

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-830-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-L40-830-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	3685
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7845.851
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	7845.851
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.282 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.121 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-830-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1543.3	N.A.	41.9
FM - Front-Medium (30-60)	278.8	N.A.	7.6
FH - Front-High (60-80)	19.4	N.A.	0.5
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1543.3	N.A.	41.9
BM - Back-Medium (30-60)	278.8	N.A.	7.6
BH - Back-High (60-80)	19.4	N.A.	0.5
BVH - Back-Very High (80-90)	0.9	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	3685.1	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-830-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	7828.063	7828.063	7828.063	7828.063	7828.063
1	7838.126	7837.931	7834.392	7831.870	7828.700
2	7845.851	7840.967	7831.307	7822.076	7812.686
3	7841.567	7835.629	7818.294	7801.032	7785.973
4	7827.879	7815.233	7789.022	7763.288	7747.703
5	7778.713	7763.337	7728.740	7693.726	7676.476
6	7692.893	7672.497	7625.192	7582.111	7560.148
7	7549.631	7524.657	7471.659	7428.369	7396.196
8	7349.393	7324.687	7271.481	7231.656	7190.644
9	7091.198	7072.443	7026.876	6990.675	6948.499
10	6783.556	6778.585	6740.523	6712.341	6680.523
11	6440.863	6444.720	6421.630	6401.589	6373.848
12	6080.884	6083.112	6074.885	6068.568	6042.014
13	5710.119	5712.739	5718.995	5719.975	5694.877
14	5329.499	5331.948	5352.528	5360.326	5338.889
15	4948.402	4953.360	4980.514	4995.585	4978.090
16	4574.222	4581.384	4609.431	4630.219	4617.095
17	4210.998	4226.877	4246.453	4273.925	4262.356
18	3866.984	3883.964	3902.719	3926.825	3919.773
19	3545.850	3557.652	3580.839	3602.264	3592.127
20	3257.551	3257.832	3280.812	3303.264	3296.103
21	2982.204	2982.841	3003.384	3026.094	3016.006
22	2740.635	2736.032	2757.738	2776.616	2771.351
23	2531.361	2524.040	2544.534	2558.699	2558.650
24	2347.013	2340.709	2357.052	2368.156	2369.038
25	2183.441	2180.136	2189.868	2200.752	2200.115
26	2040.424	2035.613	2039.518	2050.194	2045.688
27	1906.479	1899.305	1901.667	1908.682	1907.054
28	1774.786	1765.849	1763.070	1771.125	1781.752
29	1636.972	1631.095	1625.378	1629.724	1634.903
30	1496.526	1485.397	1474.391	1483.206	1486.083
31	1333.884	1326.391	1316.095	1321.335	1325.412
32	1161.068	1157.310	1146.940	1156.673	1157.567
33	981.311	979.977	973.244	983.540	985.866
34	803.464	804.431	801.799	812.438	813.895
35	639.366	640.137	641.214	654.204	654.326
36	496.459	499.838	502.874	517.797	515.888
37	377.731	382.309	390.426	398.837	399.069
38	294.286	288.923	298.522	310.544	308.095
39	221.798	225.813	237.921	239.745	247.642
40	181.189	182.242	187.825	192.954	195.868
41	151.330	154.231	158.088	159.287	160.536
42	132.525	133.223	136.051	138.402	137.373
43	118.740	119.340	121.140	121.434	121.103
44	108.004	108.738	109.742	109.509	108.897
45	99.066	99.887	100.487	99.936	99.360
46	91.195	91.929	92.431	91.745	91.170
47	83.886	84.633	85.061	84.400	83.678
48	77.299	77.997	78.389	77.740	76.993
49	71.398	71.974	72.317	71.692	70.909
50	66.012	66.452	66.795	66.195	65.449
51	61.176	61.580	61.837	61.286	60.588
52	56.854	57.173	57.356	56.903	56.193

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-830-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	53.022	53.230	53.402	53.010	52.312
54	49.582	49.741	49.864	49.472	48.860
55	46.411	46.497	46.632	46.240	45.726
56	43.351	43.473	43.534	43.228	42.812
57	40.596	40.682	40.719	40.449	40.119
58	38.160	38.221	38.246	37.989	37.682
59	35.969	35.993	35.981	35.748	35.491
60	33.973	33.961	33.949	33.728	33.508
61	32.149	32.100	32.075	31.867	31.659
62	30.459	30.410	30.349	30.153	29.945
63	28.905	28.819	28.758	28.550	28.341
64	27.374	27.301	27.227	27.019	26.823
65	25.930	25.868	25.771	25.575	25.379
66	24.510	24.448	24.326	24.142	23.946
67	23.138	23.077	22.955	22.759	22.587
68	21.792	21.730	21.608	21.400	21.241
69	20.445	20.396	20.274	20.078	19.894
70	19.135	19.062	18.951	18.768	18.572
71	17.825	17.727	17.629	17.458	17.274
72	16.503	16.405	16.319	16.148	16.001
73	15.181	15.095	15.009	14.862	14.691
74	13.859	13.797	13.699	13.577	13.455
75	12.573	12.524	12.426	12.316	12.206
76	11.275	11.251	11.153	11.067	10.982
77	10.014	9.990	9.916	9.855	9.782
78	8.729	8.717	8.680	8.606	8.594
79	7.443	7.431	7.407	7.382	7.370
80	6.097	6.121	6.097	6.121	6.072
81	4.615	4.664	4.628	4.628	4.579
82	2.608	2.669	2.706	2.730	2.755
83	1.175	1.200	1.359	1.457	1.567
84	1.077	1.090	1.090	1.077	1.077
85	0.992	0.992	0.992	0.992	0.992
86	0.881	0.881	0.894	0.881	0.881
87	0.747	0.747	0.747	0.759	0.747
88	0.575	0.588	0.588	0.588	0.575
89	0.392	0.404	0.404	0.404	0.404
90	0.233	0.245	0.269	0.282	0.282
91	0.233	0.245	0.245	0.245	0.233
92	0.233	0.233	0.245	0.245	0.245
93	0.233	0.245	0.245	0.245	0.245
94	0.233	0.245	0.245	0.245	0.245
95	0.245	0.245	0.245	0.257	0.245
96	0.245	0.245	0.257	0.257	0.245
97	0.245	0.257	0.257	0.257	0.245
98	0.245	0.269	0.269	0.257	0.257
99	0.257	0.269	0.269	0.269	0.257
100	0.257	0.269	0.269	0.269	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

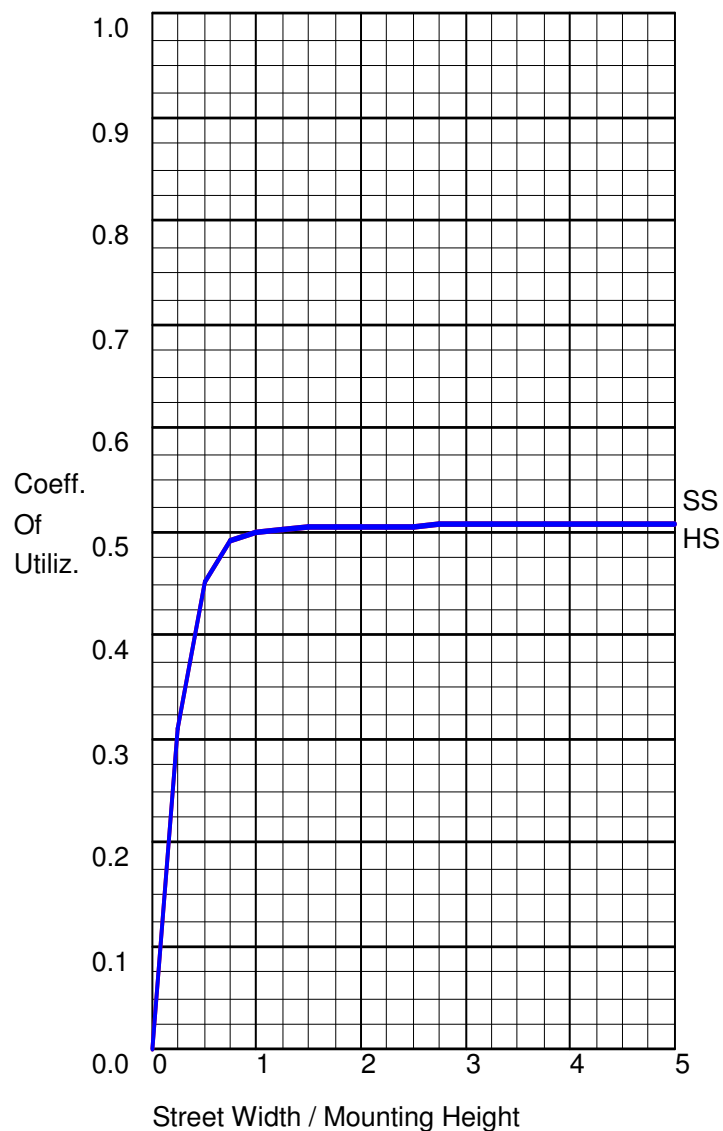
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-830-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L40-830-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

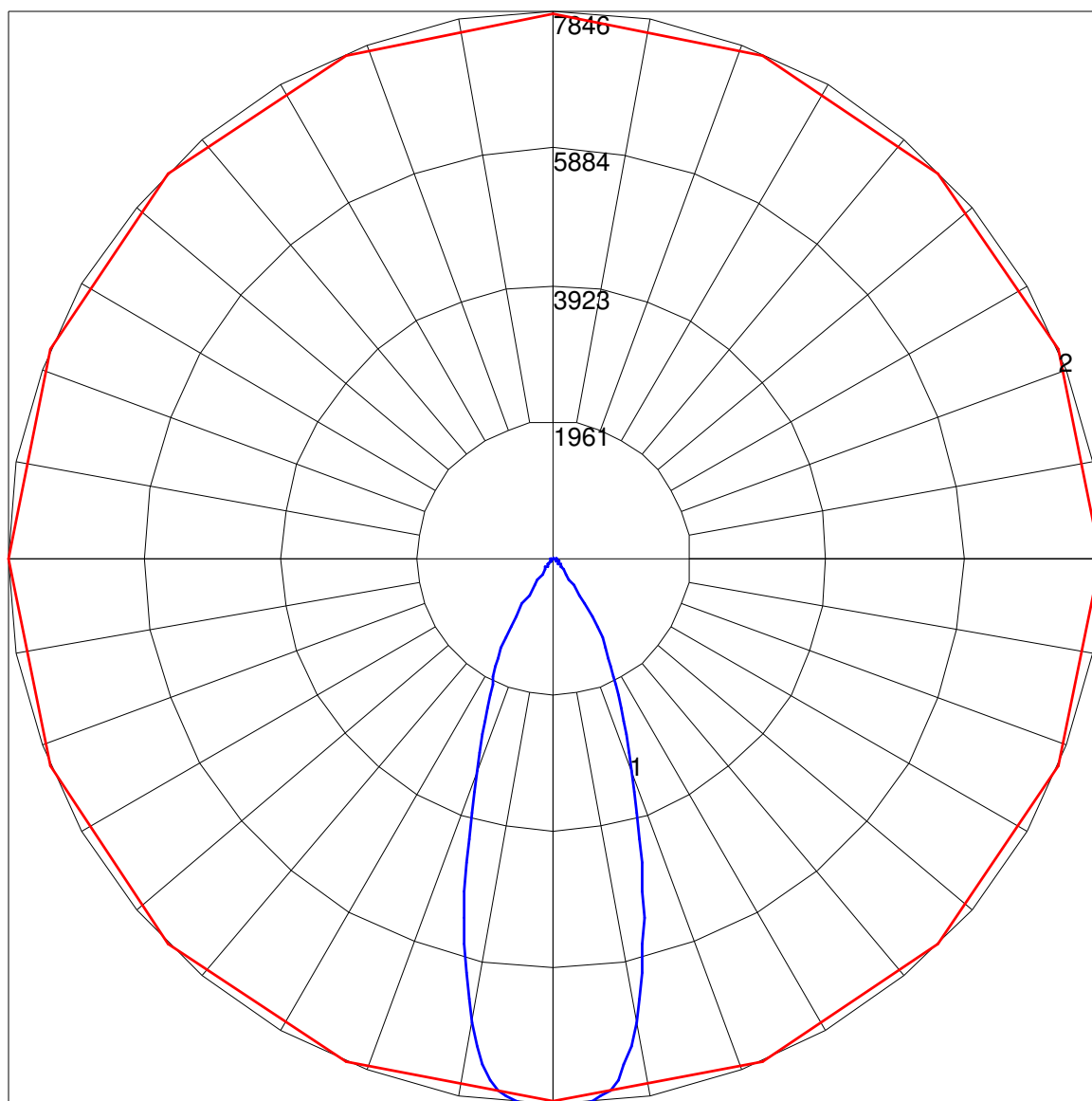
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1842.4	50.0
Downward House Side	1842.4	50.0
Downward Total	3684.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3685.0	100.0

POLAR GRAPH



Maximum Candela = 7845.851 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

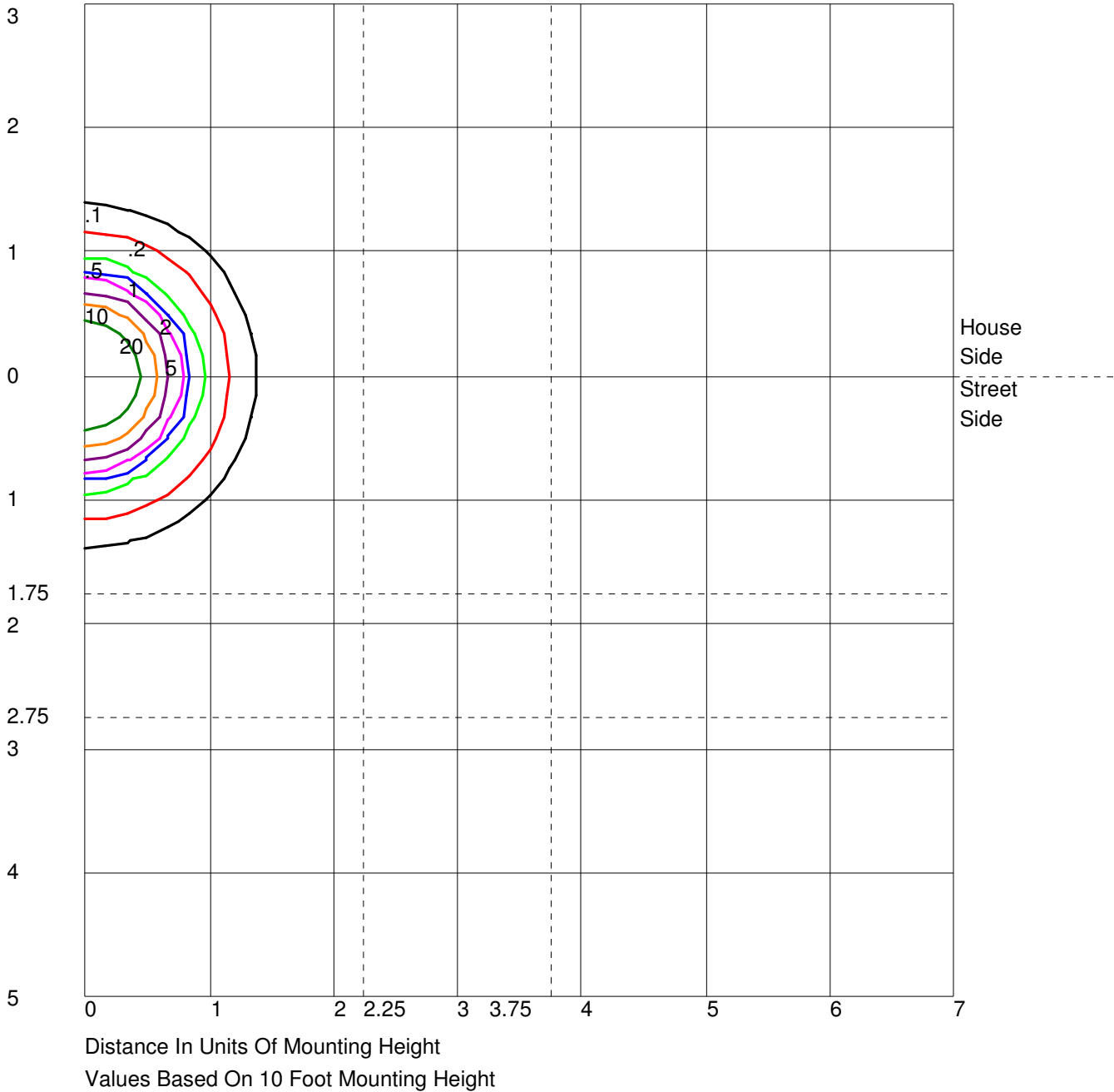


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