.571
75	76.364	76.347	76.415	76.314	76.466
76	64.139	64.105	64.223	64.139	64.308
77	52.961	52.944	53.181	53.046	53.232
78	42.765	42.731	43.018	42.968	43.154
79	33.667	33.633	33.904	34.022	34.090
80	25.601	25.635	25.923	26.041	26.092
81	18.567	18.635	18.854	19.057	19.108
82	12.243	12.344	12.598	12.784	12.919
83	8.387	8.472	8.895	9.131	9.233
84	7.778	7.778	7.795	7.812	7.745
85	7.204	7.204	7.204	7.204	7.136
86	6.460	6.460	6.443	6.426	6.375
87	5.428	5.445	5.428	5.428	5.360
88	4.143	4.126	4.109	4.109	4.058
89	2.520	2.520	2.503	2.520	2.469
90	1.015	1.099	1.302	1.404	1.404
91	0.913	0.930	0.930	0.947	0.913
92	0.981	0.981	0.981	0.981	0.964
93	1.031	1.031	1.048	1.031	1.015
94	1.099	1.099	1.099	1.099	1.099
95	1.167	1.167	1.184	1.184	1.167
96	1.234	1.251	1.251	1.251	1.234
97	1.319	1.319	1.336	1.336	1.319
98	1.420	1.404	1.404	1.420	1.420
99	1.539	1.505	1.505	1.522	1.488
100	1.573	1.590	1.590	1.606	1.573
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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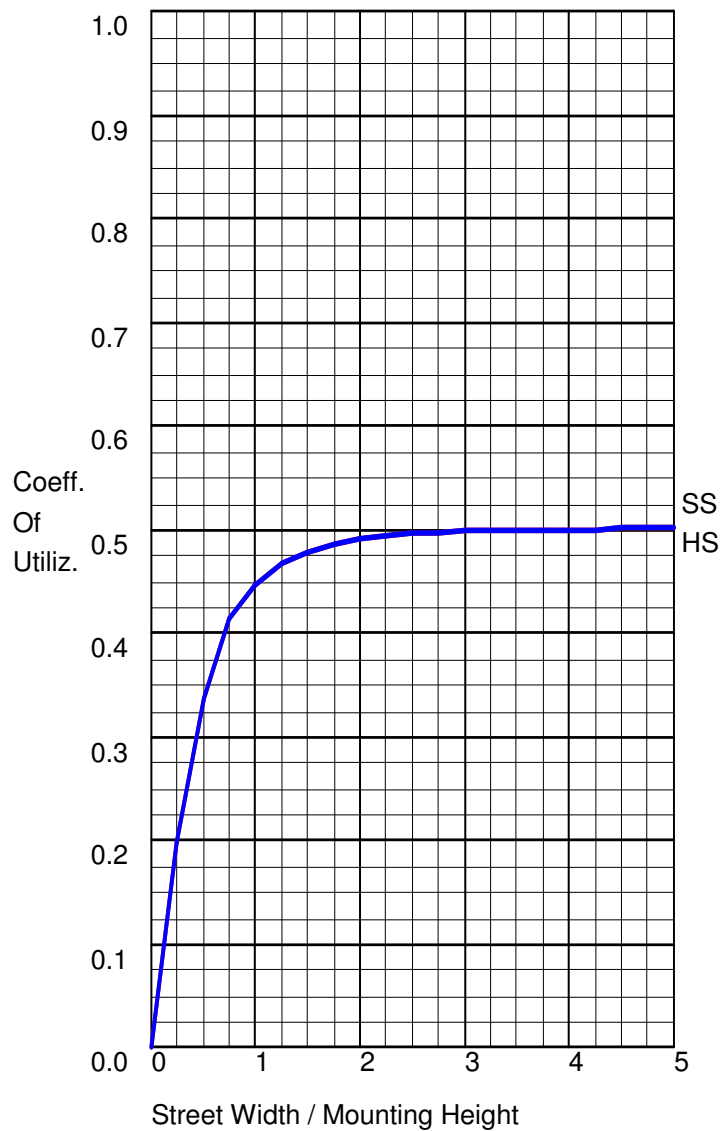
CANDELA TABULATION - (Cont.)

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-L50-827-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

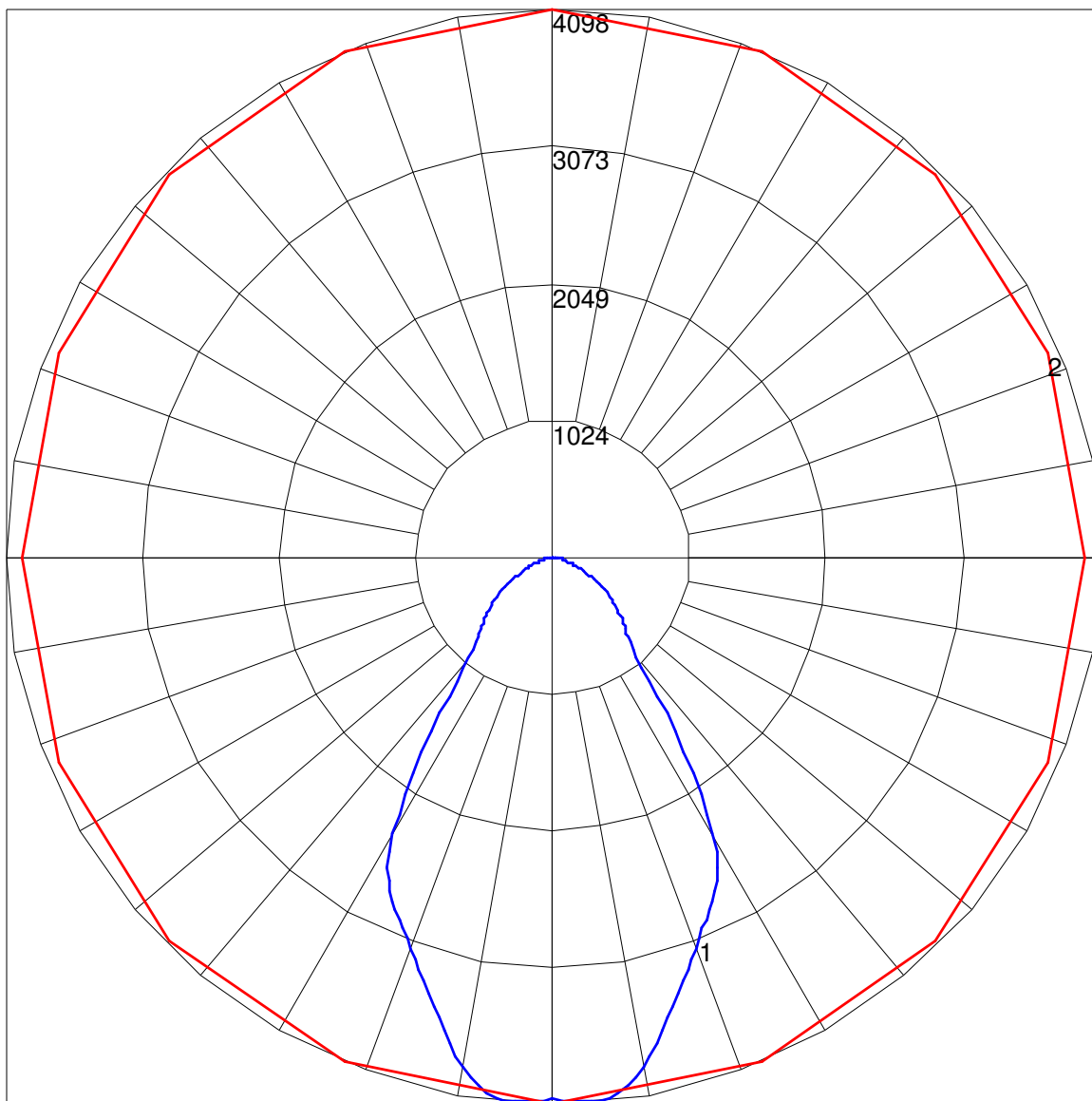
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

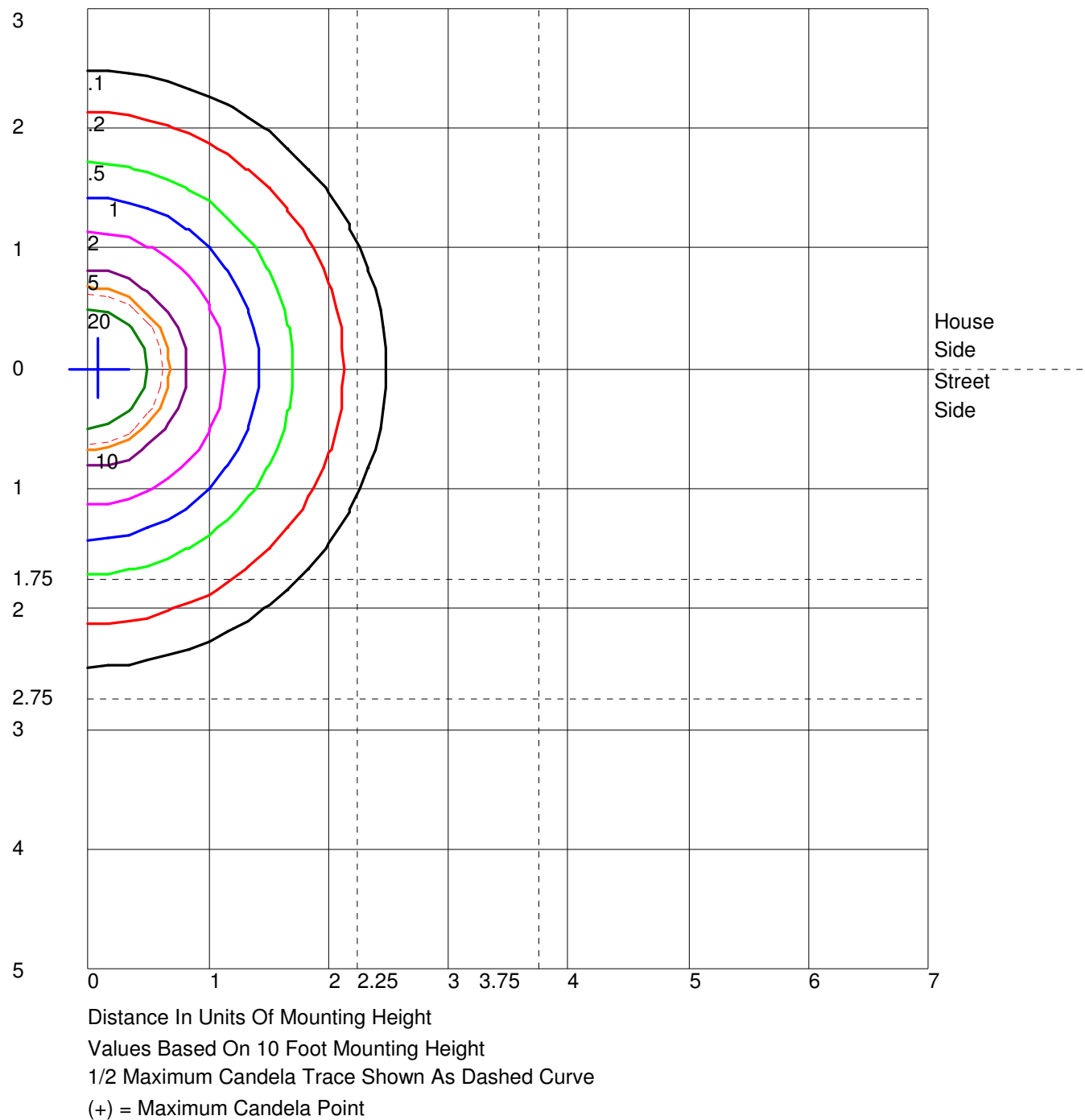
	Lumens	Percent Of Luminaire
Downward Street Side	2533.7	50.0
Downward House Side	2533.7	50.0
Downward Total	5067.6	100.0
Upward Street Side	0.7	0.0
Upward House Side	0.7	0.0
Upward Total	1.4	0.0
Total Flux	5069.0	100.0

POLAR GRAPH

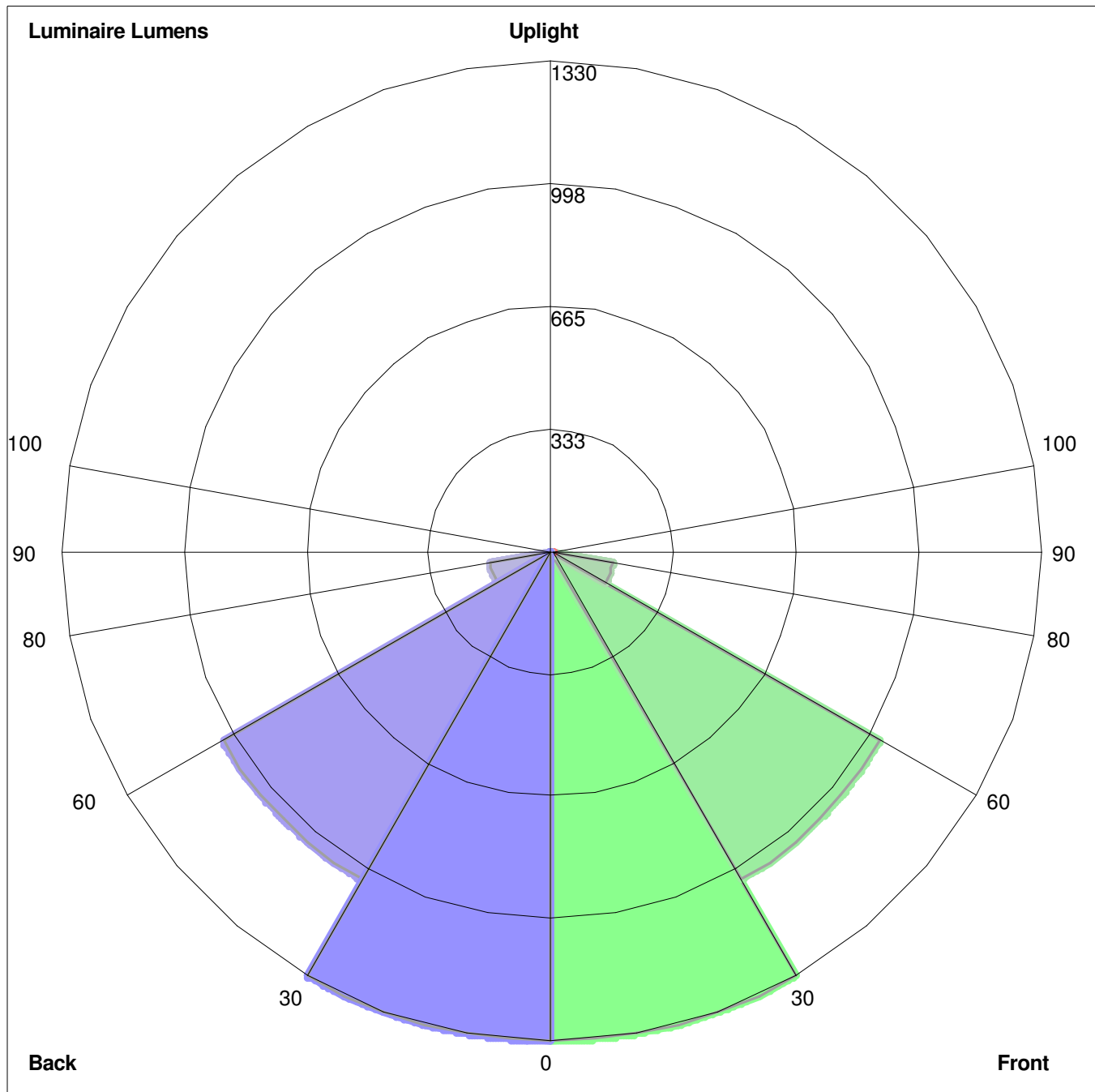


Maximum Candela = 4097.568 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1330.1, Medium=1029.4, High=169.5, Very High=4.7
Back: Low=1330.1, Medium=1029.4, High=169.5, Very High=4.7
Uplight: Low=1.3, High=0.1

BUG Rating : B3-U1-G0