

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-840-XXX-DIM-UNV-M-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-W_(V22)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L60-840-xxx-DIM-UNV-M-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH MEDIUM 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	5687
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	11432.443
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	11432.443
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.44 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.499 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-840-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2352.2	N.A.	41.4
FM - Front-Medium (30-60)	459.3	N.A.	8.1
FH - Front-High (60-80)	30.4	N.A.	0.5
FVH - Front-Very High (80-90)	1.4	N.A.	0.0
BL - Back-Low (0-30)	2352.2	N.A.	41.4
BM - Back-Medium (30-60)	459.3	N.A.	8.1
BH - Back-High (60-80)	30.4	N.A.	0.5
BVH - Back-Very High (80-90)	1.4	N.A.	0.0
UL - Uplight-Low (90-100)	0.4	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	5687.0	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	10759.624	10759.624	10759.624	10759.624	10759.624
1	10754.483	10765.282	10785.542	10807.179	10813.735
2	10701.710	10733.228	10815.436	10893.190	10919.816
3	10618.566	10689.191	10868.820	11025.724	11078.975
4	10501.476	10626.288	10922.969	11164.145	11253.386
5	10366.171	10547.788	10952.404	11263.230	11385.251
6	10206.782	10439.930	10934.762	11286.051	11432.443
7	10023.043	10290.729	10843.801	11218.829	11368.049
8	9811.532	10099.154	10675.028	11046.883	11181.118
9	9570.624	9855.780	10421.008	10772.392	10895.369
10	9289.081	9569.305	10094.834	10409.616	10528.197
11	8972.120	9234.148	9698.226	9963.810	10070.846
12	8625.953	8849.792	9247.012	9463.836	9552.371
13	8247.733	8427.171	8761.449	8934.083	8996.814
14	7829.814	7976.052	8253.639	8379.598	8422.030
15	7380.281	7504.615	7724.976	7808.808	7840.460
16	6913.546	7017.409	7186.641	7238.267	7263.191
17	6445.530	6523.857	6653.887	6679.557	6705.742
18	5975.679	6043.035	6143.267	6147.625	6165.076
19	5523.738	5572.305	5652.659	5642.242	5650.136
20	5092.114	5128.755	5186.803	5170.824	5170.174
21	4686.619	4710.014	4753.784	4738.245	4732.912
22	4321.453	4328.277	4362.567	4346.091	4345.709
23	3997.592	3994.056	4018.197	3998.949	4004.760
24	3709.741	3702.421	3719.910	3690.838	3703.950
25	3456.295	3445.171	3452.224	3422.483	3434.907
26	3227.543	3215.865	3211.239	3183.639	3181.938
27	3015.478	2998.123	2986.253	2960.010	2956.130
28	2806.967	2789.211	2764.248	2736.687	2741.350
29	2592.417	2575.807	2547.596	2515.733	2517.931
30	2376.854	2346.979	2318.328	2283.484	2288.358
31	2134.761	2109.168	2075.528	2044.774	2037.606
32	1876.555	1854.536	1826.974	1801.649	1792.570
33	1606.747	1591.437	1576.758	1561.563	1561.525
34	1338.908	1330.365	1329.925	1333.939	1344.126
35	1083.436	1082.843	1095.649	1118.108	1135.979
36	858.545	860.246	886.203	917.300	935.783
37	661.981	675.532	701.145	740.136	749.406
38	516.106	520.827	552.154	578.722	586.788
39	389.191	400.545	432.426	457.064	466.793
40	307.194	317.076	338.502	355.609	361.438
41	252.777	262.334	275.026	287.583	294.904
42	216.003	222.177	230.185	239.895	240.908
43	190.352	192.856	199.164	203.311	204.229
44	171.373	172.806	176.610	178.368	178.311
45	156.196	157.229	159.675	160.115	160.076
46	143.352	144.346	146.028	146.104	146.257
47	131.807	132.801	134.139	134.254	134.483
48	121.543	122.365	123.550	123.818	124.028
49	112.292	112.885	114.108	114.395	114.586
50	103.825	104.303	105.488	105.928	106.042
51	96.180	96.562	97.766	98.263	98.416
52	89.337	89.700	90.790	91.344	91.420

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-840-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	83.221	83.565	84.616	85.228	85.266
54	77.792	78.117	79.054	79.551	79.570
55	72.842	73.033	73.951	74.352	74.428
56	68.102	68.274	69.115	69.459	69.535
57	63.763	63.935	64.623	64.891	65.005
58	59.959	60.112	60.705	60.877	60.972
59	56.481	56.595	57.092	57.207	57.264
60	53.346	53.384	53.824	53.881	53.919
61	50.479	50.460	50.823	50.842	50.823
62	47.784	47.746	48.052	48.033	47.975
63	45.261	45.223	45.471	45.414	45.337
64	42.891	42.795	43.025	42.929	42.834
65	40.597	40.502	40.674	40.540	40.425
66	38.304	38.246	38.342	38.227	38.093
67	36.125	36.067	36.106	35.972	35.876
68	34.003	33.927	33.965	33.774	33.659
69	31.901	31.805	31.805	31.576	31.480
70	29.779	29.664	29.645	29.454	29.301
71	27.715	27.581	27.524	27.332	27.199
72	25.650	25.478	25.421	25.230	25.096
73	23.548	23.395	23.338	23.147	22.994
74	21.465	21.350	21.273	21.082	20.987
75	19.439	19.343	19.247	19.094	19.018
76	17.432	17.355	17.240	17.126	17.088
77	15.444	15.406	15.329	15.214	15.176
78	13.475	13.418	13.399	13.322	13.322
79	11.487	11.468	11.468	11.449	11.430
80	9.461	9.461	9.480	9.499	9.480
81	7.225	7.244	7.206	7.206	7.168
82	4.167	4.129	4.262	4.262	4.320
83	1.816	1.835	2.141	2.313	2.447
84	1.682	1.682	1.682	1.682	1.663
85	1.548	1.548	1.548	1.529	1.510
86	1.395	1.376	1.376	1.357	1.357
87	1.166	1.166	1.166	1.147	1.147
88	0.917	0.917	0.917	0.917	0.898
89	0.631	0.631	0.631	0.612	0.612
90	0.363	0.401	0.420	0.440	0.420
91	0.363	0.363	0.363	0.363	0.344
92	0.382	0.382	0.382	0.363	0.363
93	0.382	0.382	0.382	0.363	0.363
94	0.382	0.382	0.382	0.382	0.363
95	0.401	0.382	0.401	0.382	0.363
96	0.401	0.401	0.401	0.382	0.401
97	0.420	0.401	0.401	0.382	0.401
98	0.440	0.401	0.420	0.382	0.401
99	0.440	0.401	0.420	0.401	0.401
100	0.440	0.420	0.420	0.401	0.401
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

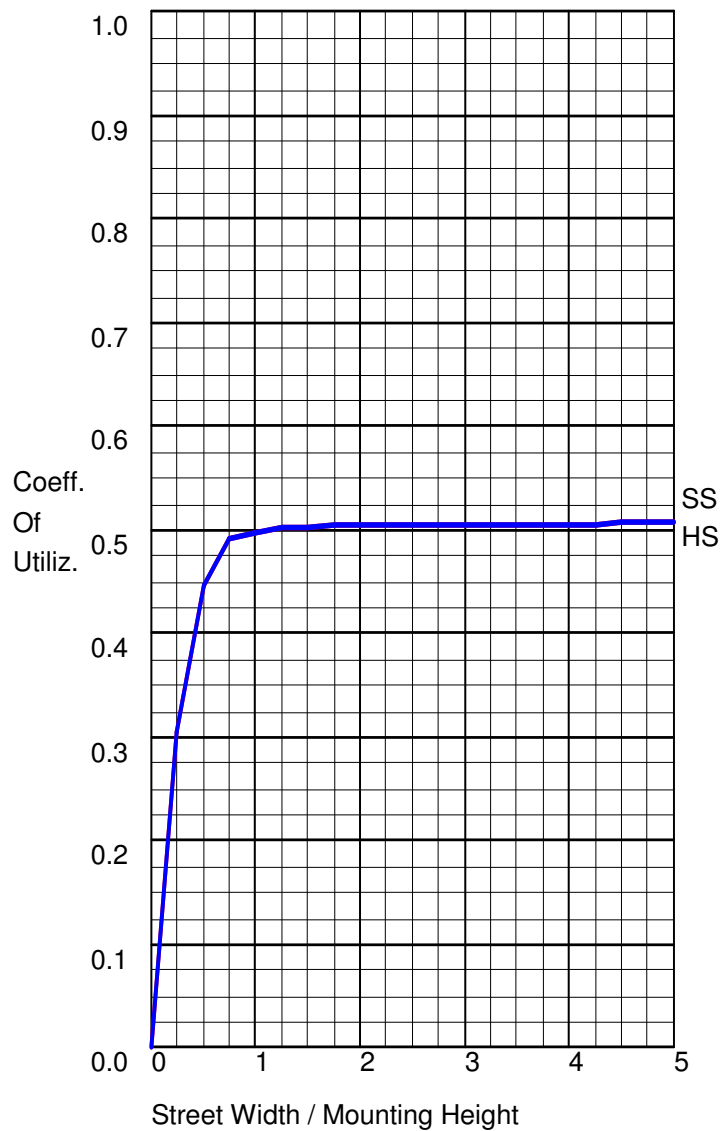
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-840-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L60-840-XXX-DIM-UNV-M-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

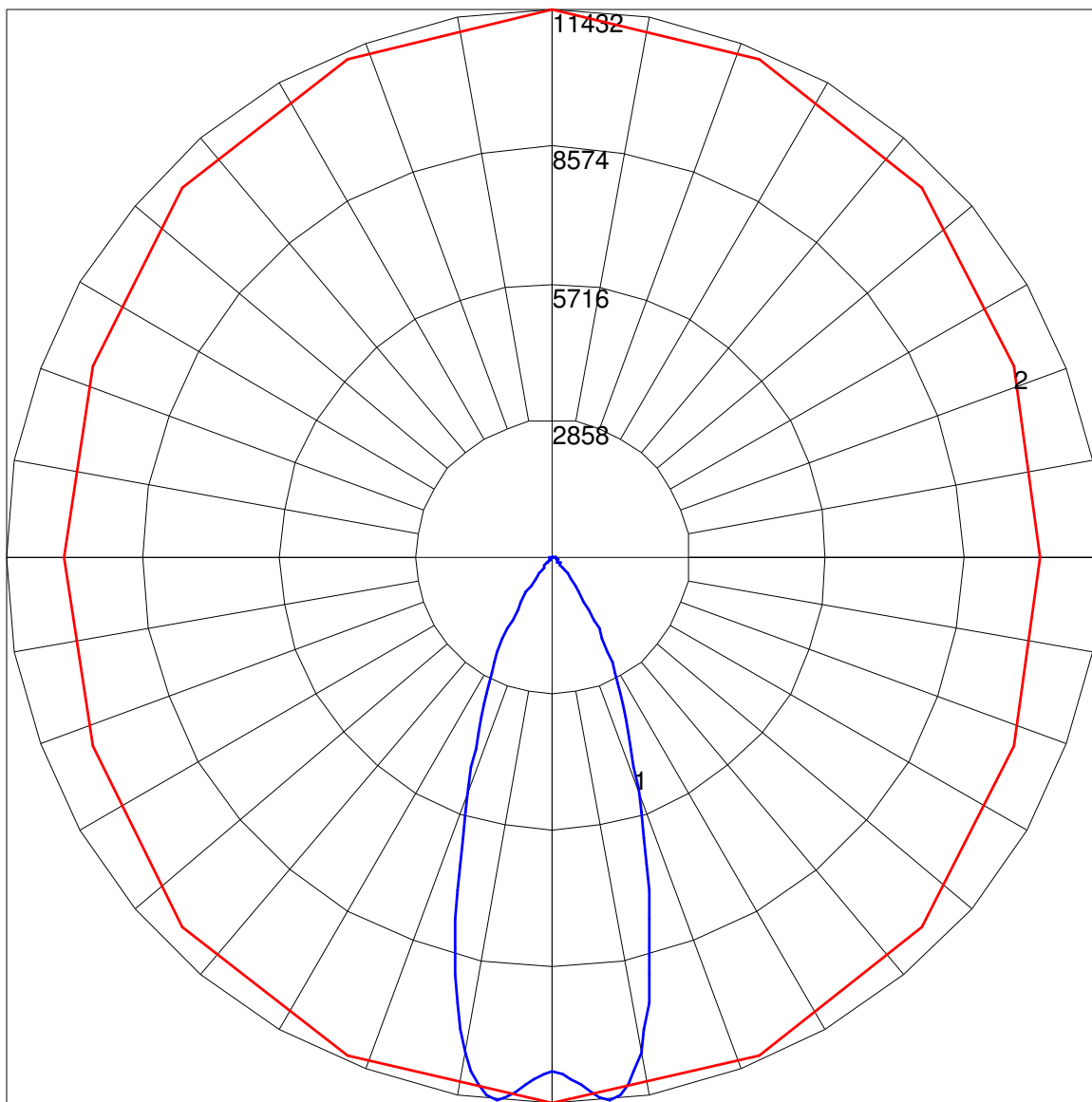
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

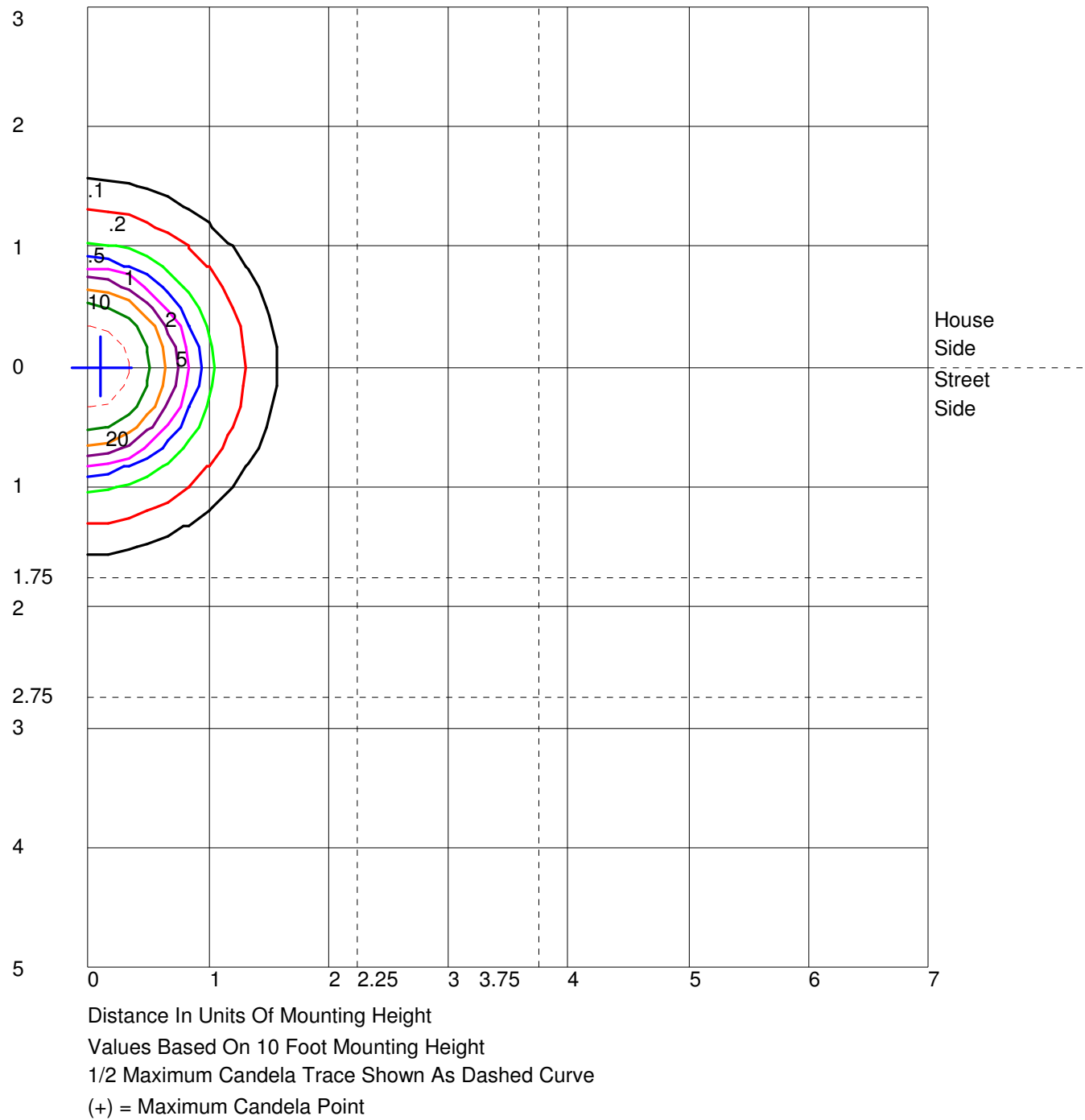
	Lumens	Percent Of Luminaire
Downward Street Side	2843.3	50.0
Downward House Side	2843.3	50.0
Downward Total	5686.6	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	5687.0	100.0

POLAR GRAPH

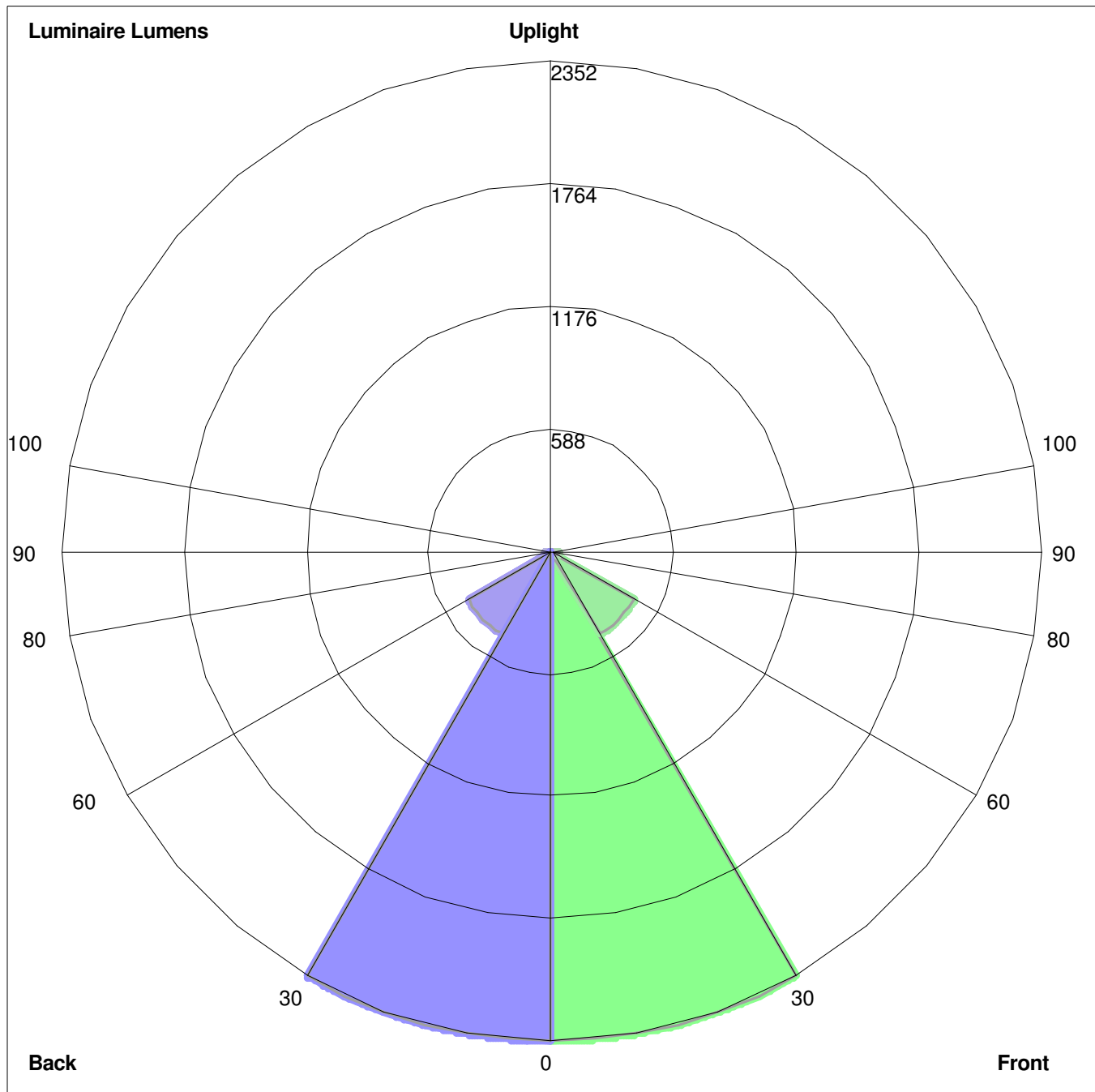


Maximum Candela = 11432.443 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2352.2, Medium=459.3, High=30.4, Very High=1.4
Back: Low=2352.2, Medium=459.3, High=30.4, Very High=1.4
Uplight: Low=0.4, High=0.0

BUG Rating : B3-U1-G0