

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-S-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] W6CR\_Angela-S\_(V18)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L40-927-xxx-DIM-UNV-S-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH SPOT DISTRIBUTION  
[LAMPCAT] BL VERO  
[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	3767
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	37385.735
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	37385.735
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.266 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.11 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-S-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1665.2	N.A.	44.2
FM - Front-Medium (30-60)	199.1	N.A.	5.3
FH - Front-High (60-80)	18.3	N.A.	0.5
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1665.2	N.A.	44.2
BM - Back-Medium (30-60)	199.1	N.A.	5.3
BH - Back-High (60-80)	18.3	N.A.	0.5
BVH - Back-Very High (80-90)	0.9	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	3767.3	N.A.	100.0
BUG Rating	B3-U1-G0		

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## CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	0.0	22.5	45.0	67.5	90.0
0	37385.7353	37385.7353	37385.7353	37385.7353	37385.7353
1	36742.6683	6757.2473	6758.7593	6763.1143	6766.962
2	35189.3463	5109.9063	5235.0313	5155.9903	5226.259
3	32653.4693	2627.7113	2651.1583	2834.0423	2785.078
4	29069.1472	9397.6142	9465.2452	9460.4422	9529.017
5	25307.5802	5351.8862	5446.6422	5733.2592	5751.395
6	21025.8442	1101.8962	1474.5352	1658.2532	1873.851
7	17035.4921	6946.6391	7299.7991	7714.5891	7749.312
8	13104.4351	3288.0321	3667.4211	3951.8001	4078.775
9	9990.593	10165.6121	0459.9361	0780.3571	0934.143
10	7584.184	7652.456	8002.567	8278.767	8416.353
11	5768.793	5843.007	6120.586	6393.362	6459.505
12	4472.689	4572.600	4785.004	4932.232	5010.619
13	3659.575	3646.908	3776.158	3917.119	3985.936
14	2943.287	2970.267	3094.290	3232.771	3254.392
15	2498.202	2513.422	2638.558	2690.498	2786.936
16	2185.222	2194.671	2266.210	2330.926	2363.060
17	1963.224	1969.321	2023.475	2075.463	2102.273
18	1805.965	1810.575	1852.206	1894.927	1915.083
19	1698.711	1702.945	1736.326	1766.802	1789.765
20	1632.447	1628.902	1653.426	1677.236	1694.101
21	1579.334	1579.563	1594.796	1612.411	1627.595
22	1545.252	1541.888	1554.652	1564.779	1580.592
23	1517.159	1510.770	1520.752	1529.173	1543.884
24	1488.811	1482.375	1488.376	1493.832	1509.040
25	1457.863	1453.048	1454.149	1459.327	1472.611
26	1422.112	1416.764	1415.663	1420.394	1431.500
27	1380.299	1372.168	1369.289	1372.180	1385.187
28	1324.887	1315.643	1309.159	1311.808	1325.855
29	1252.646	1244.612	1231.074	1235.417	1248.157
30	1159.172	1151.973	1135.253	1139.911	1150.739
31	1042.262	1036.370	1020.231	1025.409	1036.056
32	906.128	903.237	889.650	897.780	906.903
33	758.259	757.847	748.689	759.045	768.240
34	608.102	610.304	606.711	618.374	625.742
35	467.843	472.622	471.920	488.834	490.286
36	345.707	348.526	357.067	367.811	372.868
37	250.345	245.578	261.803	272.498	284.415
38	172.587	170.978	182.048	193.058	196.349
39	115.953	124.181	132.069	137.767	140.356
40	84.582	88.659	94.696	102.911	102.451
41	67.317	69.241	73.390	76.621	78.302
42	58.013	58.533	61.195	62.937	63.869
43	52.992	53.065	54.529	55.255	55.787
44	50.185	50.294	50.863	51.008	51.322
45	48.552	48.673	48.758	48.673	48.903
46	47.463	47.536	47.378	47.209	47.403
47	46.604	46.592	46.314	46.132	46.205
48	45.926	45.818	45.430	45.285	45.261
49	45.382	45.176	44.717	44.499	44.426
50	44.959	44.644	44.100	43.833	43.688
51	44.632	44.245	43.555	43.265	43.071
52	44.426	43.918	43.132	42.781	42.539

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

53	44.269	43.664	42.769	42.345	42.140
54	44.075	43.398	42.357	41.861	41.619
55	43.422	42.708	41.644	41.075	40.942
56	42.285	41.595	40.470	39.913	39.974
57	40.821	40.252	39.054	38.558	38.788
58	39.175	38.704	37.494	37.070	37.409
59	37.264	36.889	35.739	35.389	35.848
60	35.195	34.856	33.864	33.598	34.082
61	33.029	32.703	31.904	31.711	32.146
62	30.827	30.525	29.920	29.787	30.150
63	28.662	28.396	27.972	27.851	28.117
64	26.544	26.278	26.073	25.964	26.169
65	24.609	24.342	24.282	24.173	24.355
66	22.758	22.540	22.540	22.467	22.612
67	21.064	20.919	20.955	20.894	21.015
68	19.564	19.455	19.515	19.443	19.551
69	18.184	18.112	18.160	18.112	18.184
70	16.914	16.890	16.914	16.866	16.914
71	15.740	15.740	15.752	15.692	15.716
72	14.676	14.639	14.651	14.591	14.591
73	13.635	13.587	13.575	13.514	13.514
74	12.619	12.546	12.546	12.474	12.486
75	11.591	11.518	11.506	11.421	11.457
76	10.538	10.477	10.477	10.393	10.441
77	9.485	9.449	9.437	9.376	9.425
78	8.421	8.360	8.360	8.312	8.372
79	7.283	7.235	7.259	7.223	7.308
80	6.049	6.037	6.049	6.074	6.110
81	4.646	4.670	4.658	4.670	4.670
82	2.650	2.722	2.795	2.771	2.831
83	1.258	1.270	1.416	1.476	1.561
84	1.149	1.149	1.149	1.137	1.137
85	1.065	1.053	1.053	1.040	1.053
86	0.956	0.944	0.944	0.944	0.944
87	0.811	0.811	0.811	0.799	0.799
88	0.641	0.641	0.641	0.629	0.617
89	0.436	0.436	0.423	0.423	0.411
90	0.242	0.254	0.266	0.266	0.266
91	0.242	0.242	0.230	0.218	0.218
92	0.242	0.242	0.230	0.230	0.218
93	0.254	0.254	0.230	0.230	0.218
94	0.266	0.254	0.242	0.230	0.230
95	0.266	0.254	0.242	0.242	0.230
96	0.278	0.254	0.254	0.242	0.242
97	0.278	0.254	0.266	0.254	0.254
98	0.278	0.266	0.266	0.254	0.254
99	0.278	0.266	0.266	0.254	0.266
100	0.278	0.278	0.278	0.266	0.266
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

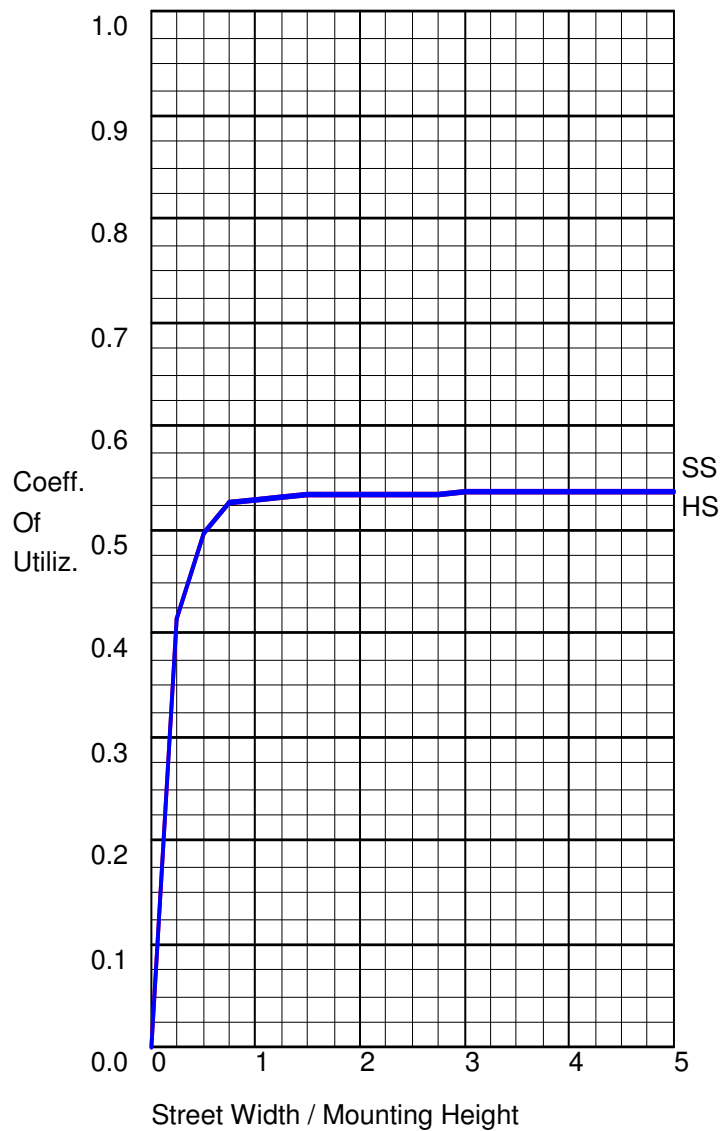
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

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

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-S-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

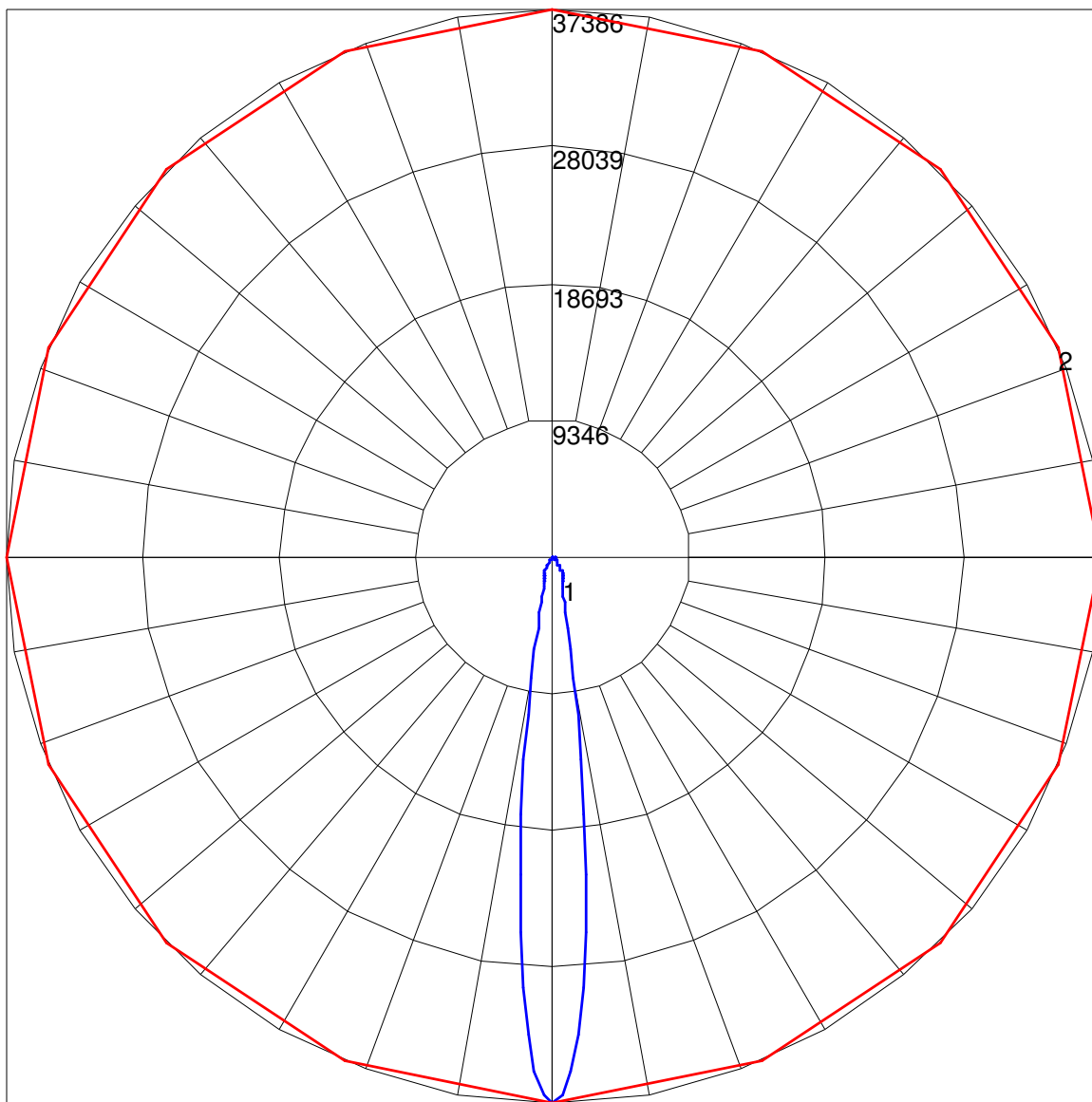
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1883.5	50.0
Downward House Side	1883.5	50.0
Downward Total	3767.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3767.2	100.0

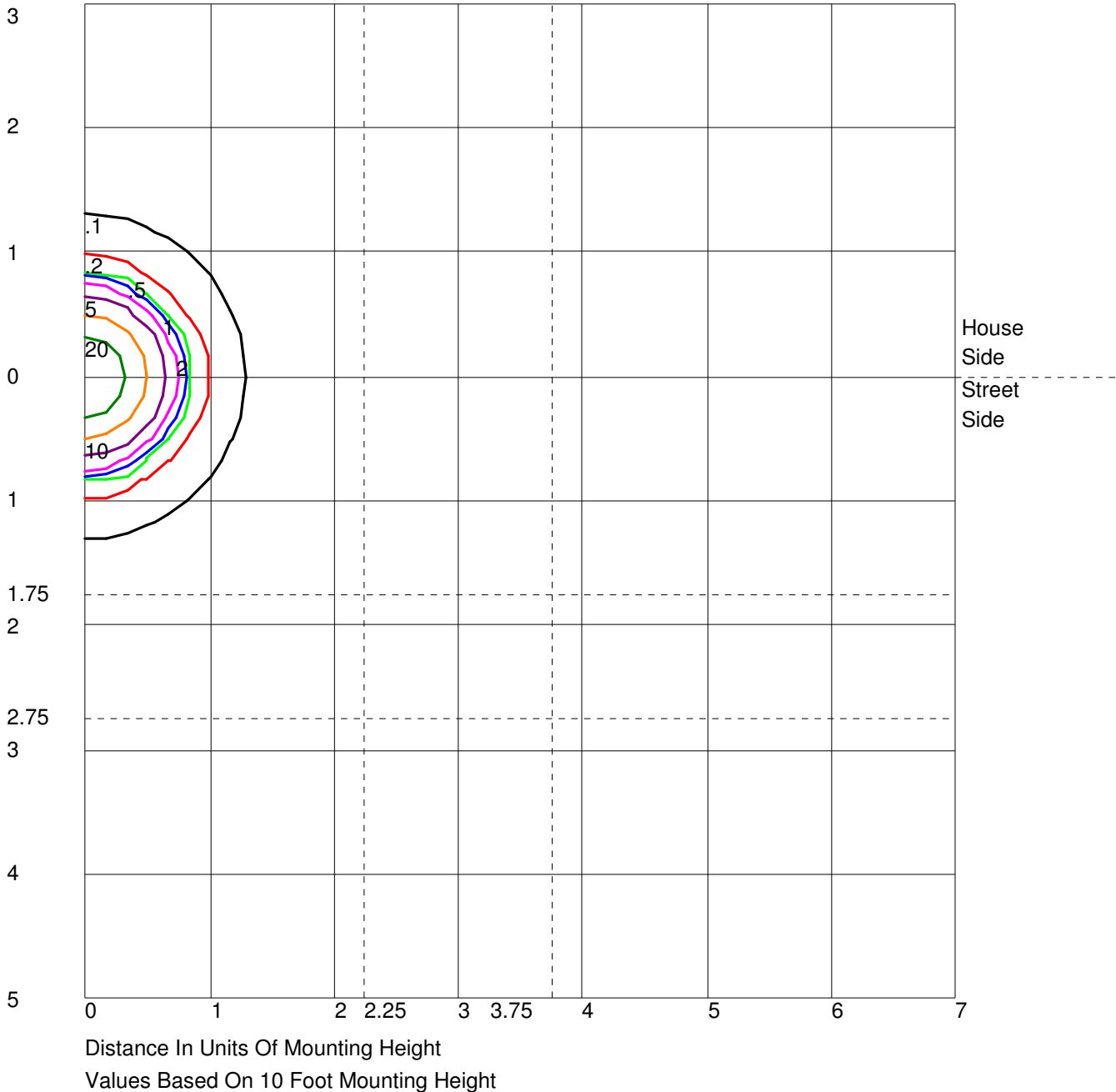
POLAR GRAPH



Maximum Candela = 37385.735 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

