

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-850-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-L10-850-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	976
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2078.332
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	2078.332
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.075 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.621 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-850-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	408.8	N.A.	41.9
FM - Front-Medium (30-60)	73.8	N.A.	7.6
FH - Front-High (60-80)	5.1	N.A.	0.5
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	408.8	N.A.	41.9
BM - Back-Medium (30-60)	73.8	N.A.	7.6
BH - Back-High (60-80)	5.1	N.A.	0.5
BVH - Back-Very High (80-90)	0.2	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	975.9	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	2073.620	2073.620	2073.620	2073.620	2073.620
1	2076.285	2076.234	2075.296	2074.628	2073.788
2	2078.332	2077.038	2074.479	2072.034	2069.547
3	2077.197	2075.624	2071.032	2066.459	2062.470
4	2073.571	2070.221	2063.278	2056.461	2052.333
5	2060.547	2056.474	2047.309	2038.034	2033.465
6	2037.814	2032.411	2019.880	2008.468	2002.650
7	1999.864	1993.249	1979.210	1967.743	1959.220
8	1946.822	1940.278	1926.184	1915.634	1904.770
9	1878.427	1873.459	1861.389	1851.799	1840.627
10	1796.934	1795.618	1785.535	1778.070	1769.641
11	1706.157	1707.178	1701.062	1695.753	1688.404
12	1610.800	1611.390	1609.211	1607.537	1600.503
13	1512.586	1513.280	1514.937	1515.196	1508.548
14	1411.761	1412.410	1417.861	1419.927	1414.249
15	1310.810	1312.124	1319.316	1323.309	1318.674
16	1211.691	1213.589	1221.018	1226.525	1223.048
17	1115.475	1119.681	1124.867	1132.144	1129.079
18	1024.347	1028.845	1033.813	1040.199	1038.331
19	939.280	942.406	948.549	954.224	951.539
20	862.911	862.986	869.073	875.020	873.123
21	789.973	790.142	795.583	801.599	798.927
22	725.982	724.763	730.513	735.513	734.119
23	670.547	668.607	674.036	677.788	677.775
24	621.714	620.043	624.373	627.314	627.548
25	578.384	577.508	580.087	582.970	582.801
26	540.499	539.225	540.259	543.087	541.894
27	505.018	503.117	503.743	505.602	505.170
28	470.133	467.766	467.029	469.163	471.978
29	433.627	432.070	430.556	431.707	433.079
30	396.423	393.475	390.560	392.895	393.657
31	353.340	351.355	348.628	350.016	351.096
32	307.562	306.566	303.820	306.398	306.634
33	259.945	259.592	257.808	260.535	261.152
34	212.834	213.090	212.393	215.211	215.597
35	169.365	169.569	169.855	173.296	173.328
36	131.510	132.405	133.209	137.162	136.656
37	100.059	101.272	103.422	105.650	105.712
38	77.955	76.535	79.077	82.262	81.613
39	58.753	59.817	63.024	63.507	65.599
40	47.996	48.275	49.754	51.113	51.885
41	40.087	40.855	41.877	42.195	42.525
42	35.105	35.290	36.039	36.662	36.390
43	31.454	31.613	32.089	32.167	32.080
44	28.610	28.804	29.070	29.009	28.846
45	26.242	26.460	26.618	26.473	26.320
46	24.157	24.352	24.485	24.303	24.151
47	22.221	22.419	22.532	22.357	22.166
48	20.476	20.661	20.765	20.593	20.395
49	18.913	19.066	19.156	18.991	18.783
50	17.486	17.603	17.694	17.535	17.337
51	16.205	16.312	16.380	16.234	16.050
52	15.060	15.145	15.193	15.073	14.885

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53	14.045	14.101	14.146	14.042	13.857
54	13.134	13.176	13.209	13.105	12.943
55	12.294	12.317	12.353	12.249	12.113
56	11.483	11.516	11.532	11.451	11.341
57	10.754	10.776	10.786	10.715	10.627
58	10.108	10.125	10.131	10.063	9.982
59	9.528	9.534	9.531	9.470	9.401
60	8.999	8.996	8.993	8.934	8.876
61	8.516	8.503	8.497	8.442	8.386
62	8.069	8.056	8.039	7.987	7.932
63	7.657	7.634	7.618	7.563	7.508
64	7.251	7.232	7.212	7.157	7.105
65	6.869	6.852	6.826	6.775	6.723
66	6.492	6.476	6.444	6.395	6.343
67	6.129	6.113	6.081	6.029	5.983
68	5.773	5.756	5.724	5.669	5.627
69	5.416	5.403	5.370	5.319	5.270
70	5.069	5.049	5.020	4.972	4.920
71	4.722	4.696	4.670	4.625	4.576
72	4.372	4.346	4.323	4.278	4.239
73	4.021	3.999	3.976	3.937	3.892
74	3.671	3.655	3.629	3.596	3.564
75	3.331	3.318	3.292	3.262	3.233
76	2.987	2.980	2.954	2.932	2.909
77	2.653	2.646	2.627	2.611	2.591
78	2.312	2.309	2.299	2.280	2.277
79	1.972	1.968	1.962	1.956	1.952
80	1.615	1.621	1.615	1.621	1.609
81	1.223	1.236	1.226	1.226	1.213
82	0.691	0.707	0.717	0.723	0.730
83	0.311	0.318	0.360	0.386	0.415
84	0.285	0.289	0.289	0.285	0.285
85	0.263	0.263	0.263	0.263	0.263
86	0.233	0.233	0.237	0.233	0.233
87	0.198	0.198	0.198	0.201	0.198
88	0.152	0.156	0.156	0.156	0.152
89	0.104	0.107	0.107	0.107	0.107
90	0.062	0.065	0.071	0.075	0.075
91	0.062	0.065	0.065	0.065	0.062
92	0.062	0.062	0.065	0.065	0.065
93	0.062	0.065	0.065	0.065	0.065
94	0.062	0.065	0.065	0.065	0.065
95	0.065	0.065	0.065	0.068	0.065
96	0.065	0.065	0.068	0.068	0.065
97	0.065	0.068	0.068	0.068	0.065
98	0.065	0.071	0.071	0.068	0.068
99	0.068	0.071	0.071	0.071	0.068
100	0.068	0.071	0.071	0.071	0.068
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

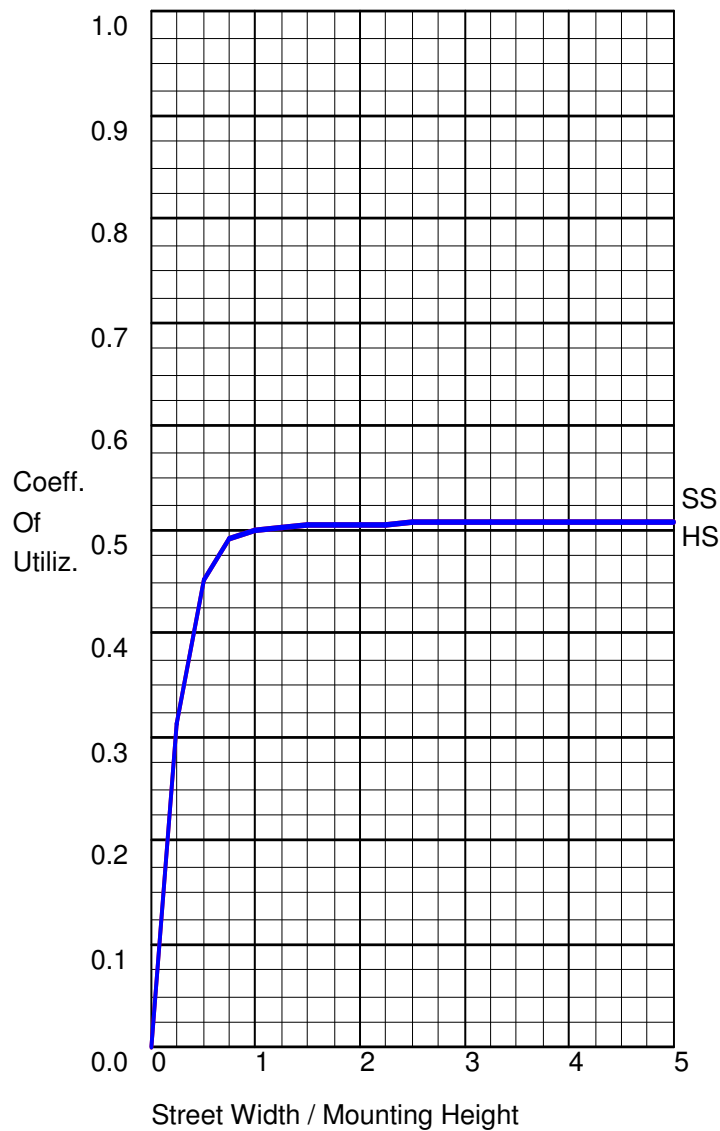
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000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

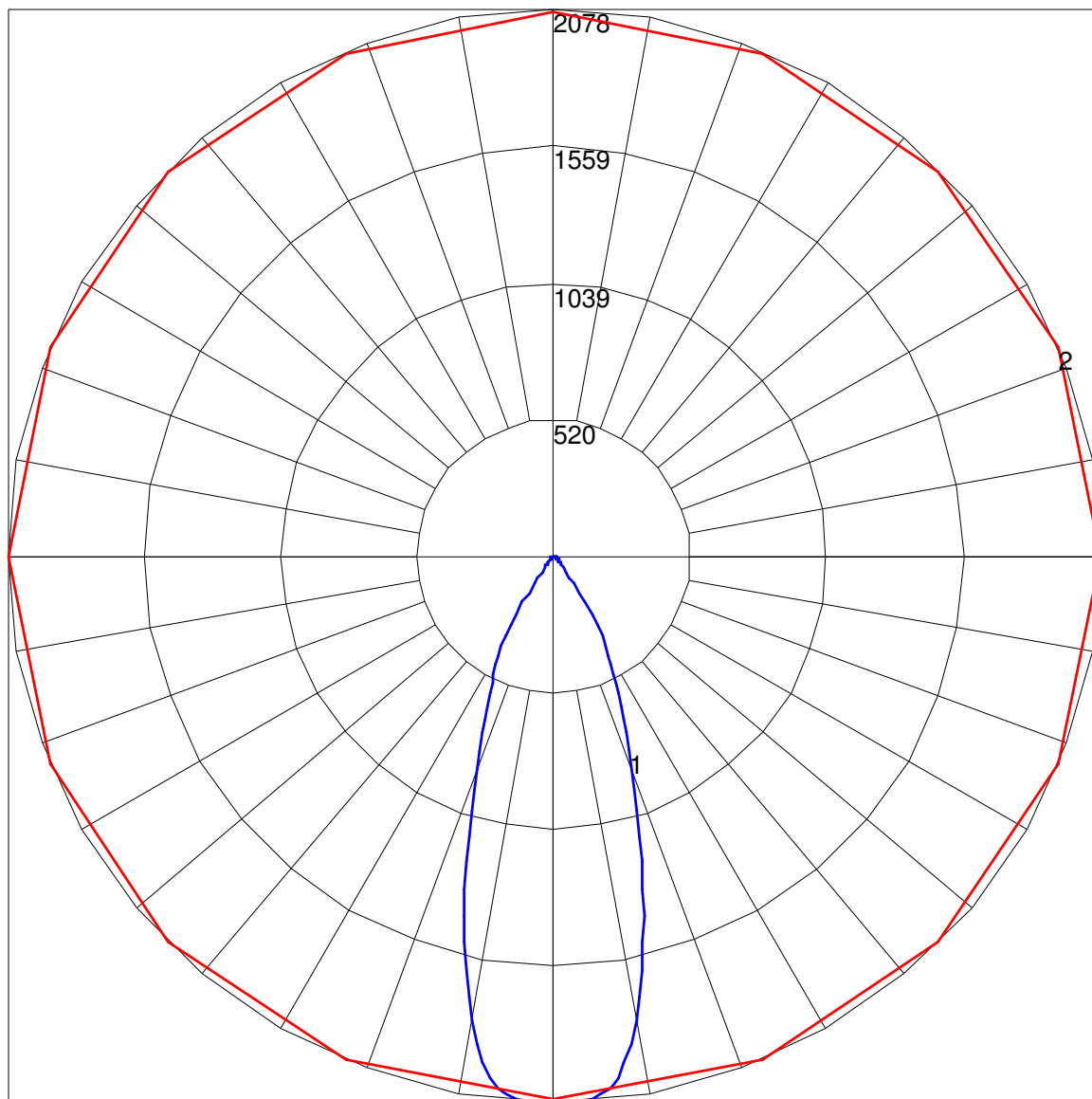
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	488.0	50.0
Downward House Side	488.0	50.0
Downward Total	976.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	976.0	100.0

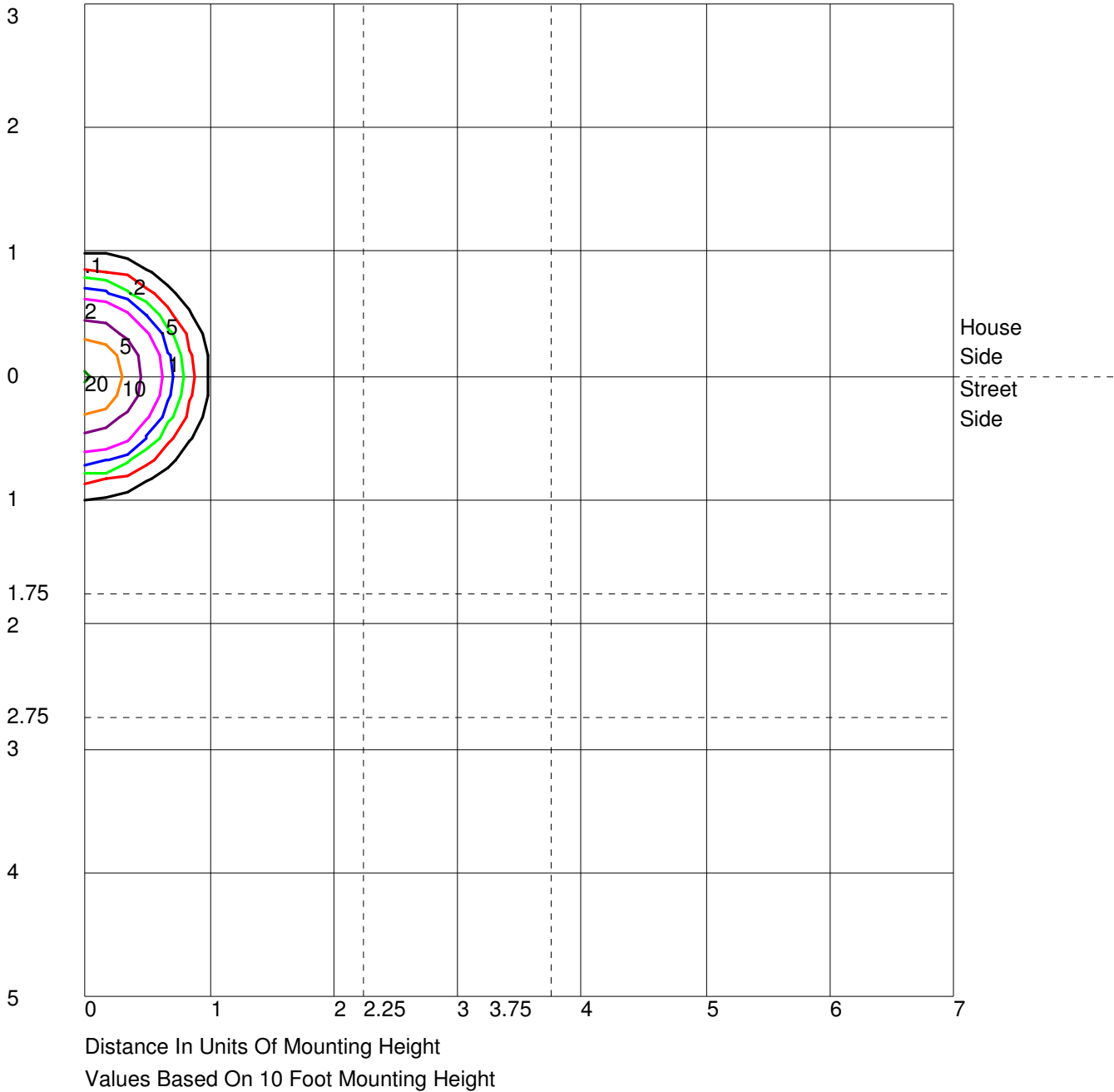
POLAR GRAPH



Maximum Candela = 2078.332 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

