

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CR-XX-L25-850-XXX-DIM-UNV-N-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] W4CR\_BARBARA-NARROW  
[TESTLAB] LEDIL Inc  
[TESTDATE] 07/03/2025  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMINAIRE] 4 INCH ROUND OUTDOOR LED CYLINDER  
[MORE] NARROW DIST. W/MICROPRISIM LENS  
[LUMCAT] W4CR-xx-L25-850-xxx-DIM-UNV-N-xxx  
[MORE] 0-10V LED DRIVER

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2671
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	23.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7575.132
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	7575.132
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.244 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.221 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CR-XX-L25-850-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1174.0	N.A.	44.0
FM - Front-Medium (30-60)	153.3	N.A.	5.7
FH - Front-High (60-80)	7.6	N.A.	0.3
FVH - Front-Very High (80-90)	0.4	N.A.	0.0
BL - Back-Low (0-30)	1174.0	N.A.	44.0
BM - Back-Medium (30-60)	153.3	N.A.	5.7
BH - Back-High (60-80)	7.6	N.A.	0.3
BVH - Back-Very High (80-90)	0.4	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2670.8	N.A.	100.0
BUG Rating	B3-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	7575.132	7575.132	7575.132	7575.132	7575.132
1	7566.141	7565.798	7564.332	7563.961	7566.720
2	7528.975	7526.768	7525.312	7513.191	7510.668
3	7459.581	7448.302	7450.201	7443.101	7446.710
4	7348.833	7342.628	7336.332	7328.662	7335.003
5	7194.948	7204.391	7185.686	7173.900	7189.467
6	7004.323	7010.898	6997.150	6991.886	7002.921
7	6790.641	6781.569	6772.207	6773.935	6782.537
8	6530.558	6517.343	6513.797	6511.952	6524.733
9	6227.656	6219.976	6210.425	6210.406	6234.168
10	5888.645	5879.962	5873.693	5873.214	5903.633
11	5508.669	5501.397	5505.440	5512.314	5539.639
12	5098.935	5094.711	5104.642	5116.582	5152.328
13	4669.925	4673.923	4689.987	4706.395	4739.374
14	4236.267	4243.883	4271.687	4292.256	4317.437
15	3811.237	3824.823	3860.913	3884.367	3908.382
16	3405.546	3426.576	3467.532	3499.443	3511.880
17	3039.916	3061.452	3109.662	3134.944	3142.442
18	2712.908	2721.790	2775.238	2801.052	2809.012
19	2403.176	2429.407	2484.519	2505.703	2513.355
20	2143.690	2170.808	2219.443	2250.332	2257.378
21	1924.392	1947.638	1995.640	2019.637	2017.231
22	1740.396	1763.841	1805.467	1825.122	1821.287
23	1590.012	1607.279	1645.052	1662.445	1655.879
24	1461.300	1475.791	1512.206	1524.697	1517.850
25	1349.060	1364.373	1397.351	1407.192	1398.301
26	1248.360	1263.592	1292.962	1301.256	1293.514
27	1154.915	1166.213	1194.045	1201.127	1194.443
28	1060.512	1068.960	1093.400	1099.460	1094.955
29	964.941	972.177	989.381	996.961	995.170
30	865.409	868.213	883.318	891.576	889.342
31	760.314	761.996	772.986	780.385	780.502
32	657.136	656.159	663.151	670.812	670.984
33	552.177	550.431	556.473	563.203	562.443
34	451.568	450.862	454.842	460.676	460.848
35	363.640	358.657	362.555	365.178	363.785
36	279.376	278.218	280.272	281.737	279.032
37	210.525	210.977	208.824	208.707	211.692
38	156.155	158.479	153.423	154.626	155.214
39	114.493	113.353	114.122	112.024	111.580
40	87.647	83.640	83.785	83.658	83.640
41	63.795	63.858	64.989	65.432	66.183
42	50.915	51.485	53.239	54.234	55.474
43	43.814	44.348	46.266	47.595	48.590
44	40.151	40.549	42.413	43.805	44.439
45	38.523	38.794	40.622	41.734	42.250
46	37.989	38.333	39.925	40.784	41.255
47	38.161	38.496	39.826	40.513	40.983
48	38.623	38.849	39.979	40.477	40.983
49	38.894	39.138	40.088	40.432	40.875
50	38.921	39.111	39.961	40.224	40.558
51	38.496	38.641	39.437	39.636	39.871
52	37.338	37.519	38.216	38.315	38.460

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53	35.602	35.755	36.416	36.407	36.497
54	33.385	33.566	34.127	34.037	34.145
55	30.907	31.016	31.522	31.387	31.450
56	28.221	28.275	28.628	28.537	28.555
57	25.362	25.426	25.643	25.589	25.552
58	22.631	22.676	22.785	22.739	22.703
59	20.098	20.080	20.107	20.053	20.035
60	17.792	17.756	17.710	17.701	17.692
61	15.802	15.738	15.684	15.648	15.666
62	14.101	14.011	13.966	13.929	13.948
63	12.690	12.618	12.527	12.500	12.537
64	11.496	11.442	11.370	11.324	11.388
65	10.547	10.492	10.429	10.366	10.438
66	9.696	9.669	9.597	9.552	9.633
67	8.991	8.964	8.882	8.855	8.937
68	8.331	8.312	8.249	8.204	8.303
69	7.734	7.725	7.643	7.607	7.697
70	7.182	7.164	7.082	7.028	7.100
71	6.630	6.630	6.522	6.458	6.503
72	6.105	6.096	5.979	5.897	5.952
73	5.572	5.563	5.427	5.328	5.373
74	5.011	5.002	4.857	4.740	4.785
75	4.423	4.378	4.251	4.116	4.152
76	3.745	3.690	3.537	3.428	3.464
77	2.976	2.940	2.741	2.659	2.659
78	2.080	2.062	1.863	1.755	1.773
79	1.348	1.366	1.312	1.321	1.321
80	1.221	1.221	1.203	1.203	1.203
81	1.140	1.140	1.140	1.149	1.140
82	1.085	1.076	1.076	1.085	1.085
83	1.013	1.004	1.004	1.004	1.013
84	0.932	0.923	0.923	0.932	0.932
85	0.841	0.841	0.841	0.841	0.841
86	0.742	0.733	0.733	0.733	0.742
87	0.615	0.615	0.615	0.615	0.615
88	0.479	0.479	0.479	0.470	0.470
89	0.335	0.326	0.326	0.326	0.326
90	0.244	0.226	0.226	0.217	0.208
91	0.226	0.217	0.208	0.199	0.199
92	0.226	0.217	0.208	0.208	0.199
93	0.226	0.217	0.217	0.208	0.208
94	0.226	0.217	0.217	0.208	0.208
95	0.226	0.217	0.217	0.208	0.217
96	0.235	0.217	0.217	0.208	0.208
97	0.235	0.226	0.217	0.217	0.217
98	0.235	0.226	0.226	0.226	0.226
99	0.253	0.226	0.226	0.226	0.226
100	0.253	0.235	0.226	0.226	0.226
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

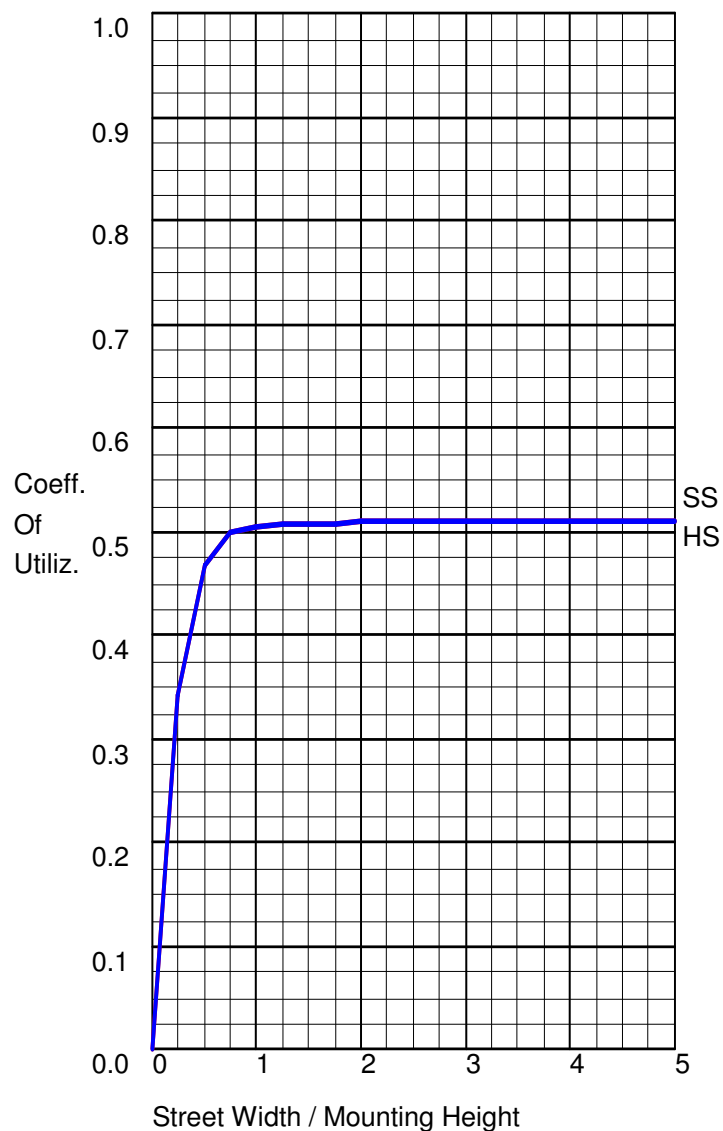
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CR-XX-L25-850-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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

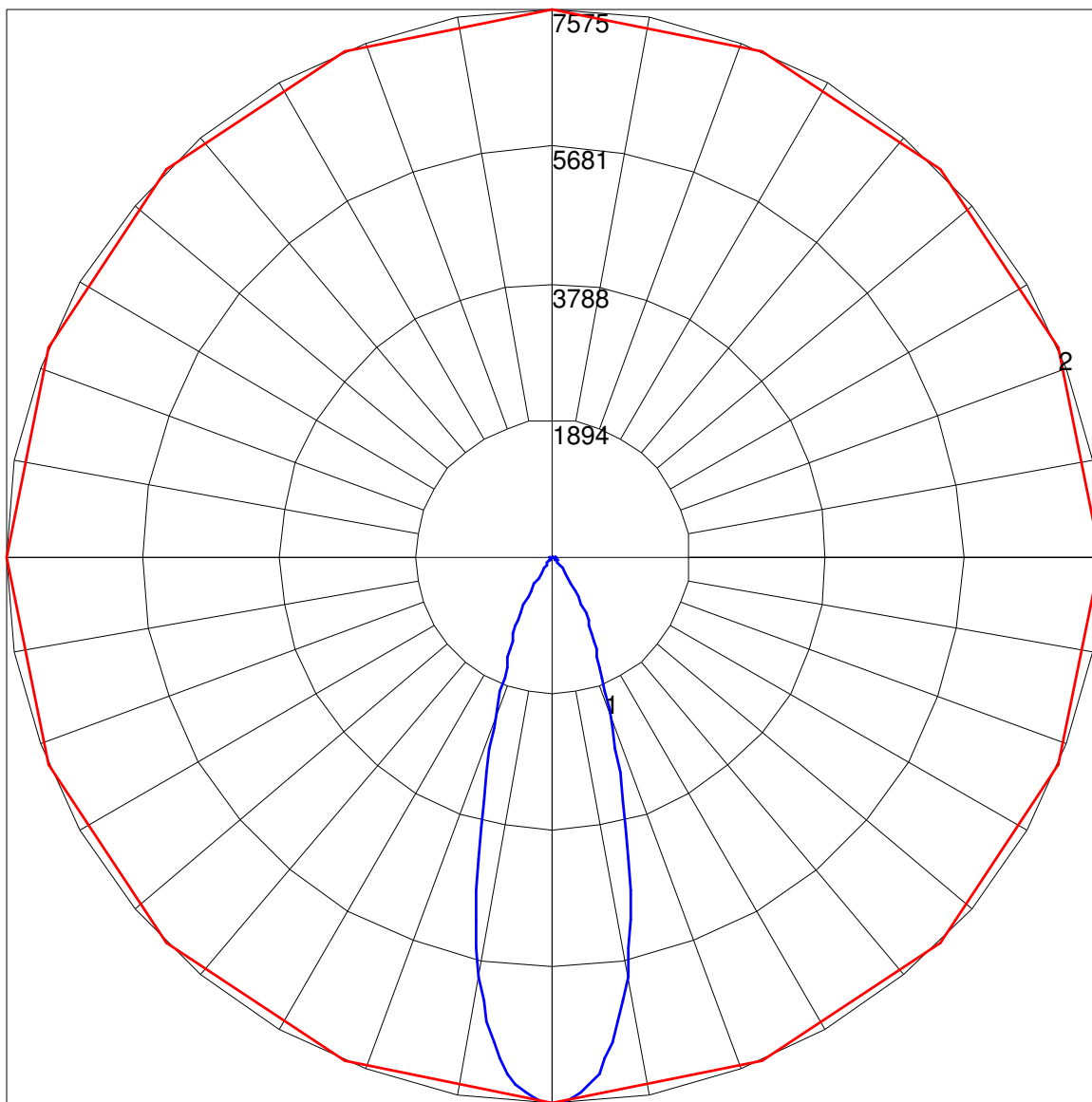
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1335.3	50.0
Downward House Side	1335.3	50.0
Downward Total	2670.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2670.8	100.0

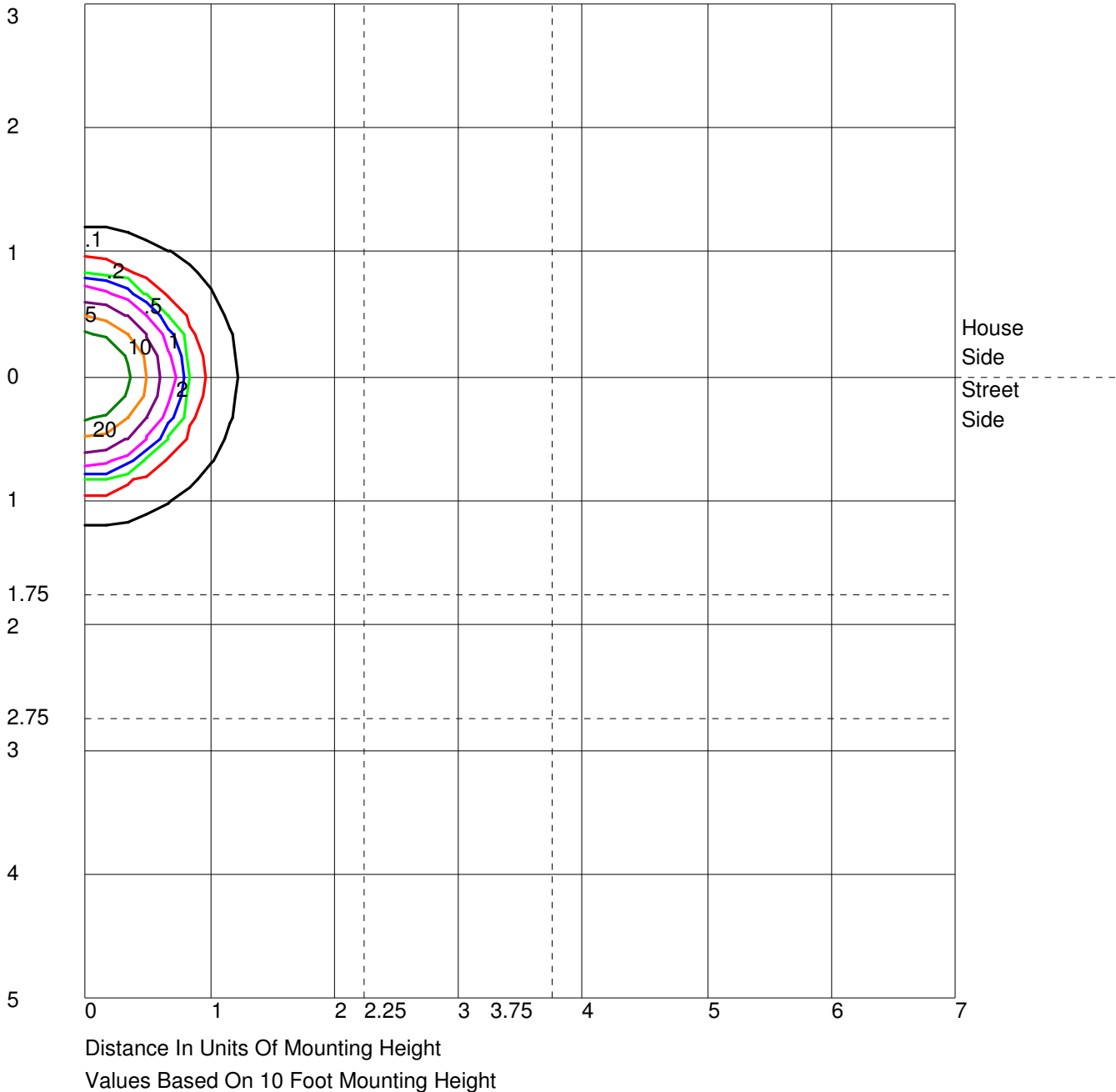
POLAR GRAPH



Maximum Candela = 7575.132 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

