

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-930-XXX-DIM-UNV-N-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W6CR_Angela-M_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L30-930-xxx-DIM-UNV-N-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH NARROW DIST.
[LAMPCAT] BL V18 COB
[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	2643
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7787.9
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	7787.9
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.238 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.232 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-930-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1036.0	N.A.	39.2
FM - Front-Medium (30-60)	264.9	N.A.	10.0
FH - Front-High (60-80)	19.6	N.A.	0.7
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	1036.0	N.A.	39.2
BM - Back-Medium (30-60)	264.9	N.A.	10.0
BH - Back-High (60-80)	19.6	N.A.	0.7
BVH - Back-Very High (80-90)	0.8	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	2642.8	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-930-XXX-DIM-UNV-N-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	7787.900	7787.900	7787.900	7787.900	7787.900
1	7737.806	7735.633	7736.977	7736.910	7734.089
2	7601.163	7599.133	7598.190	7598.695	7595.836
3	7382.413	7378.105	7377.257	7378.744	7372.482
4	7081.708	7079.326	7075.361	7076.257	7072.378
5	6705.958	6704.490	6709.456	6709.932	6712.000
6	6281.515	6280.038	6287.462	6296.698	6304.751
7	5823.724	5826.145	5840.231	5855.652	5861.876
8	5348.253	5354.915	5373.176	5395.736	5403.046
9	4884.201	4890.148	4912.107	4940.975	4954.252
10	4442.640	4448.530	4473.920	4503.447	4520.068
11	4031.703	4036.706	4060.838	4091.880	4110.084
12	3656.429	3662.538	3685.269	3715.319	3728.367
13	3321.661	3328.142	3352.140	3384.402	3389.339
14	3027.094	3037.377	3061.214	3081.114	3090.225
15	2778.713	2779.894	2796.707	2818.827	2830.979
16	2546.496	2553.625	2576.403	2596.580	2612.467
17	2357.167	2362.847	2376.667	2396.967	2407.270
18	2196.049	2200.710	2212.919	2230.818	2238.957
19	2061.065	2064.668	2075.161	2088.533	2097.034
20	1948.516	1949.794	1957.752	1967.854	1974.793
21	1850.531	1849.387	1855.935	1863.969	1869.821
22	1767.222	1761.876	1767.518	1773.465	1779.269
23	1692.558	1684.877	1689.537	1693.521	1700.088
24	1621.735	1616.141	1617.523	1620.754	1627.692
25	1557.117	1551.865	1550.512	1552.637	1558.127
26	1493.184	1488.352	1484.378	1486.656	1490.582
27	1428.613	1421.837	1417.129	1417.596	1422.924
28	1357.009	1349.146	1340.673	1340.787	1345.877
29	1272.023	1267.677	1258.127	1258.480	1265.733
30	1182.472	1176.487	1159.389	1162.677	1169.072
31	1071.048	1065.615	1052.406	1052.034	1058.887
32	946.128	943.507	932.938	937.179	940.896
33	813.946	812.945	806.083	813.155	817.320
34	681.335	682.288	680.201	688.464	692.238
35	557.264	558.522	560.923	571.331	573.771
36	448.413	449.099	456.400	467.465	470.314
37	357.108	361.359	368.269	381.250	380.868
38	285.951	291.536	300.905	307.891	309.369
39	240.404	239.041	247.075	253.928	255.405
40	200.251	203.520	211.745	216.053	219.999
41	176.691	178.616	183.048	186.002	187.613
42	159.964	160.994	164.320	166.188	167.074
43	147.098	147.755	150.414	151.491	152.454
44	136.357	137.014	138.882	139.797	140.178
45	126.893	127.617	129.294	129.742	130.162
46	118.124	118.896	120.307	120.907	121.250
47	109.852	110.566	111.929	112.539	112.873
48	102.046	102.770	104.057	104.762	105.096
49	94.755	95.403	96.613	97.357	97.671
50	87.893	88.417	89.627	90.352	90.676
51	81.478	81.984	83.099	83.842	84.176
52	75.522	75.951	76.999	77.752	78.009

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-930-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	69.956	70.375	71.338	72.100	72.329
54	64.838	65.209	66.058	66.773	67.020
55	59.977	60.282	61.121	61.740	62.026
56	55.250	55.545	56.327	56.908	57.175
57	50.770	51.066	51.790	52.305	52.572
58	46.739	46.996	47.654	48.121	48.388
59	43.022	43.241	43.832	44.270	44.528
60	39.591	39.800	40.353	40.725	40.963
61	36.484	36.655	37.160	37.494	37.666
62	33.644	33.815	34.244	34.549	34.692
63	31.042	31.194	31.594	31.842	31.957
64	28.697	28.773	29.155	29.364	29.431
65	26.534	26.591	26.934	27.096	27.163
66	24.494	24.561	24.828	24.990	25.018
67	22.616	22.683	22.921	23.045	23.074
68	20.882	20.949	21.139	21.244	21.254
69	19.271	19.290	19.481	19.557	19.548
70	17.746	17.765	17.918	17.975	17.956
71	16.307	16.307	16.431	16.479	16.441
72	14.963	14.925	15.030	15.059	15.049
73	13.629	13.600	13.686	13.696	13.667
74	12.342	12.323	12.380	12.400	12.371
75	11.113	11.084	11.122	11.151	11.113
76	9.893	9.864	9.893	9.912	9.893
77	8.683	8.673	8.711	8.711	8.711
78	7.501	7.491	7.529	7.529	7.548
79	6.319	6.309	6.367	6.376	6.386
80	5.137	5.137	5.194	5.232	5.223
81	3.869	3.908	3.936	3.965	3.946
82	2.249	2.306	2.364	2.354	2.373
83	1.125	1.125	1.220	1.268	1.344
84	1.020	1.020	1.029	1.020	1.020
85	0.944	0.944	0.944	0.944	0.944
86	0.839	0.848	0.848	0.839	0.848
87	0.715	0.715	0.724	0.715	0.715
88	0.553	0.562	0.562	0.553	0.553
89	0.372	0.372	0.372	0.372	0.372
90	0.210	0.219	0.229	0.238	0.238
91	0.200	0.210	0.200	0.200	0.191
92	0.210	0.210	0.210	0.210	0.191
93	0.210	0.210	0.210	0.210	0.191
94	0.210	0.219	0.219	0.210	0.200
95	0.219	0.219	0.219	0.210	0.210
96	0.219	0.229	0.229	0.219	0.229
97	0.238	0.238	0.238	0.238	0.238
98	0.248	0.248	0.238	0.248	0.248
99	0.257	0.267	0.257	0.248	0.257
100	0.257	0.267	0.267	0.257	0.257
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

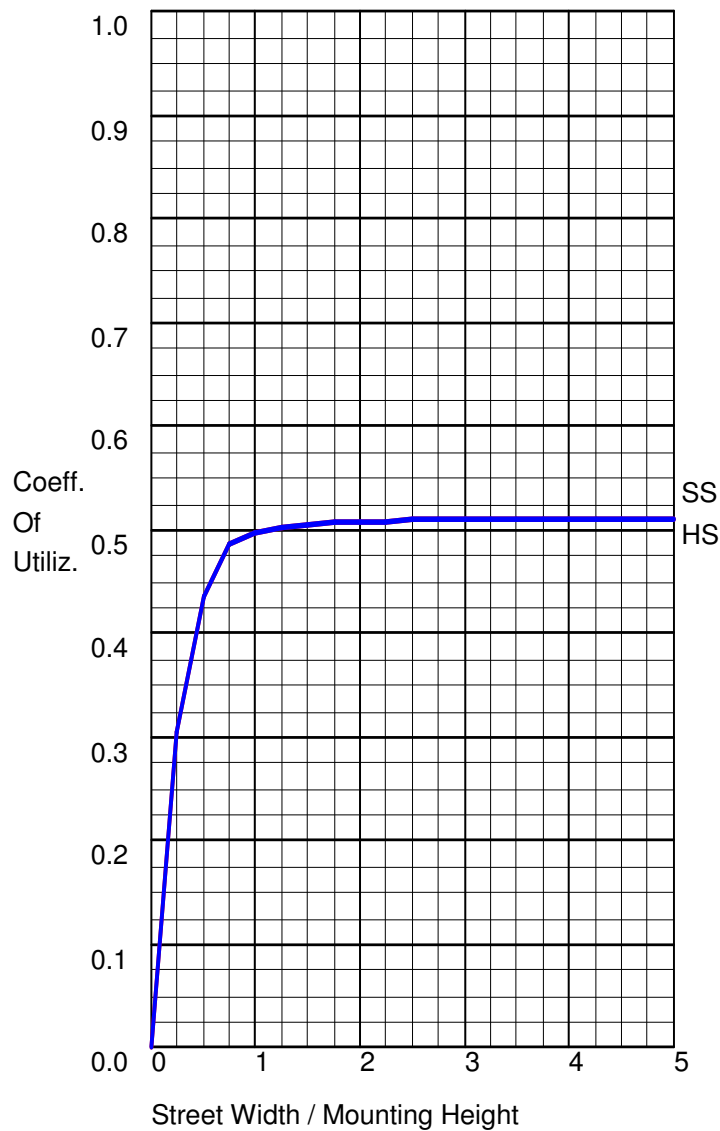
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-930-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L30-930-XXX-DIM-UNV-N-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

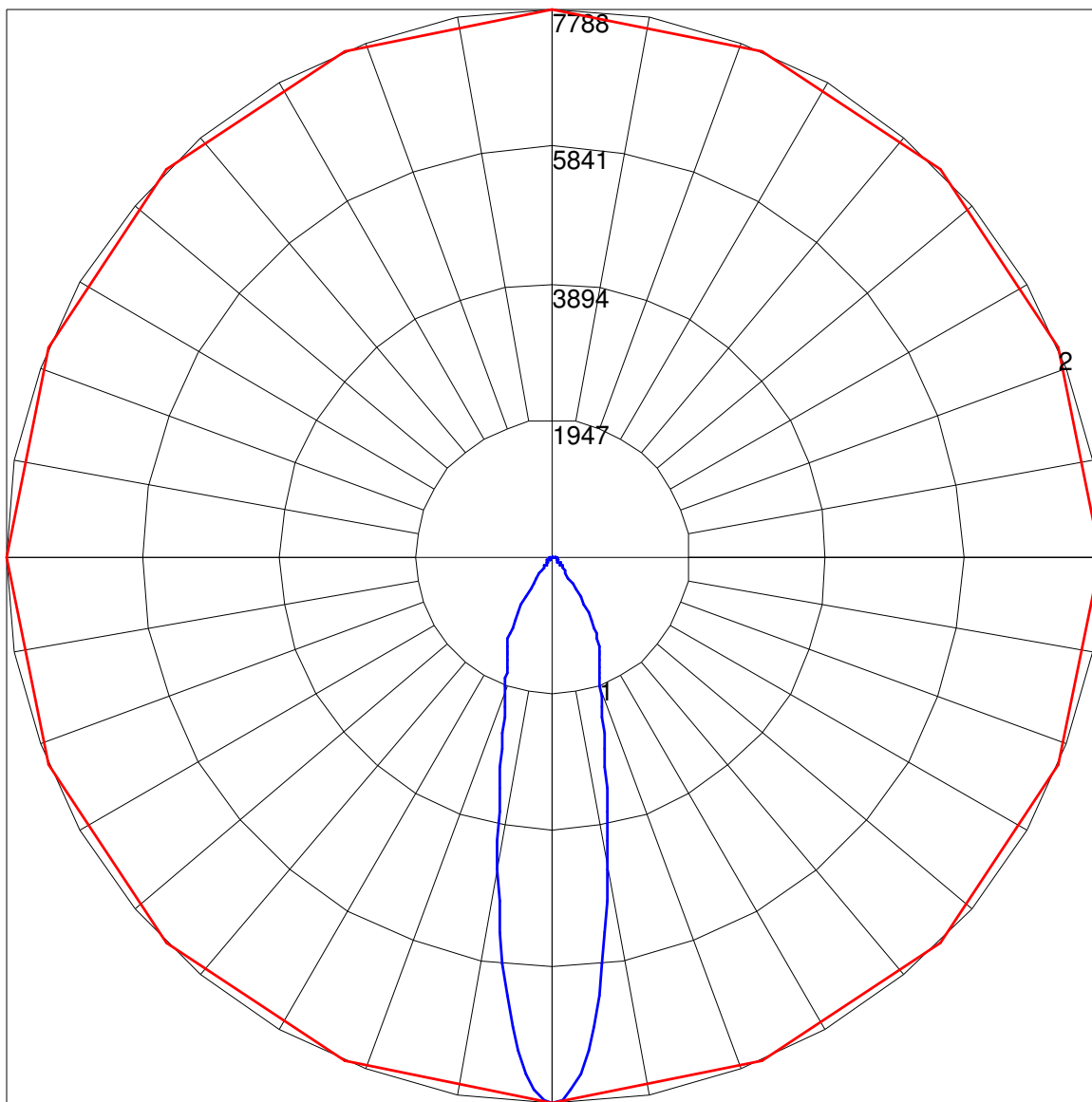
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1321.2	50.0
Downward House Side	1321.2	50.0
Downward Total	2642.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2642.6	100.0

POLAR GRAPH



Maximum Candela = 7787.9 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

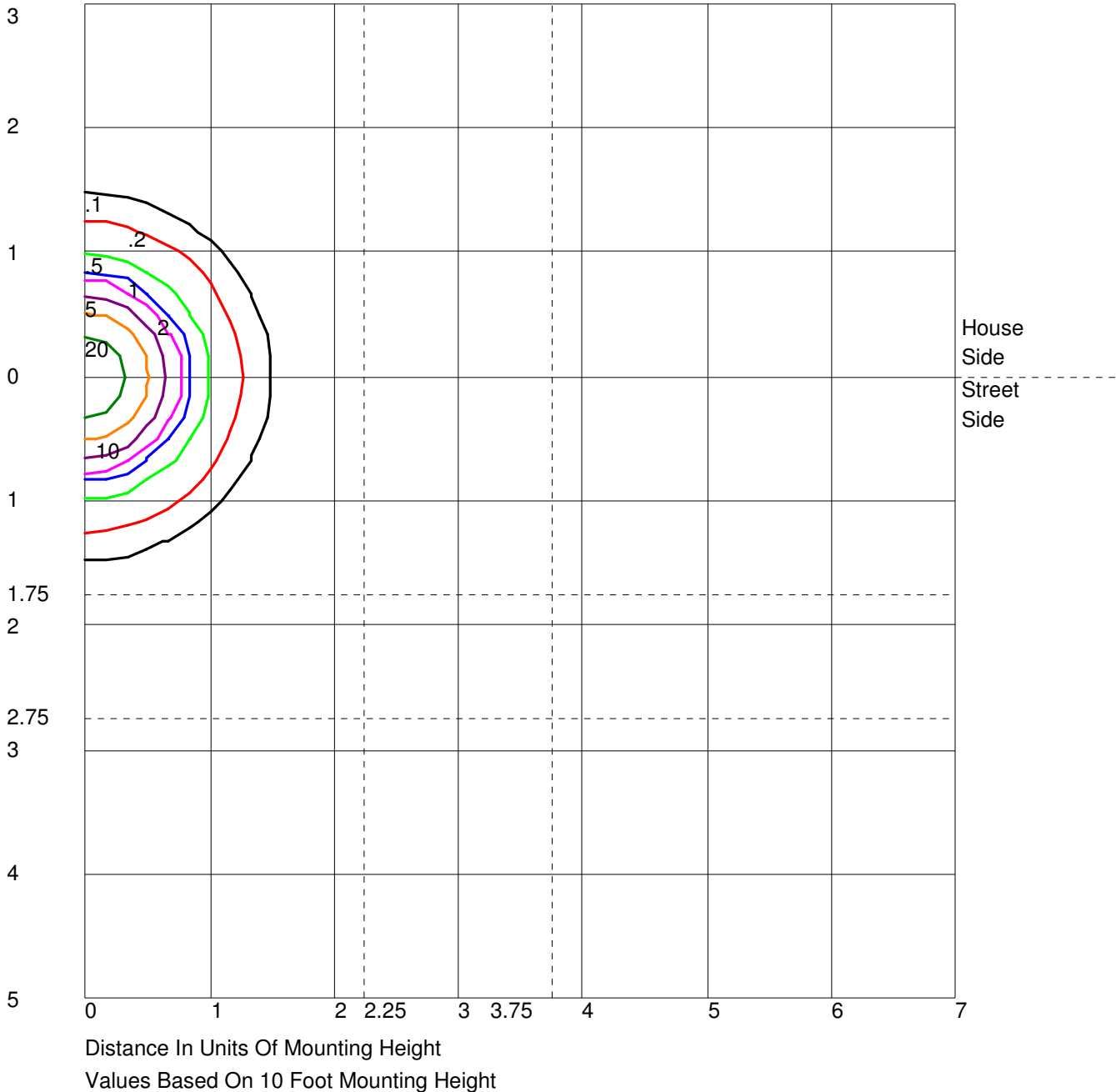


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