

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-850-XXX-DIM-UNV-M-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM W6CR\_Angela-W\_(V18)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L40-850-xxx-DIM-UNV-M-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH MEDIUM DIST.  
[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	3648
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7767.397
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	7767.397
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.279 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.06 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-850-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1527.9	N.A.	41.9
FM - Front-Medium (30-60)	276.0	N.A.	7.6
FH - Front-High (60-80)	19.2	N.A.	0.5
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1527.9	N.A.	41.9
BM - Back-Medium (30-60)	276.0	N.A.	7.6
BH - Back-High (60-80)	19.2	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	3648.3	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	7749.786	7749.786	7749.786	7749.786	7749.786
1	7759.749	7759.555	7756.052	7753.555	7750.416
2	7767.397	7762.561	7752.998	7743.859	7734.563
3	7763.154	7757.276	7740.114	7723.025	7708.117
4	7749.604	7737.084	7711.135	7685.659	7670.230
5	7700.930	7685.707	7651.456	7616.792	7599.715
6	7615.968	7595.776	7548.944	7506.293	7484.550
7	7474.139	7449.414	7396.946	7354.089	7322.237
8	7275.902	7251.444	7198.770	7159.343	7118.741
9	7020.289	7001.721	6956.610	6920.771	6879.017
10	6715.723	6710.803	6673.121	6645.221	6613.721
11	6376.457	6380.275	6357.417	6337.576	6310.112
12	6020.078	6022.284	6014.139	6007.885	5981.597
13	5653.021	5655.615	5661.808	5662.777	5637.931
14	5276.207	5278.631	5299.005	5306.725	5285.503
15	4898.920	4903.829	4930.711	4945.631	4928.312
16	4528.482	4535.572	4563.339	4583.919	4570.926
17	4168.890	4184.610	4203.990	4231.188	4219.734
18	3828.315	3845.126	3863.694	3887.559	3880.577
19	3510.393	3522.077	3545.032	3566.243	3556.207
20	3224.977	3225.256	3248.005	3270.233	3263.143
21	2952.384	2953.014	2973.351	2995.834	2985.847
22	2713.230	2708.673	2730.162	2748.851	2743.639
23	2506.049	2498.801	2519.090	2533.113	2533.065
24	2323.544	2317.303	2333.483	2344.476	2345.348
25	2161.608	2158.335	2167.971	2178.746	2178.115
26	2020.021	2015.258	2019.124	2029.693	2025.232
27	1887.415	1880.312	1882.652	1889.596	1887.984
28	1757.039	1748.191	1745.440	1753.415	1763.935
29	1620.603	1614.785	1609.125	1613.428	1618.555
30	1481.561	1470.544	1459.648	1468.374	1471.223
31	1320.546	1313.128	1302.935	1308.122	1312.158
32	1149.458	1145.737	1135.472	1145.107	1145.992
33	971.499	970.178	963.512	973.705	976.007
34	795.430	796.388	793.782	804.314	805.756
35	632.972	633.736	634.802	647.662	647.783
36	491.494	494.839	497.845	512.620	510.729
37	373.954	378.486	386.522	394.849	395.079
38	291.343	286.034	295.537	307.438	305.014
39	219.580	223.555	235.542	237.348	245.165
40	179.377	180.420	185.947	191.025	193.909
41	149.817	152.689	156.507	157.695	158.931
42	131.200	131.891	134.691	137.018	136.000
43	117.553	118.147	119.928	120.219	119.892
44	106.924	107.651	108.645	108.414	107.808
45	98.076	98.888	99.482	98.936	98.367
46	90.283	91.010	91.507	90.828	90.258
47	83.047	83.786	84.210	83.556	82.841
48	76.526	77.217	77.605	76.963	76.223
49	70.684	71.254	71.593	70.975	70.200
50	65.352	65.788	66.127	65.533	64.794
51	60.564	60.964	61.219	60.673	59.982
52	56.286	56.601	56.783	56.334	55.631

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53	52.492	52.698	52.868	52.480	51.789
54	49.086	49.244	49.365	48.977	48.371
55	45.947	46.032	46.165	45.778	45.269
56	42.917	43.038	43.099	42.796	42.384
57	40.190	40.275	40.311	40.045	39.718
58	37.778	37.839	37.863	37.609	37.306
59	35.609	35.633	35.621	35.391	35.136
60	33.633	33.621	33.609	33.391	33.173
61	31.827	31.779	31.755	31.549	31.343
62	30.155	30.106	30.046	29.852	29.646
63	28.616	28.531	28.470	28.264	28.058
64	27.101	27.028	26.955	26.749	26.555
65	25.670	25.610	25.513	25.319	25.125
66	24.264	24.204	24.083	23.901	23.707
67	22.907	22.846	22.725	22.531	22.362
68	21.574	21.513	21.392	21.186	21.028
69	20.241	20.192	20.071	19.877	19.695
70	18.944	18.871	18.762	18.580	18.386
71	17.647	17.550	17.453	17.283	17.101
72	16.338	16.241	16.156	15.986	15.841
73	15.029	14.944	14.859	14.714	14.544
74	13.720	13.659	13.562	13.441	13.320
75	12.447	12.399	12.302	12.193	12.084
76	11.163	11.138	11.041	10.957	10.872
77	9.914	9.890	9.817	9.757	9.684
78	8.642	8.630	8.593	8.520	8.508
79	7.369	7.357	7.333	7.308	7.296
80	6.036	6.060	6.036	6.060	6.012
81	4.569	4.618	4.581	4.581	4.533
82	2.582	2.642	2.679	2.703	2.727
83	1.164	1.188	1.345	1.442	1.551
84	1.067	1.079	1.079	1.067	1.067
85	0.982	0.982	0.982	0.982	0.982
86	0.873	0.873	0.885	0.873	0.873
87	0.739	0.739	0.739	0.751	0.739
88	0.570	0.582	0.582	0.582	0.570
89	0.388	0.400	0.400	0.400	0.400
90	0.230	0.242	0.267	0.279	0.279
91	0.230	0.242	0.242	0.242	0.230
92	0.230	0.230	0.242	0.242	0.242
93	0.230	0.242	0.242	0.242	0.242
94	0.230	0.242	0.242	0.242	0.242
95	0.242	0.242	0.242	0.255	0.242
96	0.242	0.242	0.255	0.255	0.242
97	0.242	0.255	0.255	0.255	0.242
98	0.242	0.267	0.267	0.255	0.255
99	0.255	0.267	0.267	0.267	0.255
100	0.255	0.267	0.267	0.267	0.255
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

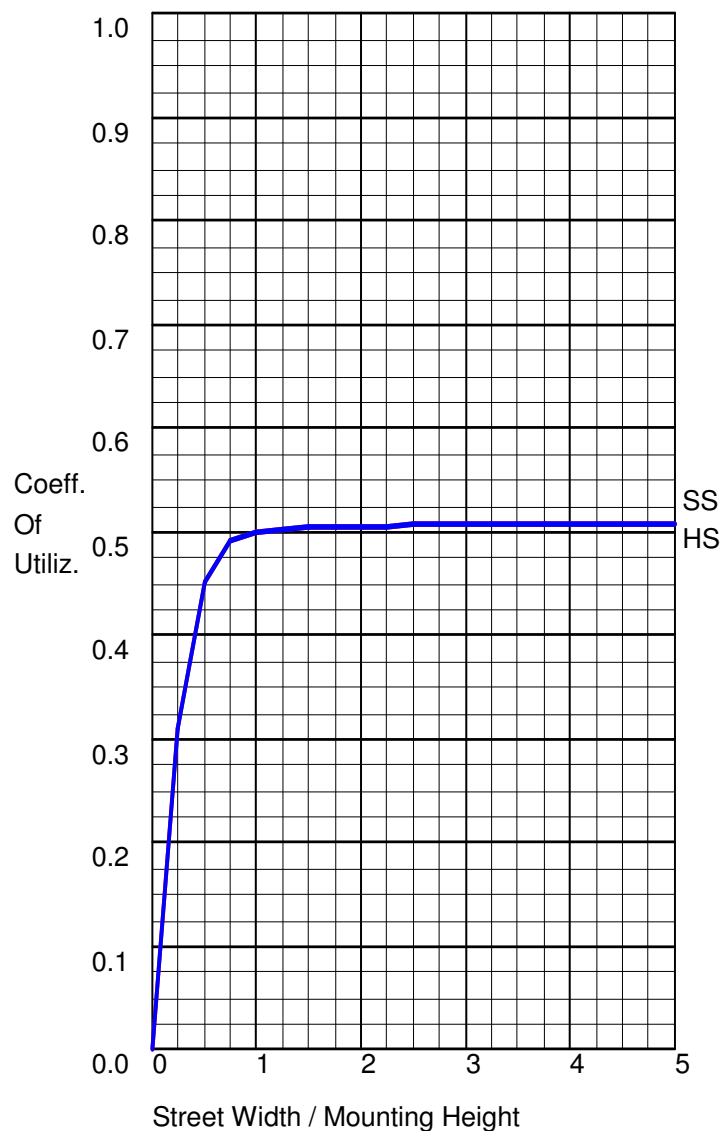
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-850-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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

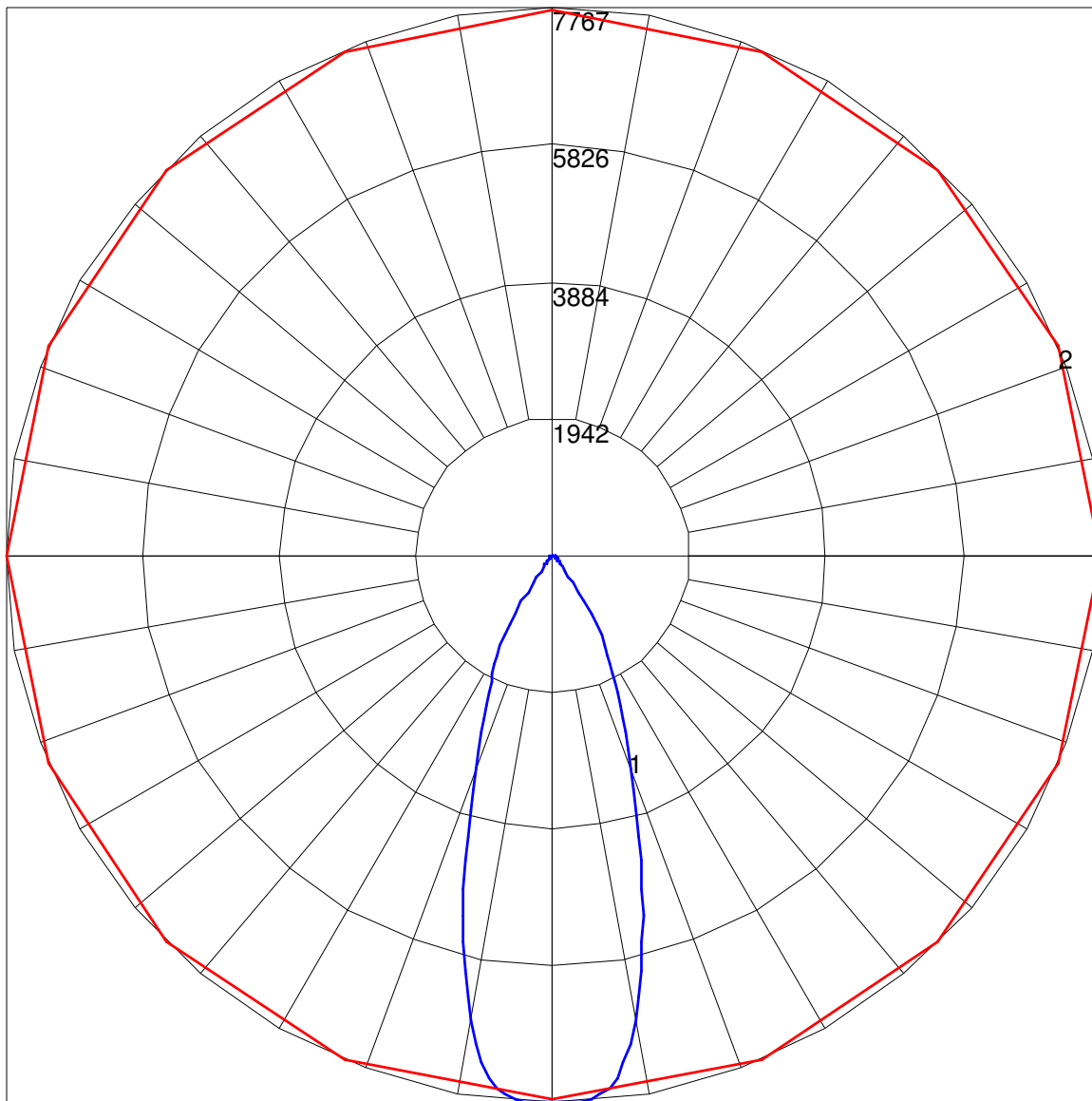
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1824.0	50.0
Downward House Side	1824.0	50.0
Downward Total	3648.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3648.2	100.0

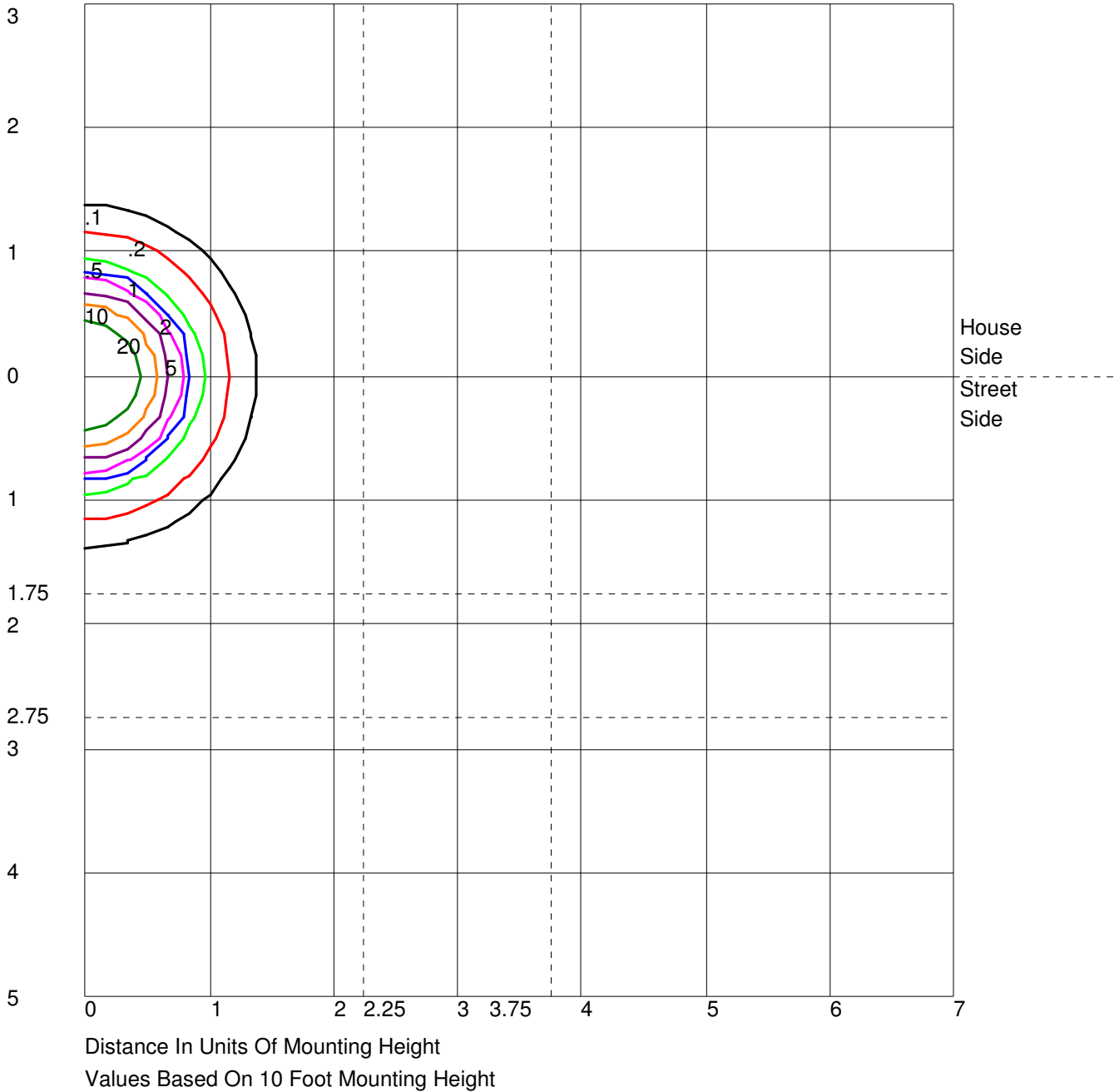
POLAR GRAPH



Maximum Candela = 7767.397 Located At Horizontal Angle = 0, Vertical Angle = 2  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



# PHOTO IES R

