

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-850-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-L10-850-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	1070
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	896.196
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	896.196
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.298 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.236 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-850-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	286.0	N.A.	26.7
FM - Front-Medium (30-60)	213.5	N.A.	19.9
FH - Front-High (60-80)	34.6	N.A.	3.2
FVH - Front-Very High (80-90)	1.0	N.A.	0.1
BL - Back-Low (0-30)	286.0	N.A.	26.7
BM - Back-Medium (30-60)	213.5	N.A.	19.9
BH - Back-High (60-80)	34.6	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	1070.5	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	896.196	896.196	896.196	896.196	896.196
1	895.694	895.984	895.809	895.371	895.550
2	895.134	895.066	894.707	894.111	893.989
3	893.709	893.720	893.171	892.457	891.617
4	891.236	891.538	890.895	889.668	889.097
5	886.962	887.163	886.474	885.189	884.899
6	881.392	881.123	879.677	878.291	878.220
7	872.987	872.449	870.242	869.205	868.652
8	861.133	860.990	858.923	858.058	857.239
9	847.155	847.180	845.726	844.678	844.104
10	831.665	831.859	830.427	829.814	829.631
11	814.550	815.114	814.062	813.937	813.929
12	796.904	797.582	796.936	797.403	797.187
13	779.584	780.065	780.438	780.711	780.205
14	762.060	762.735	763.718	764.141	762.993
15	744.679	745.691	746.764	747.321	746.018
16	727.647	729.140	729.940	730.905	730.058
17	711.583	713.001	713.331	715.010	714.257
18	695.616	697.332	697.719	699.621	698.807
19	681.318	682.686	683.296	684.800	684.250
20	668.137	668.775	669.533	670.918	669.759
21	655.841	655.892	656.724	658.034	656.351
22	644.748	643.280	644.813	645.441	644.791
23	634.402	632.356	633.899	634.093	634.287
24	624.195	622.616	623.448	623.459	623.624
25	614.408	613.235	612.797	612.800	613.116
26	604.237	602.978	601.539	601.664	601.352
27	592.326	590.306	588.482	588.037	588.569
28	576.291	573.912	571.389	571.077	571.967
29	555.218	553.104	549.041	549.091	550.121
30	527.070	525.168	520.388	520.973	521.766
31	491.839	490.073	485.555	486.434	487.073
32	450.678	449.641	445.676	447.409	448.019
33	405.542	405.233	402.624	404.831	405.592
34	359.533	360.096	358.804	361.514	361.675
35	316.750	316.865	316.944	320.117	319.855
36	278.633	278.590	280.184	283.360	283.475
37	247.048	247.192	249.406	252.568	252.180
38	222.199	223.071	225.486	227.898	227.694
39	204.714	205.870	207.732	209.678	209.613
40	192.771	193.711	195.014	196.194	196.324
41	184.588	185.001	185.919	186.609	186.616
42	178.333	178.480	179.094	179.478	179.180
43	173.071	173.068	173.473	173.606	173.179
44	168.097	168.097	168.288	168.284	167.868
45	163.098	163.130	163.256	163.224	162.797
46	157.995	158.063	158.102	158.077	157.733
47	152.629	152.730	152.784	152.773	152.457
48	147.210	147.289	147.329	147.318	147.056
49	141.669	141.755	141.806	141.745	141.447
50	136.060	136.060	136.103	136.081	135.794
51	130.382	130.382	130.404	130.379	130.135
52	124.644	124.701	124.698	124.669	124.403

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-850-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	119.024	119.052	119.024	119.002	118.665
54	113.429	113.393	113.364	113.271	112.919
55	107.773	107.669	107.636	107.471	107.130
56	101.769	101.686	101.650	101.456	101.137
57	95.703	95.617	95.585	95.345	95.014
58	89.771	89.653	89.570	89.337	89.025
59	83.882	83.788	83.656	83.458	83.171
60	78.150	78.039	77.953	77.723	77.483
61	72.541	72.455	72.376	72.193	71.963
62	67.165	67.075	66.975	66.828	66.609
63	61.932	61.871	61.764	61.638	61.430
64	56.869	56.815	56.743	56.607	56.467
65	52.128	52.024	51.984	51.880	51.783
66	47.423	47.441	47.319	47.297	47.168
67	42.951	42.994	42.926	42.883	42.775
68	38.756	38.756	38.731	38.691	38.641
69	34.722	34.736	34.697	34.686	34.665
70	30.914	30.950	30.914	30.914	30.911
71	27.347	27.372	27.336	27.354	27.358
72	23.995	24.034	23.999	24.020	24.049
73	20.865	20.891	20.876	20.905	20.916
74	17.976	17.991	17.994	18.034	18.020
75	15.299	15.321	15.331	15.364	15.342
76	12.826	12.834	12.859	12.895	12.880
77	10.576	10.587	10.627	10.652	10.641
78	8.545	8.538	8.599	8.606	8.602
79	6.722	6.729	6.786	6.812	6.794
80	5.150	5.146	5.204	5.236	5.222
81	3.775	3.793	3.844	3.876	3.858
82	2.555	2.580	2.616	2.620	2.638
83	1.766	1.773	1.841	1.881	1.927
84	1.637	1.640	1.637	1.637	1.629
85	1.518	1.522	1.518	1.514	1.507
86	1.360	1.360	1.357	1.357	1.346
87	1.145	1.148	1.141	1.141	1.134
88	0.876	0.868	0.868	0.868	0.861
89	0.535	0.535	0.535	0.531	0.524
90	0.233	0.233	0.262	0.287	0.298
91	0.205	0.205	0.205	0.205	0.201
92	0.208	0.212	0.212	0.212	0.212
93	0.223	0.226	0.226	0.226	0.226
94	0.233	0.237	0.240	0.240	0.237
95	0.251	0.251	0.255	0.251	0.251
96	0.266	0.269	0.269	0.269	0.266
97	0.284	0.287	0.287	0.284	0.284
98	0.301	0.301	0.301	0.301	0.298
99	0.319	0.319	0.319	0.323	0.319
100	0.334	0.337	0.334	0.341	0.334
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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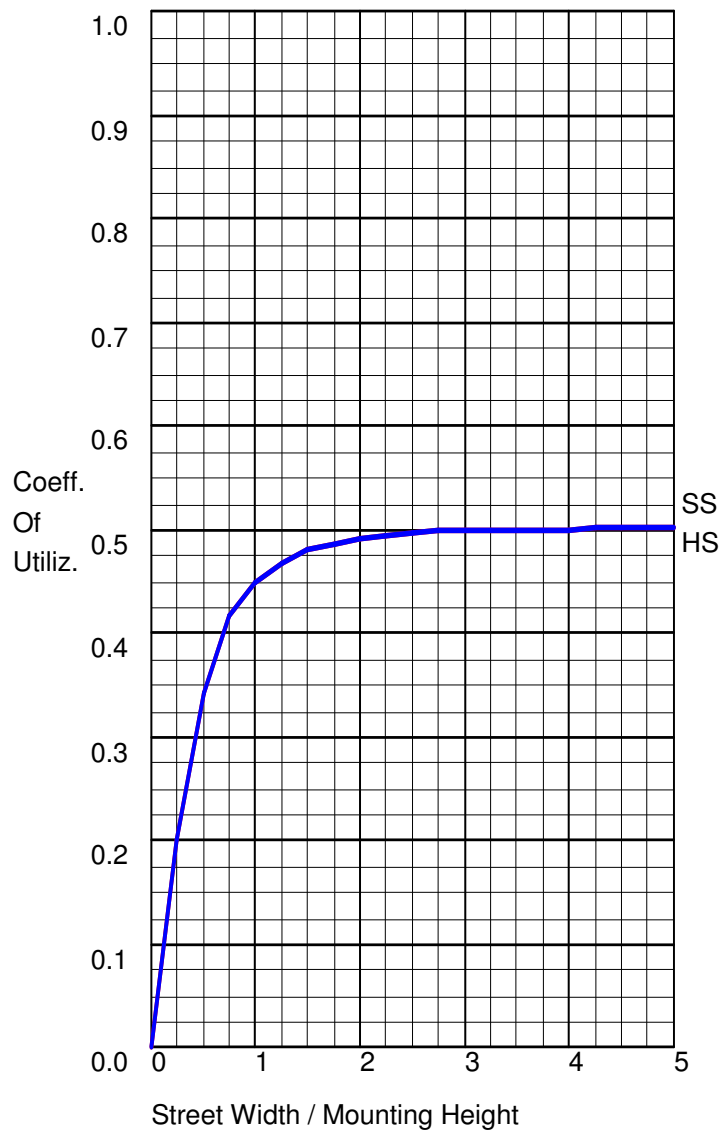
CANDELA TABULATION - (Cont.)

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-L10-850-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

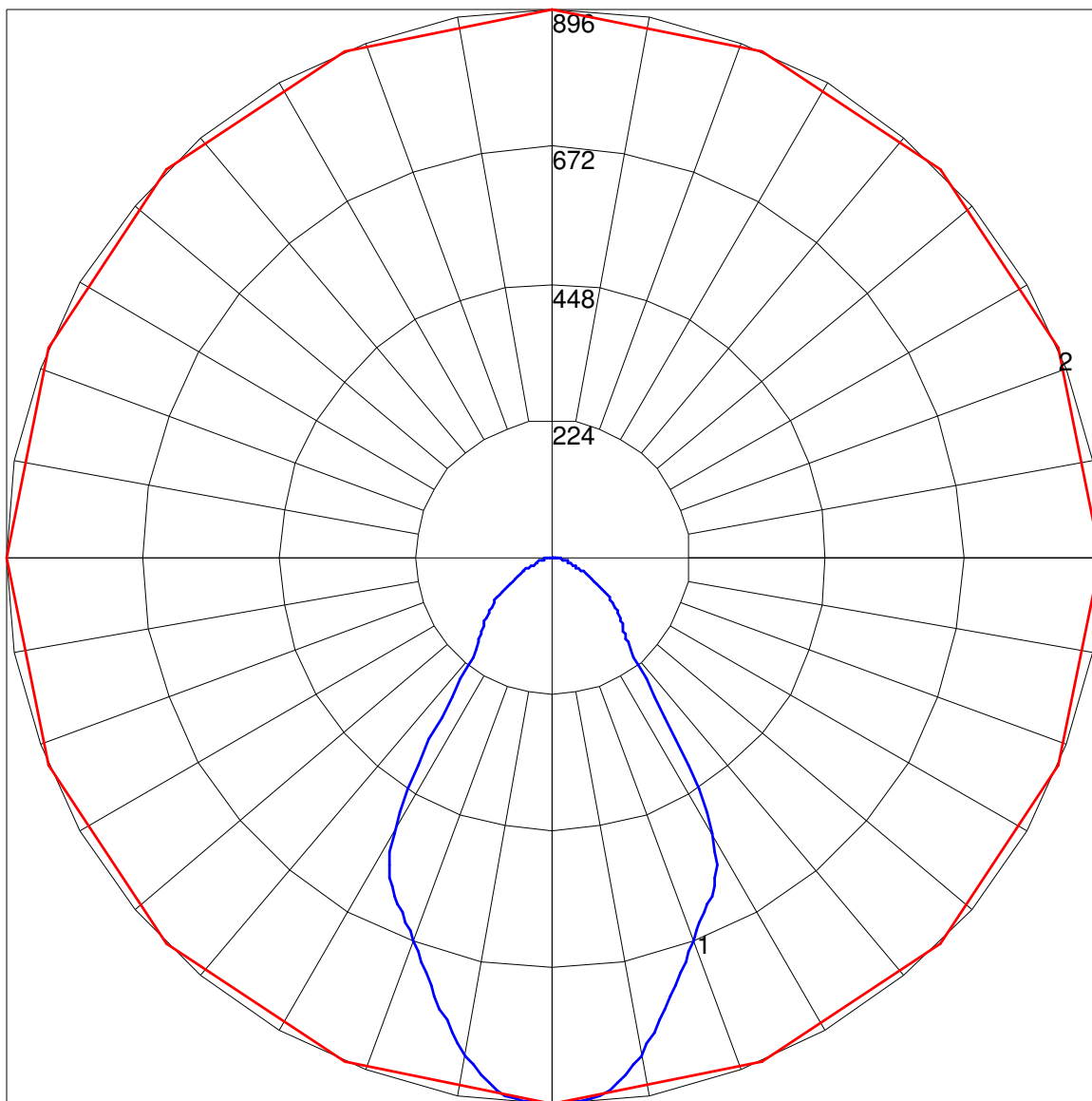
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

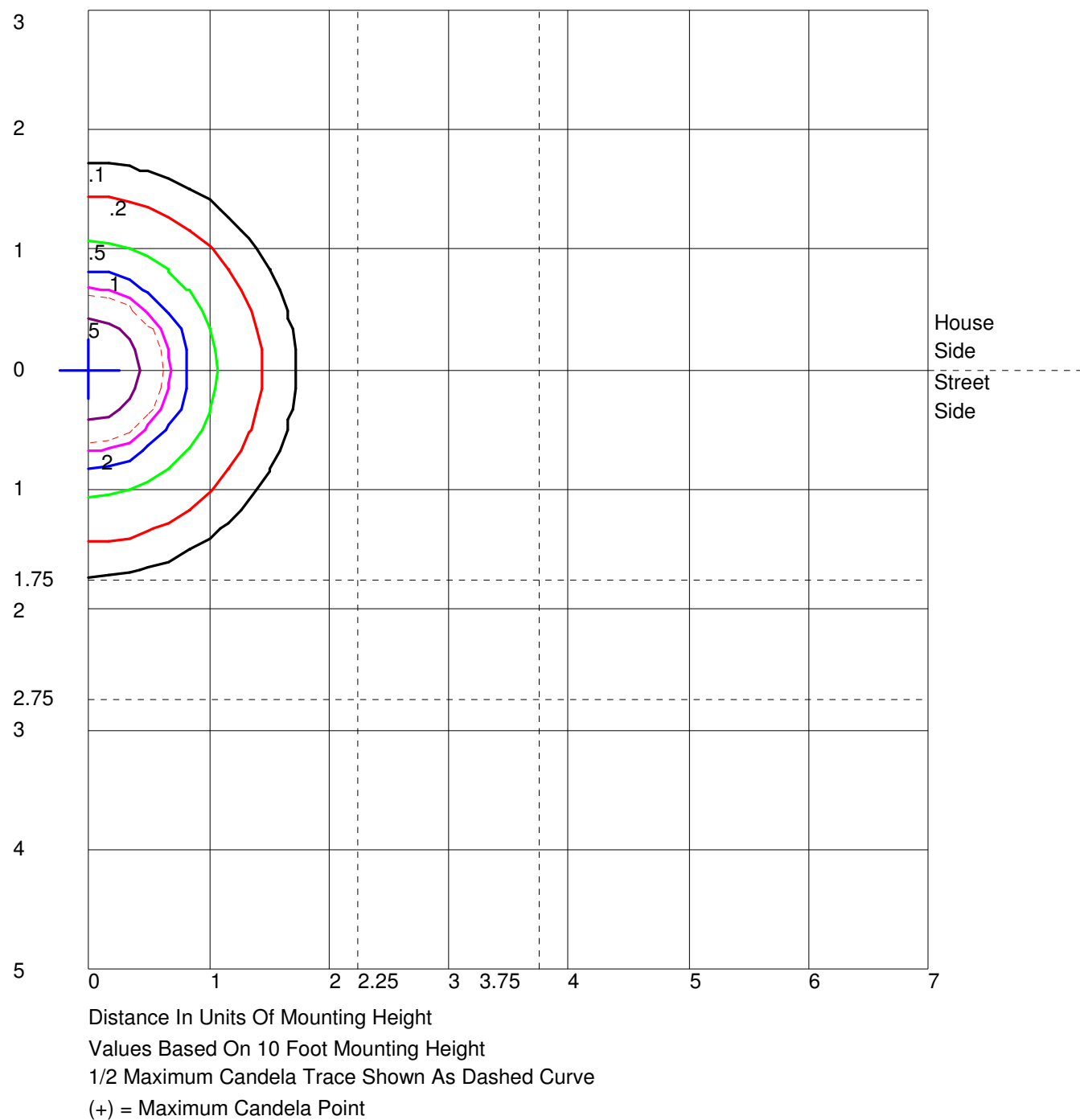
	Lumens	Percent Of Luminaire
Downward Street Side	535.0	50.0
Downward House Side	535.0	50.0
Downward Total	1070.0	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	1070.4	100.0

POLAR GRAPH

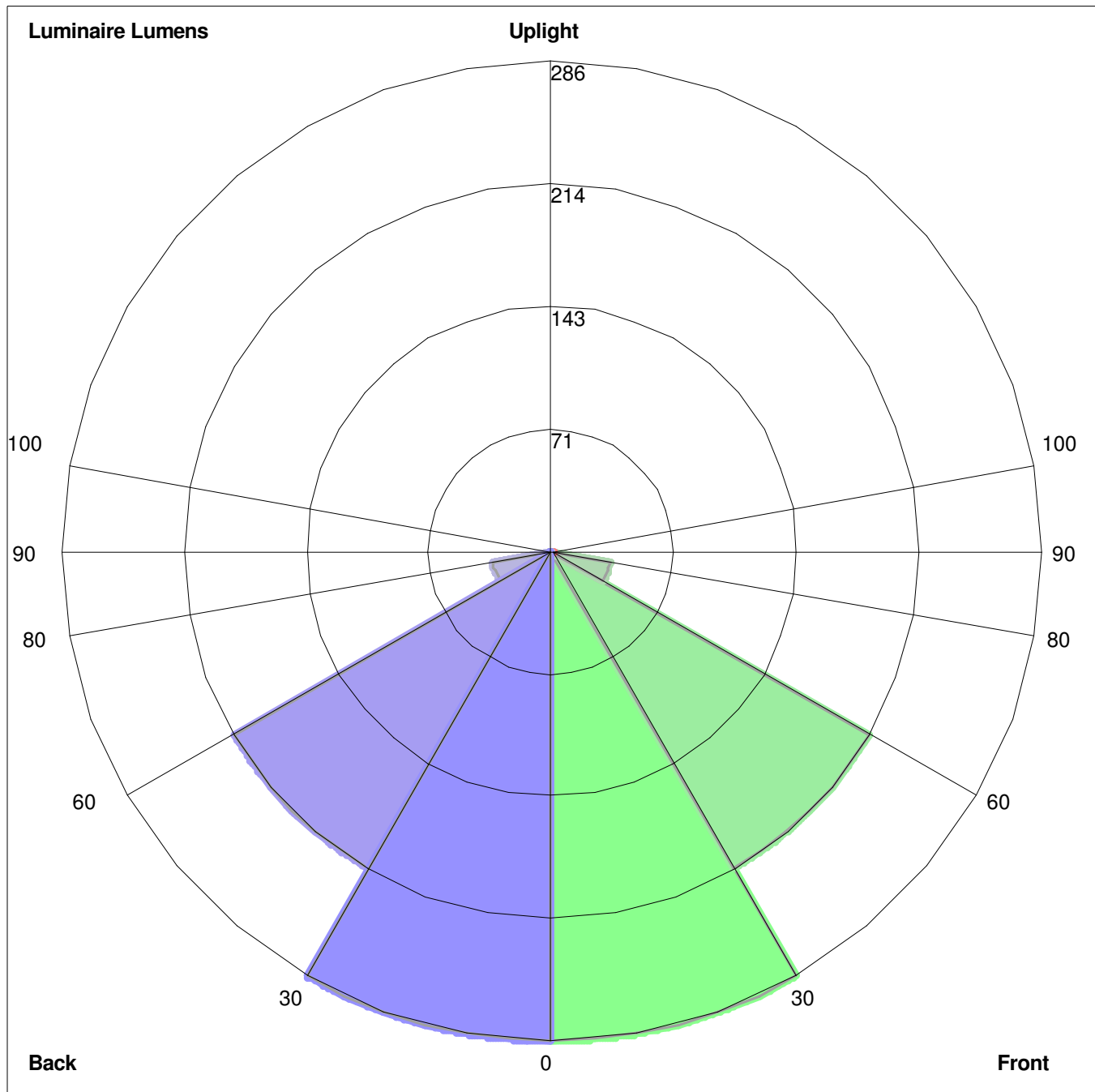


Maximum Candela = 896.196 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=286.0, Medium=213.5, High=34.6, Very High=1.0
Back: Low=286.0, Medium=213.5, High=34.6, Very High=1.0
Uplight: Low=0.3, High=0.0

BUG Rating : B1-U1-G0