

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-827-XXX-DIM-UNV-W-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L10-827-xxx-DIM-UNV-W-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH WIDE DIST
[LAMPCAT] BL VERO 18
[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	1059
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	887.144
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	887.144
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.295 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.183 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-827-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	283.1	N.A.	26.7
FM - Front-Medium (30-60)	211.3	N.A.	19.9
FH - Front-High (60-80)	34.2	N.A.	3.2
FVH - Front-Very High (80-90)	1.0	N.A.	0.1
BL - Back-Low (0-30)	283.1	N.A.	26.7
BM - Back-Medium (30-60)	211.3	N.A.	19.9
BH - Back-High (60-80)	34.2	N.A.	3.2
BVH - Back-Very High (80-90)	1.0	N.A.	0.1
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	1059.5	N.A.	100.0
BUG Rating	B1-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	887.144	887.144	887.144	887.144	887.144
1	886.646	886.934	886.760	886.327	886.504
2	886.092	886.025	885.669	885.080	884.959
3	884.682	884.692	884.149	883.442	882.611
4	882.234	882.532	881.896	880.682	880.117
5	878.003	878.202	877.520	876.248	875.960
6	872.489	872.223	870.791	869.420	869.349
7	864.169	863.636	861.451	860.425	859.878
8	852.435	852.293	850.247	849.390	848.580
9	838.598	838.622	837.184	836.146	835.578
10	823.265	823.457	822.039	821.432	821.250
11	806.322	806.880	805.839	805.715	805.708
12	788.854	789.526	788.886	789.348	789.135
13	771.710	772.186	772.555	772.825	772.324
14	754.362	755.030	756.004	756.423	755.286
15	737.157	738.159	739.221	739.772	738.482
16	720.297	721.775	722.567	723.522	722.684
17	704.395	705.799	706.125	707.788	707.042
18	688.590	690.288	690.672	692.555	691.748
19	674.436	675.790	676.394	677.882	677.339
20	661.388	662.020	662.770	664.141	662.994
21	649.217	649.266	650.091	651.387	649.721
22	638.236	636.783	638.300	638.921	638.278
23	627.993	625.968	627.496	627.688	627.880
24	617.890	616.327	617.151	617.162	617.325
25	608.202	607.040	606.607	606.610	606.923
26	598.134	596.887	595.462	595.587	595.278
27	586.343	584.343	582.538	582.098	582.623
28	570.470	568.115	565.617	565.308	566.189
29	549.609	547.517	543.495	543.545	544.565
30	521.746	519.864	515.131	515.711	516.496
31	486.871	485.123	480.650	481.521	482.153
32	446.126	445.099	441.174	442.890	443.494
33	401.445	401.140	398.557	400.742	401.495
34	355.901	356.459	355.180	357.862	358.022
35	313.551	313.665	313.743	316.883	316.624
36	275.819	275.776	277.354	280.498	280.611
37	244.553	244.695	246.887	250.017	249.633
38	219.955	220.818	223.209	225.596	225.394
39	202.646	203.790	205.634	207.560	207.496
40	190.823	191.754	193.044	194.213	194.340
41	182.724	183.132	184.042	184.724	184.731
42	176.531	176.677	177.284	177.665	177.370
43	171.323	171.320	171.721	171.853	171.430
44	166.399	166.399	166.588	166.584	166.172
45	161.451	161.483	161.607	161.575	161.152
46	156.399	156.466	156.505	156.481	156.140
47	151.088	151.187	151.241	151.230	150.917
48	145.723	145.802	145.841	145.830	145.571
49	140.238	140.323	140.373	140.313	140.018
50	134.685	134.685	134.728	134.707	134.423
51	129.065	129.065	129.087	129.062	128.820
52	123.385	123.442	123.438	123.410	123.147

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-827-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	117.821	117.850	117.821	117.800	117.466
54	112.283	112.247	112.219	112.127	111.778
55	106.684	106.581	106.549	106.386	106.048
56	100.741	100.659	100.623	100.431	100.115
57	94.737	94.651	94.619	94.381	94.055
58	88.864	88.747	88.665	88.434	88.125
59	83.034	82.942	82.811	82.615	82.331
60	77.361	77.251	77.166	76.938	76.700
61	71.808	71.723	71.645	71.464	71.236
62	66.487	66.398	66.298	66.153	65.936
63	61.307	61.247	61.140	61.016	60.810
64	56.294	56.241	56.170	56.035	55.896
65	51.601	51.498	51.459	51.356	51.260
66	46.944	46.962	46.841	46.819	46.692
67	42.517	42.560	42.492	42.450	42.343
68	38.364	38.364	38.339	38.300	38.251
69	34.371	34.385	34.346	34.336	34.314
70	30.602	30.637	30.602	30.602	30.598
71	27.071	27.096	27.060	27.078	27.081
72	23.753	23.792	23.756	23.777	23.806
73	20.655	20.680	20.665	20.694	20.704
74	17.795	17.809	17.813	17.852	17.838
75	15.145	15.166	15.177	15.209	15.187
76	12.697	12.704	12.729	12.764	12.750
77	10.469	10.480	10.519	10.544	10.533
78	8.459	8.452	8.512	8.519	8.516
79	6.654	6.661	6.718	6.743	6.725
80	5.098	5.094	5.151	5.183	5.169
81	3.737	3.755	3.805	3.837	3.819
82	2.529	2.554	2.590	2.593	2.611
83	1.748	1.755	1.822	1.862	1.908
84	1.620	1.624	1.620	1.620	1.613
85	1.503	1.506	1.503	1.499	1.492
86	1.346	1.346	1.343	1.343	1.332
87	1.133	1.137	1.130	1.130	1.123
88	0.867	0.860	0.860	0.860	0.853
89	0.529	0.529	0.529	0.526	0.519
90	0.231	0.231	0.259	0.284	0.295
91	0.202	0.202	0.202	0.202	0.199
92	0.206	0.210	0.210	0.210	0.210
93	0.220	0.224	0.224	0.224	0.224
94	0.231	0.234	0.238	0.238	0.234
95	0.249	0.249	0.252	0.249	0.249
96	0.263	0.266	0.266	0.266	0.263
97	0.281	0.284	0.284	0.281	0.281
98	0.298	0.298	0.298	0.298	0.295
99	0.316	0.316	0.316	0.320	0.316
100	0.330	0.334	0.330	0.337	0.330
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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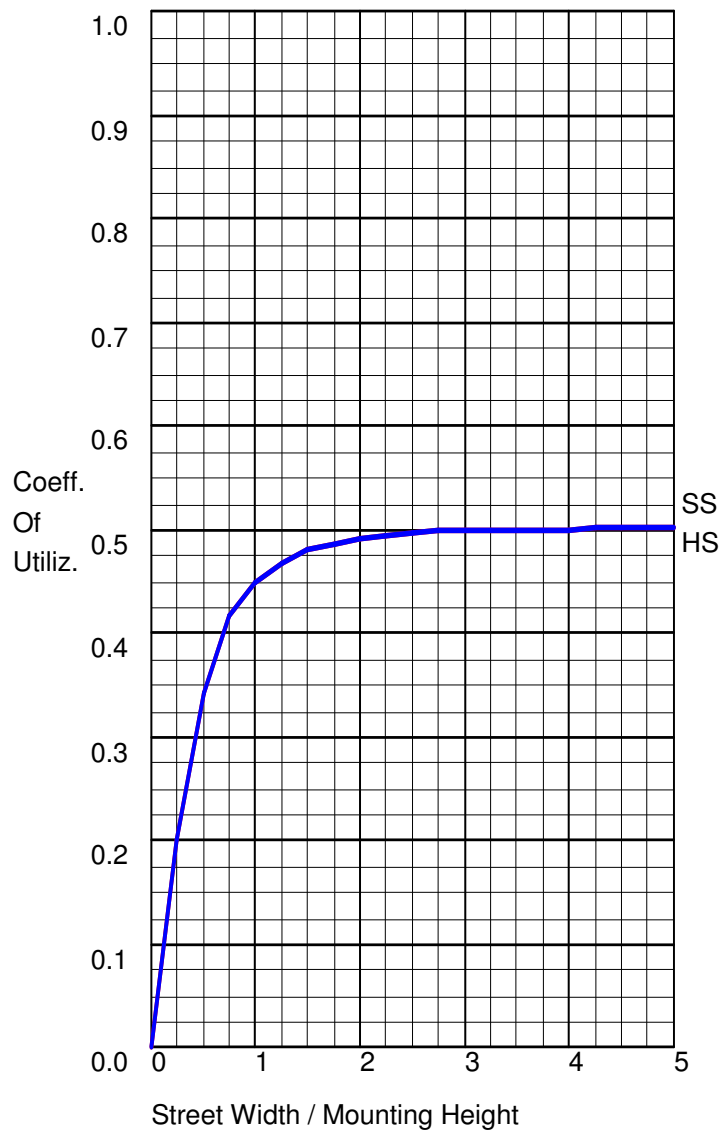
CANDELA TABULATION - (Cont.)

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-L10-827-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

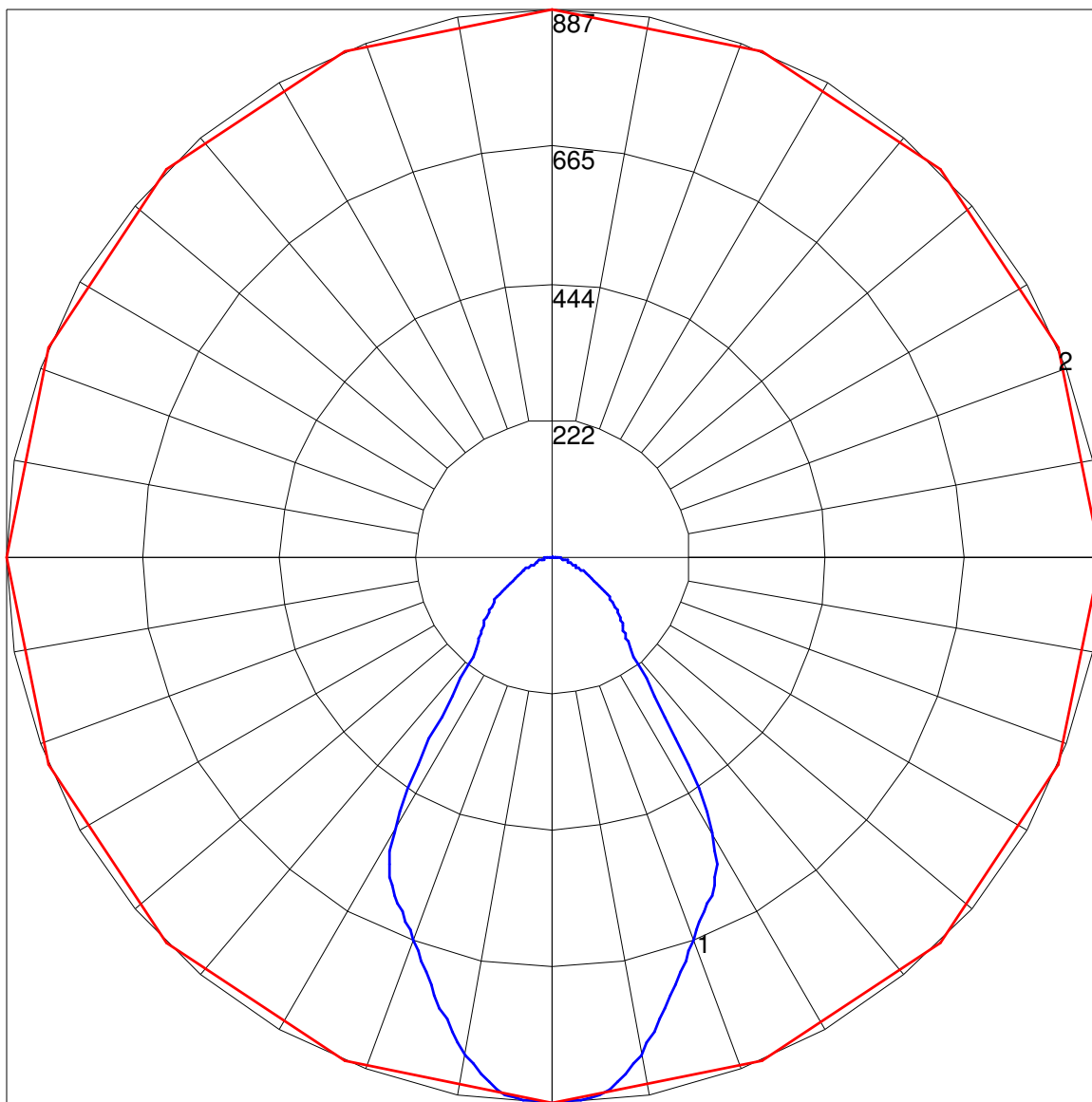
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

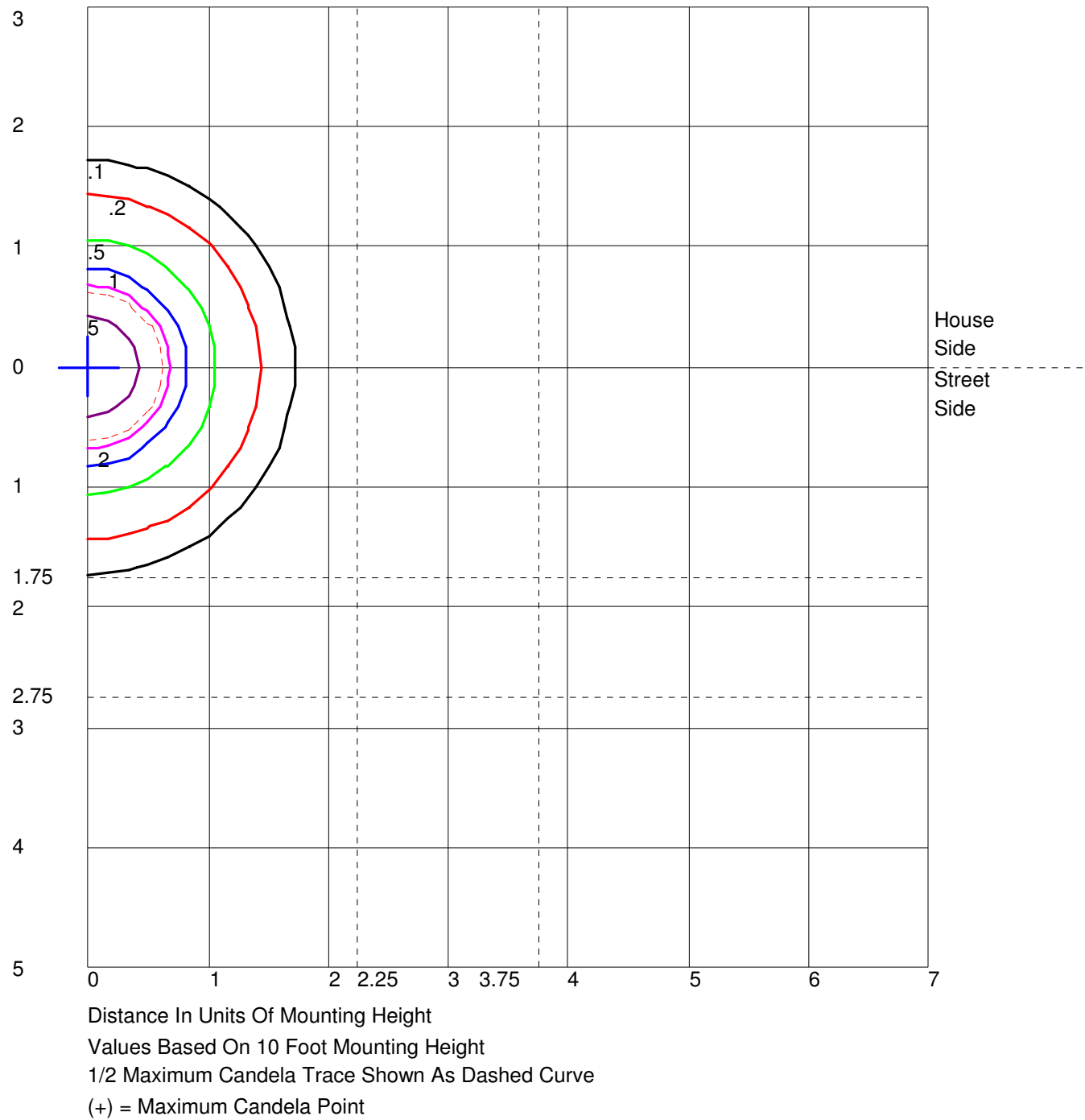
	Lumens	Percent Of Luminaire
Downward Street Side	529.6	50.0
Downward House Side	529.6	50.0
Downward Total	1059.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1059.4	100.0

POLAR GRAPH

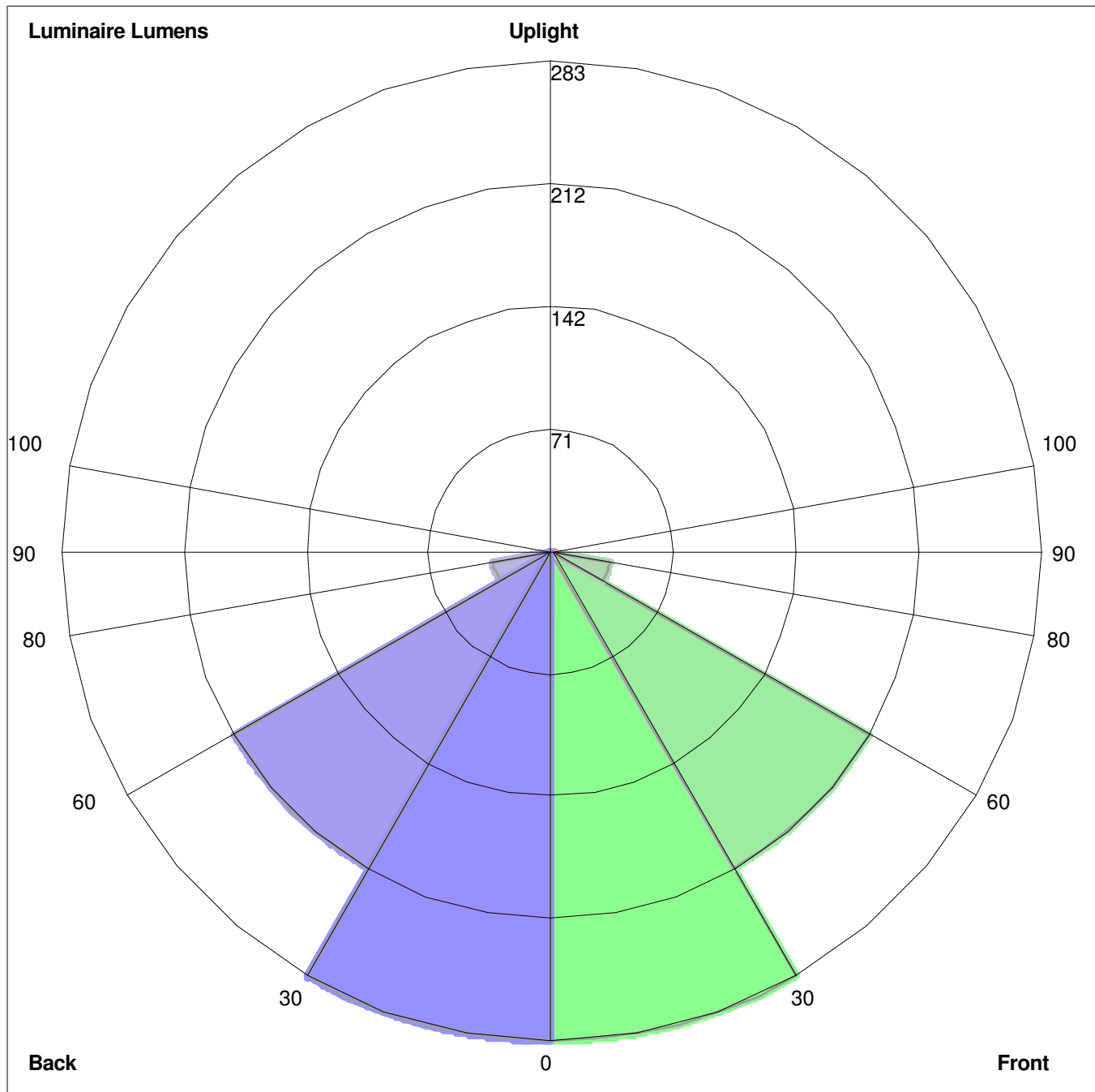


Maximum Candela = 887.144 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=283.1, Medium=211.3, High=34.2, Very High=1.0
Back: Low=283.1, Medium=211.3, High=34.2, Very High=1.0
Uplight: Low=0.3, High=0.0

BUG Rating : B1-U1-G0