

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-940-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-L10-940-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	1049
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	878.091
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	878.091
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.292 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.13 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-940-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	280.2	N.A.	26.7
FM - Front-Medium (30-60)	209.1	N.A.	19.9
FH - Front-High (60-80)	33.9	N.A.	3.2
FVH - Front-Very High (80-90)	1.0	N.A.	0.1
BL - Back-Low (0-30)	280.2	N.A.	26.7
BM - Back-Medium (30-60)	209.1	N.A.	19.9
BH - Back-High (60-80)	33.9	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	1048.7	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	878.091	878.091	878.091	878.091	878.091
1	877.599	877.884	877.711	877.282	877.458
2	877.050	876.984	876.632	876.048	875.929
3	875.654	875.665	875.127	874.427	873.604
4	873.232	873.527	872.898	871.695	871.136
5	869.044	869.241	868.565	867.307	867.022
6	863.586	863.323	861.905	860.548	860.478
7	855.351	854.824	852.661	851.645	851.103
8	843.737	843.596	841.571	840.723	839.921
9	830.040	830.065	828.641	827.614	827.052
10	814.864	815.054	813.651	813.050	812.870
11	798.095	798.647	797.616	797.493	797.486
12	780.805	781.469	780.836	781.294	781.083
13	763.835	764.306	764.672	764.939	764.443
14	746.665	747.326	748.289	748.704	747.579
15	729.635	730.627	731.678	732.223	730.947
16	712.947	714.409	715.194	716.139	715.310
17	697.208	698.597	698.920	700.566	699.827
18	681.563	683.244	683.624	685.488	684.689
19	667.554	668.894	669.492	670.965	670.427
20	654.639	655.265	656.007	657.364	656.228
21	642.592	642.641	643.457	644.740	643.091
22	631.723	630.285	631.786	632.402	631.765
23	621.585	619.581	621.093	621.283	621.473
24	611.585	610.038	610.854	610.864	611.026
25	601.996	600.846	600.417	600.421	600.730
26	592.031	590.796	589.386	589.509	589.203
27	580.360	578.380	576.594	576.158	576.678
28	564.649	562.318	559.846	559.540	560.412
29	544.001	541.930	537.949	537.999	539.008
30	516.422	514.559	509.875	510.448	511.225
31	481.903	480.173	475.746	476.607	477.233
32	441.574	440.558	436.672	438.370	438.968
33	397.349	397.047	394.490	396.653	397.398
34	352.270	352.822	351.556	354.211	354.369
35	310.351	310.464	310.541	313.650	313.393
36	273.004	272.962	274.523	277.635	277.748
37	242.057	242.198	244.367	247.465	247.086
38	217.710	218.565	220.931	223.294	223.094
39	200.579	201.711	203.536	205.442	205.378
40	188.876	189.797	191.074	192.231	192.357
41	180.859	181.263	182.164	182.839	182.846
42	174.730	174.874	175.475	175.852	175.560
43	169.575	169.572	169.969	170.099	169.681
44	164.701	164.701	164.888	164.884	164.476
45	159.803	159.835	159.958	159.926	159.508
46	154.803	154.870	154.908	154.884	154.546
47	149.546	149.644	149.697	149.687	149.377
48	144.236	144.314	144.352	144.342	144.085
49	138.807	138.892	138.941	138.881	138.589
50	133.311	133.311	133.353	133.332	133.051
51	127.748	127.748	127.769	127.745	127.506
52	122.126	122.182	122.178	122.150	121.890

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**CANDELA TABULATION - (Cont.)**

53	116.619	116.647	116.619	116.598	116.267
54	111.137	111.102	111.074	110.982	110.638
55	105.595	105.493	105.462	105.300	104.966
56	99.713	99.632	99.597	99.407	99.094
57	93.770	93.686	93.654	93.418	93.095
58	87.958	87.841	87.761	87.532	87.226
59	82.187	82.096	81.966	81.772	81.491
60	76.572	76.463	76.378	76.153	75.918
61	71.076	70.991	70.914	70.735	70.509
62	65.808	65.720	65.622	65.478	65.263
63	60.681	60.622	60.516	60.393	60.189
64	55.720	55.667	55.597	55.463	55.326
65	51.075	50.973	50.934	50.832	50.737
66	46.465	46.482	46.363	46.342	46.215
67	42.083	42.126	42.059	42.017	41.911
68	37.973	37.973	37.948	37.910	37.860
69	34.021	34.035	33.996	33.985	33.964
70	30.290	30.325	30.290	30.290	30.286
71	26.794	26.819	26.784	26.801	26.805
72	23.510	23.549	23.514	23.535	23.563
73	20.444	20.469	20.454	20.483	20.493
74	17.613	17.627	17.631	17.670	17.655
75	14.990	15.011	15.022	15.053	15.032
76	12.567	12.574	12.599	12.634	12.620
77	10.363	10.373	10.412	10.436	10.426
78	8.372	8.365	8.425	8.432	8.429
79	6.586	6.593	6.649	6.674	6.656
80	5.046	5.042	5.099	5.130	5.116
81	3.699	3.717	3.766	3.798	3.780
82	2.504	2.528	2.563	2.567	2.585
83	1.730	1.737	1.804	1.843	1.888
84	1.603	1.607	1.603	1.603	1.596
85	1.487	1.491	1.487	1.484	1.477
86	1.333	1.333	1.329	1.329	1.319
87	1.122	1.125	1.118	1.118	1.111
88	0.858	0.851	0.851	0.851	0.844
89	0.524	0.524	0.524	0.520	0.513
90	0.229	0.229	0.257	0.281	0.292
91	0.200	0.200	0.200	0.200	0.197
92	0.204	0.207	0.207	0.207	0.207
93	0.218	0.222	0.222	0.222	0.222
94	0.229	0.232	0.236	0.236	0.232
95	0.246	0.246	0.250	0.246	0.246
96	0.260	0.264	0.264	0.264	0.260
97	0.278	0.281	0.281	0.278	0.278
98	0.295	0.295	0.295	0.295	0.292
99	0.313	0.313	0.313	0.316	0.313
100	0.327	0.331	0.327	0.334	0.327
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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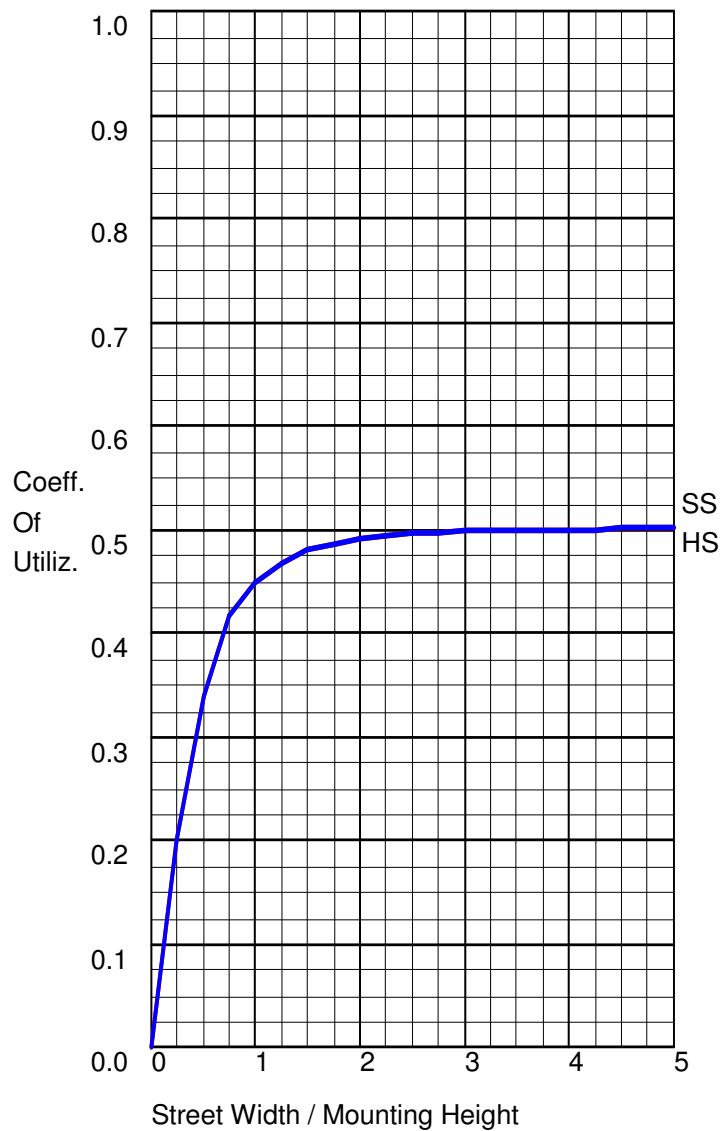
CANDELA TABULATION - (Cont.)

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-L10-940-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

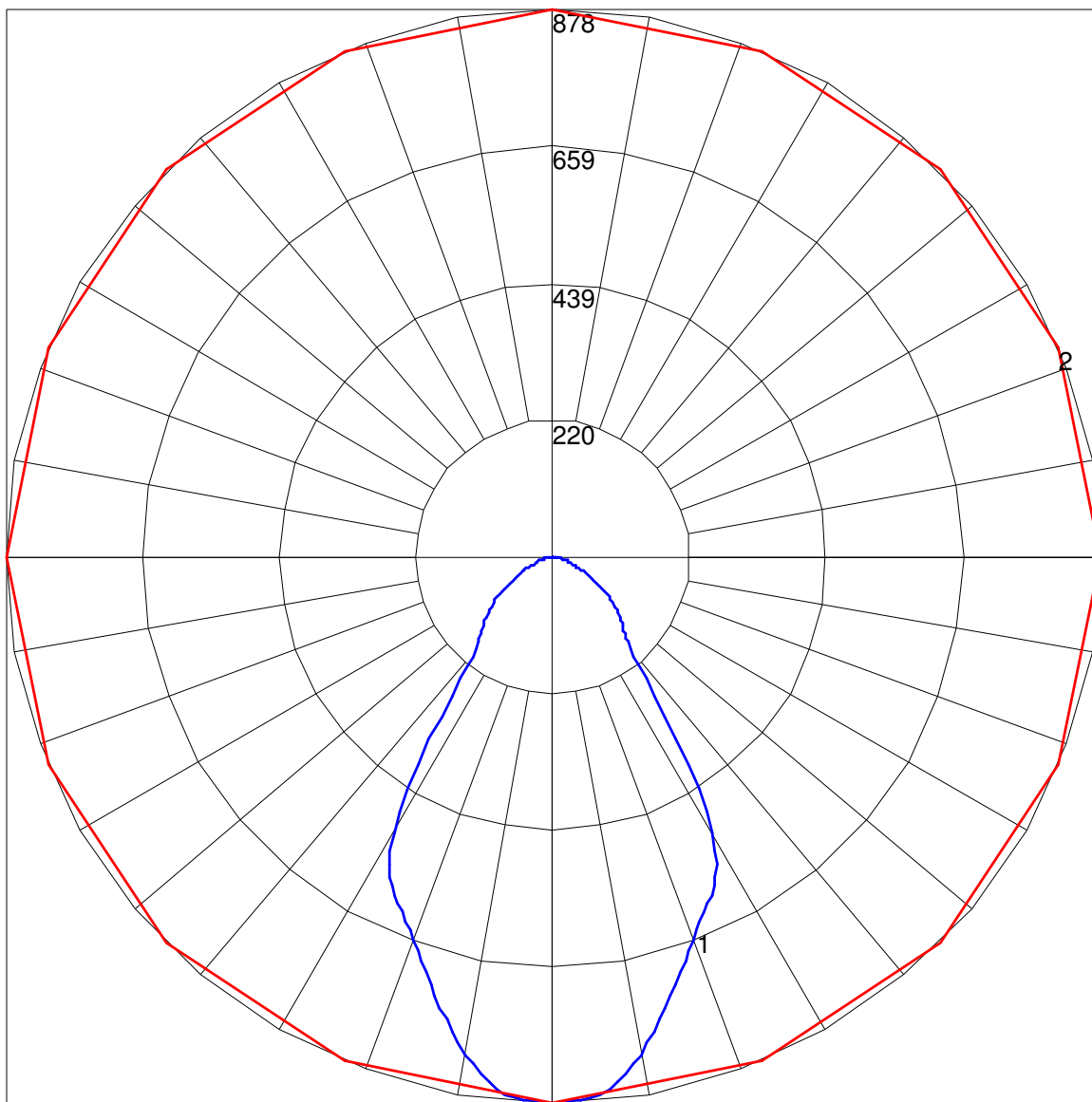
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	524.2	50.0
Downward House Side	524.2	50.0
Downward Total	1048.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1048.6	100.0

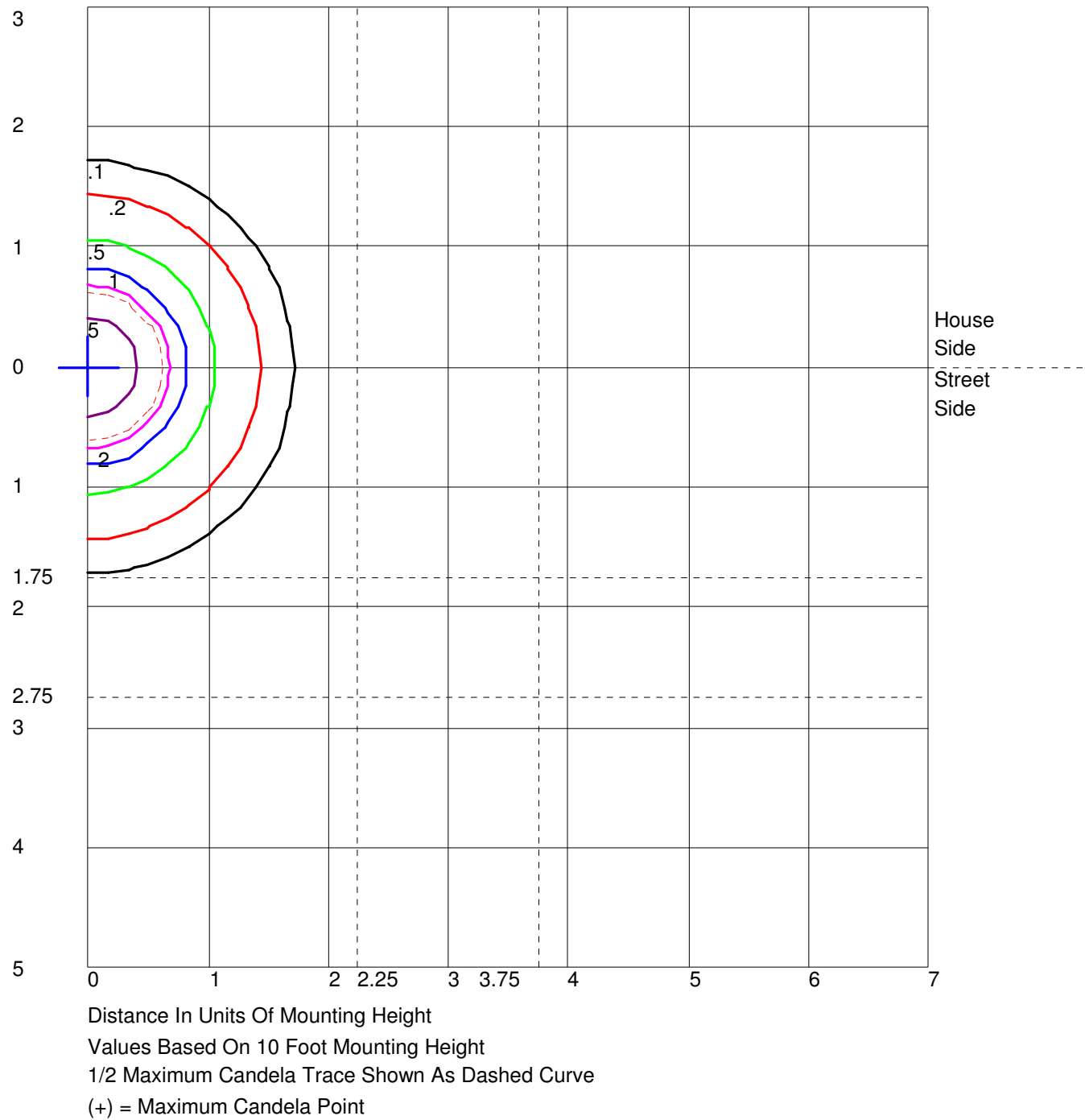
POLAR GRAPH



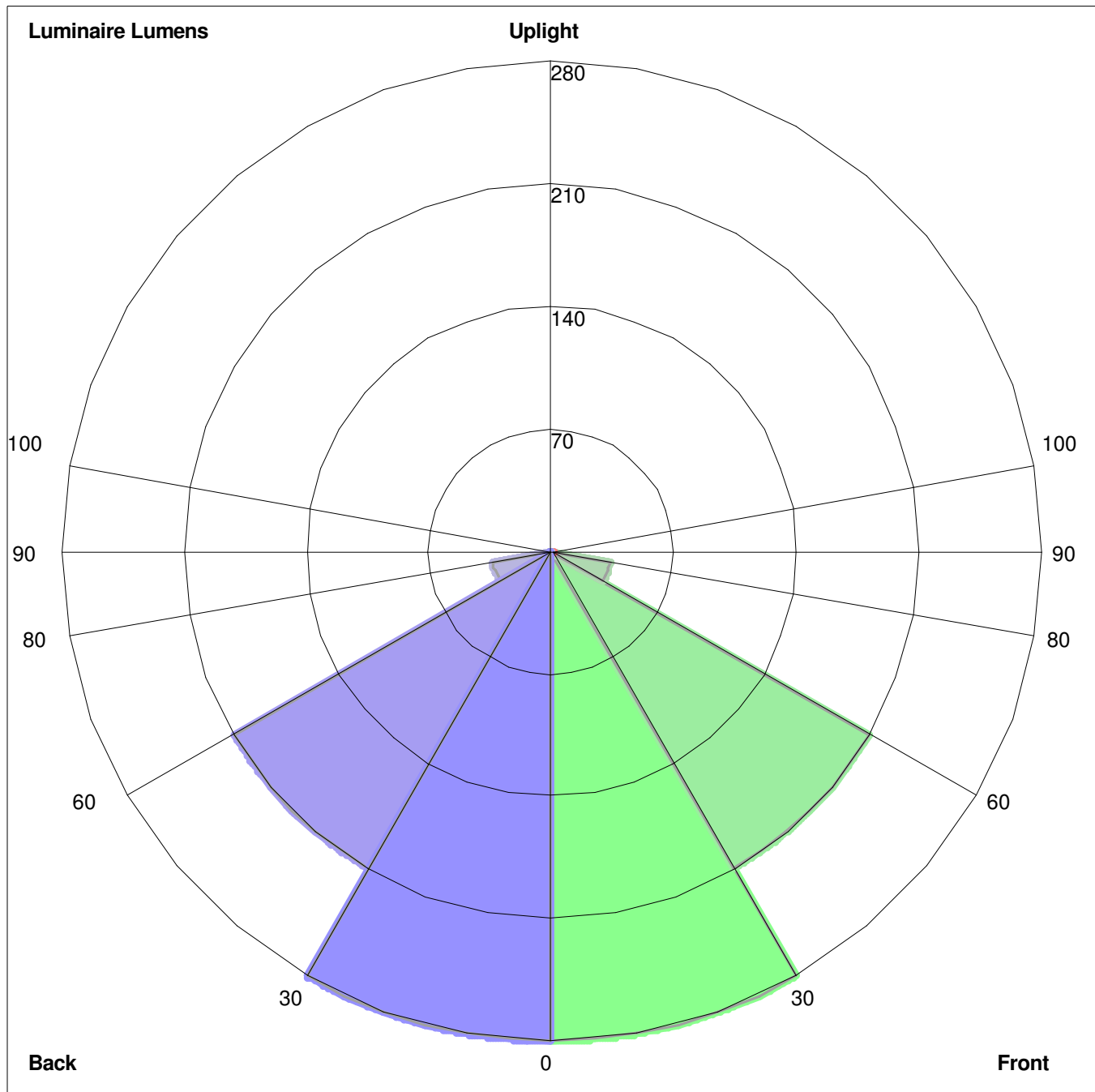
Maximum Candela = 878.091 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=280.2, Medium=209.1, High=33.9, Very High=1.0  
Back: Low=280.2, Medium=209.1, High=33.9, Very High=1.0  
Uplight: Low=0.3, High=0.0

BUG Rating : B1-U1-G0