

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-930-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-L10-930-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	920
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2710.064
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2710.064
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.083 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.821 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-930-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	360.5	N.A.	39.2
FM - Front-Medium (30-60)	92.2	N.A.	10.0
FH - Front-High (60-80)	6.8	N.A.	0.7
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	360.5	N.A.	39.2
BM - Back-Medium (30-60)	92.2	N.A.	10.0
BH - Back-High (60-80)	6.8	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	919.7	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	2710.064	2710.064	2710.064	2710.064	2710.064
1	2692.632	2691.876	2692.344	2692.321	2691.339
2	2645.083	2644.376	2644.048	2644.224	2643.229
3	2568.961	2567.462	2567.167	2567.685	2565.506
4	2464.321	2463.492	2462.112	2462.424	2461.074
5	2333.566	2333.055	2334.783	2334.949	2335.669
6	2185.866	2185.352	2187.936	2191.150	2193.952
7	2026.563	2027.405	2032.307	2037.673	2039.839
8	1861.106	1863.425	1869.779	1877.629	1880.173
9	1699.623	1701.693	1709.334	1719.380	1724.000
10	1545.968	1548.017	1556.853	1567.127	1572.911
11	1402.968	1404.709	1413.107	1423.909	1430.243
12	1272.379	1274.505	1282.414	1292.872	1297.412
13	1155.885	1158.140	1166.491	1177.718	1179.436
14	1053.380	1056.959	1065.253	1072.178	1075.349
15	966.947	967.359	973.209	980.907	985.135
16	886.140	888.620	896.547	903.568	909.097
17	820.256	822.233	827.042	834.106	837.691
18	764.190	765.812	770.060	776.289	779.121
19	717.218	718.471	722.123	726.776	729.734
20	678.052	678.497	681.266	684.782	687.196
21	643.955	643.557	645.835	648.631	650.668
22	614.965	613.104	615.068	617.137	619.157
23	588.983	586.310	587.932	589.318	591.603
24	564.338	562.391	562.872	563.996	566.411
25	541.852	540.024	539.553	540.293	542.203
26	519.604	517.923	516.540	517.332	518.699
27	497.135	494.776	493.138	493.301	495.155
28	472.217	469.481	466.533	466.573	468.344
29	442.644	441.131	437.808	437.931	440.455
30	411.481	409.399	403.449	404.593	406.818
31	372.707	370.817	366.220	366.091	368.476
32	329.237	328.325	324.647	326.123	327.417
33	283.240	282.892	280.504	282.965	284.414
34	237.094	237.425	236.699	239.574	240.888
35	193.919	194.357	195.192	198.814	199.663
36	156.040	156.279	158.820	162.670	163.662
37	124.268	125.747	128.152	132.669	132.536
38	99.507	101.450	104.710	107.141	107.655
39	83.657	83.182	85.978	88.363	88.877
40	69.684	70.822	73.684	75.183	76.556
41	61.486	62.156	63.698	64.726	65.286
42	55.665	56.023	57.181	57.831	58.139
43	51.188	51.417	52.342	52.717	53.052
44	47.450	47.679	48.329	48.647	48.780
45	44.157	44.409	44.992	45.148	45.294
46	41.105	41.374	41.865	42.074	42.193
47	38.227	38.475	38.950	39.162	39.278
48	35.510	35.762	36.210	36.456	36.572
49	32.973	33.199	33.620	33.879	33.988
50	30.585	30.768	31.189	31.441	31.554
51	28.353	28.529	28.917	29.176	29.292
52	26.280	26.430	26.794	27.056	27.146

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53	24.343	24.489	24.824	25.090	25.169
54	22.563	22.692	22.987	23.236	23.322
55	20.871	20.977	21.269	21.485	21.584
56	19.226	19.329	19.601	19.803	19.896
57	17.667	17.770	18.022	18.201	18.294
58	16.264	16.354	16.583	16.745	16.838
59	14.971	15.047	15.253	15.405	15.495
60	13.777	13.850	14.042	14.172	14.255
61	12.696	12.755	12.931	13.047	13.107
62	11.707	11.767	11.916	12.023	12.072
63	10.802	10.855	10.994	11.081	11.120
64	9.986	10.013	10.145	10.218	10.242
65	9.233	9.253	9.373	9.429	9.452
66	8.524	8.547	8.640	8.696	8.706
67	7.870	7.893	7.976	8.019	8.029
68	7.267	7.290	7.356	7.393	7.396
69	6.706	6.713	6.779	6.806	6.802
70	6.175	6.182	6.235	6.255	6.248
71	5.675	5.675	5.718	5.734	5.721
72	5.207	5.194	5.230	5.240	5.237
73	4.743	4.733	4.763	4.766	4.756
74	4.295	4.288	4.308	4.315	4.305
75	3.867	3.857	3.870	3.880	3.867
76	3.443	3.433	3.443	3.449	3.443
77	3.021	3.018	3.031	3.031	3.031
78	2.610	2.607	2.620	2.620	2.627
79	2.199	2.196	2.215	2.219	2.222
80	1.788	1.788	1.808	1.821	1.817
81	1.347	1.360	1.370	1.380	1.373
82	0.783	0.803	0.823	0.819	0.826
83	0.391	0.391	0.425	0.441	0.468
84	0.355	0.355	0.358	0.355	0.355
85	0.328	0.328	0.328	0.328	0.328
86	0.292	0.295	0.295	0.292	0.295
87	0.249	0.249	0.252	0.249	0.249
88	0.192	0.196	0.196	0.192	0.192
89	0.129	0.129	0.129	0.129	0.129
90	0.073	0.076	0.080	0.083	0.083
91	0.070	0.073	0.070	0.070	0.066
92	0.073	0.073	0.073	0.073	0.066
93	0.073	0.073	0.073	0.073	0.066
94	0.073	0.076	0.076	0.073	0.070
95	0.076	0.076	0.076	0.073	0.073
96	0.076	0.080	0.080	0.076	0.080
97	0.083	0.083	0.083	0.083	0.083
98	0.086	0.086	0.083	0.086	0.086
99	0.090	0.093	0.090	0.086	0.090
100	0.090	0.093	0.093	0.090	0.090
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

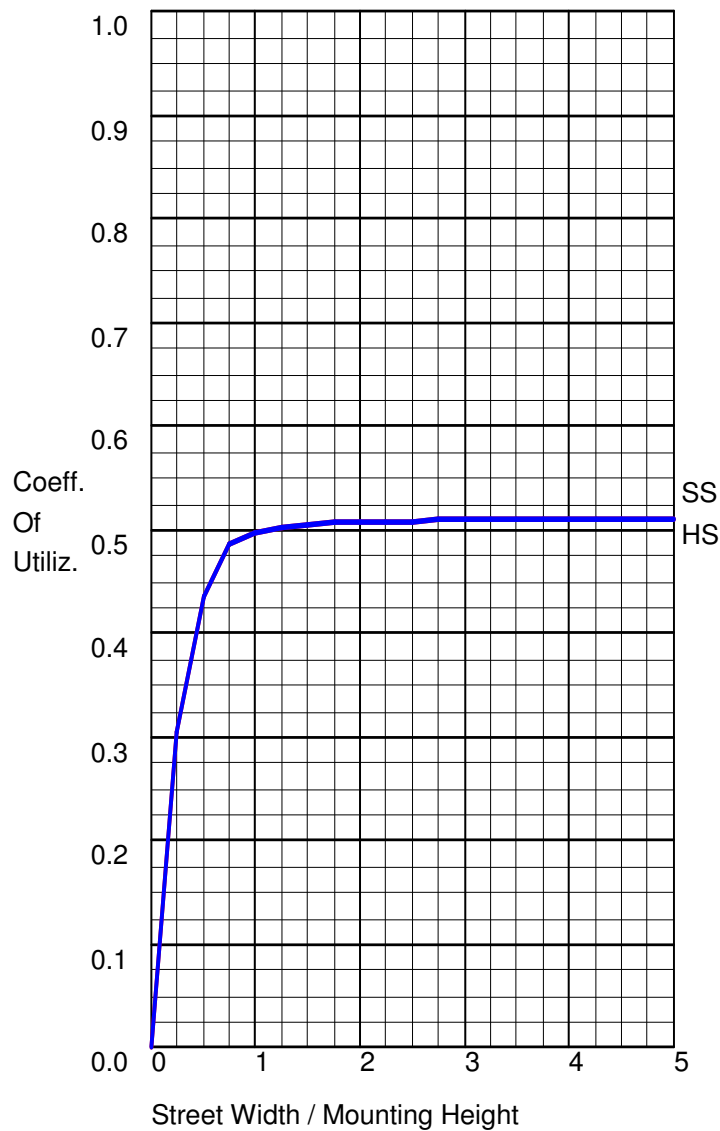
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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

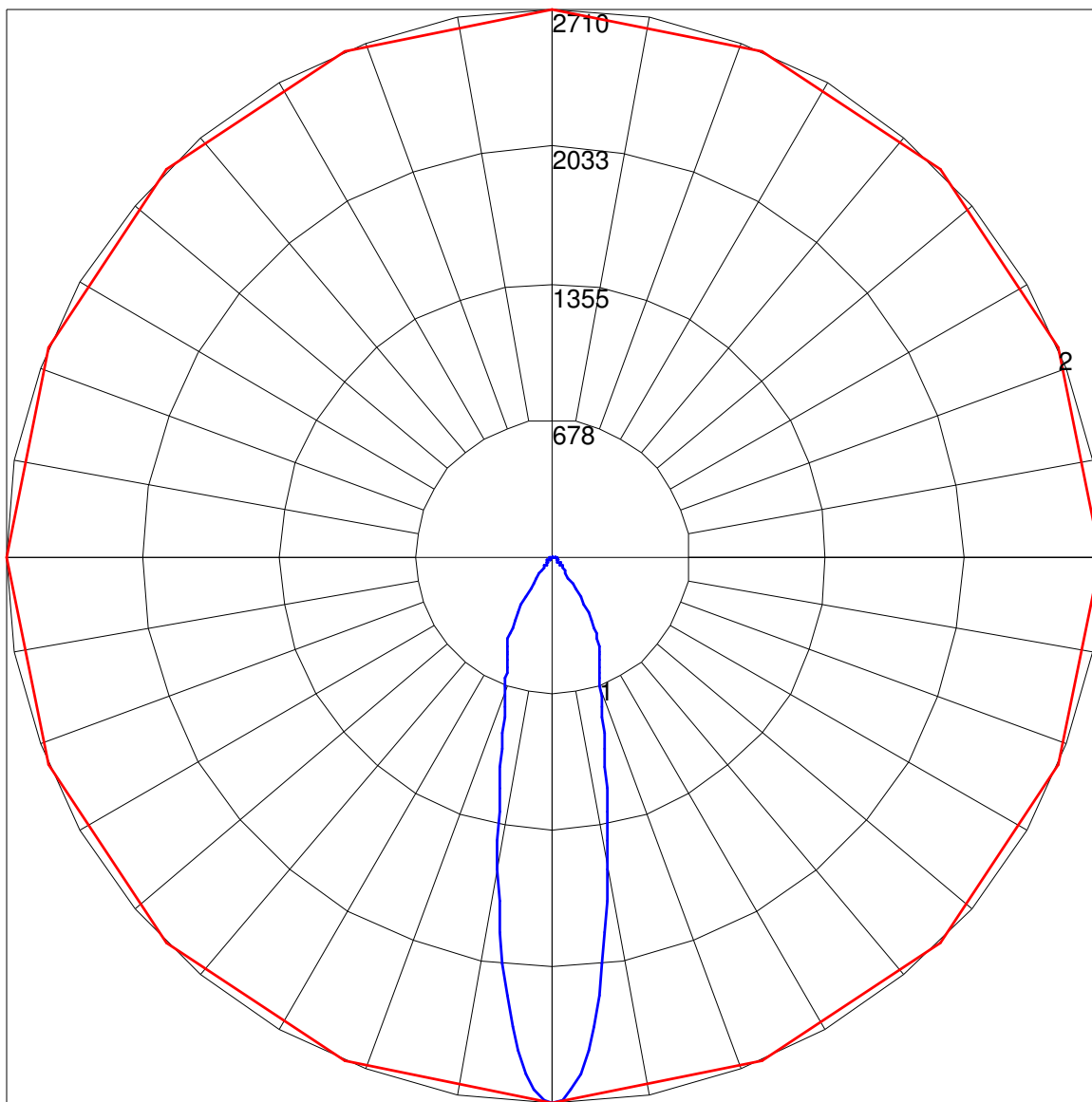
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	459.7	50.0
Downward House Side	459.7	50.0
Downward Total	919.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	919.4	100.0

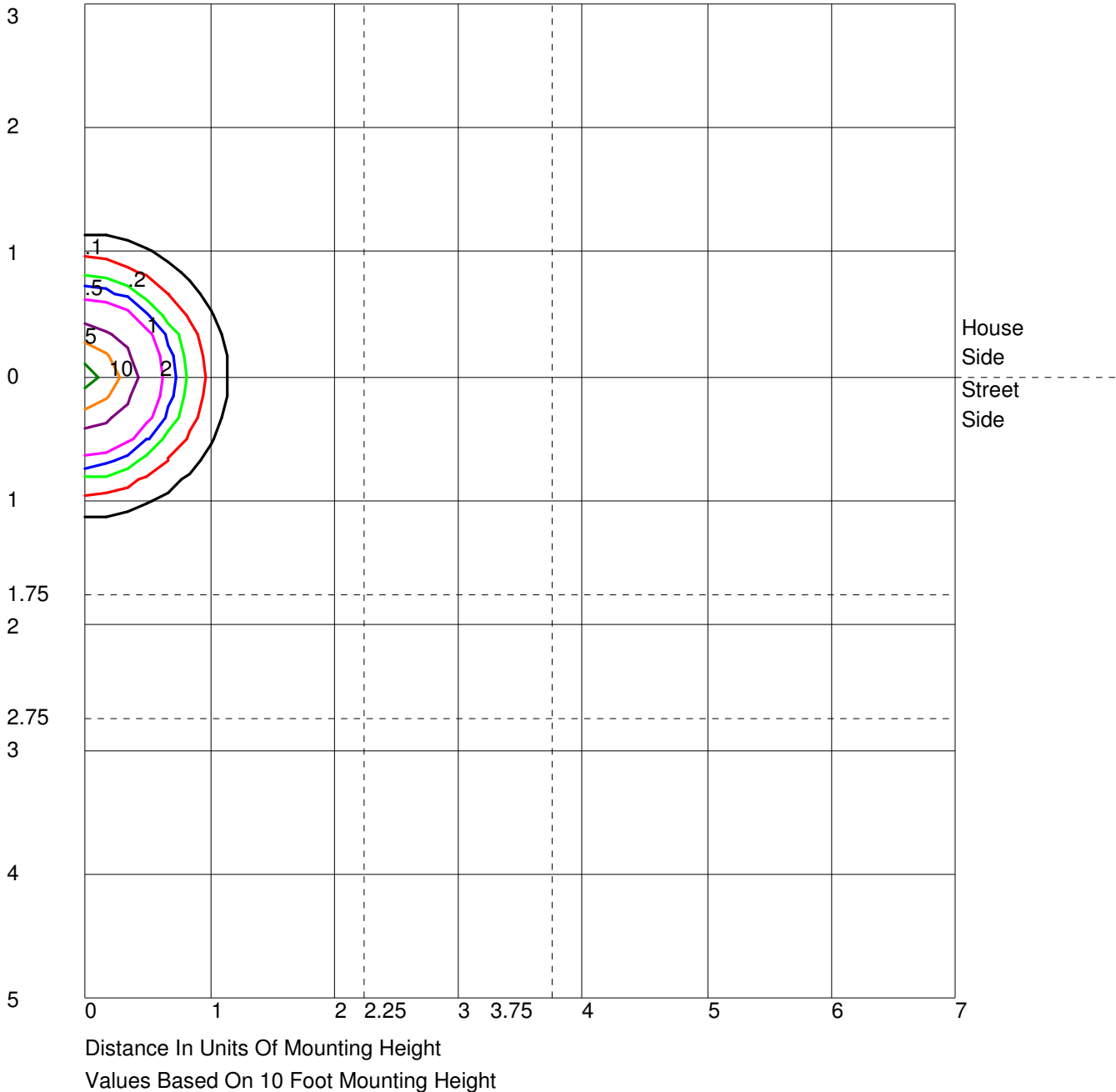
POLAR GRAPH



Maximum Candela = 2710.064 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

