

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-935-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-L30-935-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	2957
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	29348.07
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	29348.07
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.209 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.796 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-S-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1307.2	N.A.	44.2
FM - Front-Medium (30-60)	156.3	N.A.	5.3
FH - Front-High (60-80)	14.4	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1307.2	N.A.	44.2
BM - Back-Medium (30-60)	156.3	N.A.	5.3
BH - Back-High (60-80)	14.4	N.A.	0.5
BVH - Back-Very High (80-90)	0.7	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	2957.4	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	29348.070	29348.070	29348.070	29348.070	29348.070
1	28843.258	28854.702	28855.890	28859.309	28862.329
2	27623.889	27561.529	27659.752	27597.705	27652.866
3	25633.208	25612.987	25631.394	25774.958	25736.522
4	22819.489	23077.338	23130.429	23126.658	23180.490
5	19866.632	19901.412	19975.797	20200.793	20215.030
6	16505.439	16565.140	16857.664	17001.884	17171.130
7	13372.983	13303.233	13580.466	13906.079	13933.337
8	10287.075	10431.200	10729.024	10952.263	11051.940
9	7842.687	7980.079	8211.125	8462.657	8583.380
10	5953.639	6007.233	6282.073	6498.892	6606.898
11	4528.544	4586.802	4804.704	5018.835	5070.758
12	3511.093	3589.524	3756.262	3871.838	3933.372
13	2872.793	2862.849	2964.311	3074.967	3128.989
14	2310.501	2331.681	2429.040	2537.749	2554.721
15	1961.106	1973.054	2071.287	2112.060	2187.765
16	1715.415	1722.832	1778.991	1829.794	1855.019
17	1541.145	1545.931	1588.442	1629.253	1650.300
18	1417.696	1421.314	1453.995	1487.531	1503.354
19	1333.500	1336.824	1363.028	1386.952	1404.979
20	1281.482	1278.700	1297.951	1316.642	1329.882
21	1239.788	1239.969	1251.926	1265.754	1277.674
22	1213.034	1210.393	1220.413	1228.363	1240.776
23	1190.980	1185.966	1193.801	1200.411	1211.960
24	1168.728	1163.675	1168.386	1172.669	1184.608
25	1144.433	1140.653	1141.517	1145.582	1156.010
26	1116.368	1112.170	1111.306	1115.019	1123.738
27	1083.544	1077.162	1074.902	1077.172	1087.381
28	1040.046	1032.790	1027.699	1029.779	1040.805
29	983.336	977.030	966.402	969.811	979.812
30	909.958	904.307	891.181	894.838	903.338
31	818.183	813.558	800.888	804.953	813.311
32	711.317	709.047	698.382	704.764	711.925
33	595.239	594.916	587.726	595.856	603.074
34	477.365	479.093	476.272	485.428	491.212
35	367.260	371.011	370.461	383.738	384.878
36	271.382	273.595	280.301	288.734	292.704
37	196.523	192.781	205.517	213.913	223.268
38	135.482	134.219	142.909	151.552	154.135
39	91.024	97.483	103.675	108.148	110.181
40	66.397	69.598	74.337	80.786	80.425
41	52.844	54.354	57.612	60.148	61.468
42	45.541	45.949	48.038	49.406	50.137
43	41.599	41.656	42.805	43.375	43.793
44	39.396	39.481	39.928	40.042	40.289
45	38.114	38.209	38.275	38.209	38.389
46	37.259	37.316	37.192	37.059	37.211
47	36.584	36.575	36.357	36.214	36.271
48	36.053	35.967	35.663	35.549	35.530
49	35.625	35.464	35.103	34.932	34.875
50	35.293	35.046	34.618	34.410	34.296
51	35.036	34.732	34.191	33.963	33.811
52	34.875	34.476	33.859	33.583	33.393

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-S-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	34.751	34.277	33.574	33.241	33.080
54	34.599	34.068	33.251	32.861	32.671
55	34.087	33.526	32.690	32.244	32.140
56	33.194	32.652	31.769	31.332	31.380
57	32.045	31.598	30.658	30.269	30.449
58	30.753	30.383	29.433	29.100	29.366
59	29.252	28.958	28.056	27.780	28.141
60	27.628	27.362	26.584	26.375	26.755
61	25.928	25.672	25.045	24.893	25.235
62	24.200	23.962	23.487	23.383	23.668
63	22.500	22.291	21.958	21.863	22.072
64	20.838	20.629	20.467	20.382	20.543
65	19.318	19.109	19.062	18.976	19.119
66	17.865	17.694	17.694	17.637	17.751
67	16.535	16.421	16.450	16.402	16.497
68	15.358	15.272	15.320	15.263	15.348
69	14.275	14.218	14.256	14.218	14.275
70	13.278	13.259	13.278	13.240	13.278
71	12.356	12.356	12.366	12.318	12.337
72	11.521	11.492	11.502	11.454	11.454
73	10.704	10.666	10.656	10.609	10.609
74	9.906	9.849	9.849	9.792	9.801
75	9.099	9.042	9.032	8.966	8.994
76	8.272	8.225	8.225	8.158	8.196
77	7.446	7.418	7.408	7.361	7.399
78	6.610	6.563	6.563	6.525	6.572
79	5.718	5.680	5.699	5.670	5.737
80	4.749	4.739	4.749	4.768	4.796
81	3.647	3.666	3.657	3.666	3.666
82	2.080	2.137	2.194	2.175	2.222
83	0.988	0.997	1.111	1.159	1.225
84	0.902	0.902	0.902	0.893	0.893
85	0.836	0.826	0.826	0.817	0.826
86	0.750	0.741	0.741	0.741	0.741
87	0.636	0.636	0.636	0.627	0.627
88	0.503	0.503	0.503	0.494	0.484
89	0.342	0.342	0.332	0.332	0.323
90	0.190	0.199	0.209	0.209	0.209
91	0.190	0.190	0.180	0.171	0.171
92	0.190	0.190	0.180	0.180	0.171
93	0.199	0.199	0.180	0.180	0.171
94	0.209	0.199	0.190	0.180	0.180
95	0.209	0.199	0.190	0.190	0.180
96	0.218	0.199	0.199	0.190	0.190
97	0.218	0.199	0.209	0.199	0.199
98	0.218	0.209	0.209	0.199	0.199
99	0.218	0.209	0.209	0.199	0.209
100	0.218	0.218	0.218	0.209	0.209
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

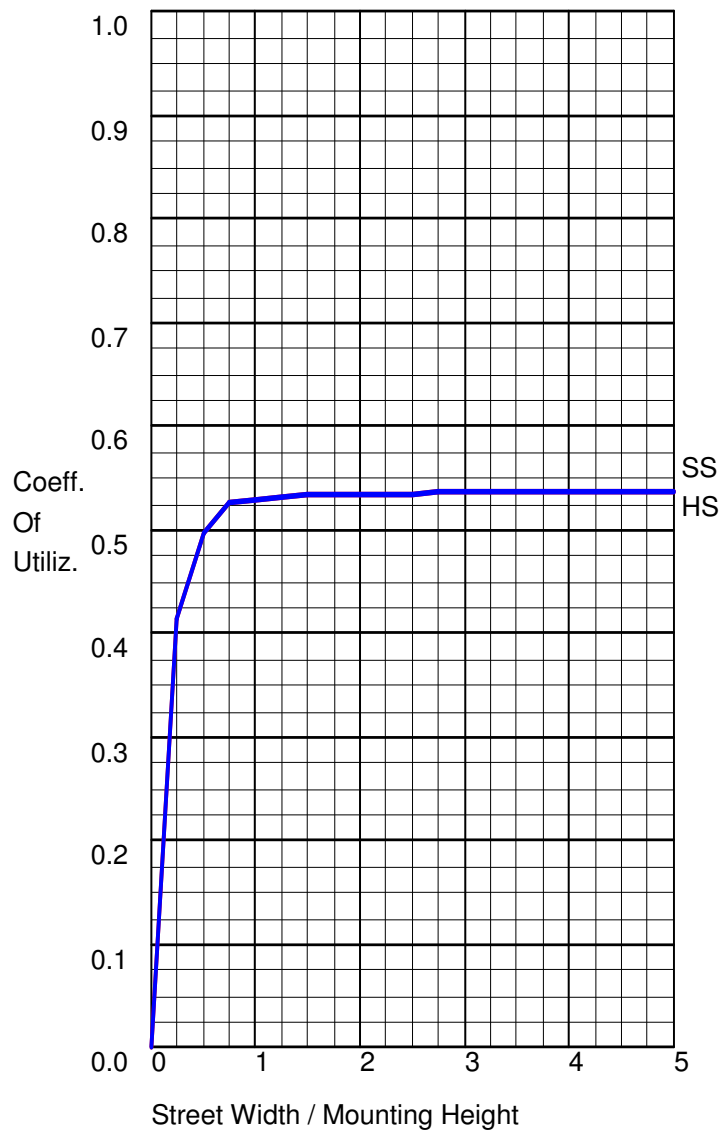
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

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

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-S-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

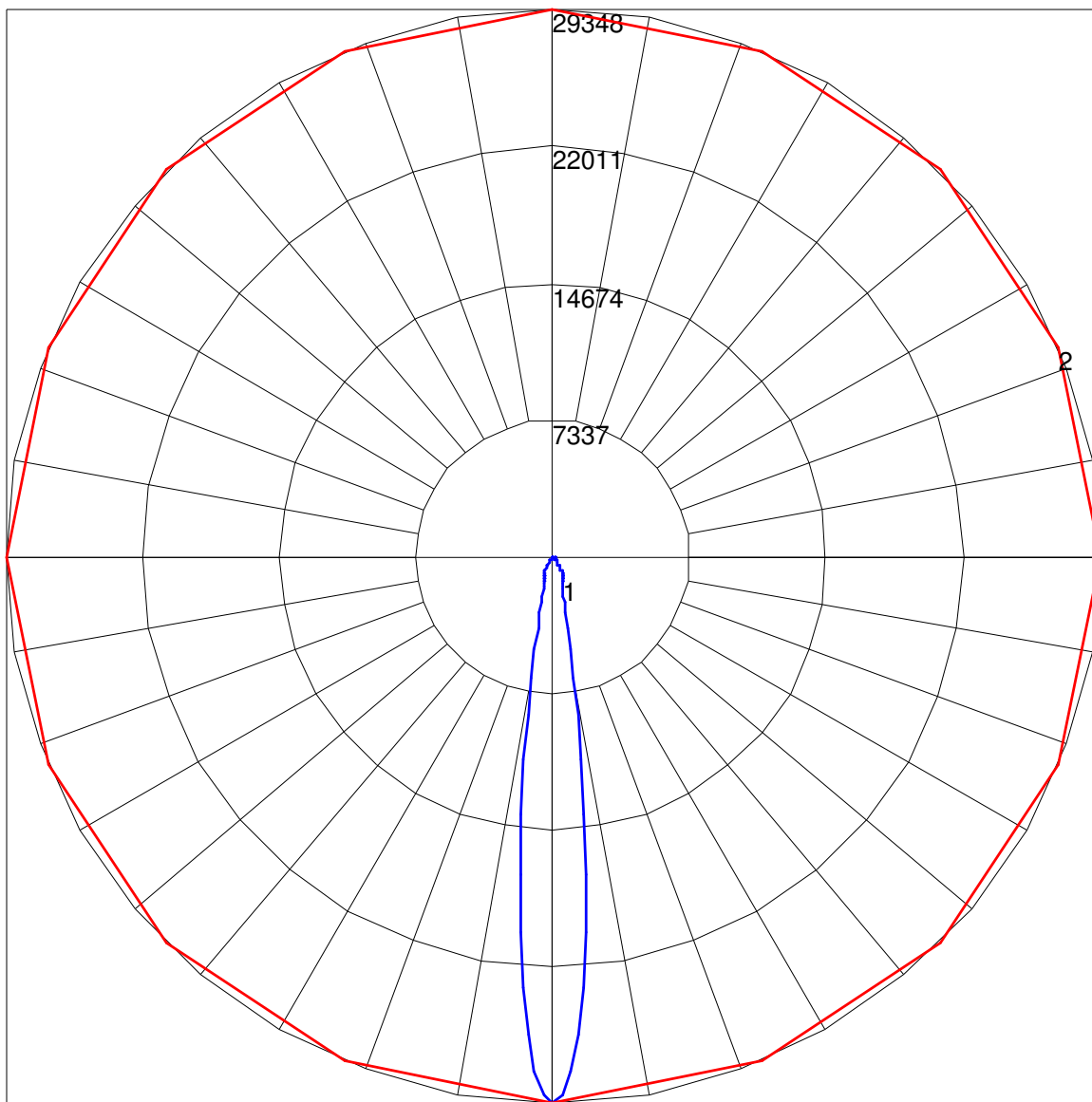
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1478.6	50.0
Downward House Side	1478.6	50.0
Downward Total	2957.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2957.4	100.0

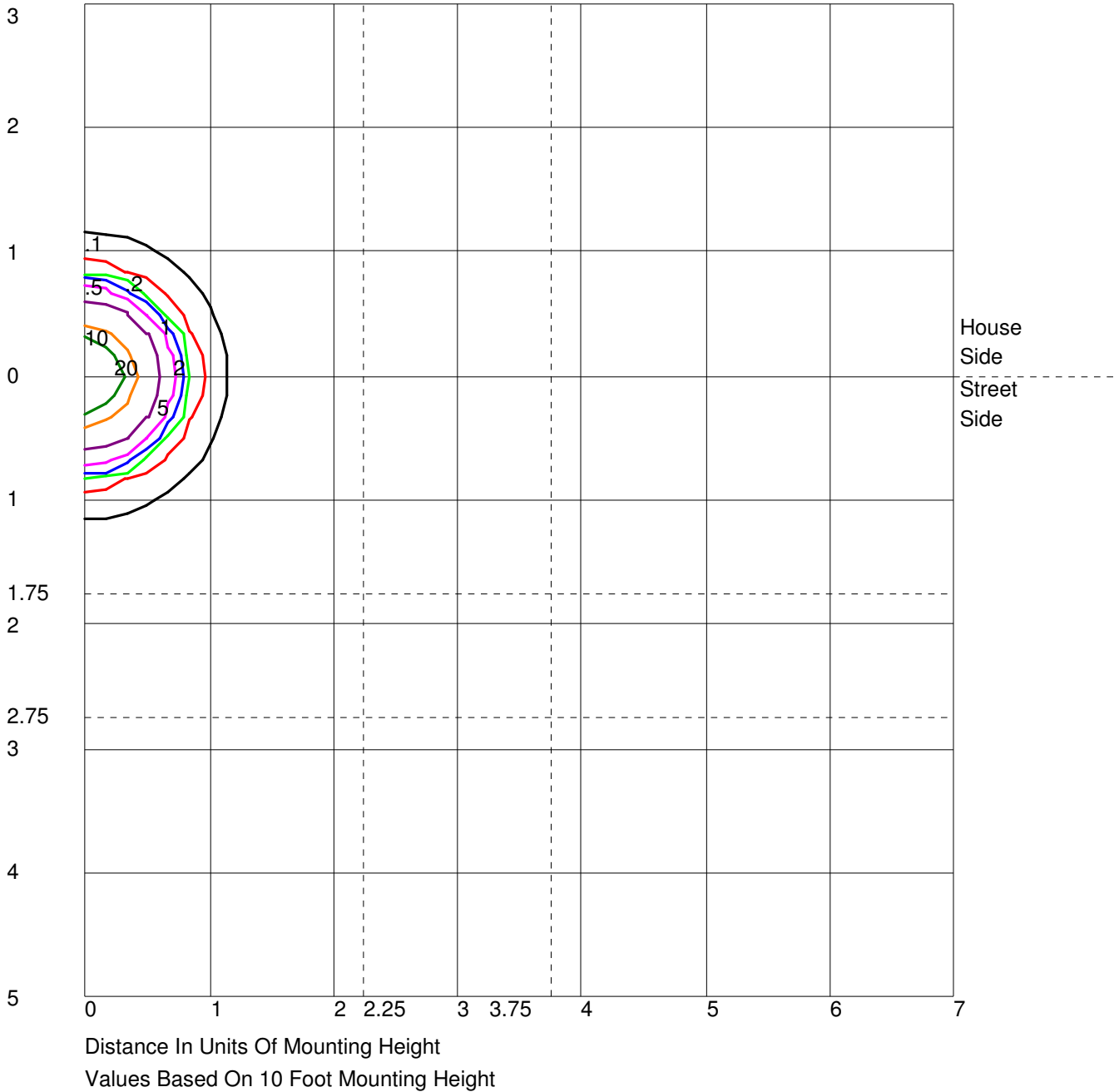
POLAR GRAPH



Maximum Candela = 29348.07 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

