

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-940-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-L10-940-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	956
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2036.345
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	2036.345
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.073 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.589 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-940-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	400.6	N.A.	41.9
FM - Front-Medium (30-60)	72.4	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)	400.6	N.A.	41.9
BM - Back-Medium (30-60)	72.4	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	956.5	N.A.	100.0
BUG Rating	B1-U1-G0		

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-940-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	2031.728	2031.728	2031.728	2031.728	2031.728
1	2034.340	2034.289	2033.371	2032.717	2031.894
2	2036.345	2035.077	2032.570	2030.175	2027.737
3	2035.233	2033.692	2029.193	2024.713	2020.804
4	2031.681	2028.398	2021.595	2014.916	2010.871
5	2018.920	2014.929	2005.950	1996.862	1992.385
6	1996.646	1991.352	1979.074	1967.893	1962.193
7	1959.463	1952.981	1939.226	1927.990	1919.640
8	1907.492	1901.080	1887.271	1876.935	1866.290
9	1840.479	1835.611	1823.785	1814.389	1803.443
10	1760.633	1759.343	1749.464	1742.149	1733.891
11	1671.689	1672.690	1666.697	1661.495	1654.295
12	1578.258	1578.837	1576.701	1575.062	1568.170
13	1482.028	1482.708	1484.332	1484.586	1478.072
14	1383.241	1383.876	1389.218	1391.242	1385.678
15	1284.329	1285.616	1292.664	1296.575	1292.034
16	1187.213	1189.072	1196.351	1201.746	1198.340
17	1092.940	1097.061	1102.142	1109.272	1106.270
18	1003.653	1008.060	1012.928	1019.185	1017.354
19	920.305	923.368	929.386	934.947	932.316
20	845.478	845.552	851.516	857.343	855.484
21	774.014	774.179	779.511	785.405	782.787
22	711.316	710.121	715.755	720.655	719.288
23	657.000	655.100	660.419	664.095	664.083
24	609.154	607.517	611.759	614.641	614.870
25	566.699	565.842	568.368	571.192	571.027
26	529.580	528.331	529.345	532.116	530.947
27	494.815	492.953	493.567	495.387	494.965
28	460.635	458.316	457.595	459.685	462.443
29	424.867	423.341	421.857	422.985	424.330
30	388.415	385.526	382.670	384.957	385.704
31	346.202	344.257	341.585	342.945	344.003
32	301.349	300.373	297.682	300.208	300.440
33	254.694	254.347	252.600	255.272	255.876
34	208.535	208.786	208.102	210.864	211.242
35	165.944	166.144	166.423	169.795	169.827
36	128.853	129.730	130.518	134.391	133.896
37	98.038	99.226	101.333	103.516	103.576
38	76.380	74.988	77.480	80.600	79.964
39	57.566	58.609	61.751	62.224	64.274
40	47.027	47.300	48.749	50.080	50.836
41	39.277	40.030	41.031	41.342	41.666
42	34.396	34.577	35.311	35.921	35.654
43	30.818	30.974	31.441	31.517	31.432
44	28.032	28.222	28.483	28.423	28.264
45	25.712	25.925	26.081	25.938	25.788
46	23.669	23.860	23.990	23.812	23.663
47	21.772	21.966	22.077	21.906	21.718
48	20.063	20.244	20.345	20.177	19.983
49	18.531	18.680	18.769	18.607	18.404
50	17.133	17.247	17.336	17.181	16.987
51	15.878	15.983	16.049	15.906	15.725
52	14.756	14.839	14.886	14.769	14.585

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-940-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	13.762	13.816	13.860	13.758	13.577
54	12.869	12.910	12.942	12.840	12.681
55	12.046	12.068	12.103	12.001	11.868
56	11.251	11.283	11.299	11.220	11.112
57	10.537	10.559	10.568	10.498	10.413
58	9.904	9.920	9.926	9.860	9.780
59	9.335	9.342	9.339	9.278	9.212
60	8.817	8.814	8.811	8.754	8.697
61	8.344	8.331	8.325	8.271	8.217
62	7.906	7.893	7.877	7.826	7.772
63	7.502	7.480	7.464	7.410	7.356
64	7.105	7.086	7.067	7.013	6.962
65	6.730	6.714	6.689	6.638	6.587
66	6.361	6.345	6.314	6.266	6.215
67	6.005	5.990	5.958	5.907	5.862
68	5.656	5.640	5.608	5.554	5.513
69	5.306	5.294	5.262	5.211	5.163
70	4.966	4.947	4.919	4.871	4.820
71	4.626	4.601	4.576	4.531	4.483
72	4.283	4.258	4.236	4.191	4.153
73	3.940	3.918	3.896	3.857	3.813
74	3.597	3.581	3.556	3.524	3.492
75	3.263	3.251	3.225	3.197	3.168
76	2.926	2.920	2.895	2.872	2.850
77	2.599	2.593	2.574	2.558	2.539
78	2.266	2.262	2.253	2.234	2.231
79	1.932	1.929	1.922	1.916	1.913
80	1.582	1.589	1.582	1.589	1.576
81	1.198	1.211	1.201	1.201	1.188
82	0.677	0.693	0.702	0.709	0.715
83	0.305	0.311	0.353	0.378	0.407
84	0.280	0.283	0.283	0.280	0.280
85	0.257	0.257	0.257	0.257	0.257
86	0.229	0.229	0.232	0.229	0.229
87	0.194	0.194	0.194	0.197	0.194
88	0.149	0.153	0.153	0.153	0.149
89	0.102	0.105	0.105	0.105	0.105
90	0.060	0.064	0.070	0.073	0.073
91	0.060	0.064	0.064	0.064	0.060
92	0.060	0.060	0.064	0.064	0.064
93	0.060	0.064	0.064	0.064	0.064
94	0.060	0.064	0.064	0.064	0.064
95	0.064	0.064	0.064	0.067	0.064
96	0.064	0.064	0.067	0.067	0.064
97	0.064	0.067	0.067	0.067	0.064
98	0.064	0.070	0.070	0.067	0.067
99	0.067	0.070	0.070	0.070	0.067
100	0.067	0.070	0.070	0.070	0.067
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

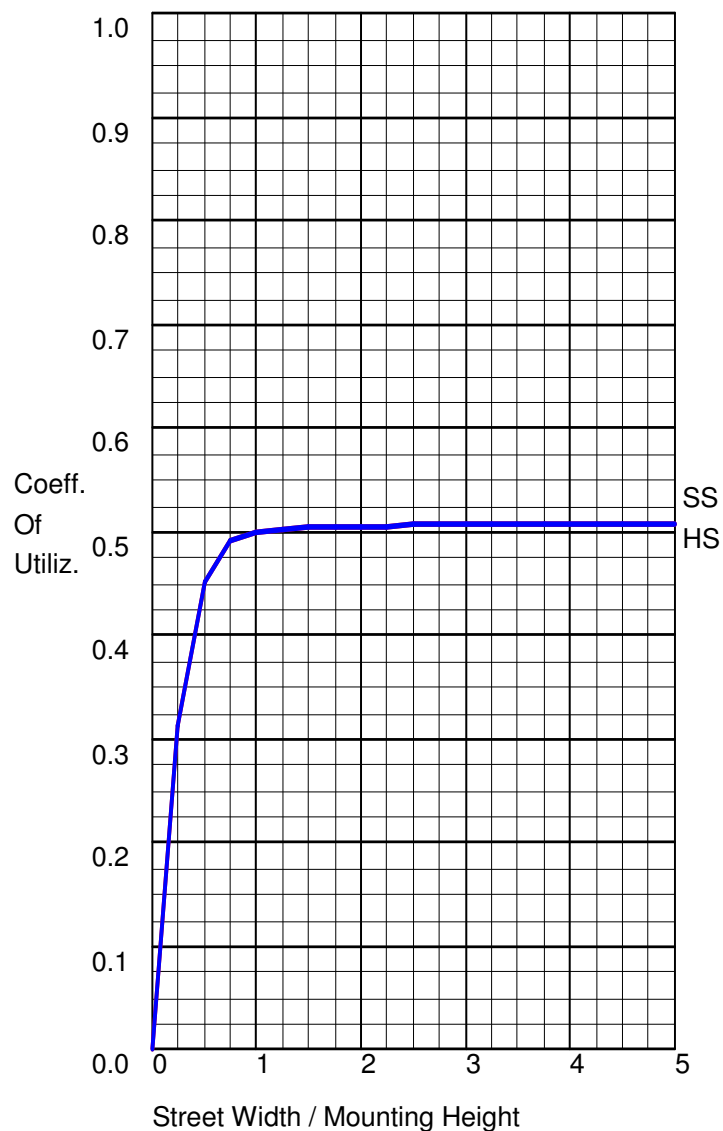
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-940-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L10-940-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

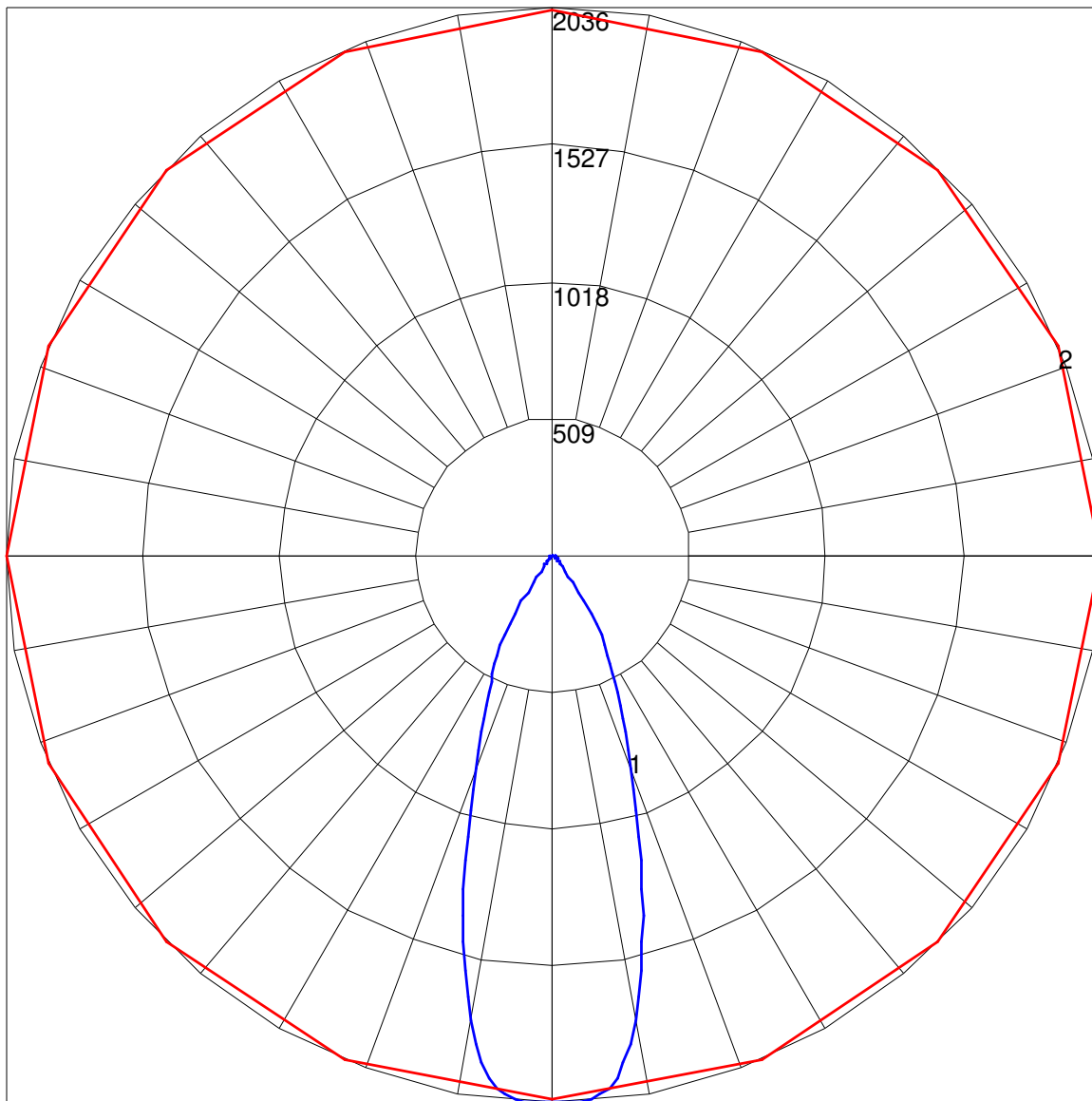
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	478.2	50.0
Downward House Side	478.2	50.0
Downward Total	956.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	956.4	100.0

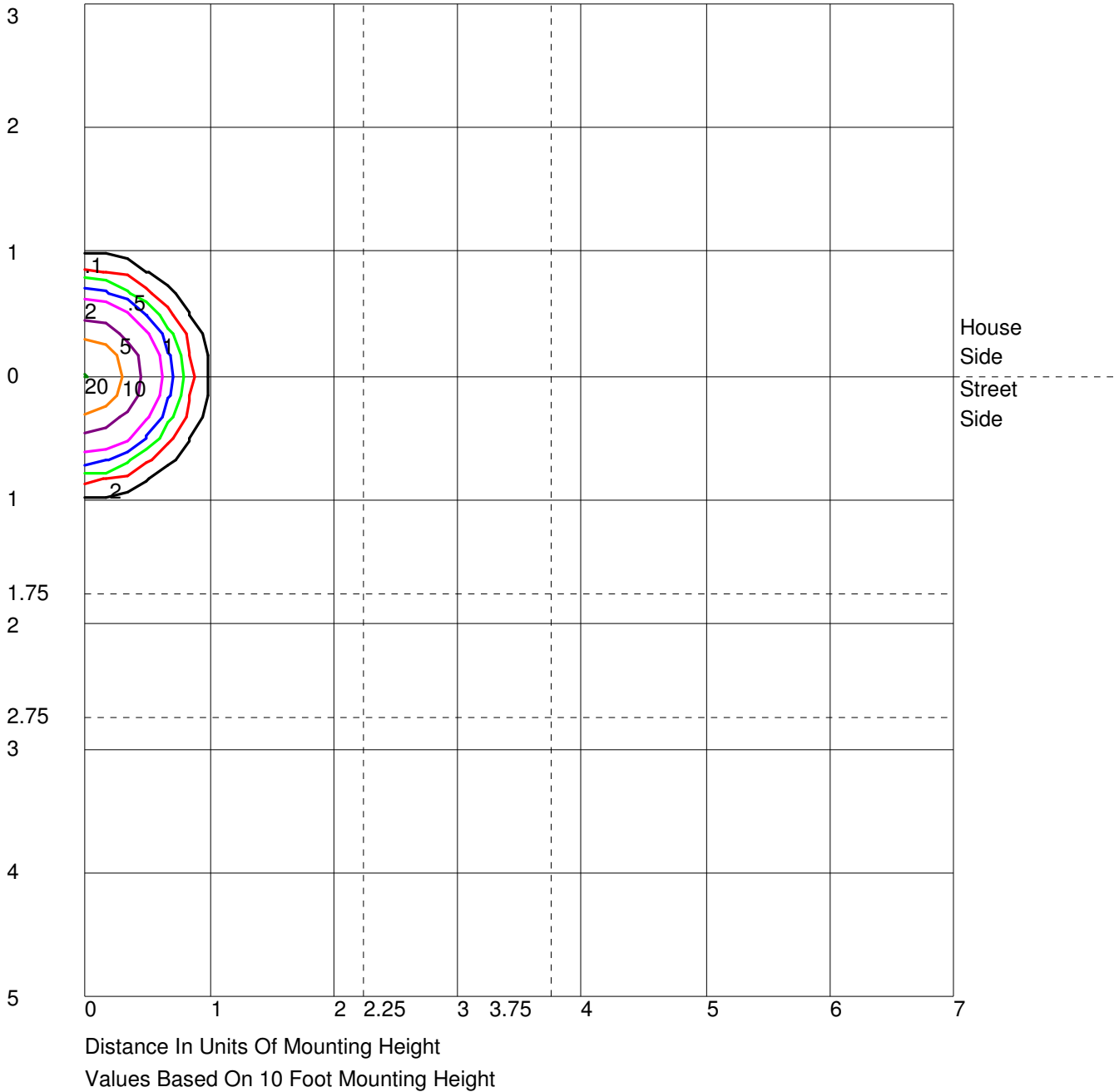
POLAR GRAPH



Maximum Candela = 2036.345 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

