

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-840-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-L10-840-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	1092
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	914.301
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	914.301
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.304 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.342 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-840-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	291.7	N.A.	26.7
FM - Front-Medium (30-60)	217.8	N.A.	19.9
FH - Front-High (60-80)	35.3	N.A.	3.2
FVH - Front-Very High (80-90)	1.0	N.A.	0.1
BL - Back-Low (0-30)	291.7	N.A.	26.7
BM - Back-Medium (30-60)	217.8	N.A.	19.9
BH - Back-High (60-80)	35.3	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	1091.9	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	914.301	914.301	914.301	914.301	914.301
1	913.789	914.085	913.906	913.459	913.642
2	913.218	913.148	912.782	912.174	912.050
3	911.764	911.775	911.215	910.486	909.629
4	909.241	909.549	908.893	907.641	907.059
5	904.881	905.086	904.383	903.072	902.775
6	899.198	898.924	897.448	896.035	895.962
7	890.623	890.074	887.823	886.764	886.201
8	878.530	878.384	876.275	875.392	874.557
9	864.269	864.295	862.812	861.743	861.157
10	848.467	848.665	847.204	846.578	846.391
11	831.006	831.581	830.508	830.380	830.372
12	813.003	813.695	813.036	813.512	813.292
13	795.334	795.824	796.205	796.483	795.967
14	777.455	778.144	779.147	779.579	778.407
15	759.723	760.756	761.851	762.418	761.089
16	742.347	743.870	744.686	745.671	744.807
17	725.959	727.405	727.742	729.455	728.686
18	709.669	711.419	711.815	713.755	712.924
19	695.083	696.477	697.100	698.634	698.074
20	681.634	682.286	683.059	684.472	683.289
21	669.091	669.142	669.991	671.328	669.611
22	657.773	656.276	657.839	658.480	657.817
23	647.218	645.131	646.705	646.903	647.101
24	636.805	635.194	636.043	636.054	636.223
25	626.821	625.623	625.177	625.180	625.502
26	616.444	615.159	613.691	613.819	613.501
27	604.292	602.231	600.371	599.917	600.459
28	587.934	585.506	582.932	582.614	583.522
29	566.434	564.278	560.133	560.184	561.235
30	537.718	535.778	530.901	531.498	532.307
31	501.775	499.974	495.364	496.261	496.913
32	459.783	458.725	454.679	456.448	457.070
33	413.735	413.420	410.758	413.010	413.786
34	366.796	367.371	366.053	368.817	368.982
35	323.149	323.267	323.347	326.584	326.316
36	284.262	284.218	285.844	289.084	289.202
37	252.039	252.185	254.444	257.670	257.275
38	226.688	227.578	230.042	232.502	232.293
39	208.850	210.029	211.929	213.914	213.848
40	196.665	197.624	198.953	200.158	200.290
41	188.317	188.738	189.675	190.378	190.386
42	181.935	182.086	182.712	183.103	182.799
43	176.568	176.564	176.978	177.113	176.678
44	171.493	171.493	171.687	171.684	171.259
45	166.393	166.426	166.554	166.521	166.085
46	161.187	161.256	161.296	161.271	160.919
47	155.713	155.815	155.870	155.859	155.537
48	150.184	150.265	150.305	150.294	150.027
49	144.531	144.619	144.670	144.608	144.304
50	138.809	138.809	138.852	138.831	138.538
51	133.016	133.016	133.038	133.013	132.764
52	127.162	127.220	127.217	127.187	126.917

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**CANDELA TABULATION - (Cont.)**

53	121.428	121.457	121.428	121.406	121.062
54	115.720	115.684	115.654	115.559	115.200
55	109.950	109.844	109.811	109.642	109.295
56	103.824	103.740	103.704	103.506	103.180
57	97.637	97.549	97.516	97.271	96.934
58	91.585	91.464	91.380	91.142	90.823
59	85.576	85.481	85.346	85.144	84.851
60	79.729	79.616	79.528	79.294	79.048
61	74.007	73.919	73.838	73.651	73.417
62	68.522	68.430	68.328	68.178	67.954
63	63.184	63.121	63.012	62.883	62.671
64	58.018	57.963	57.889	57.750	57.607
65	53.181	53.075	53.034	52.928	52.829
66	48.381	48.399	48.275	48.253	48.121
67	43.819	43.863	43.793	43.749	43.639
68	39.539	39.539	39.513	39.473	39.422
69	35.423	35.438	35.398	35.387	35.365
70	31.539	31.575	31.539	31.539	31.535
71	27.899	27.925	27.888	27.907	27.910
72	24.480	24.520	24.483	24.505	24.535
73	21.287	21.313	21.298	21.327	21.338
74	18.340	18.354	18.358	18.398	18.384
75	15.608	15.630	15.641	15.674	15.652
76	13.086	13.093	13.119	13.155	13.141
77	10.790	10.801	10.841	10.867	10.856
78	8.718	8.710	8.773	8.780	8.776
79	6.858	6.865	6.924	6.949	6.931
80	5.254	5.250	5.309	5.342	5.327
81	3.852	3.870	3.921	3.954	3.936
82	2.607	2.632	2.669	2.673	2.691
83	1.801	1.809	1.878	1.919	1.966
84	1.670	1.673	1.670	1.670	1.662
85	1.549	1.552	1.549	1.545	1.538
86	1.388	1.388	1.384	1.384	1.373
87	1.168	1.172	1.164	1.164	1.157
88	0.893	0.886	0.886	0.886	0.879
89	0.546	0.546	0.546	0.542	0.535
90	0.238	0.238	0.267	0.293	0.304
91	0.209	0.209	0.209	0.209	0.205
92	0.212	0.216	0.216	0.216	0.216
93	0.227	0.231	0.231	0.231	0.231
94	0.238	0.242	0.245	0.245	0.242
95	0.256	0.256	0.260	0.256	0.256
96	0.271	0.275	0.275	0.275	0.271
97	0.289	0.293	0.293	0.289	0.289
98	0.308	0.308	0.308	0.308	0.304
99	0.326	0.326	0.326	0.330	0.326
100	0.341	0.344	0.341	0.348	0.341
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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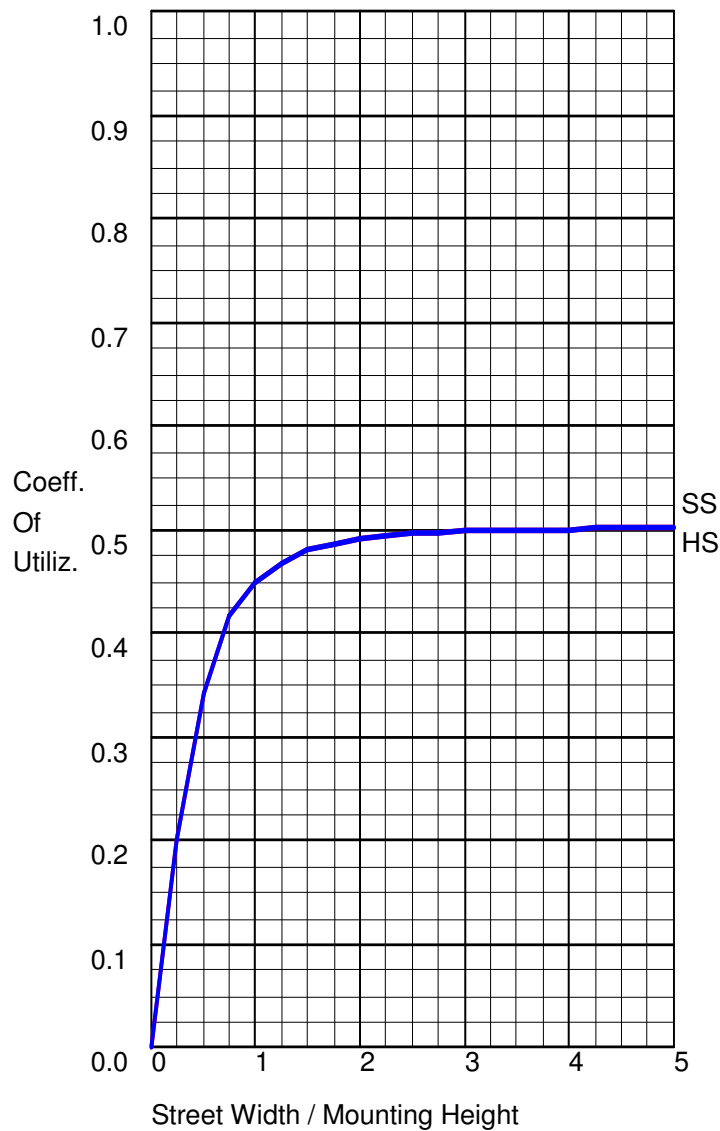
CANDELA TABULATION - (Cont.)

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-L10-840-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

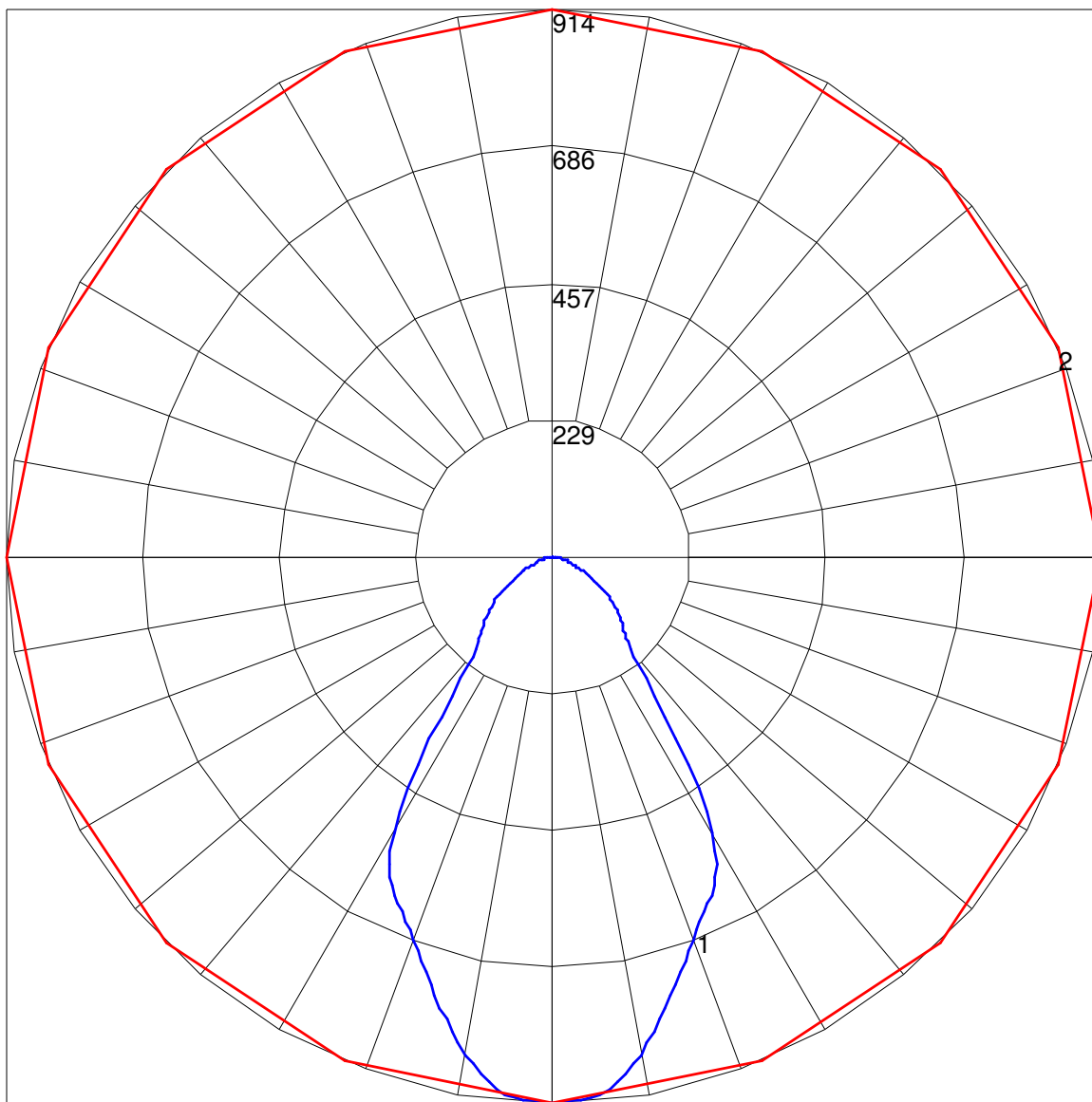
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	545.8	50.0
Downward House Side	545.8	50.0
Downward Total	1091.6	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	1092.0	100.0

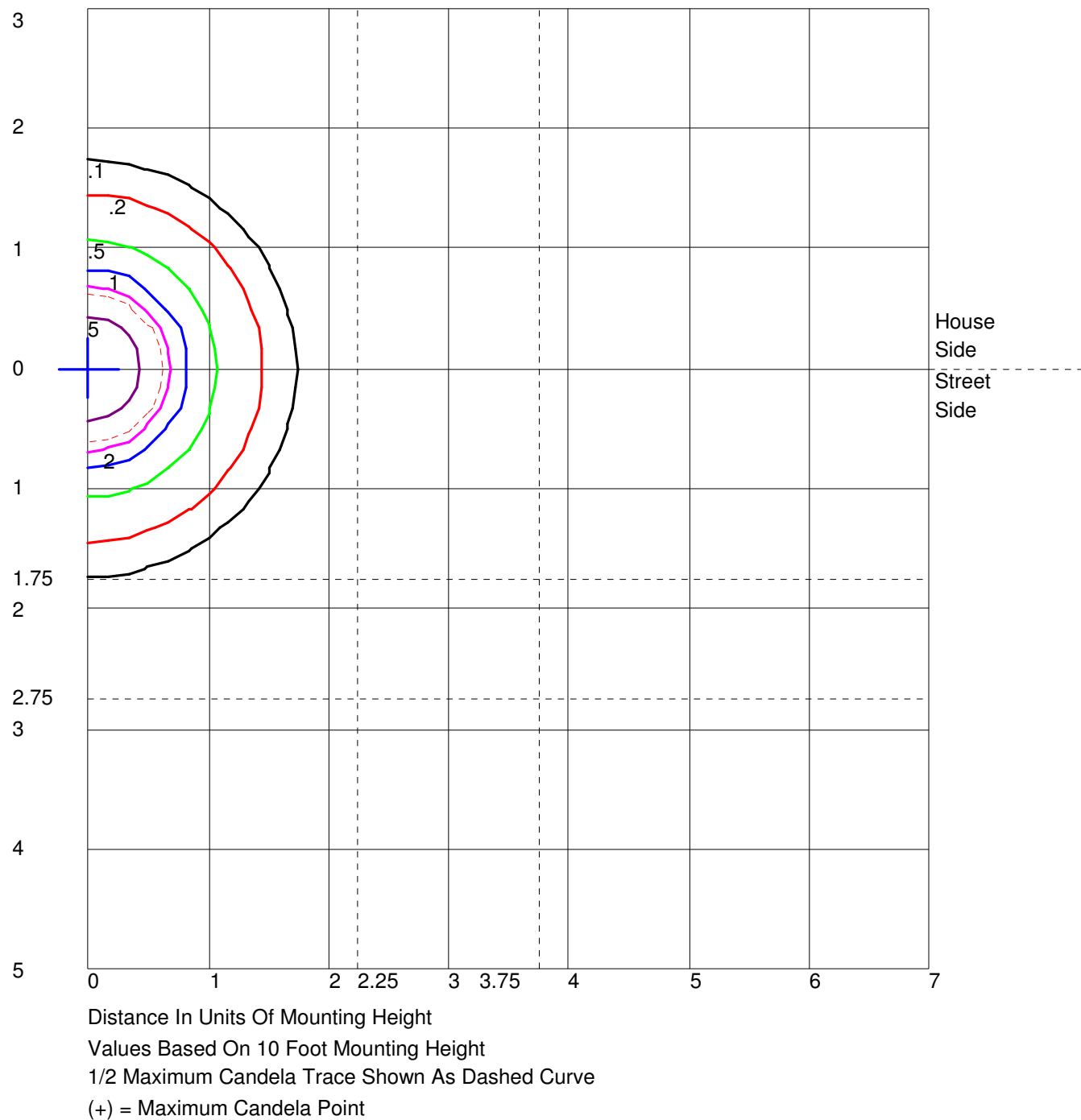
POLAR GRAPH



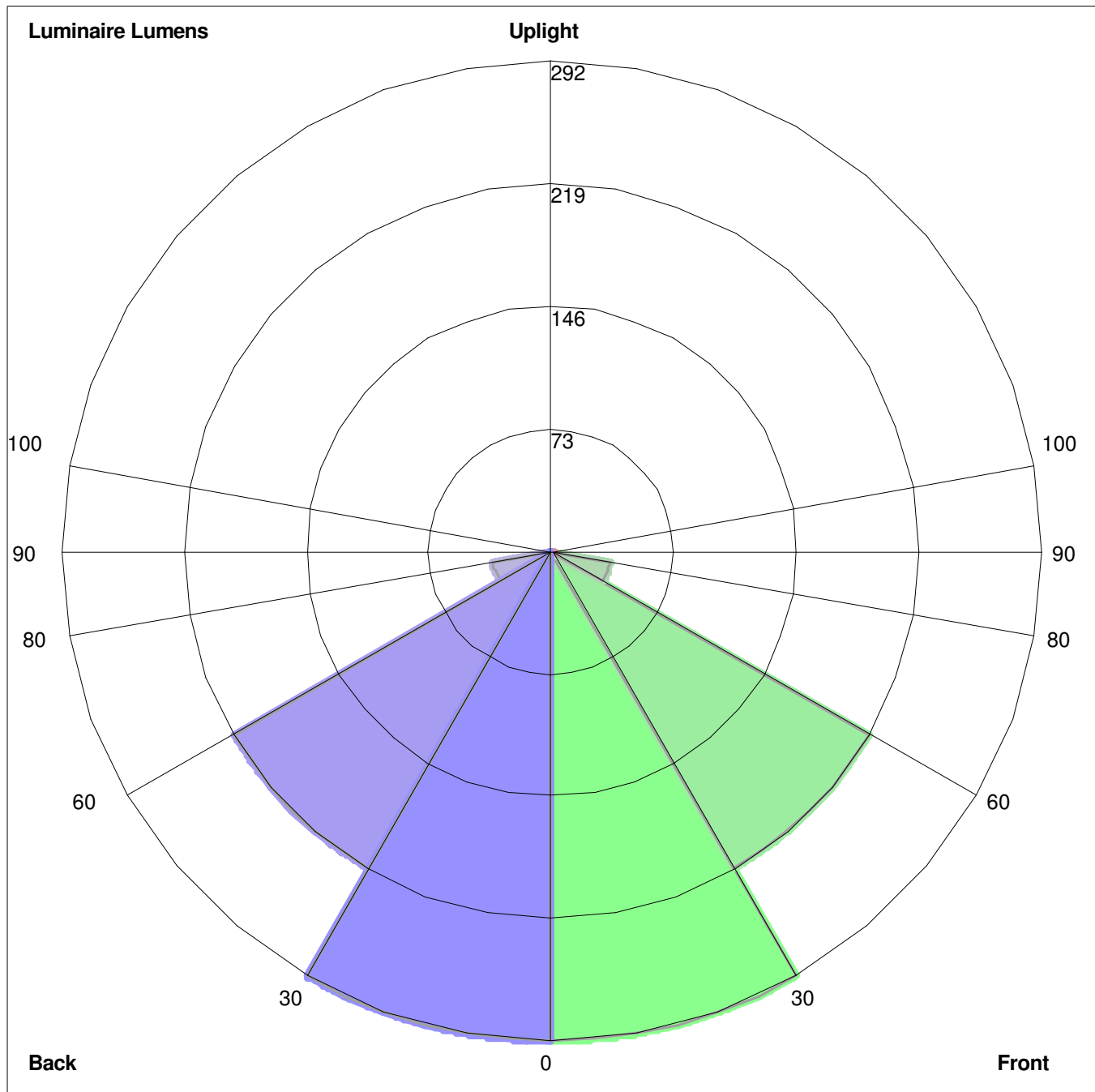
Maximum Candela = 914.301 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=291.7, Medium=217.8, High=35.3, Very High=1.0  
Back: Low=291.7, Medium=217.8, High=35.3, Very High=1.0  
Uplight: Low=0.3, High=0.0

BUG Rating : B1-U1-G0