

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-935-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-L10-935-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	947
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2015.352
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	2015.352
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.072 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.572 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	396.4	N.A.	41.9
FM - Front-Medium (30-60)	71.6	N.A.	7.6
FH - Front-High (60-80)	5.0	N.A.	0.5
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	396.4	N.A.	41.9
BM - Back-Medium (30-60)	71.6	N.A.	7.6
BH - Back-High (60-80)	5.0	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	946.5	N.A.	100.0
BUG Rating	B1-U1-G0		

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-M-XXX\_.IES

## 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	2010.783	2010.783	2010.783	2010.783	2010.783
1	2013.368	2013.318	2012.409	2011.761	2010.947
2	2015.352	2014.098	2011.616	2009.245	2006.833
3	2014.252	2012.727	2008.274	2003.840	1999.972
4	2010.736	2007.487	2000.755	1994.144	1990.141
5	1998.107	1994.157	1985.270	1976.276	1971.845
6	1976.062	1970.823	1958.672	1947.606	1941.964
7	1939.263	1932.848	1919.234	1908.114	1899.850
8	1887.828	1881.482	1867.815	1857.585	1847.050
9	1821.506	1816.688	1804.983	1795.684	1784.851
10	1742.482	1741.205	1731.428	1724.189	1716.016
11	1654.455	1655.446	1649.515	1644.367	1637.241
12	1561.988	1562.560	1560.447	1558.824	1552.003
13	1466.750	1467.423	1469.030	1469.281	1462.835
14	1368.981	1369.610	1374.896	1376.899	1371.393
15	1271.089	1272.362	1279.337	1283.209	1278.715
16	1174.974	1176.813	1184.018	1189.358	1185.986
17	1081.673	1085.752	1090.780	1097.837	1094.865
18	993.306	997.668	1002.486	1008.678	1006.866
19	910.817	913.849	919.805	925.308	922.704
20	836.762	836.835	842.737	848.505	846.665
21	766.034	766.198	771.475	777.308	774.717
22	703.983	702.800	708.376	713.225	711.873
23	650.227	648.347	653.611	657.249	657.237
24	602.874	601.254	605.453	608.305	608.531
25	560.857	560.008	562.508	565.304	565.140
26	524.121	522.885	523.888	526.630	525.473
27	489.714	487.872	488.478	490.280	489.862
28	455.887	453.591	452.877	454.946	457.676
29	420.487	418.977	417.508	418.625	419.955
30	384.410	381.552	378.725	380.989	381.728
31	342.633	340.708	338.063	339.409	340.457
32	298.242	297.276	294.613	297.113	297.343
33	252.068	251.725	249.996	252.640	253.238
34	206.385	206.633	205.957	208.690	209.064
35	164.233	164.431	164.708	168.044	168.076
36	127.525	128.393	129.172	133.006	132.515
37	97.027	98.203	100.288	102.449	102.508
38	75.593	74.215	76.681	79.769	79.140
39	56.973	58.004	61.114	61.583	63.611
40	46.542	46.812	48.246	49.564	50.312
41	38.872	39.617	40.608	40.916	41.237
42	34.042	34.221	34.947	35.551	35.287
43	30.501	30.655	31.117	31.192	31.108
44	27.743	27.931	28.189	28.130	27.972
45	25.447	25.658	25.812	25.670	25.523
46	23.425	23.614	23.743	23.567	23.419
47	21.548	21.739	21.850	21.680	21.494
48	19.856	20.035	20.136	19.969	19.777
49	18.340	18.488	18.576	18.415	18.214
50	16.956	17.070	17.158	17.003	16.812
51	15.714	15.818	15.884	15.742	15.563
52	14.604	14.686	14.733	14.617	14.434

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	13.620	13.673	13.717	13.617	13.437
54	12.736	12.777	12.808	12.708	12.551
55	11.922	11.944	11.978	11.878	11.746
56	11.135	11.167	11.183	11.104	10.997
57	10.428	10.450	10.459	10.390	10.305
58	9.802	9.818	9.824	9.758	9.679
59	9.239	9.245	9.242	9.183	9.117
60	8.727	8.723	8.720	8.664	8.607
61	8.258	8.245	8.239	8.186	8.132
62	7.824	7.811	7.796	7.745	7.692
63	7.425	7.403	7.387	7.333	7.280
64	7.032	7.013	6.994	6.940	6.890
65	6.661	6.645	6.620	6.569	6.519
66	6.296	6.280	6.249	6.201	6.151
67	5.944	5.928	5.896	5.846	5.802
68	5.598	5.582	5.550	5.497	5.456
69	5.252	5.239	5.208	5.157	5.110
70	4.915	4.896	4.868	4.821	4.771
71	4.579	4.554	4.528	4.484	4.437
72	4.239	4.214	4.192	4.148	4.110
73	3.899	3.877	3.855	3.818	3.774
74	3.560	3.544	3.519	3.487	3.456
75	3.230	3.217	3.192	3.164	3.135
76	2.896	2.890	2.865	2.843	2.821
77	2.572	2.566	2.547	2.531	2.513
78	2.242	2.239	2.230	2.211	2.208
79	1.912	1.909	1.903	1.896	1.893
80	1.566	1.572	1.566	1.572	1.560
81	1.186	1.198	1.189	1.189	1.176
82	0.670	0.686	0.695	0.701	0.708
83	0.302	0.308	0.349	0.374	0.403
84	0.277	0.280	0.280	0.277	0.277
85	0.255	0.255	0.255	0.255	0.255
86	0.226	0.226	0.230	0.226	0.226
87	0.192	0.192	0.192	0.195	0.192
88	0.148	0.151	0.151	0.151	0.148
89	0.101	0.104	0.104	0.104	0.104
90	0.060	0.063	0.069	0.072	0.072
91	0.060	0.063	0.063	0.063	0.060
92	0.060	0.060	0.063	0.063	0.063
93	0.060	0.063	0.063	0.063	0.063
94	0.060	0.063	0.063	0.063	0.063
95	0.063	0.063	0.063	0.066	0.063
96	0.063	0.063	0.066	0.066	0.063
97	0.063	0.066	0.066	0.066	0.063
98	0.063	0.069	0.069	0.066	0.066
99	0.066	0.069	0.069	0.069	0.066
100	0.066	0.069	0.069	0.069	0.066
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

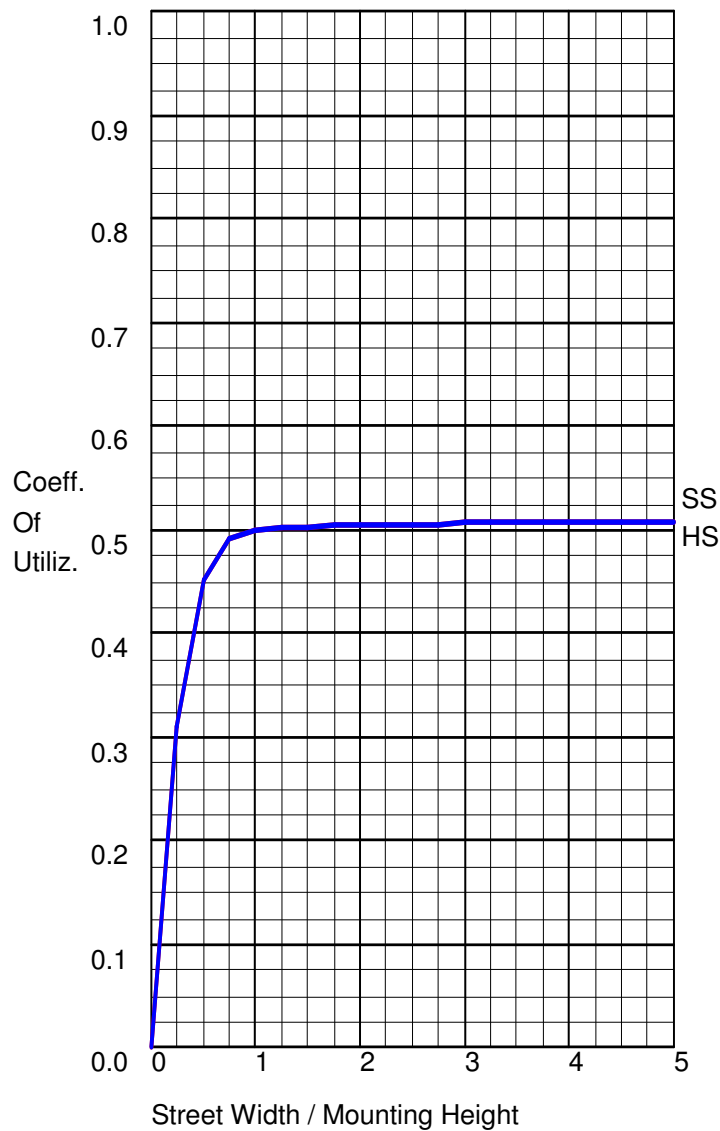
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-M-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

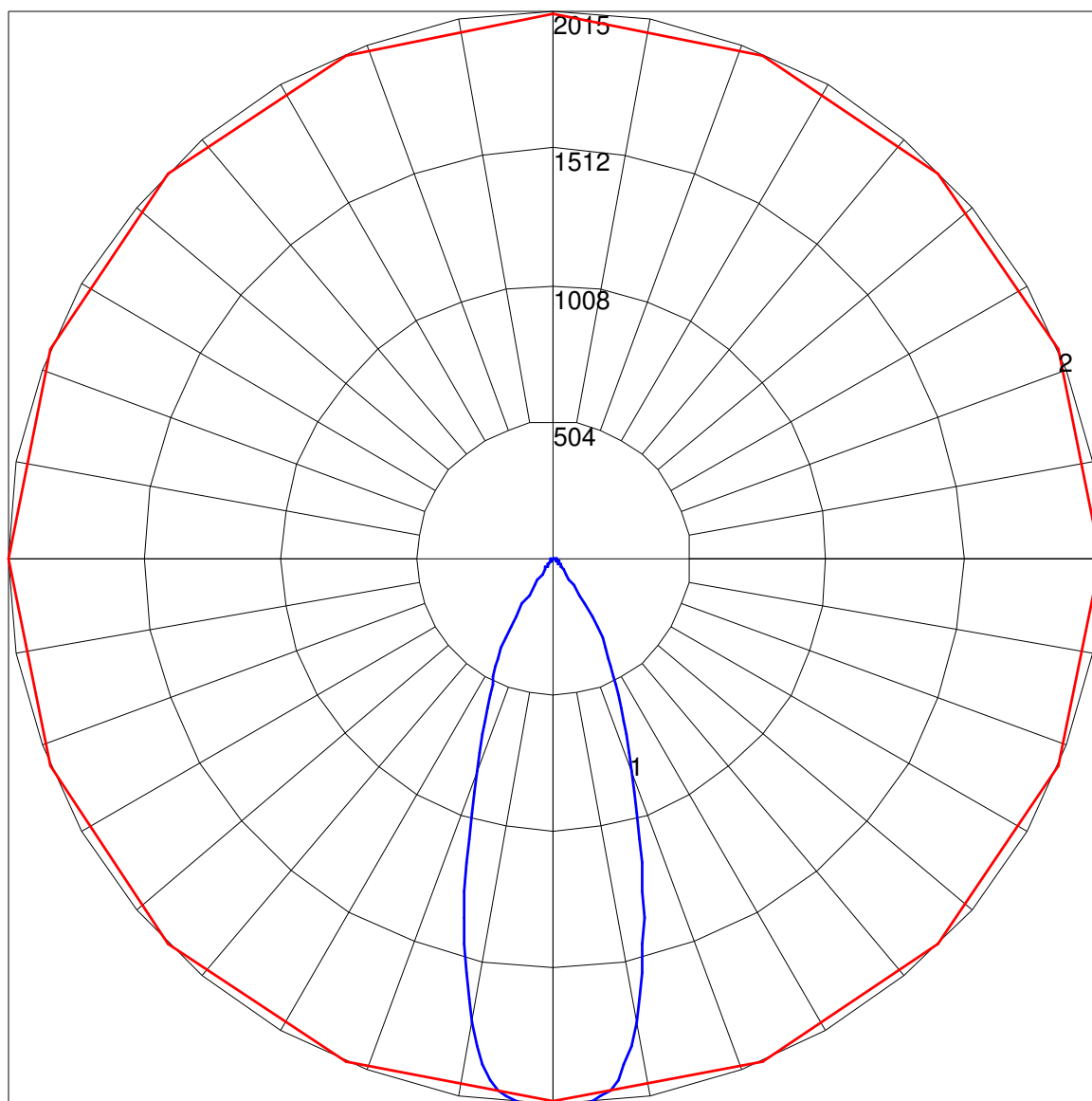
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	473.3	50.0
Downward House Side	473.3	50.0
Downward Total	946.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	946.6	100.0

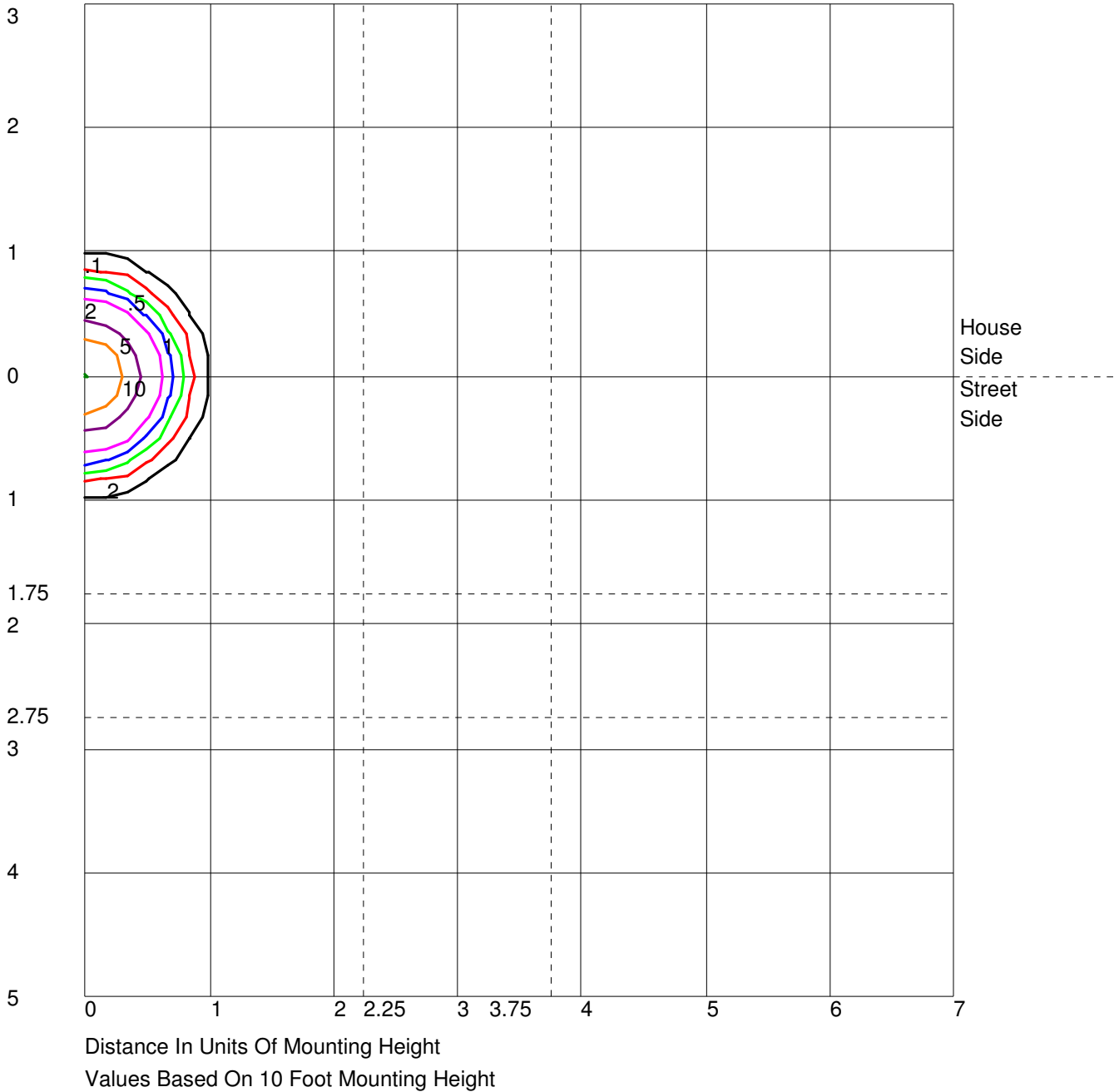
POLAR GRAPH



Maximum Candela = 2015.352 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

