

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-850-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-L30-850-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	3018
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	29953.188
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	29953.188
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.213 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.895 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-850-XXX-DIM-UNV-S-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1334.1	N.A.	44.2
FM - Front-Medium (30-60)	159.5	N.A.	5.3
FH - Front-High (60-80)	14.7	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1334.1	N.A.	44.2
BM - Back-Medium (30-60)	159.5	N.A.	5.3
BH - Back-High (60-80)	14.7	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	3018.2	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	29953.188	29953.188	29953.188	29953.188	29953.188
1	29437.967	29449.648	29450.859	29454.349	29457.431
2	28193.457	28129.810	28230.059	28166.732	28223.031
3	26161.730	26141.093	26159.879	26306.403	26267.174
4	23289.997	23553.162	23607.347	23603.499	23658.441
5	20276.256	20311.753	20387.671	20617.307	20631.837
6	16845.759	16906.691	17205.246	17352.440	17525.175
7	13648.716	13577.528	13860.477	14192.804	14220.624
8	10499.181	10646.278	10950.242	11178.084	11279.816
9	8004.393	8144.617	8380.427	8637.146	8760.358
10	6076.395	6131.094	6411.601	6632.890	6743.123
11	4621.917	4681.376	4903.770	5122.317	5175.310
12	3583.487	3663.535	3833.711	3951.670	4014.473
13	2932.026	2921.877	3025.431	3138.368	3193.504
14	2358.141	2379.757	2479.124	2590.074	2607.396
15	2001.542	2013.736	2113.994	2155.608	2232.874
16	1750.784	1758.355	1815.672	1867.521	1893.267
17	1572.921	1577.806	1621.194	1662.846	1684.327
18	1446.927	1450.620	1483.975	1518.202	1534.351
19	1360.995	1364.388	1391.132	1415.549	1433.947
20	1307.905	1305.065	1324.713	1343.790	1357.302
21	1265.351	1265.535	1277.739	1291.853	1304.018
22	1238.045	1235.350	1245.576	1253.690	1266.359
23	1215.537	1210.419	1218.416	1225.162	1236.949
24	1192.825	1187.668	1192.476	1196.848	1209.033
25	1168.030	1164.172	1165.054	1169.203	1179.846
26	1139.386	1135.101	1134.219	1138.009	1146.908
27	1105.886	1099.372	1097.065	1099.381	1109.802
28	1061.490	1054.084	1048.889	1051.012	1062.265
29	1003.611	997.175	986.328	989.808	1000.015
30	928.720	922.953	909.556	913.288	921.964
31	835.053	830.333	817.402	821.550	830.081
32	725.984	723.667	712.781	719.295	726.604
33	607.512	607.182	599.844	608.142	615.509
34	487.207	488.972	486.093	495.437	501.340
35	374.832	378.661	378.099	391.650	392.813
36	276.978	279.236	286.080	294.688	298.739
37	200.575	196.756	209.754	218.323	227.871
38	138.276	136.986	145.856	154.677	157.313
39	92.901	99.493	105.813	110.378	112.453
40	67.766	71.033	75.870	82.452	82.083
41	53.934	55.475	58.800	61.388	62.735
42	46.480	46.896	49.029	50.425	51.171
43	42.457	42.515	43.688	44.270	44.696
44	40.208	40.295	40.751	40.867	41.119
45	38.899	38.996	39.064	38.996	39.181
46	38.027	38.085	37.959	37.823	37.979
47	37.339	37.329	37.106	36.961	37.019
48	36.796	36.709	36.399	36.282	36.263
49	36.360	36.195	35.827	35.652	35.594
50	36.021	35.768	35.332	35.119	35.003
51	35.759	35.449	34.896	34.663	34.508
52	35.594	35.187	34.557	34.276	34.082

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53	35.468	34.983	34.266	33.927	33.762
54	35.313	34.770	33.936	33.539	33.345
55	34.789	34.218	33.365	32.909	32.802
56	33.878	33.326	32.424	31.978	32.027
57	32.705	32.250	31.290	30.893	31.077
58	31.387	31.009	30.040	29.700	29.972
59	29.856	29.555	28.634	28.353	28.721
60	28.198	27.927	27.132	26.918	27.306
61	26.463	26.201	25.561	25.406	25.755
62	24.699	24.456	23.972	23.865	24.156
63	22.964	22.750	22.411	22.314	22.527
64	21.267	21.054	20.889	20.802	20.967
65	19.716	19.503	19.455	19.367	19.513
66	18.233	18.059	18.059	18.001	18.117
67	16.876	16.760	16.789	16.740	16.837
68	15.674	15.587	15.635	15.577	15.664
69	14.569	14.511	14.550	14.511	14.569
70	13.551	13.532	13.551	13.513	13.551
71	12.611	12.611	12.621	12.572	12.592
72	11.758	11.729	11.739	11.690	11.690
73	10.924	10.886	10.876	10.827	10.827
74	10.110	10.052	10.052	9.994	10.004
75	9.286	9.228	9.218	9.151	9.180
76	8.443	8.394	8.394	8.327	8.365
77	7.600	7.571	7.561	7.512	7.551
78	6.747	6.698	6.698	6.659	6.708
79	5.835	5.797	5.816	5.787	5.855
80	4.847	4.837	4.847	4.866	4.895
81	3.722	3.742	3.732	3.742	3.742
82	2.123	2.181	2.239	2.220	2.268
83	1.008	1.018	1.134	1.183	1.250
84	0.921	0.921	0.921	0.911	0.911
85	0.853	0.843	0.843	0.834	0.843
86	0.766	0.756	0.756	0.756	0.756
87	0.649	0.649	0.649	0.640	0.640
88	0.514	0.514	0.514	0.504	0.494
89	0.349	0.349	0.339	0.339	0.330
90	0.194	0.204	0.213	0.213	0.213
91	0.194	0.194	0.184	0.174	0.174
92	0.194	0.194	0.184	0.184	0.174
93	0.204	0.204	0.184	0.184	0.174
94	0.213	0.204	0.194	0.184	0.184
95	0.213	0.204	0.194	0.194	0.184
96	0.223	0.204	0.204	0.194	0.194
97	0.223	0.204	0.213	0.204	0.204
98	0.223	0.213	0.213	0.204	0.204
99	0.223	0.213	0.213	0.204	0.213
100	0.223	0.223	0.223	0.213	0.213
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

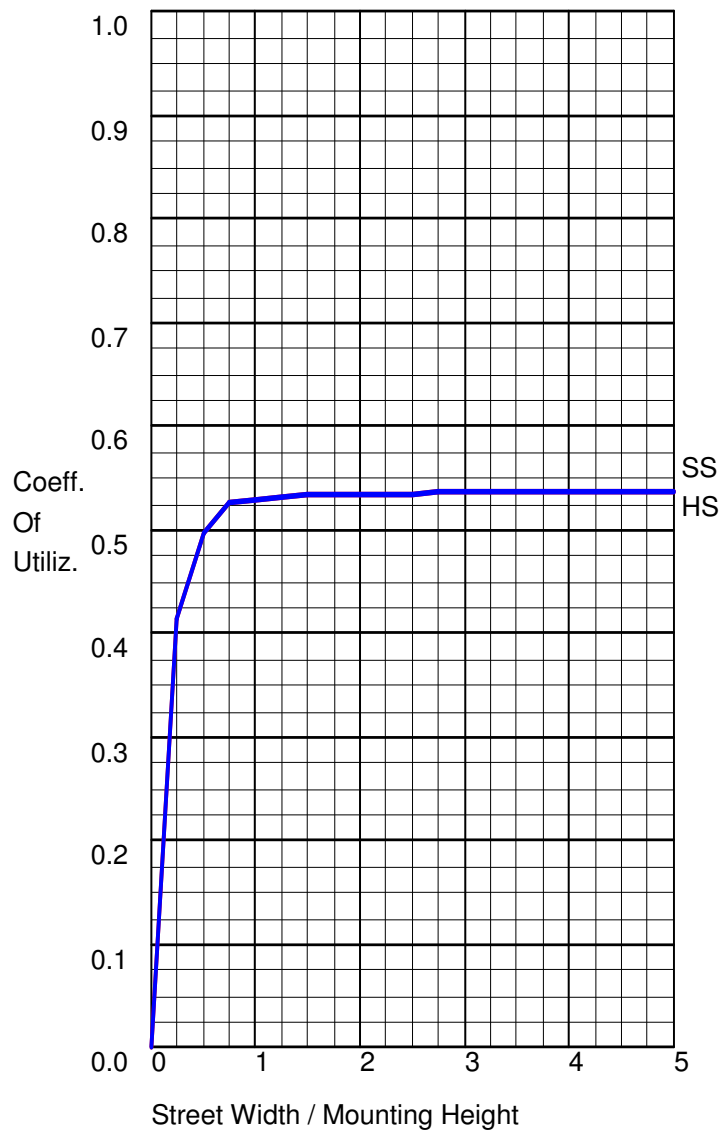
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-850-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

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-L30-850-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

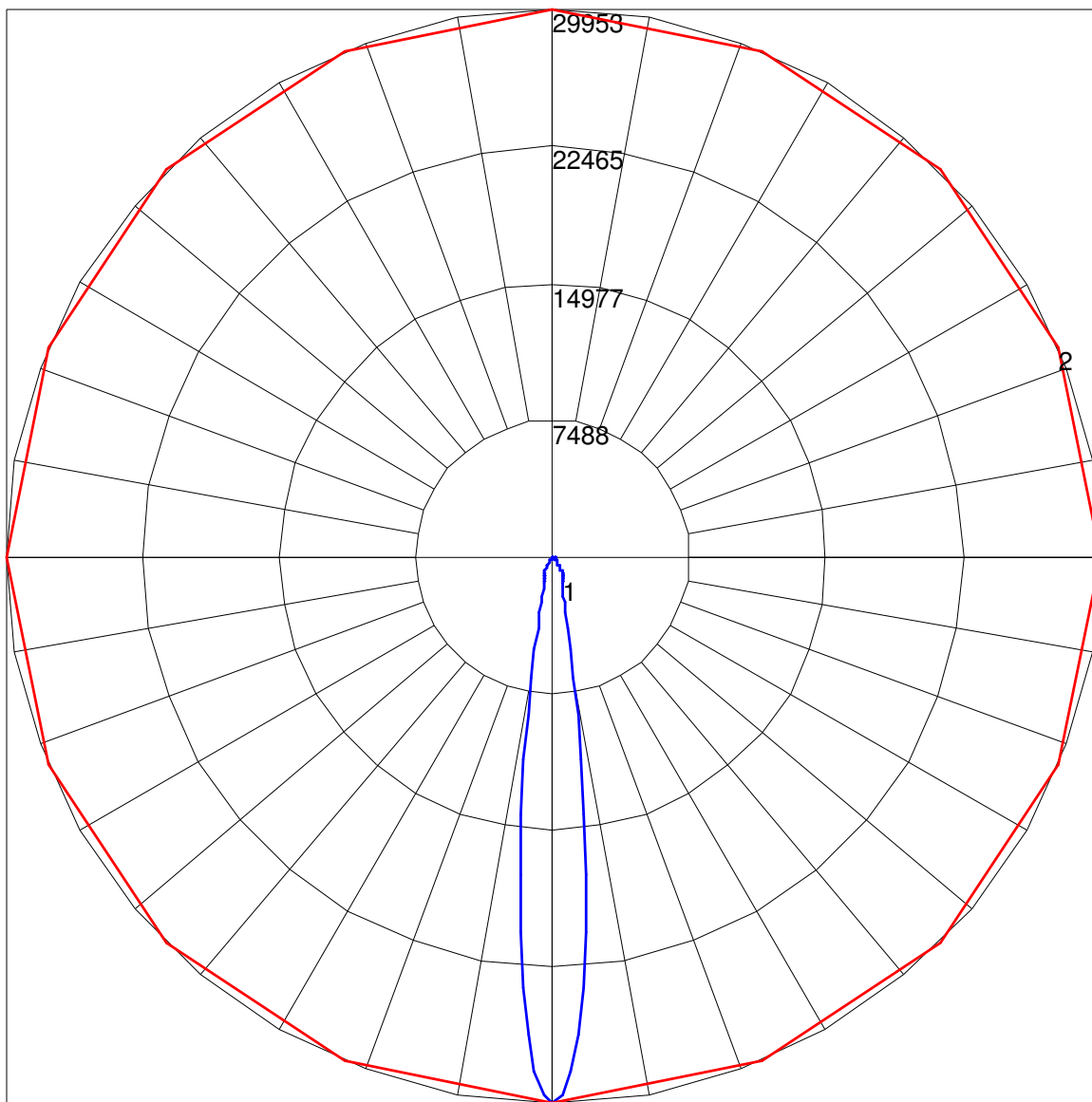
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1509.1	50.0
Downward House Side	1509.1	50.0
Downward Total	3018.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3018.4	100.0

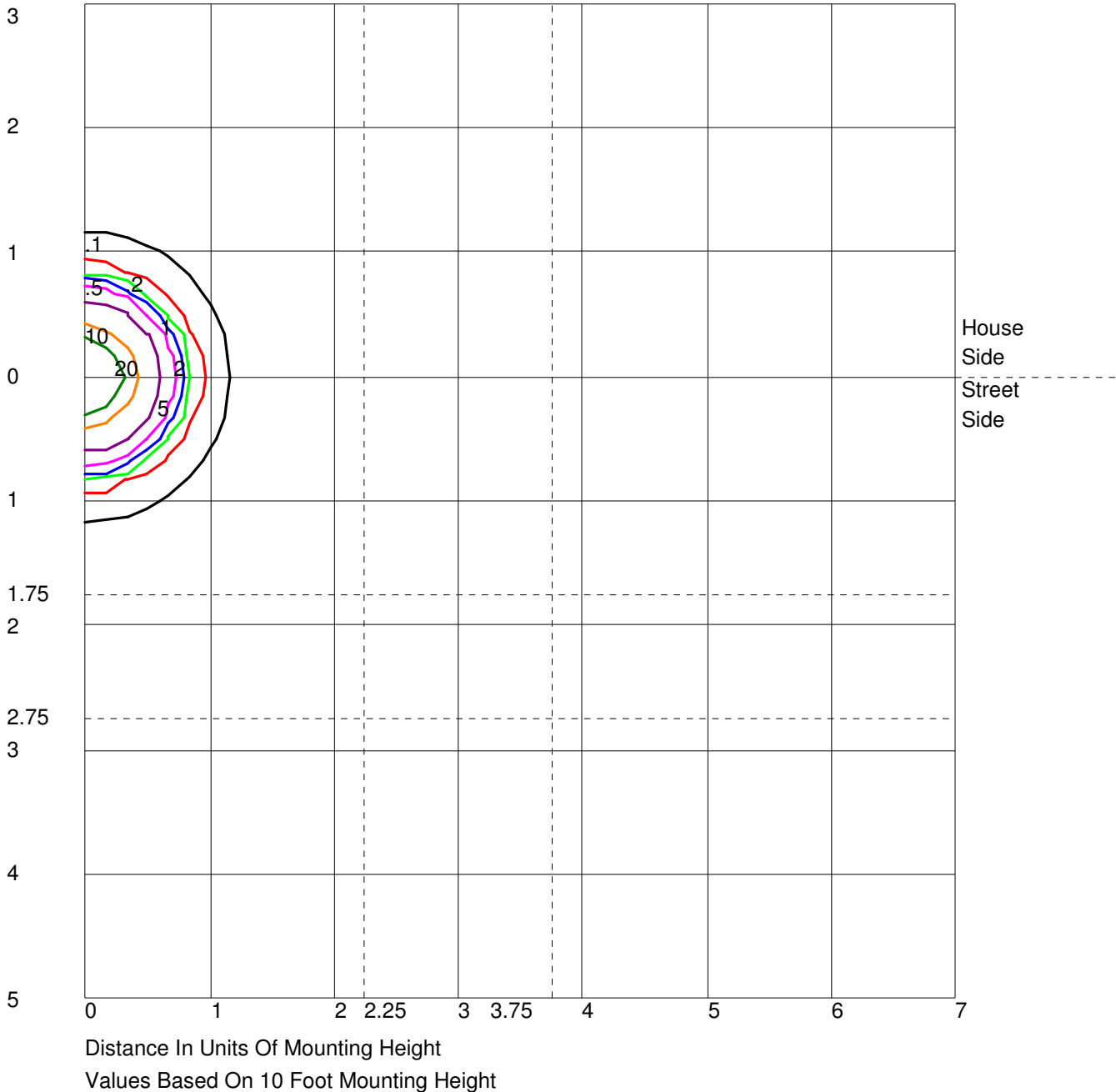
POLAR GRAPH



Maximum Candela = 29953.188 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

