

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-940-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-L60-940-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	6053
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4893.093
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	4893.093
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.676 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	31.157 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-940-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1588.4	N.A.	26.2
FM - Front-Medium (30-60)	1229.3	N.A.	20.3
FH - Front-High (60-80)	202.4	N.A.	3.3
FVH - Front-Very High (80-90)	5.7	N.A.	0.1
BL - Back-Low (0-30)	1588.4	N.A.	26.2
BM - Back-Medium (30-60)	1229.3	N.A.	20.3
BH - Back-High (60-80)	202.4	N.A.	3.3
BVH - Back-Very High (80-90)	5.7	N.A.	0.1
UL - Uplight-Low (90-100)	1.6	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	6053.3	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	4850.567	4850.567	4850.567	4850.567	4850.567
1	4855.191	4856.201	4862.602	4862.178	4859.916
2	4841.480	4847.053	4861.289	4867.468	4864.863
3	4820.560	4831.202	4862.117	4878.413	4877.787
4	4793.098	4812.140	4861.572	4891.760	4891.659
5	4756.206	4787.081	4853.798	4892.749	4893.093
6	4715.922	4753.460	4833.484	4877.605	4876.514
7	4667.682	4711.560	4796.572	4842.187	4838.774
8	4614.757	4659.968	4745.827	4791.523	4782.861
9	4554.158	4600.238	4683.270	4726.725	4716.568
10	4488.572	4535.157	4610.092	4650.801	4642.097
11	4420.664	4462.423	4525.283	4562.680	4556.157
12	4349.647	4383.692	4437.323	4467.168	4458.081
13	4278.528	4301.164	4347.224	4372.343	4354.150
14	4200.948	4219.040	4256.074	4274.025	4250.824
15	4121.247	4136.412	4165.045	4177.060	4154.908
16	4039.002	4051.562	4075.046	4081.649	4063.112
17	3954.839	3969.540	3988.561	3985.714	3974.325
18	3877.966	3889.132	3906.518	3897.371	3890.142
19	3802.304	3809.149	3823.183	3811.875	3805.010
20	3731.649	3736.415	3744.310	3737.303	3721.513
21	3663.863	3664.448	3669.093	3665.115	3646.638
22	3601.790	3594.682	3597.833	3595.066	3583.173
23	3542.141	3530.470	3534.064	3529.137	3521.262
24	3485.319	3474.172	3476.979	3465.570	3459.351
25	3431.970	3418.784	3417.774	3403.397	3393.038
26	3373.451	3362.891	3354.349	3336.882	3322.990
27	3307.462	3293.751	3278.727	3259.342	3243.128
28	3223.238	3207.427	3183.559	3157.733	3149.514
29	3113.975	3095.196	3063.009	3031.508	3024.663
30	2971.738	2948.133	2913.260	2876.832	2866.433
31	2793.012	2767.974	2731.203	2695.118	2681.912
32	2583.049	2561.584	2530.245	2498.482	2491.132
33	2347.703	2333.043	2314.163	2293.466	2300.311
34	2103.089	2096.587	2094.426	2091.155	2106.845
35	1866.148	1866.229	1878.304	1893.145	1914.186
36	1650.752	1655.902	1679.911	1705.010	1727.969
37	1462.072	1471.583	1501.811	1531.979	1554.373
38	1308.062	1320.602	1351.759	1381.140	1399.959
39	1192.802	1206.352	1233.753	1257.681	1272.967
40	1110.012	1121.260	1142.664	1159.525	1172.266
41	1051.918	1060.338	1075.140	1085.418	1094.646
42	1011.088	1015.187	1024.819	1030.615	1035.299
43	978.578	980.052	986.090	988.493	988.574
44	949.561	949.925	953.317	953.257	951.015
45	922.685	922.200	923.816	922.261	919.676
46	895.364	894.718	895.667	893.304	890.255
47	867.195	866.549	866.610	864.388	861.319
48	838.380	837.573	837.209	834.867	831.818
49	808.556	807.385	807.607	804.800	801.892
50	777.540	776.631	776.712	774.107	771.240
51	746.160	745.595	745.494	742.929	740.446
52	714.438	714.094	714.054	711.671	709.127

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-940-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	683.240	682.674	682.654	680.473	677.828
54	652.103	651.416	651.113	648.650	645.944
55	620.481	619.310	619.168	616.241	613.716
56	586.476	585.709	585.487	582.539	580.055
57	552.775	551.584	551.180	548.232	545.788
58	519.235	517.942	517.397	514.510	512.571
59	485.816	484.604	483.999	481.131	479.294
60	453.366	452.074	451.569	448.742	446.965
61	421.603	420.291	420.089	417.282	415.808
62	391.031	389.699	389.396	386.932	385.519
63	361.106	360.015	359.692	357.532	356.199
64	332.008	331.200	330.978	329.040	327.929
65	304.486	303.738	303.678	301.941	301.255
66	277.549	277.205	277.225	275.549	274.923
67	252.227	251.924	251.702	250.349	249.925
68	227.935	227.572	227.531	226.380	226.118
69	204.491	204.249	204.269	203.300	203.340
70	182.502	182.380	182.219	181.512	181.573
71	161.642	161.622	161.360	160.936	161.017
72	142.136	142.157	142.035	141.571	141.955
73	123.842	123.822	123.781	123.418	123.761
74	106.900	106.819	106.900	106.678	106.961
75	91.190	91.170	91.251	91.130	91.311
76	76.591	76.550	76.692	76.591	76.793
77	63.244	63.223	63.506	63.344	63.567
78	51.067	51.027	51.370	51.310	51.532
79	40.204	40.163	40.486	40.628	40.708
80	30.572	30.612	30.955	31.097	31.157
81	22.172	22.252	22.515	22.757	22.818
82	14.620	14.741	15.044	15.266	15.427
83	10.016	10.117	10.621	10.904	11.025
84	9.289	9.289	9.309	9.329	9.248
85	8.602	8.602	8.602	8.602	8.521
86	7.714	7.714	7.693	7.673	7.613
87	6.482	6.502	6.482	6.482	6.401
88	4.947	4.927	4.907	4.907	4.846
89	3.009	3.009	2.989	3.009	2.948
90	1.212	1.313	1.555	1.676	1.676
91	1.090	1.111	1.111	1.131	1.090
92	1.171	1.171	1.171	1.171	1.151
93	1.232	1.232	1.252	1.232	1.212
94	1.313	1.313	1.313	1.313	1.313
95	1.393	1.393	1.413	1.413	1.393
96	1.474	1.494	1.494	1.494	1.474
97	1.575	1.575	1.595	1.595	1.575
98	1.696	1.676	1.676	1.696	1.696
99	1.838	1.797	1.797	1.817	1.777
100	1.878	1.898	1.898	1.918	1.878
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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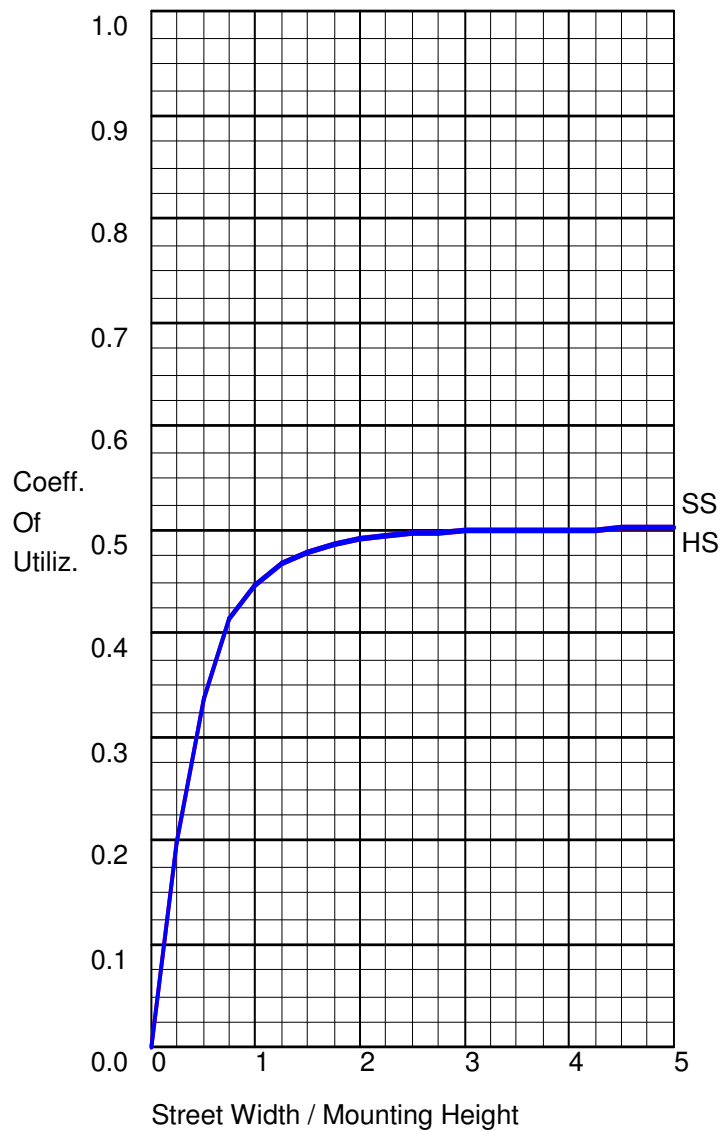
CANDELA TABULATION - (Cont.)

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-L60-940-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

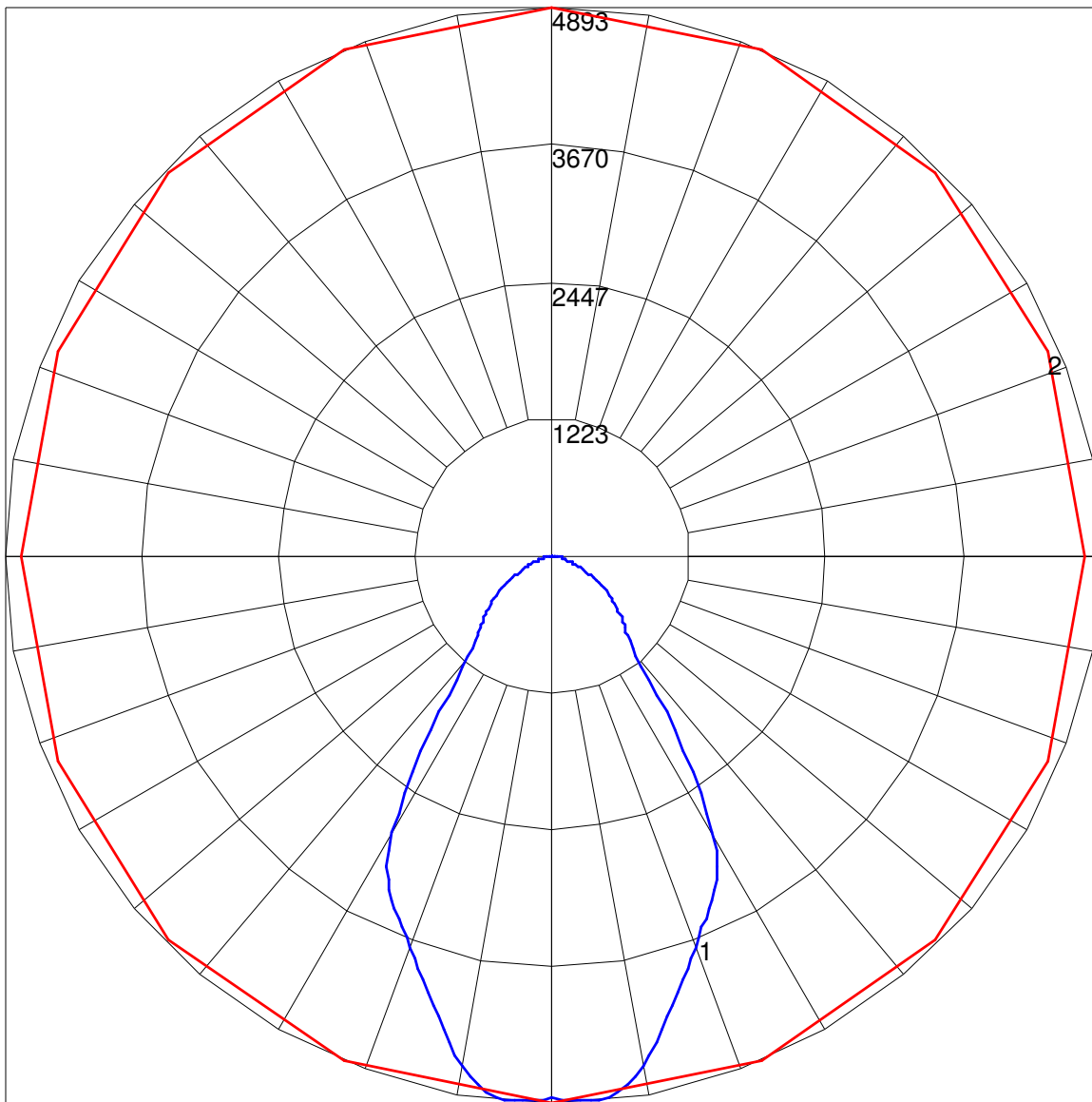
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

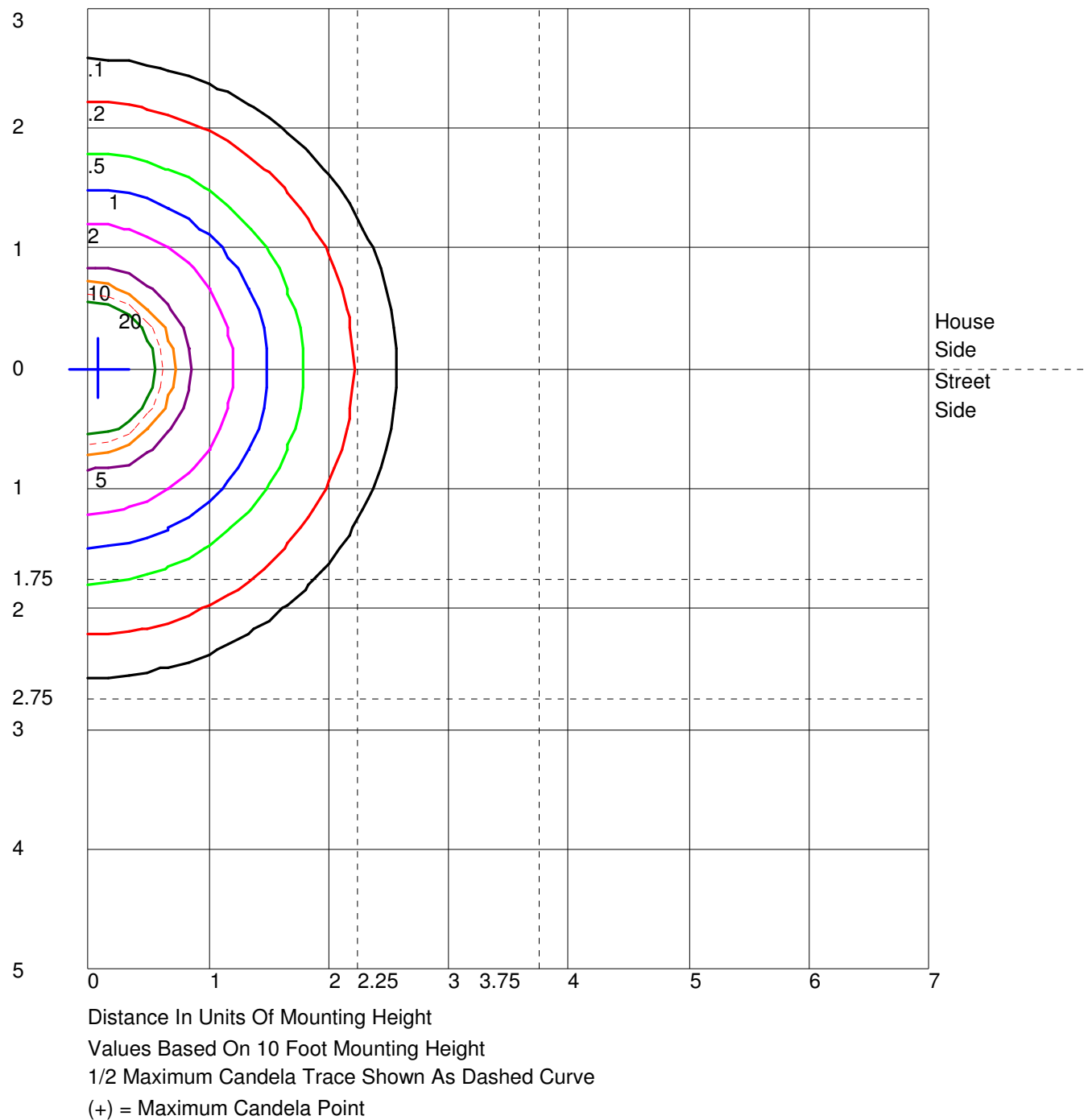
	Lumens	Percent Of Luminaire
Downward Street Side	3025.7	50.0
Downward House Side	3025.7	50.0
Downward Total	6051.4	100.0
Upward Street Side	0.8	0.0
Upward House Side	0.8	0.0
Upward Total	1.6	0.0
Total Flux	6053.0	100.0

POLAR GRAPH

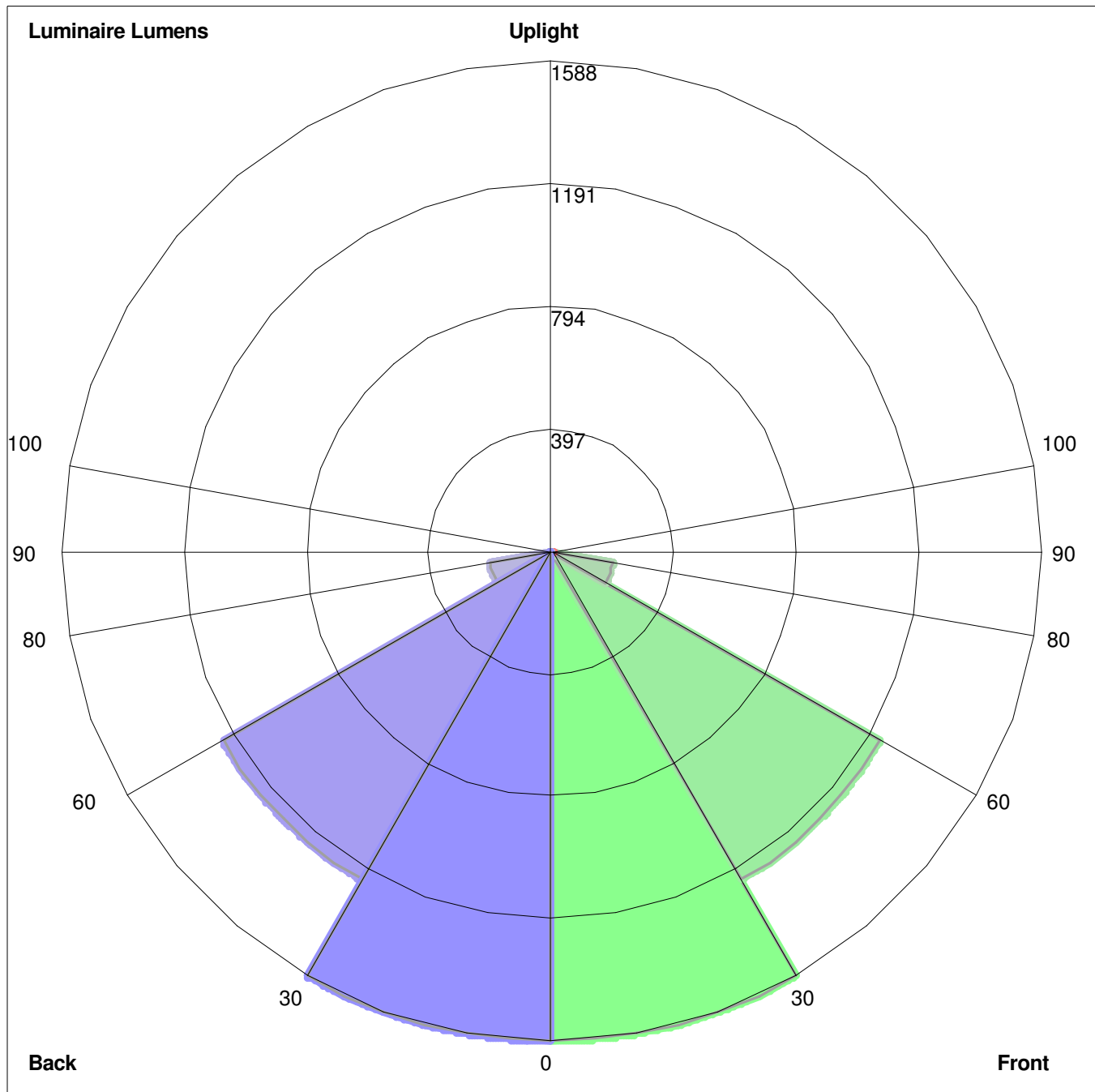


Maximum Candela = 4893.093 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1588.4, Medium=1229.3, High=202.4, Very High=5.7
Back: Low=1588.4, Medium=1229.3, High=202.4, Very High=5.7
Uplight: Low=1.6, High=0.1

BUG Rating : B3-U1-G0