

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-827-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-L20-827-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	2100
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	20840.043
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	20840.043
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.148 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.406 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-827-XXX-DIM-UNV-S-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	928.2	N.A.	44.2
FM - Front-Medium (30-60)	111.0	N.A.	5.3
FH - Front-High (60-80)	10.2	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	928.2	N.A.	44.2
BM - Back-Medium (30-60)	111.0	N.A.	5.3
BH - Back-High (60-80)	10.2	N.A.	0.5
BVH - Back-Very High (80-90)	0.5	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	2100.0	N.A.	100.0
BUG Rating	B2-U1-G0		

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## CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	0.0	22.5	45.0	67.5	90.0
0	20840.043	20840.043	20840.043	20840.043	20840.043
1	20481.576	20489.703	20490.546	20492.974	20495.119
2	19615.704	19571.421	19641.170	19597.110	19636.280
3	18202.122	18187.764	18200.834	18302.779	18275.485
4	16204.103	16387.201	16424.901	16422.223	16460.449
5	14107.281	14131.978	14184.799	14344.569	14354.678
6	11720.500	11762.894	11970.615	12073.025	12193.207
7	9496.146	9446.616	9643.479	9874.697	9894.053
8	7304.845	7407.188	7618.672	7777.194	7847.974
9	5569.087	5666.648	5830.714	6009.327	6095.052
10	4227.674	4265.732	4460.895	4614.858	4691.553
11	3215.716	3257.085	3411.817	3563.871	3600.742
12	2493.225	2548.918	2667.319	2749.389	2793.085
13	2039.968	2032.907	2104.955	2183.532	2221.893
14	1640.685	1655.725	1724.860	1802.053	1814.105
15	1392.580	1401.064	1470.819	1499.772	1553.530
16	1218.115	1223.382	1263.260	1299.335	1317.248
17	1094.366	1097.765	1127.952	1156.932	1171.877
18	1006.705	1009.274	1032.481	1056.295	1067.531
19	946.918	949.278	967.885	984.874	997.674
20	909.980	908.004	921.674	934.947	944.348
21	880.373	880.501	888.992	898.811	907.275
22	861.374	859.499	866.615	872.259	881.074
23	845.714	842.153	847.717	852.411	860.612
24	829.913	826.325	829.670	832.711	841.189
25	812.661	809.977	810.591	813.477	820.882
26	792.732	789.751	789.137	791.774	797.965
27	769.424	764.892	763.287	764.899	772.149
28	738.536	733.383	729.768	731.245	739.075
29	698.266	693.788	686.241	688.662	695.764
30	646.161	642.148	632.827	635.424	641.460
31	580.991	577.707	568.710	571.597	577.532
32	505.106	503.494	495.920	500.452	505.538
33	422.678	422.449	417.344	423.117	428.242
34	338.976	340.204	338.201	344.702	348.809
35	260.791	263.455	263.064	272.492	273.301
36	192.708	194.280	199.041	205.030	207.849
37	139.551	136.894	145.937	151.899	158.542
38	96.206	95.309	101.480	107.617	109.451
39	64.636	69.222	73.620	76.796	78.239
40	47.149	49.421	52.787	57.366	57.110
41	37.525	38.597	40.910	42.711	43.648
42	32.338	32.628	34.112	35.083	35.603
43	29.540	29.580	30.396	30.801	31.097
44	27.975	28.036	28.353	28.433	28.609
45	27.064	27.132	27.179	27.132	27.260
46	26.457	26.498	26.410	26.316	26.424
47	25.979	25.972	25.817	25.716	25.756
48	25.601	25.540	25.324	25.243	25.230
49	25.297	25.183	24.927	24.805	24.765
50	25.061	24.886	24.583	24.434	24.353
51	24.879	24.663	24.279	24.117	24.009
52	24.765	24.481	24.043	23.847	23.713

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-827-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

53	24.677	24.340	23.841	23.605	23.490
54	24.569	24.191	23.611	23.335	23.200
55	24.205	23.807	23.213	22.897	22.822
56	23.571	23.187	22.559	22.249	22.283
57	22.755	22.438	21.770	21.494	21.622
58	21.838	21.575	20.900	20.664	20.853
59	20.772	20.563	19.922	19.727	19.983
60	19.619	19.430	18.877	18.729	18.998
61	18.412	18.230	17.784	17.677	17.919
62	17.184	17.016	16.678	16.604	16.807
63	15.977	15.829	15.593	15.525	15.673
64	14.797	14.648	14.534	14.473	14.588
65	13.718	13.569	13.536	13.475	13.576
66	12.686	12.564	12.564	12.524	12.605
67	11.742	11.661	11.681	11.647	11.715
68	10.905	10.845	10.878	10.838	10.899
69	10.137	10.096	10.123	10.096	10.137
70	9.428	9.415	9.428	9.401	9.428
71	8.774	8.774	8.781	8.747	8.761
72	8.181	8.160	8.167	8.133	8.133
73	7.601	7.574	7.567	7.533	7.533
74	7.034	6.994	6.994	6.953	6.960
75	6.461	6.420	6.414	6.367	6.387
76	5.874	5.840	5.840	5.793	5.820
77	5.287	5.267	5.260	5.227	5.254
78	4.694	4.660	4.660	4.633	4.667
79	4.060	4.033	4.047	4.026	4.073
80	3.372	3.365	3.372	3.386	3.406
81	2.590	2.603	2.597	2.603	2.603
82	1.477	1.517	1.558	1.544	1.578
83	0.701	0.708	0.789	0.823	0.870
84	0.641	0.641	0.641	0.634	0.634
85	0.593	0.587	0.587	0.580	0.587
86	0.533	0.526	0.526	0.526	0.526
87	0.452	0.452	0.452	0.445	0.445
88	0.357	0.357	0.357	0.351	0.344
89	0.243	0.243	0.236	0.236	0.229
90	0.135	0.142	0.148	0.148	0.148
91	0.135	0.135	0.128	0.121	0.121
92	0.135	0.135	0.128	0.128	0.121
93	0.142	0.142	0.128	0.128	0.121
94	0.148	0.142	0.135	0.128	0.128
95	0.148	0.142	0.135	0.135	0.128
96	0.155	0.142	0.142	0.135	0.135
97	0.155	0.142	0.148	0.142	0.142
98	0.155	0.148	0.148	0.142	0.142
99	0.155	0.148	0.148	0.142	0.148
100	0.155	0.155	0.155	0.148	0.148
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

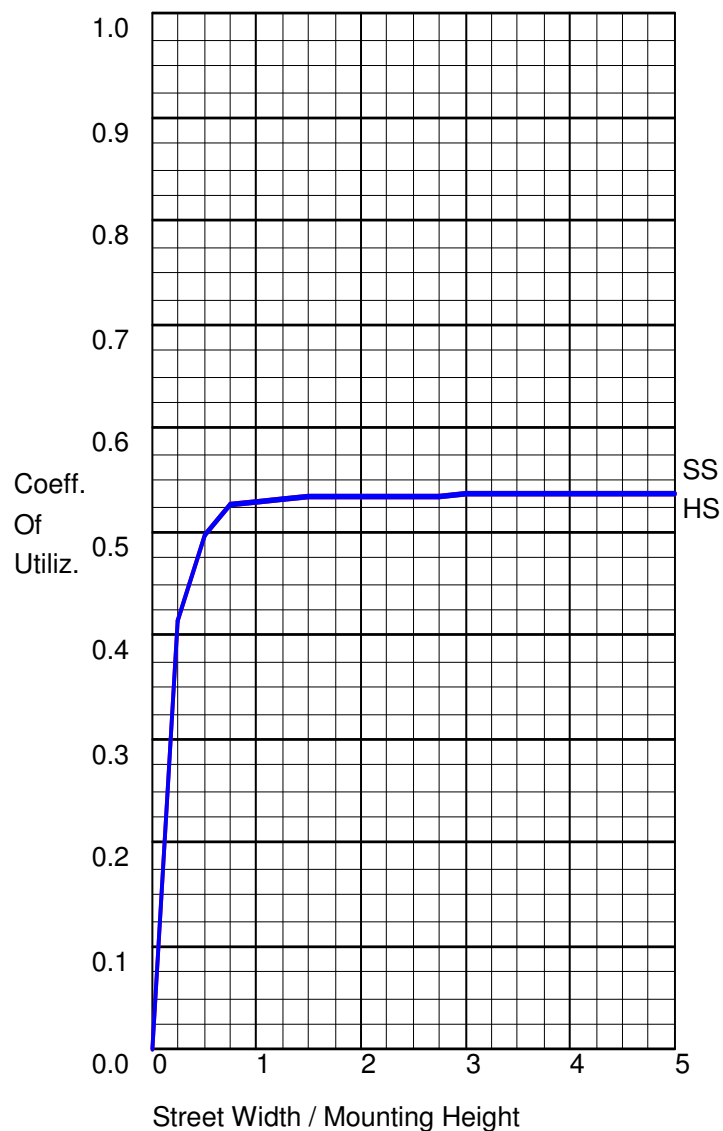
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-827-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

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

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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

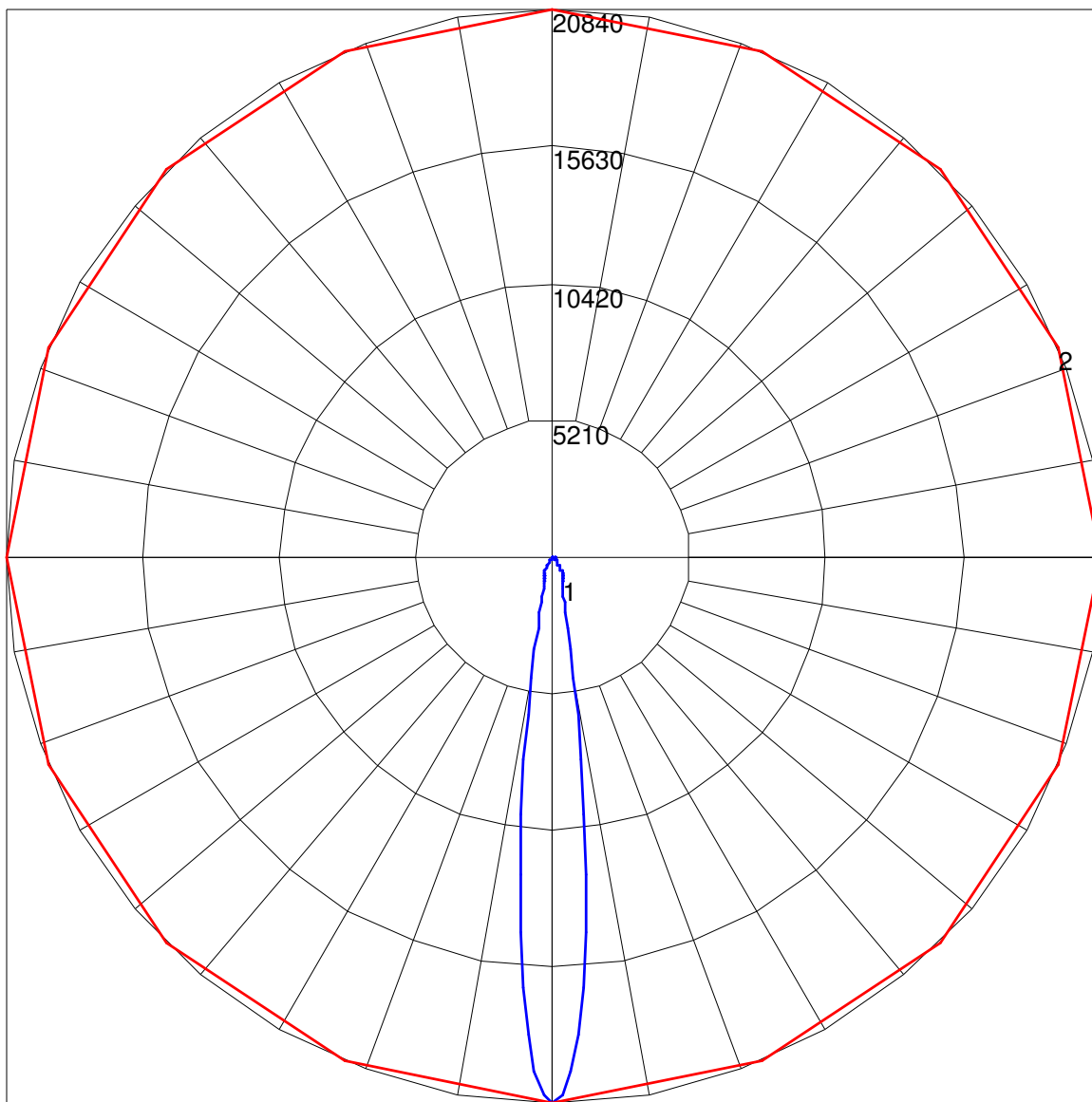
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1049.9	50.0
Downward House Side	1049.9	50.0
Downward Total	2099.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2100.0	100.0

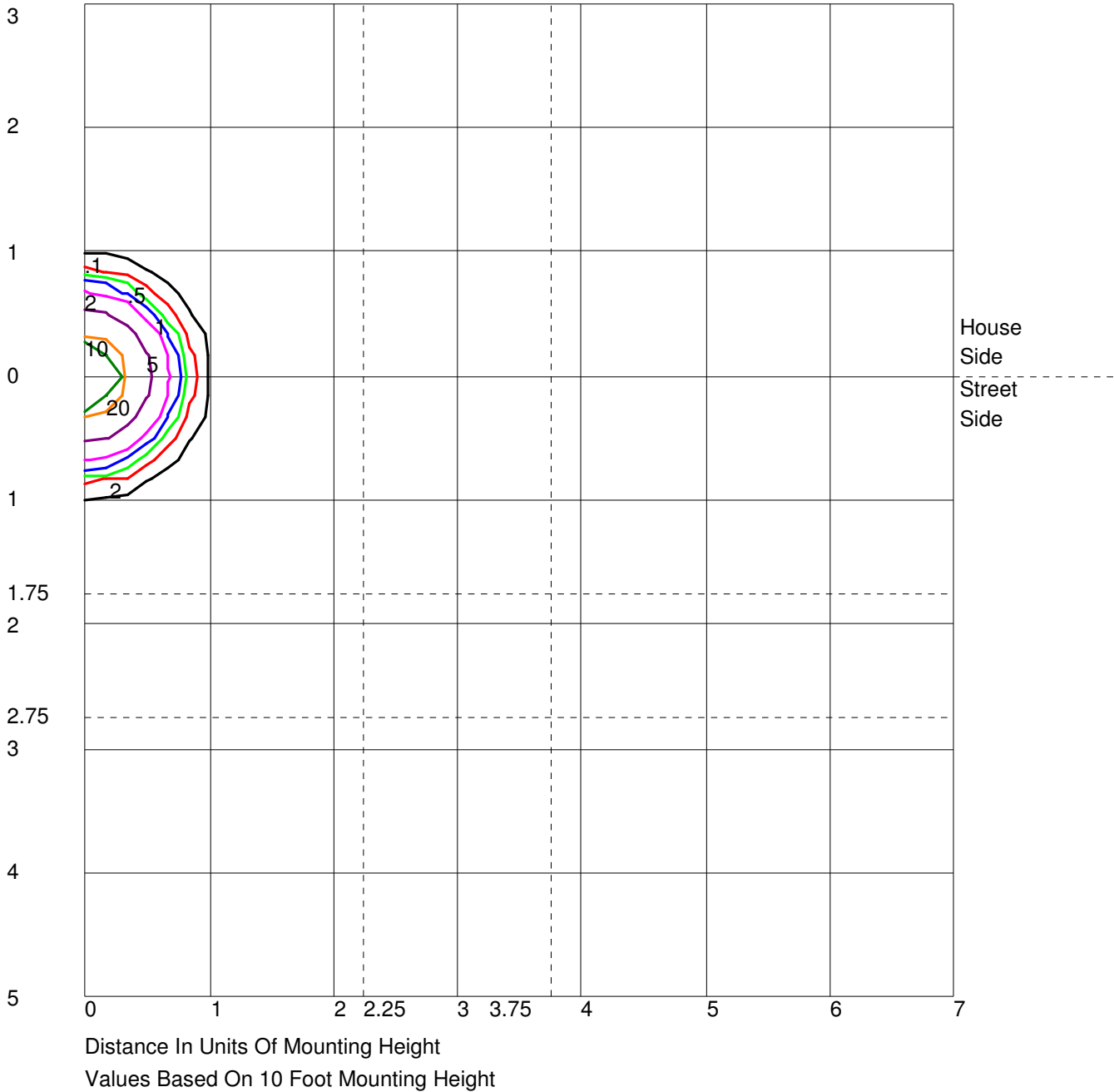
POLAR GRAPH



Maximum Candela = 20840.043 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

