

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CR-XX-L10-850-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-L10-850-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	1149
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	9.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5152.106
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	5152.106
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.053 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.234 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L10-850-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	521.8	N.A.	45.4
FM - Front-Medium (30-60)	51.3	N.A.	4.5
FH - Front-High (60-80)	1.5	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	521.8	N.A.	45.4
BM - Back-Medium (30-60)	51.3	N.A.	4.5
BH - Back-High (60-80)	1.5	N.A.	0.1
BVH - Back-Very High (80-90)	0.1	N.A.	0.0
UL - Uplight-Low (90-100)	< 0.05	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	1149.4	N.A.	100.0
BUG Rating	B2-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	5152.106	5152.106	5152.106	5152.106	5152.106
1	5142.682	5140.483	5140.925	5138.995	5140.971
2	5078.060	5077.172	5073.757	5072.147	5077.664
3	4965.936	4962.003	4958.976	4955.871	4968.241
4	4798.217	4796.928	4791.763	4790.225	4805.449
5	4573.874	4569.827	4568.373	4566.438	4585.640
6	4292.255	4290.762	4292.115	4295.028	4310.946
7	3961.266	3962.804	3972.296	3980.888	3987.285
8	3592.955	3599.647	3617.995	3633.543	3629.160
9	3212.349	3222.358	3251.032	3271.602	3254.936
10	2841.741	2853.881	2889.583	2914.751	2886.488
11	2488.981	2503.196	2544.656	2570.179	2535.112
12	2163.306	2182.406	2222.823	2252.994	2213.075
13	1880.050	1896.142	1938.695	1970.743	1930.843
14	1634.828	1648.234	1688.187	1719.139	1682.228
15	1423.581	1436.685	1476.351	1504.677	1467.902
16	1246.937	1260.861	1289.709	1314.967	1282.979
17	1106.158	1107.284	1135.882	1156.361	1131.726
18	975.149	983.930	1006.019	1022.583	1003.820
19	871.489	876.367	900.239	914.933	901.168
20	784.873	791.390	807.751	820.087	806.383
21	714.624	718.550	732.470	742.645	729.587
22	654.986	658.734	669.609	676.406	665.339
23	605.130	607.091	615.464	621.135	611.172
24	561.701	562.748	569.386	572.530	563.938
25	522.262	523.558	527.767	528.712	521.484
26	486.700	486.605	488.287	487.648	481.346
27	449.993	448.141	448.799	447.609	441.854
28	410.796	408.634	407.973	407.278	403.095
29	369.535	367.514	366.773	367.979	364.771
30	325.657	324.939	324.353	326.843	325.026
31	281.340	281.514	281.672	285.696	284.612
32	238.538	239.354	239.736	245.014	245.490
33	196.749	198.321	199.704	205.043	207.431
34	158.013	160.707	162.502	168.196	171.921
35	124.933	127.226	127.982	133.363	138.649
36	93.912	97.196	99.550	103.105	108.943
37	69.689	73.890	74.869	78.013	84.421
38	51.280	54.201	55.006	58.716	63.594
39	38.914	39.375	40.754	43.187	46.089
40	28.126	29.351	31.251	33.016	34.606
41	21.223	22.240	23.532	24.998	26.623
42	16.519	17.369	18.665	19.799	21.087
43	13.372	13.973	15.178	16.175	17.112
44	11.188	11.622	12.665	13.553	13.957
45	9.601	9.930	10.836	11.520	11.702
46	8.449	8.690	9.480	9.975	10.088
47	7.561	7.761	8.433	8.777	8.838
48	6.858	7.051	7.602	7.848	7.882
49	6.306	6.465	6.960	7.115	7.119
50	5.857	5.996	6.423	6.525	6.506
51	5.460	5.592	5.974	6.045	6.008
52	5.097	5.210	5.547	5.569	5.490

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53	4.765	4.867	5.158	5.135	5.029
54	4.474	4.572	4.814	4.749	4.629
55	4.220	4.304	4.508	4.417	4.270
56	3.994	4.054	4.236	4.130	3.952
57	3.778	3.828	3.971	3.869	3.684
58	3.574	3.616	3.737	3.635	3.461
59	3.385	3.416	3.506	3.416	3.253
60	3.197	3.223	3.295	3.204	3.045
61	3.008	3.030	3.095	3.008	2.856
62	2.819	2.838	2.894	2.807	2.660
63	2.630	2.652	2.698	2.611	2.471
64	2.445	2.464	2.509	2.418	2.282
65	2.263	2.286	2.320	2.233	2.105
66	2.086	2.105	2.139	2.055	1.923
67	1.916	1.938	1.969	1.893	1.761
68	1.761	1.776	1.810	1.727	1.602
69	1.610	1.628	1.659	1.579	1.451
70	1.466	1.485	1.519	1.432	1.304
71	1.330	1.345	1.379	1.292	1.164
72	1.198	1.213	1.239	1.156	1.032
73	1.066	1.081	1.103	1.016	0.907
74	0.929	0.945	0.960	0.884	0.771
75	0.790	0.801	0.805	0.744	0.631
76	0.654	0.661	0.642	0.605	0.503
77	0.533	0.537	0.503	0.469	0.385
78	0.412	0.401	0.348	0.321	0.283
79	0.257	0.264	0.253	0.249	0.238
80	0.234	0.234	0.234	0.230	0.223
81	0.219	0.219	0.223	0.219	0.208
82	0.208	0.208	0.212	0.208	0.196
83	0.193	0.193	0.196	0.196	0.185
84	0.178	0.178	0.178	0.174	0.170
85	0.155	0.159	0.162	0.159	0.151
86	0.136	0.136	0.136	0.136	0.132
87	0.113	0.113	0.113	0.113	0.110
88	0.087	0.087	0.091	0.087	0.083
89	0.064	0.060	0.064	0.060	0.060
90	0.053	0.045	0.049	0.045	0.045
91	0.049	0.045	0.045	0.045	0.042
92	0.045	0.045	0.045	0.045	0.042
93	0.049	0.045	0.045	0.045	0.042
94	0.049	0.045	0.045	0.045	0.042
95	0.049	0.045	0.045	0.045	0.042
96	0.049	0.049	0.045	0.045	0.042
97	0.049	0.049	0.045	0.045	0.045
98	0.049	0.049	0.045	0.045	0.042
99	0.049	0.049	0.045	0.049	0.042
100	0.049	0.049	0.045	0.049	0.045
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

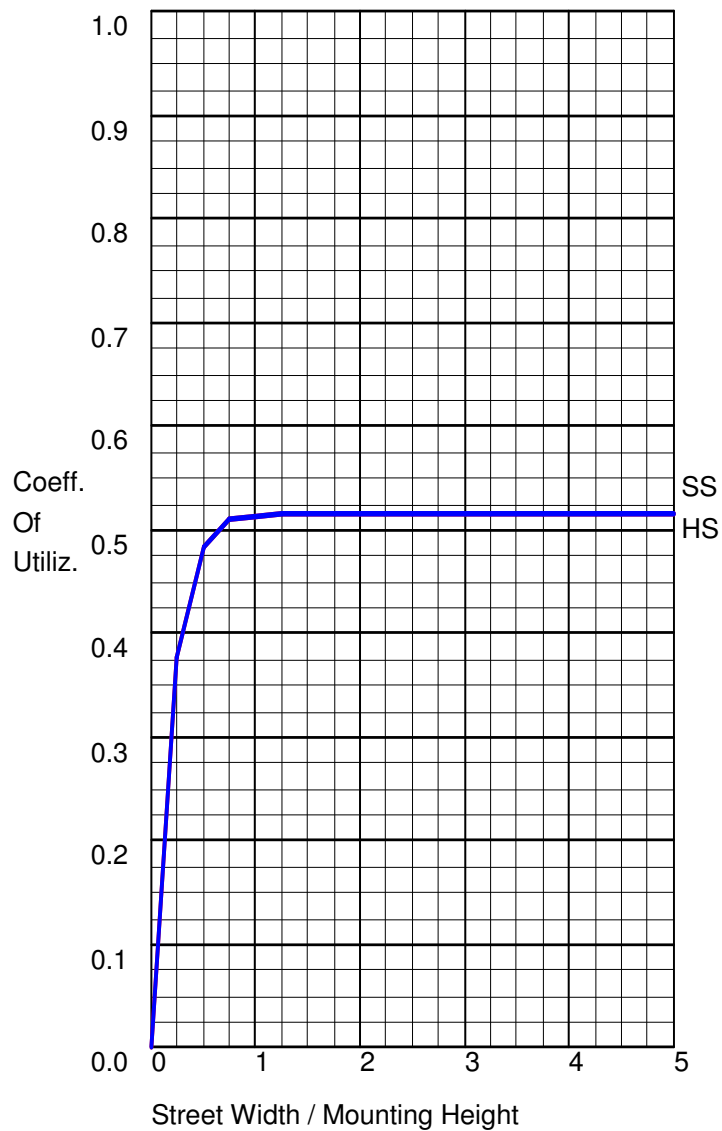
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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

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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

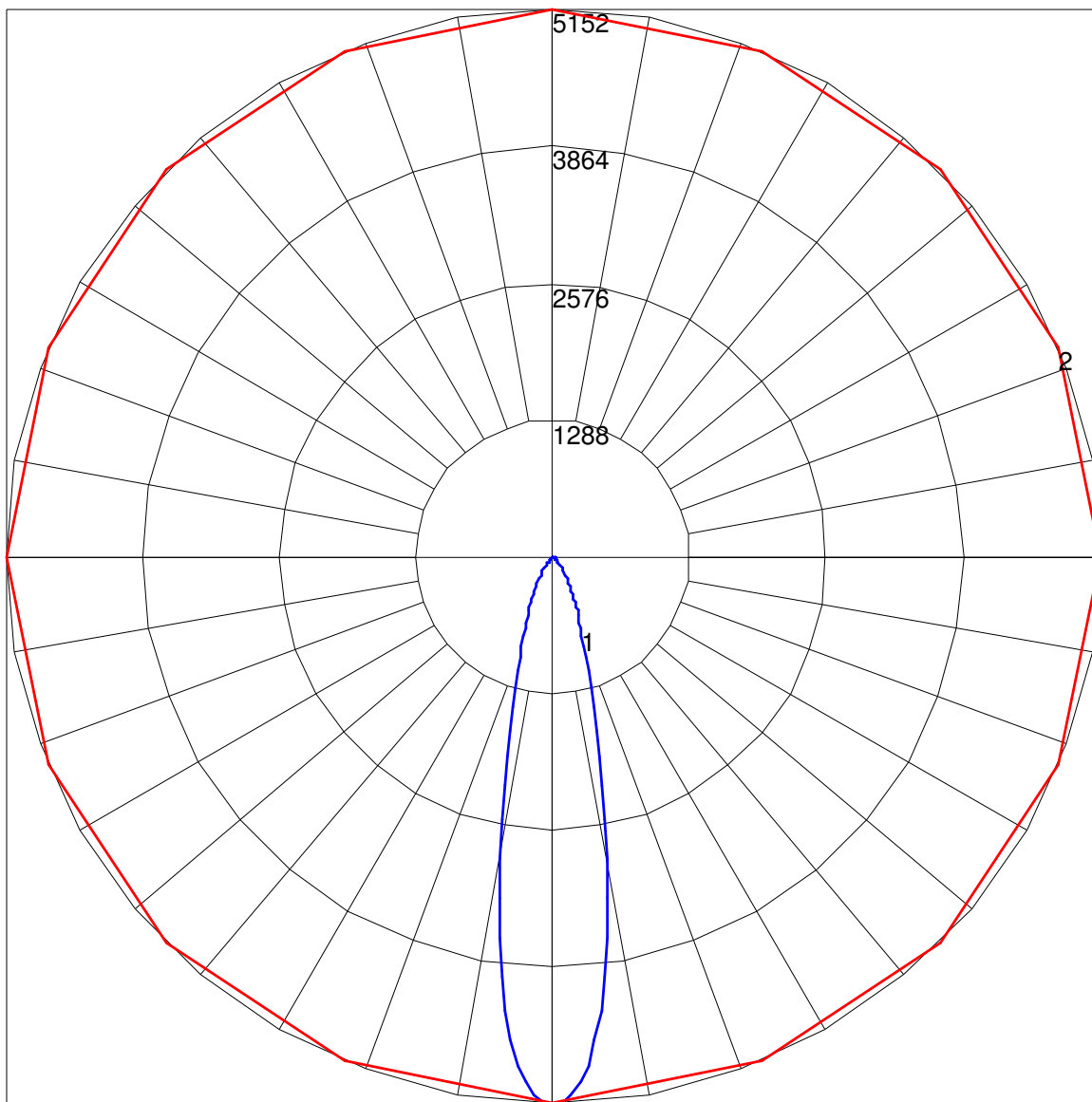
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	574.6	50.0
Downward House Side	574.6	50.0
Downward Total	1149.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1149.2	100.0

POLAR GRAPH



Maximum Candela = 5152.106 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

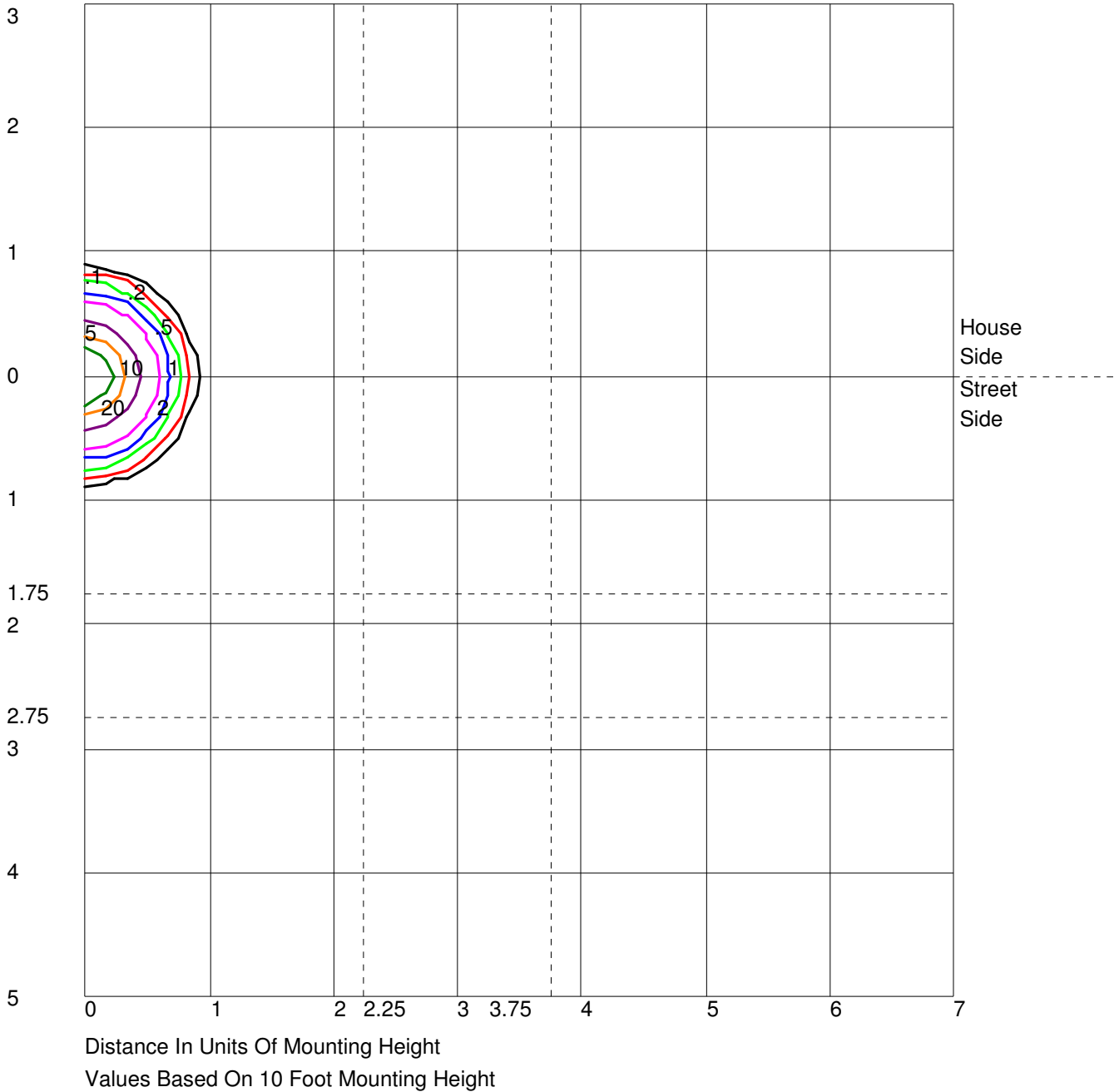


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