

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CR-XX-L25-930-XXX-DIM-UNV-S-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W4CR_BARBARA-SPOT DISTRIBUTION
[TESTLAB] LEDIL INC.
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] W4CR-xx-L25-930-xxx-DIM-UNV-S-xxx
[LUMINAIRE] 4 INCH ROUND OUTDOOR LED CYLINDER
[MORE] WITH SPOT DISTRIBUTION & MICROPRISM LENS
[MORE] 0-10 LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2720
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	23.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12190.881
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	12190.881
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.125 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.554 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L25-930-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1234.6	N.A.	45.4
FM - Front-Medium (30-60)	121.3	N.A.	4.5
FH - Front-High (60-80)	3.6	N.A.	0.1
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	1234.6	N.A.	45.4
BM - Back-Medium (30-60)	121.3	N.A.	4.5
BH - Back-High (60-80)	3.6	N.A.	0.1
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	2719.5	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	12190.881	12190.881	12190.881	12190.881	12190.881
1	12168.583	12163.380	12164.426	12159.857	12164.533
2	12015.675	12013.574	12005.492	12001.683	12014.736
3	11750.368	11741.061	11733.899	11726.550	11755.821
4	11353.511	11350.462	11338.240	11334.602	11370.623
5	10822.672	10813.097	10809.655	10805.078	10850.513
6	10156.306	10152.775	10155.975	10162.868	10200.534
7	9373.124	9376.763	9399.221	9419.552	9434.688
8	8501.628	8517.462	8560.877	8597.667	8587.296
9	7601.041	7624.724	7692.573	7741.245	7701.808
10	6724.109	6752.835	6837.313	6896.865	6829.991
11	5889.412	5923.046	6021.150	6081.542	5998.566
12	5118.801	5163.995	5259.630	5331.020	5236.564
13	4448.563	4486.641	4587.328	4663.160	4568.749
14	3868.320	3900.041	3994.577	4067.817	3980.478
15	3368.469	3399.475	3493.331	3560.358	3473.341
16	2950.495	2983.441	3051.701	3111.468	3035.778
17	2617.384	2620.048	2687.718	2736.175	2677.883
18	2307.392	2328.169	2380.435	2419.630	2375.232
19	2062.111	2073.653	2130.139	2164.908	2132.338
20	1857.161	1872.583	1911.295	1940.485	1908.058
21	1690.940	1700.229	1733.166	1757.242	1726.344
22	1549.824	1558.693	1584.424	1600.508	1574.321
23	1431.855	1436.495	1456.307	1469.727	1446.151
24	1329.094	1331.570	1347.279	1354.717	1334.387
25	1235.774	1238.840	1248.800	1251.035	1233.932
26	1151.626	1151.403	1155.381	1153.870	1138.958
27	1064.770	1060.389	1061.945	1059.128	1045.512
28	972.022	966.908	965.343	963.698	953.801
29	874.392	869.609	867.857	870.709	863.118
30	770.567	768.868	767.483	773.374	769.074
31	665.705	666.116	666.491	676.013	673.447
32	564.427	566.359	567.262	579.751	580.878
33	465.546	469.265	472.538	485.171	490.821
34	373.889	380.263	384.510	397.983	406.799
35	295.615	301.042	302.830	315.562	328.069
36	222.214	229.984	235.554	243.967	257.780
37	164.897	174.839	177.155	184.593	199.756
38	121.340	128.251	130.155	138.934	150.476
39	92.078	93.168	96.432	102.189	109.055
40	66.553	69.449	73.946	78.122	81.885
41	50.218	52.623	55.681	59.150	62.994
42	39.088	41.099	44.166	46.848	49.897
43	31.640	33.062	35.914	38.274	40.491
44	26.473	27.501	29.968	32.069	33.026
45	22.718	23.495	25.641	27.259	27.689
46	19.991	20.563	22.432	23.603	23.871
47	17.890	18.364	19.955	20.769	20.912
48	16.227	16.683	17.988	18.569	18.650
49	14.922	15.297	16.468	16.835	16.844
50	13.858	14.188	15.199	15.440	15.395
51	12.919	13.232	14.135	14.305	14.215
52	12.061	12.329	13.125	13.178	12.990

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53	11.274	11.515	12.204	12.150	11.900
54	10.585	10.818	11.390	11.238	10.952
55	9.986	10.183	10.666	10.451	10.103
56	9.450	9.593	10.022	9.772	9.352
57	8.940	9.057	9.396	9.155	8.717
58	8.458	8.556	8.842	8.601	8.189
59	8.011	8.082	8.297	8.082	7.698
60	7.564	7.626	7.796	7.581	7.206
61	7.117	7.170	7.322	7.117	6.759
62	6.670	6.714	6.848	6.643	6.294
63	6.223	6.276	6.383	6.178	5.847
64	5.784	5.829	5.936	5.722	5.400
65	5.355	5.409	5.489	5.284	4.980
66	4.935	4.980	5.060	4.864	4.551
67	4.533	4.586	4.658	4.479	4.166
68	4.166	4.202	4.282	4.086	3.791
69	3.809	3.853	3.925	3.737	3.433
70	3.469	3.514	3.594	3.388	3.084
71	3.147	3.183	3.263	3.058	2.754
72	2.834	2.870	2.932	2.736	2.441
73	2.521	2.557	2.611	2.405	2.146
74	2.199	2.235	2.271	2.092	1.824
75	1.869	1.895	1.904	1.761	1.493
76	1.547	1.565	1.520	1.430	1.189
77	1.261	1.270	1.189	1.109	0.912
78	0.975	0.948	0.823	0.760	0.671
79	0.608	0.626	0.599	0.590	0.563
80	0.554	0.554	0.554	0.545	0.527
81	0.519	0.519	0.527	0.519	0.492
82	0.492	0.492	0.501	0.492	0.465
83	0.456	0.456	0.465	0.465	0.438
84	0.420	0.420	0.420	0.411	0.402
85	0.367	0.375	0.384	0.375	0.358
86	0.322	0.322	0.322	0.322	0.313
87	0.268	0.268	0.268	0.268	0.259
88	0.206	0.206	0.215	0.206	0.197
89	0.152	0.143	0.152	0.143	0.143
90	0.125	0.107	0.116	0.107	0.107
91	0.116	0.107	0.107	0.107	0.098
92	0.107	0.107	0.107	0.107	0.098
93	0.116	0.107	0.107	0.107	0.098
94	0.116	0.107	0.107	0.107	0.098
95	0.116	0.107	0.107	0.107	0.098
96	0.116	0.116	0.107	0.107	0.098
97	0.116	0.116	0.107	0.107	0.107
98	0.116	0.116	0.107	0.107	0.098
99	0.116	0.116	0.107	0.116	0.098
100	0.116	0.116	0.107	0.116	0.107
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

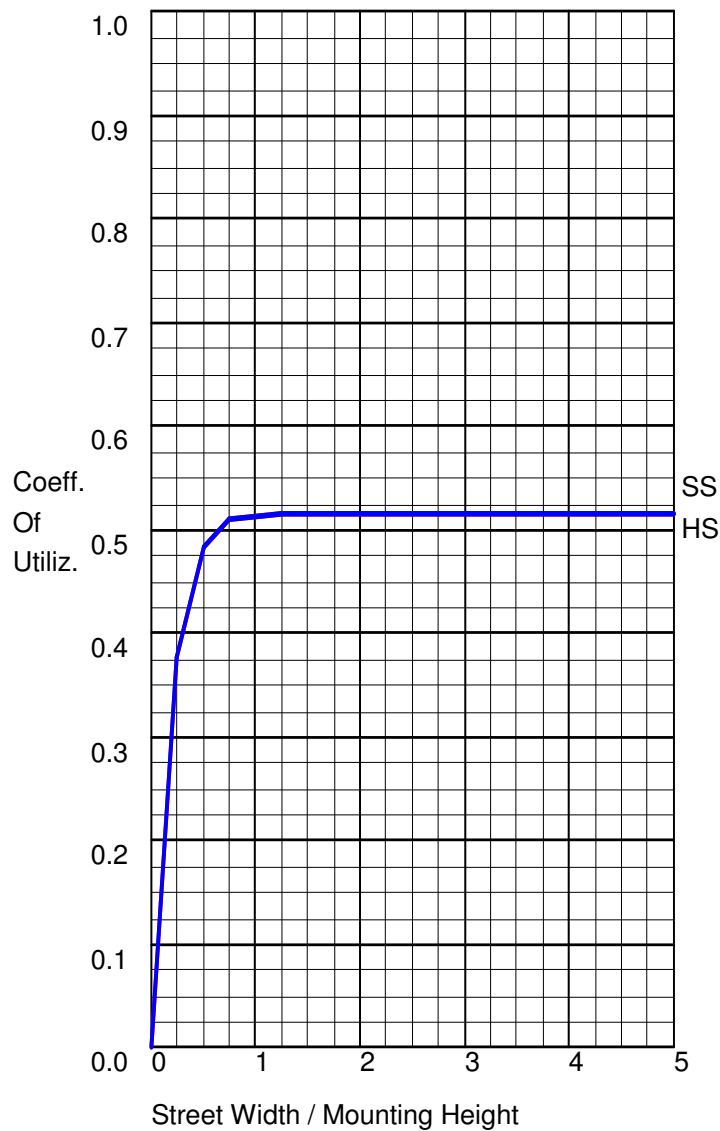
IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L25-930-XXX-DIM-UNV-S-XXX_.IES****CANDELA TABULATION - (Cont.)**

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 : W4CR-XX-L25-930-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

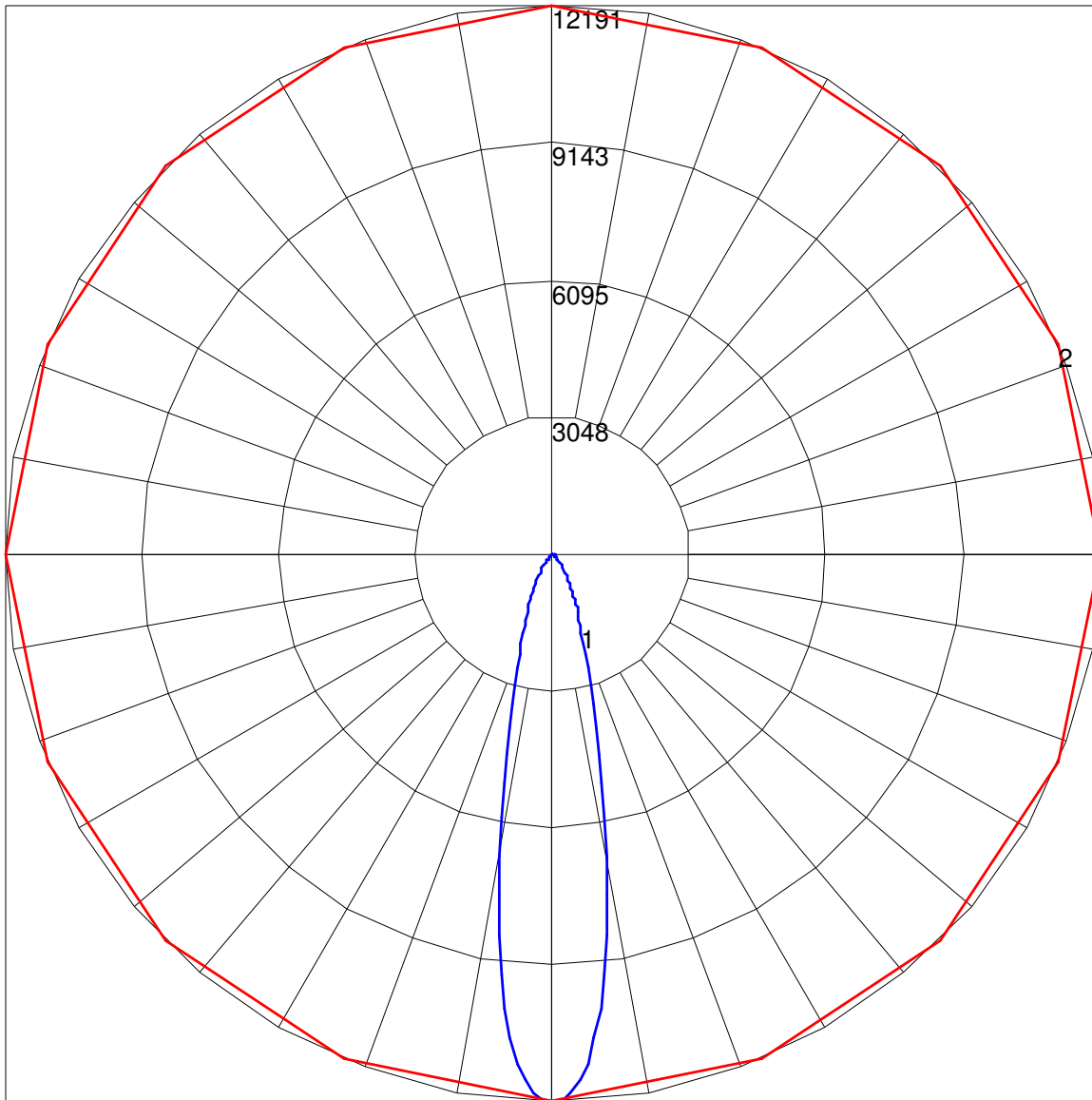
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1359.7	50.0
Downward House Side	1359.7	50.0
Downward Total	2719.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2719.6	100.0

POLAR GRAPH



Maximum Candela = 12190.881 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

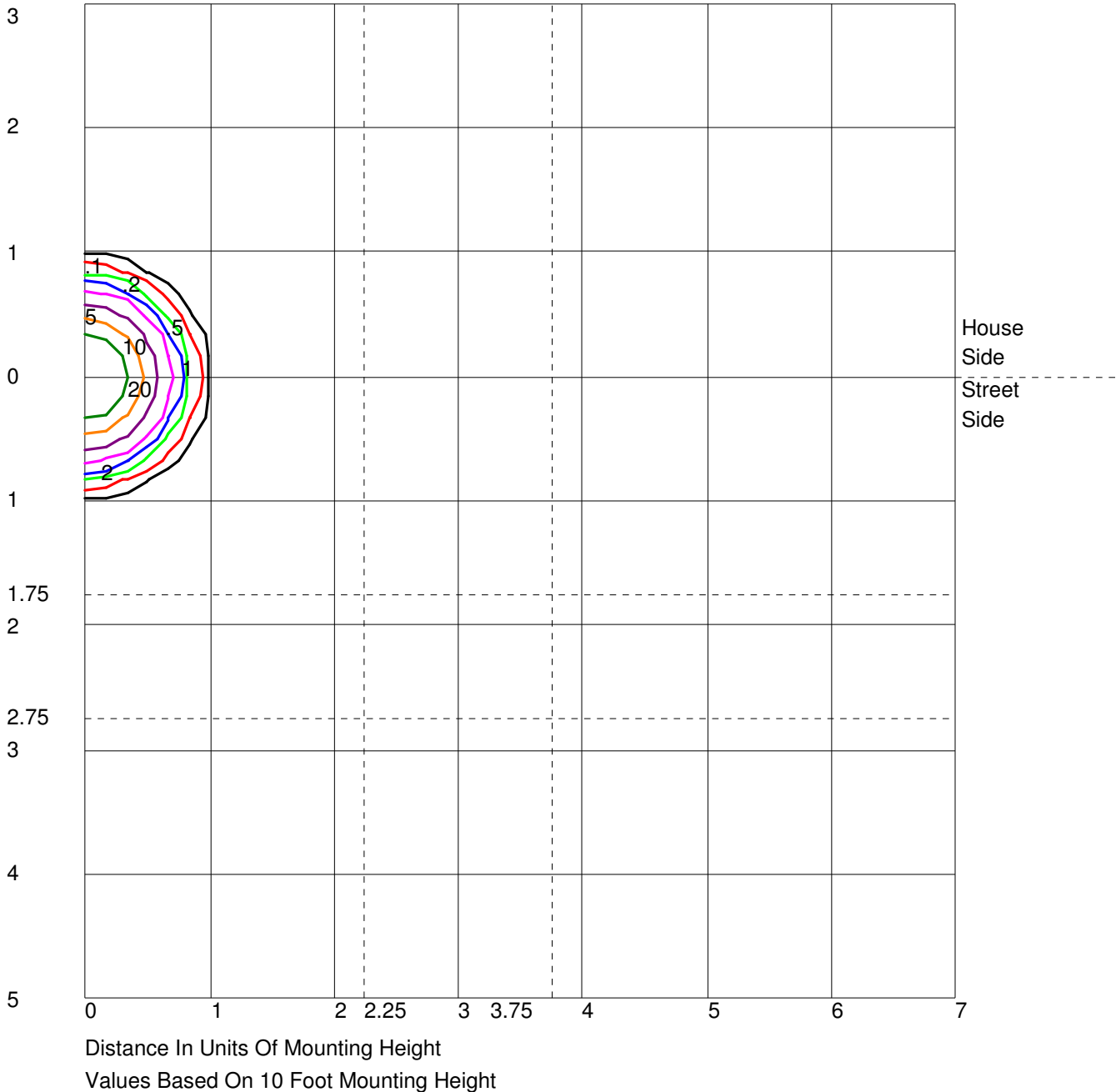


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