

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-835-XXX-DIM-UNV-N-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] W6CR\_Angela-M\_(V18)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L10-835-xxx-DIM-UNV-N-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH NARROW DIST.  
[LAMPCAT] BL V18 COB  
[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	958
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2822.984
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2822.984
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.086 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.897 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-835-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	375.5	N.A.	39.2
FM - Front-Medium (30-60)	96.0	N.A.	10.0
FH - Front-High (60-80)	7.1	N.A.	0.7
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	375.5	N.A.	39.2
BM - Back-Medium (30-60)	96.0	N.A.	10.0
BH - Back-High (60-80)	7.1	N.A.	0.7
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.1	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	957.9	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	2822.984	2822.984	2822.984	2822.984	2822.984
1	2804.826	2804.038	2804.525	2804.501	2803.478
2	2755.295	2754.559	2754.217	2754.400	2753.364
3	2676.002	2674.440	2674.133	2674.672	2672.402
4	2567.001	2566.138	2564.700	2565.025	2563.619
5	2430.798	2430.266	2432.066	2432.239	2432.988
6	2276.945	2276.409	2279.100	2282.448	2285.367
7	2111.003	2111.880	2116.987	2122.576	2124.832
8	1938.653	1941.068	1947.687	1955.864	1958.514
9	1770.441	1772.597	1780.557	1791.021	1795.834
10	1610.383	1612.518	1621.722	1632.424	1638.449
11	1461.425	1463.239	1471.986	1483.238	1489.837
12	1325.395	1327.609	1335.849	1346.741	1351.471
13	1204.047	1206.396	1215.095	1226.789	1228.579
14	1097.271	1100.999	1109.639	1116.852	1120.155
15	1007.237	1007.665	1013.760	1021.778	1026.183
16	923.062	925.646	933.903	941.217	946.976
17	854.434	856.493	861.502	868.861	872.595
18	796.031	797.721	802.146	808.634	811.585
19	747.102	748.408	752.211	757.058	760.140
20	706.305	706.768	709.652	713.314	715.829
21	670.787	670.372	672.745	675.658	677.779
22	640.589	638.651	640.696	642.852	644.955
23	613.524	610.740	612.429	613.873	616.253
24	587.852	585.824	586.325	587.496	590.011
25	564.429	562.525	562.035	562.805	564.795
26	541.254	539.503	538.062	538.888	540.311
27	517.849	515.392	513.686	513.855	515.786
28	491.893	489.043	485.972	486.013	487.858
29	461.087	459.512	456.050	456.178	458.807
30	428.626	426.457	420.259	421.451	423.769
31	388.237	386.268	381.480	381.345	383.829
32	342.956	342.006	338.174	339.712	341.059
33	295.042	294.679	292.192	294.755	296.265
34	246.973	247.318	246.561	249.557	250.925
35	201.999	202.455	203.325	207.098	207.982
36	162.542	162.791	165.437	169.448	170.481
37	129.446	130.987	133.491	138.197	138.058
38	103.653	105.677	109.073	111.605	112.141
39	87.142	86.648	89.561	92.045	92.580
40	72.588	73.773	76.754	78.316	79.746
41	64.047	64.745	66.352	67.423	68.007
42	57.984	58.358	59.563	60.240	60.562
43	53.320	53.559	54.523	54.913	55.262
44	49.427	49.665	50.343	50.674	50.812
45	45.996	46.259	46.867	47.029	47.181
46	42.818	43.098	43.609	43.827	43.951
47	39.819	40.078	40.572	40.794	40.915
48	36.990	37.252	37.719	37.975	38.095
49	34.347	34.582	35.021	35.290	35.404
50	31.860	32.050	32.488	32.751	32.868
51	29.535	29.718	30.122	30.391	30.512
52	27.375	27.531	27.911	28.184	28.277

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-835-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	25.358	25.510	25.859	26.135	26.218
54	23.503	23.637	23.945	24.204	24.294
55	21.741	21.851	22.155	22.380	22.483
56	20.027	20.134	20.418	20.628	20.725
57	18.403	18.511	18.773	18.960	19.056
58	16.942	17.035	17.274	17.443	17.540
59	15.595	15.674	15.888	16.047	16.141
60	14.351	14.427	14.627	14.762	14.848
61	13.225	13.287	13.470	13.591	13.653
62	12.195	12.257	12.413	12.523	12.575
63	11.252	11.307	11.452	11.542	11.584
64	10.402	10.430	10.568	10.644	10.668
65	9.618	9.639	9.763	9.822	9.846
66	8.879	8.903	9.000	9.058	9.069
67	8.198	8.222	8.309	8.354	8.364
68	7.569	7.594	7.663	7.701	7.704
69	6.985	6.992	7.061	7.089	7.086
70	6.433	6.440	6.495	6.516	6.509
71	5.911	5.911	5.956	5.973	5.959
72	5.424	5.410	5.448	5.458	5.455
73	4.940	4.930	4.961	4.964	4.954
74	4.474	4.467	4.488	4.495	4.484
75	4.028	4.018	4.032	4.042	4.028
76	3.586	3.576	3.586	3.593	3.586
77	3.147	3.144	3.158	3.158	3.158
78	2.719	2.715	2.729	2.729	2.736
79	2.290	2.287	2.308	2.311	2.315
80	1.862	1.862	1.883	1.897	1.893
81	1.403	1.416	1.427	1.437	1.430
82	0.815	0.836	0.857	0.853	0.860
83	0.408	0.408	0.442	0.459	0.487
84	0.370	0.370	0.373	0.370	0.370
85	0.342	0.342	0.342	0.342	0.342
86	0.304	0.307	0.307	0.304	0.307
87	0.259	0.259	0.263	0.259	0.259
88	0.200	0.204	0.204	0.200	0.200
89	0.135	0.135	0.135	0.135	0.135
90	0.076	0.079	0.083	0.086	0.086
91	0.073	0.076	0.073	0.073	0.069
92	0.076	0.076	0.076	0.076	0.069
93	0.076	0.076	0.076	0.076	0.069
94	0.076	0.079	0.079	0.076	0.073
95	0.079	0.079	0.079	0.076	0.076
96	0.079	0.083	0.083	0.079	0.083
97	0.086	0.086	0.086	0.086	0.086
98	0.090	0.090	0.086	0.090	0.090
99	0.093	0.097	0.093	0.090	0.093
100	0.093	0.097	0.097	0.093	0.093
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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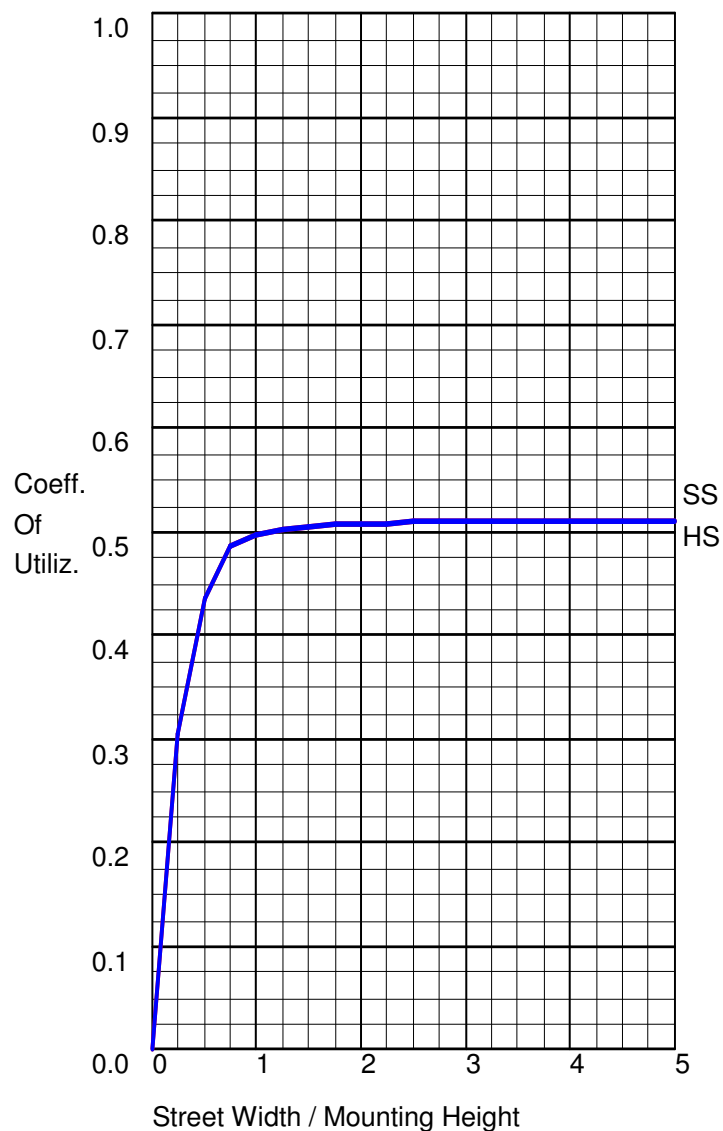
CANDELA TABULATION - (Cont.)

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

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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

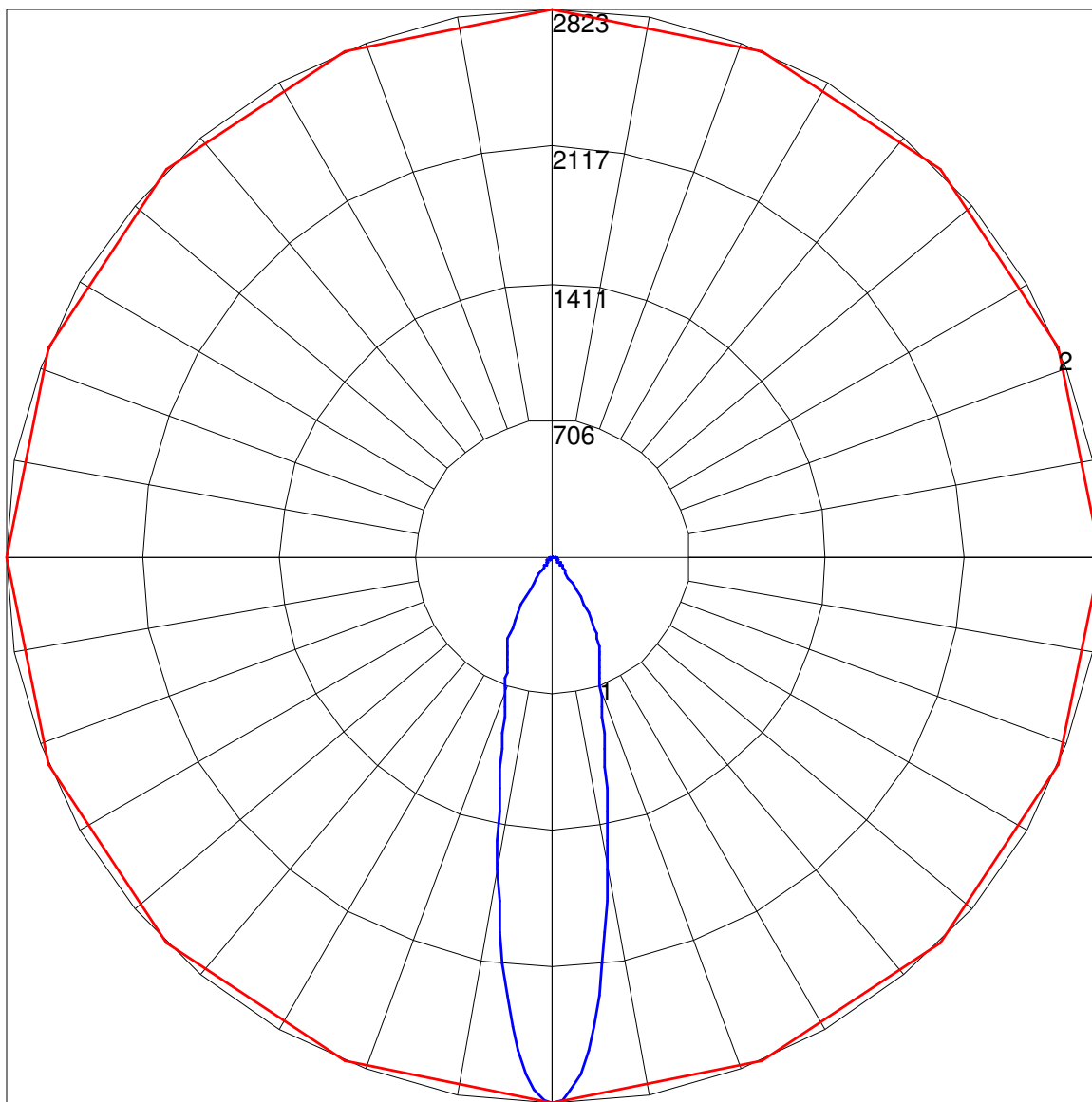
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	478.9	50.0
Downward House Side	478.9	50.0
Downward Total	957.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	957.8	100.0

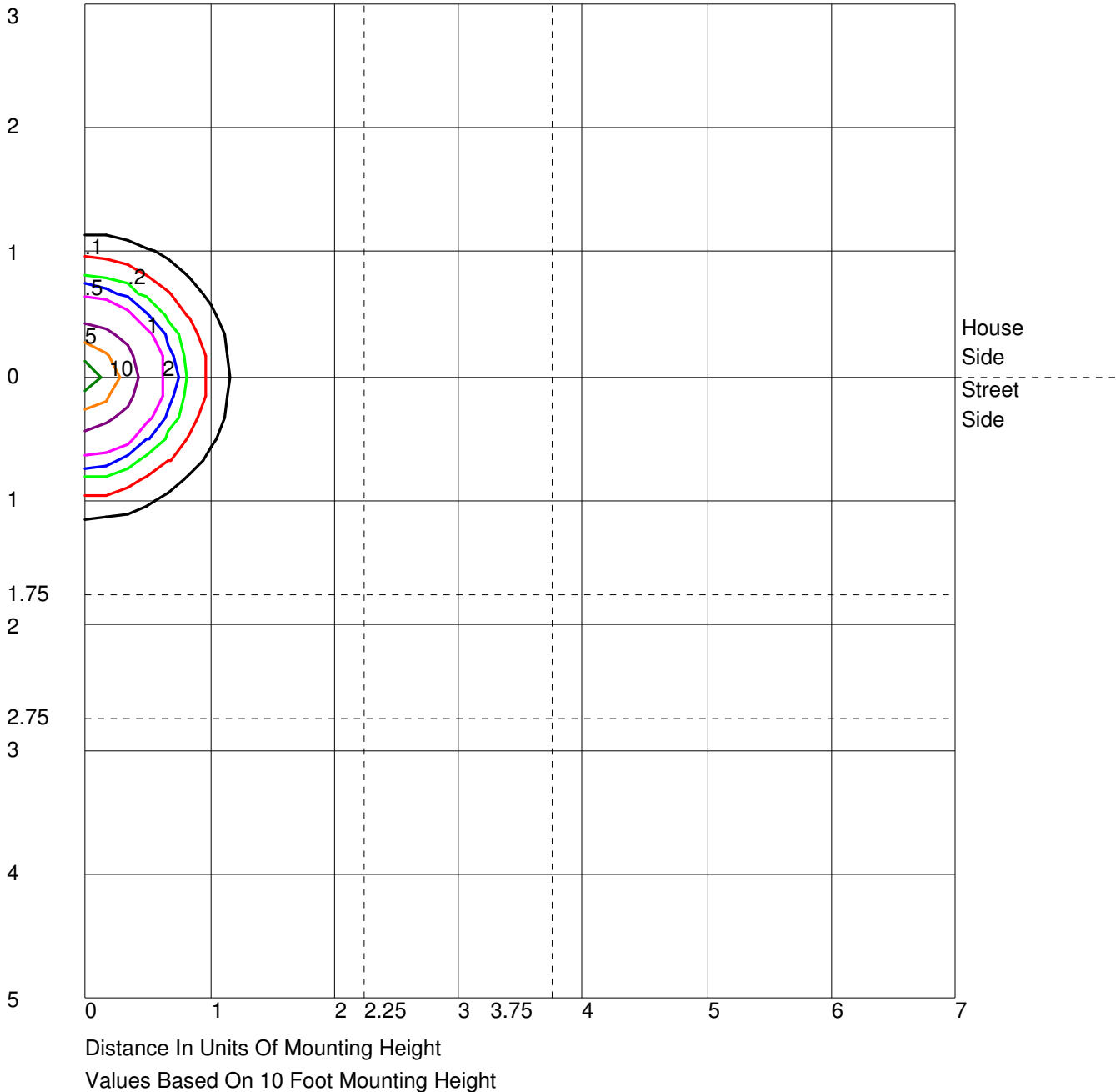
POLAR GRAPH



Maximum Candela = 2822.984 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



# PHOTO IES R

