

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-927-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-L50-927-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	4810
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3888.509
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	3888.509
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.332 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	24.761 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-927-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1262.3	N.A.	26.2
FM - Front-Medium (30-60)	976.9	N.A.	20.3
FH - Front-High (60-80)	160.8	N.A.	3.3
FVH - Front-Very High (80-90)	4.5	N.A.	0.1
BL - Back-Low (0-30)	1262.3	N.A.	26.2
BM - Back-Medium (30-60)	976.9	N.A.	20.3
BH - Back-High (60-80)	160.8	N.A.	3.3
BVH - Back-Very High (80-90)	4.5	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	4810.4	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	3854.714	3854.714	3854.714	3854.714	3854.714
1	3858.389	3859.191	3864.278	3863.941	3862.144
2	3847.493	3851.922	3863.235	3868.145	3866.075
3	3830.868	3839.325	3863.893	3876.843	3876.345
4	3809.044	3824.177	3863.460	3887.450	3887.370
5	3779.726	3804.262	3857.282	3888.236	3888.509
6	3747.713	3777.544	3841.138	3876.201	3875.334
7	3709.376	3744.246	3811.804	3848.054	3845.343
8	3667.317	3703.246	3771.478	3807.793	3800.908
9	3619.160	3655.779	3721.765	3756.298	3748.226
10	3567.039	3604.060	3663.610	3695.961	3689.045
11	3513.073	3546.259	3596.213	3625.932	3620.749
12	3456.636	3483.691	3526.312	3550.030	3542.808
13	3400.119	3418.107	3454.710	3474.673	3460.215
14	3338.466	3352.844	3382.274	3396.540	3378.102
15	3275.128	3287.180	3309.934	3319.482	3301.879
16	3209.769	3219.750	3238.413	3243.660	3228.929
17	3142.885	3154.567	3169.684	3167.421	3158.370
18	3081.794	3090.668	3104.485	3097.215	3091.471
19	3021.666	3027.106	3038.259	3029.272	3023.816
20	2965.518	2969.305	2975.579	2970.011	2957.462
21	2911.648	2912.113	2915.804	2912.643	2897.960
22	2862.319	2856.671	2859.174	2856.976	2847.524
23	2814.917	2805.641	2808.498	2804.582	2798.324
24	2769.760	2760.902	2763.133	2754.066	2749.124
25	2727.364	2716.885	2716.083	2704.658	2696.425
26	2680.860	2672.467	2665.679	2651.799	2640.758
27	2628.418	2617.522	2605.583	2590.178	2577.293
28	2561.486	2548.921	2529.954	2509.430	2502.899
29	2474.656	2459.732	2434.153	2409.120	2403.680
30	2361.621	2342.862	2315.149	2286.200	2277.936
31	2219.589	2199.691	2170.469	2141.793	2131.298
32	2052.732	2035.674	2010.769	1985.527	1979.686
33	1865.704	1854.054	1839.050	1822.602	1828.042
34	1671.311	1666.144	1664.427	1661.827	1674.296
35	1483.016	1483.080	1492.676	1504.470	1521.191
36	1311.842	1315.934	1335.014	1354.961	1373.206
37	1161.899	1169.457	1193.480	1217.454	1235.250
38	1039.509	1049.474	1074.234	1097.583	1112.538
39	947.912	958.680	980.456	999.471	1011.619
40	882.120	891.058	908.068	921.467	931.593
41	835.952	842.644	854.406	862.574	869.908
42	803.505	806.763	814.417	819.023	822.746
43	777.670	778.841	783.639	785.549	785.613
44	754.610	754.899	757.595	757.547	755.766
45	733.252	732.866	734.150	732.915	730.861
46	711.540	711.027	711.781	709.903	707.480
47	689.154	688.641	688.689	686.924	684.485
48	666.255	665.614	665.325	663.463	661.040
49	642.554	641.623	641.800	639.569	637.258
50	617.906	617.184	617.248	615.178	612.899
51	592.969	592.519	592.439	590.401	588.427
52	567.759	567.486	567.454	565.560	563.539

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CANDELA TABULATION - (Cont.)

53	542.966	542.517	542.501	540.768	538.666
54	518.222	517.676	517.436	515.478	513.327
55	493.092	492.161	492.049	489.722	487.716
56	466.069	465.459	465.283	462.940	460.966
57	439.287	438.340	438.019	435.676	433.734
58	412.633	411.606	411.172	408.878	407.337
59	386.075	385.112	384.631	382.352	380.892
60	360.287	359.260	358.859	356.612	355.200
61	335.045	334.002	333.842	331.611	330.440
62	310.750	309.691	309.450	307.493	306.369
63	286.968	286.102	285.845	284.128	283.069
64	263.845	263.203	263.026	261.486	260.603
65	241.973	241.379	241.331	239.951	239.405
66	220.566	220.293	220.309	218.977	218.480
67	200.443	200.202	200.026	198.951	198.614
68	181.139	180.850	180.818	179.903	179.694
69	162.508	162.315	162.331	161.561	161.593
70	145.033	144.937	144.808	144.246	144.295
71	128.456	128.440	128.232	127.895	127.959
72	112.955	112.971	112.875	112.506	112.810
73	98.416	98.400	98.368	98.079	98.352
74	84.953	84.889	84.953	84.776	85.001
75	72.468	72.452	72.516	72.420	72.565
76	60.866	60.834	60.947	60.866	61.027
77	50.259	50.243	50.468	50.339	50.516
78	40.583	40.551	40.824	40.775	40.952
79	31.950	31.917	32.174	32.287	32.351
80	24.295	24.327	24.600	24.712	24.761
81	17.620	17.684	17.892	18.085	18.133
82	11.618	11.714	11.955	12.132	12.260
83	7.959	8.040	8.441	8.665	8.762
84	7.382	7.382	7.398	7.414	7.350
85	6.836	6.836	6.836	6.836	6.772
86	6.130	6.130	6.114	6.098	6.050
87	5.151	5.167	5.151	5.151	5.087
88	3.932	3.915	3.899	3.899	3.851
89	2.391	2.391	2.375	2.391	2.343
90	0.963	1.043	1.236	1.332	1.332
91	0.867	0.883	0.883	0.899	0.867
92	0.931	0.931	0.931	0.931	0.915
93	0.979	0.979	0.995	0.979	0.963
94	1.043	1.043	1.043	1.043	1.043
95	1.107	1.107	1.123	1.123	1.107
96	1.171	1.187	1.187	1.187	1.171
97	1.252	1.252	1.268	1.268	1.252
98	1.348	1.332	1.332	1.348	1.348
99	1.460	1.428	1.428	1.444	1.412
100	1.492	1.508	1.508	1.524	1.492
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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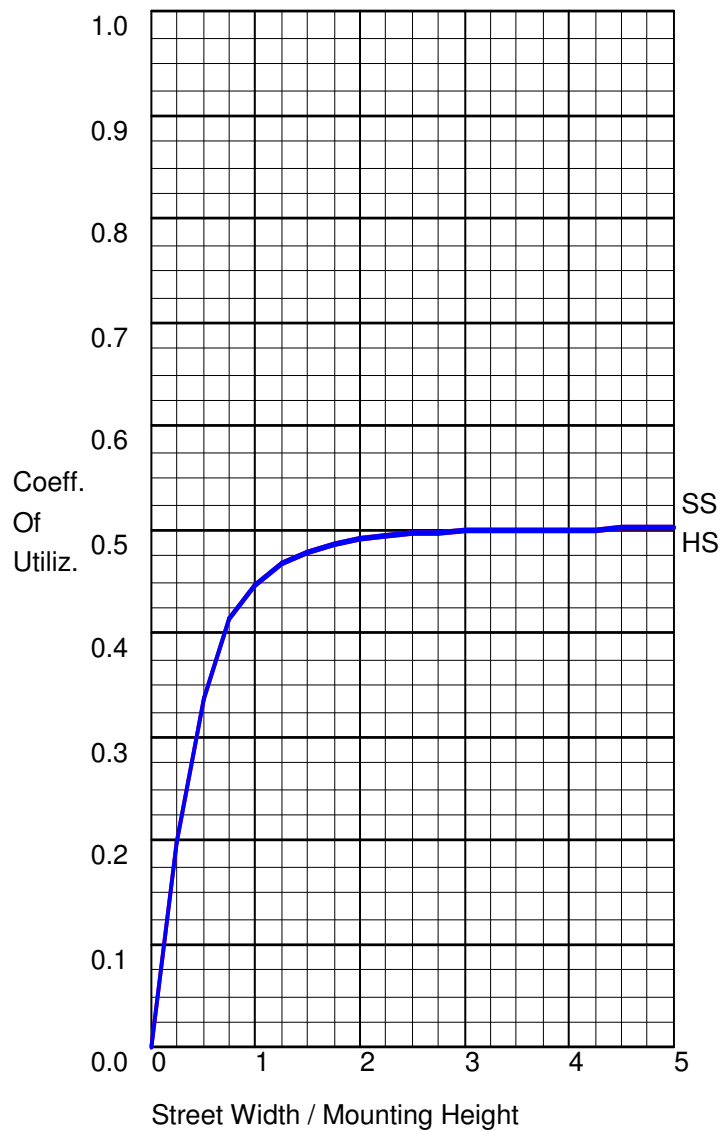
CANDELA TABULATION - (Cont.)

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-L50-927-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

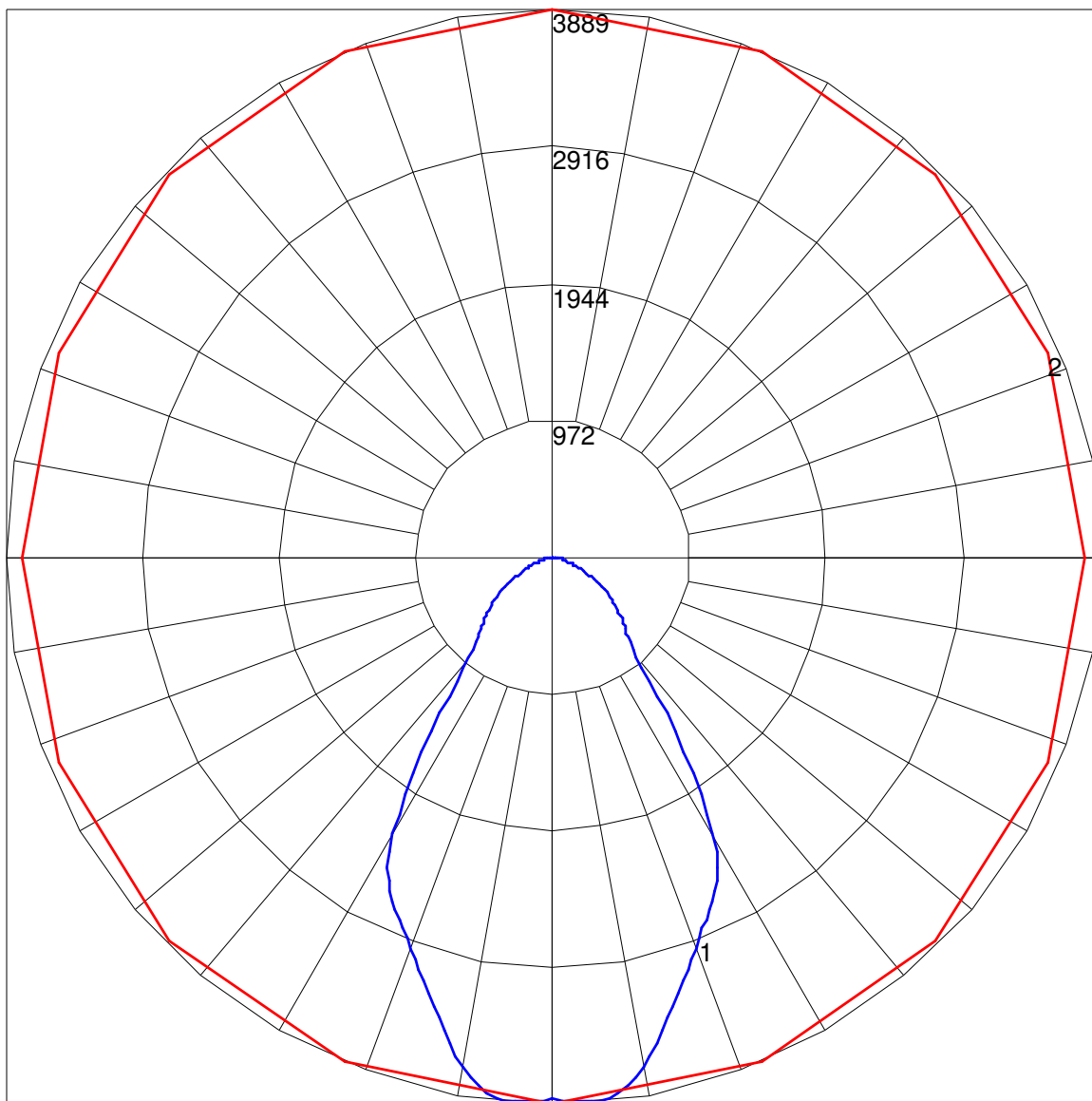
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

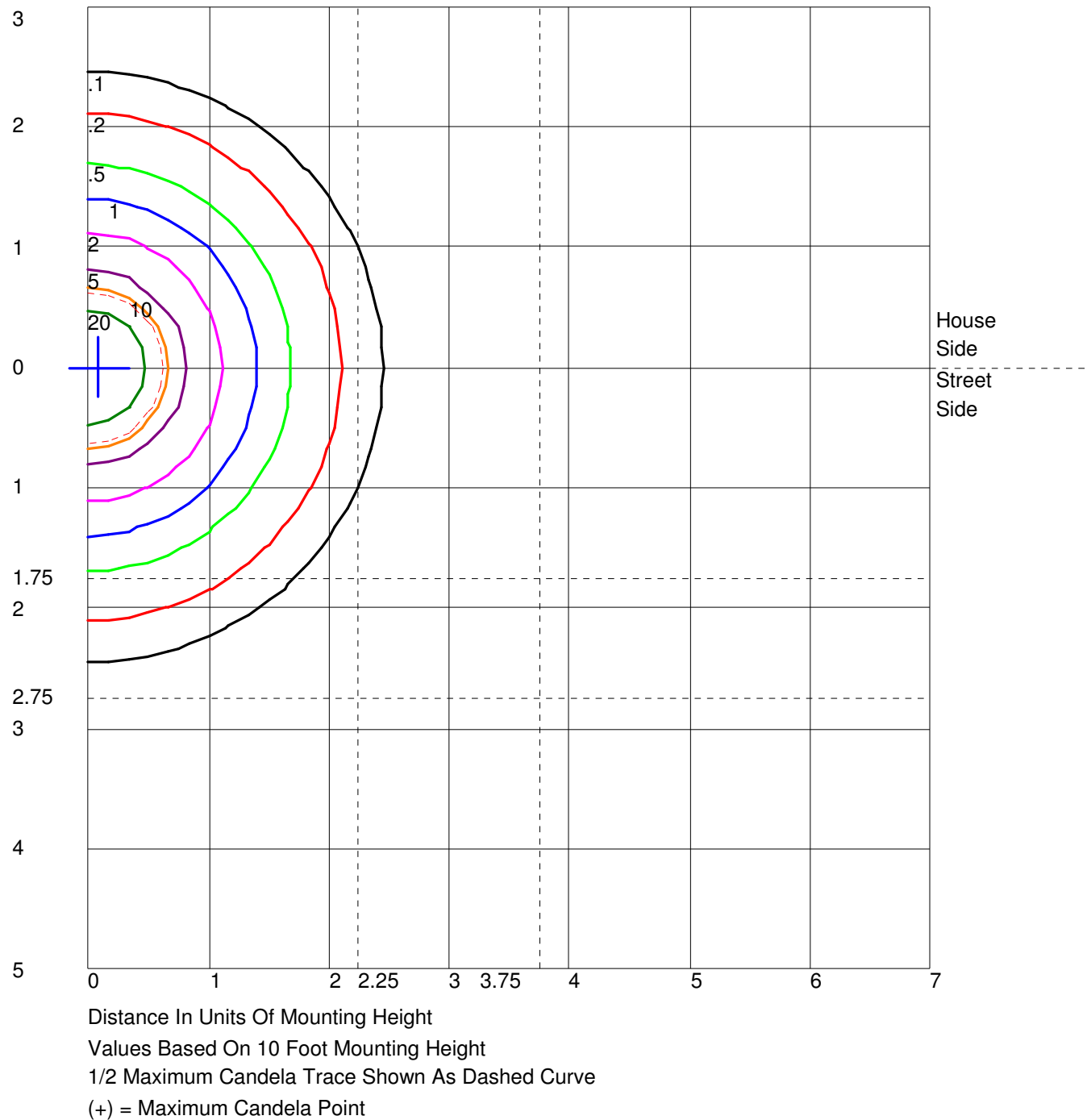
	Lumens	Percent Of Luminaire
Downward Street Side	2404.5	50.0
Downward House Side	2404.5	50.0
Downward Total	4809.0	100.0
Upward Street Side	0.7	0.0
Upward House Side	0.7	0.0
Upward Total	1.4	0.0
Total Flux	4810.4	100.0

POLAR GRAPH

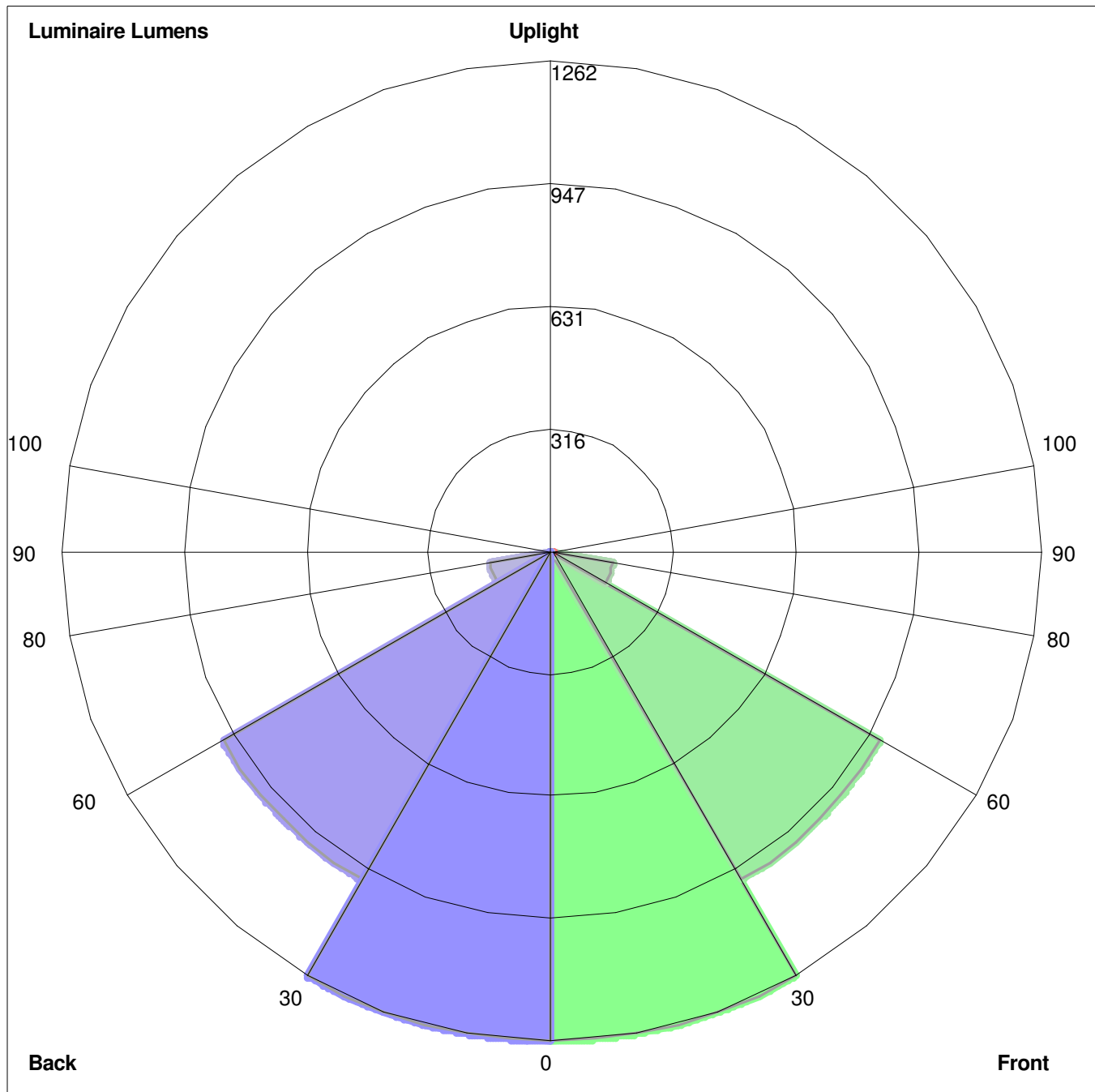


Maximum Candela = 3888.509 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1262.3, Medium=976.9, High=160.8, Very High=4.5
Back: Low=1262.3, Medium=976.9, High=160.8, Very High=4.5
Uplight: Low=1.3, High=0.1

BUG Rating : B3-U1-G0