

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CR-XX-L25-950-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-L25-950-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	2691
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	23.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12063.893
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	12063.893
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.124 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.549 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L25-950-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1221.7	N.A.	45.4
FM - Front-Medium (30-60)	120.0	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)	1221.7	N.A.	45.4
BM - Back-Medium (30-60)	120.0	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	2691.1	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	12063.893	12063.893	12063.893	12063.893	12063.893
1	12041.828	12036.679	12037.714	12033.193	12037.820
2	11890.513	11888.434	11880.436	11876.667	11889.584
3	11627.969	11618.759	11611.672	11604.400	11633.366
4	11235.246	11232.229	11220.135	11216.534	11252.180
5	10709.937	10700.462	10697.056	10692.526	10737.488
6	10050.512	10047.017	10050.185	10057.006	10094.280
7	9275.488	9279.089	9301.313	9321.432	9336.411
8	8413.071	8428.739	8471.702	8508.108	8497.845
9	7521.864	7545.300	7612.443	7660.607	7621.582
10	6654.067	6682.493	6766.092	6825.024	6758.846
11	5828.065	5861.349	5958.430	6018.194	5936.082
12	5065.480	5110.203	5204.843	5275.489	5182.017
13	4402.224	4439.905	4539.543	4614.586	4521.159
14	3828.025	3859.416	3952.967	4025.444	3939.015
15	3333.381	3364.064	3456.943	3523.271	3437.160
16	2919.761	2952.363	3019.913	3079.057	3004.156
17	2590.119	2592.756	2659.721	2707.674	2649.989
18	2283.357	2303.918	2355.639	2394.426	2350.490
19	2040.631	2052.053	2107.950	2142.357	2110.127
20	1837.815	1853.077	1891.386	1920.272	1888.183
21	1673.326	1682.519	1715.112	1738.938	1708.362
22	1533.680	1542.457	1567.919	1583.836	1557.922
23	1416.940	1421.532	1441.138	1454.417	1431.087
24	1315.249	1317.700	1333.245	1340.606	1320.487
25	1222.901	1225.936	1235.792	1238.003	1221.079
26	1139.630	1139.409	1143.346	1141.851	1127.094
27	1053.679	1049.343	1050.883	1048.096	1034.622
28	961.897	956.836	955.288	953.660	943.866
29	865.284	860.551	858.817	861.639	854.128
30	762.540	760.859	759.488	765.318	761.063
31	658.770	659.177	659.549	668.971	666.432
32	558.548	560.459	561.353	573.712	574.827
33	460.697	464.377	467.615	480.117	485.708
34	369.994	376.302	380.505	393.838	402.561
35	292.536	297.906	299.676	312.274	324.652
36	219.900	227.588	233.100	241.425	255.094
37	163.180	173.018	175.309	182.670	197.675
38	120.076	126.915	128.799	137.487	148.909
39	91.118	92.198	95.427	101.125	107.919
40	65.859	68.726	73.176	77.308	81.032
41	49.695	52.075	55.101	58.534	62.338
42	38.680	40.671	43.706	46.360	49.377
43	31.311	32.717	35.540	37.875	40.069
44	26.197	27.214	29.656	31.735	32.682
45	22.481	23.251	25.374	26.975	27.400
46	19.783	20.349	22.198	23.357	23.622
47	17.703	18.172	19.747	20.552	20.694
48	16.058	16.509	17.801	18.376	18.455
49	14.766	15.138	16.297	16.659	16.668
50	13.713	14.041	15.040	15.279	15.235
51	12.784	13.094	13.988	14.156	14.067
52	11.935	12.200	12.988	13.041	12.855

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L25-950-XXX-DIM-UNV-S-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	11.156	11.395	12.077	12.023	11.776
54	10.475	10.705	11.271	11.121	10.838
55	9.882	10.077	10.555	10.342	9.997
56	9.352	9.493	9.918	9.670	9.254
57	8.847	8.962	9.299	9.060	8.626
58	8.370	8.467	8.750	8.511	8.104
59	7.927	7.998	8.210	7.998	7.618
60	7.485	7.547	7.715	7.503	7.131
61	7.042	7.096	7.246	7.042	6.689
62	6.600	6.644	6.777	6.574	6.229
63	6.158	6.211	6.317	6.113	5.786
64	5.724	5.768	5.875	5.662	5.344
65	5.300	5.353	5.432	5.229	4.928
66	4.884	4.928	5.008	4.813	4.503
67	4.486	4.539	4.609	4.432	4.123
68	4.123	4.158	4.238	4.043	3.751
69	3.769	3.813	3.884	3.698	3.397
70	3.433	3.477	3.557	3.353	3.052
71	3.114	3.150	3.229	3.026	2.725
72	2.805	2.840	2.902	2.707	2.415
73	2.495	2.530	2.583	2.380	2.123
74	2.176	2.212	2.247	2.070	1.805
75	1.849	1.876	1.884	1.743	1.477
76	1.531	1.548	1.504	1.416	1.177
77	1.247	1.256	1.177	1.097	0.902
78	0.964	0.938	0.814	0.752	0.664
79	0.602	0.619	0.593	0.584	0.557
80	0.549	0.549	0.549	0.540	0.522
81	0.513	0.513	0.522	0.513	0.487
82	0.487	0.487	0.495	0.487	0.460
83	0.451	0.451	0.460	0.460	0.434
84	0.416	0.416	0.416	0.407	0.398
85	0.363	0.372	0.380	0.372	0.354
86	0.319	0.319	0.319	0.319	0.310
87	0.265	0.265	0.265	0.265	0.257
88	0.203	0.203	0.212	0.203	0.195
89	0.150	0.142	0.150	0.142	0.142
90	0.124	0.106	0.115	0.106	0.106
91	0.115	0.106	0.106	0.106	0.097
92	0.106	0.106	0.106	0.106	0.097
93	0.115	0.106	0.106	0.106	0.097
94	0.115	0.106	0.106	0.106	0.097
95	0.115	0.106	0.106	0.106	0.097
96	0.115	0.115	0.106	0.106	0.097
97	0.115	0.115	0.106	0.106	0.106
98	0.115	0.115	0.106	0.106	0.097
99	0.115	0.115	0.106	0.115	0.097
100	0.115	0.115	0.106	0.115	0.106
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

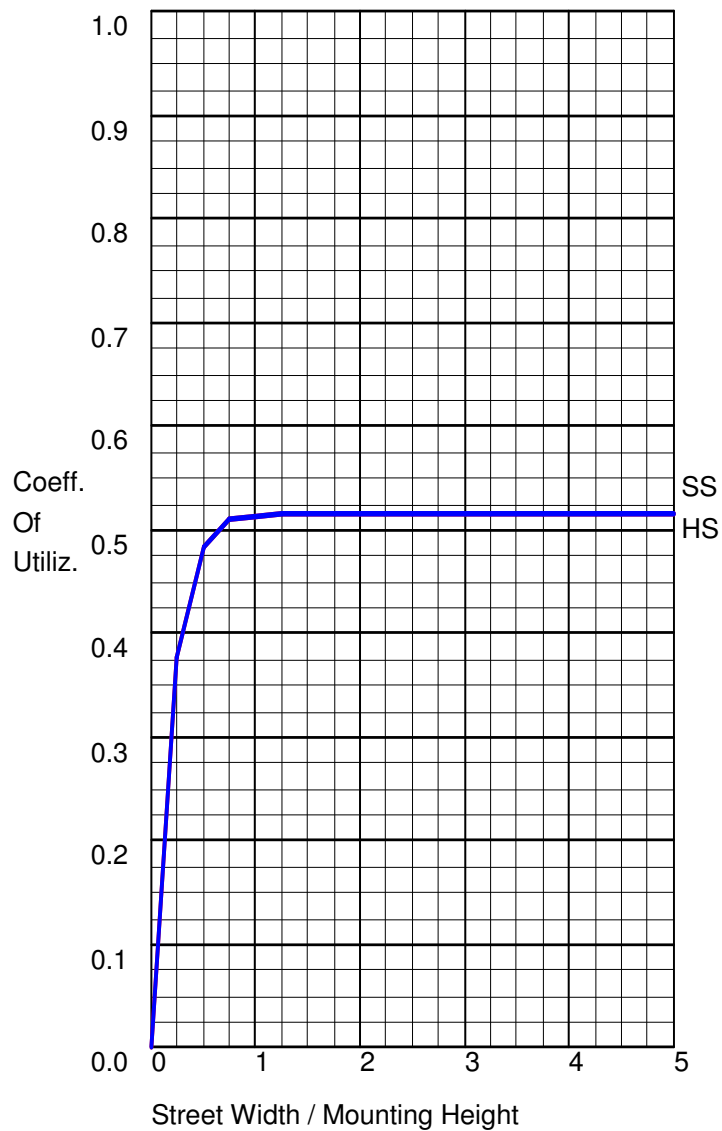
IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L25-950-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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-L25-950-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

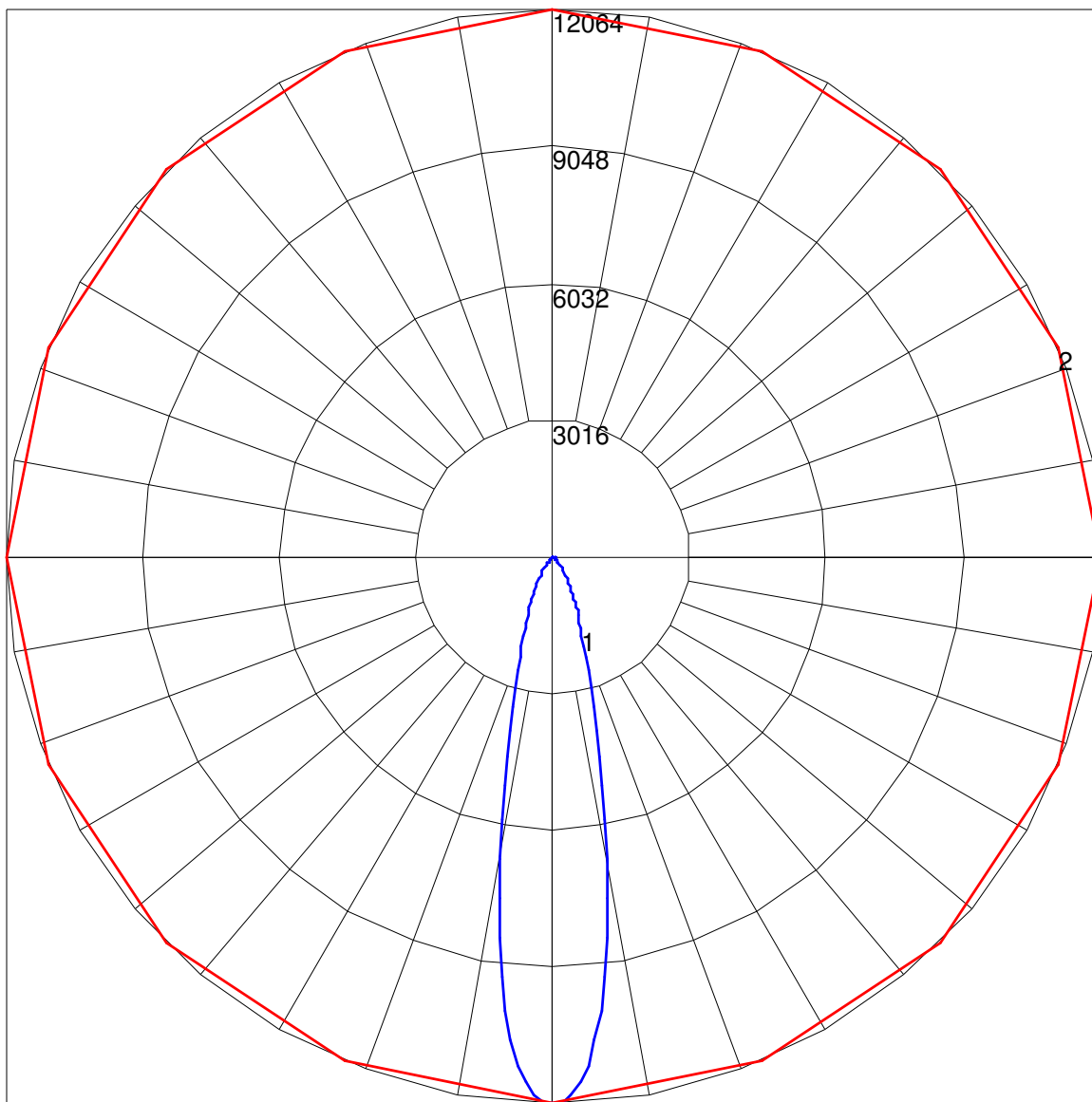
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1345.5	50.0
Downward House Side	1345.5	50.0
Downward Total	2691.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2691.2	100.0

POLAR GRAPH



Maximum Candela = 12063.893 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

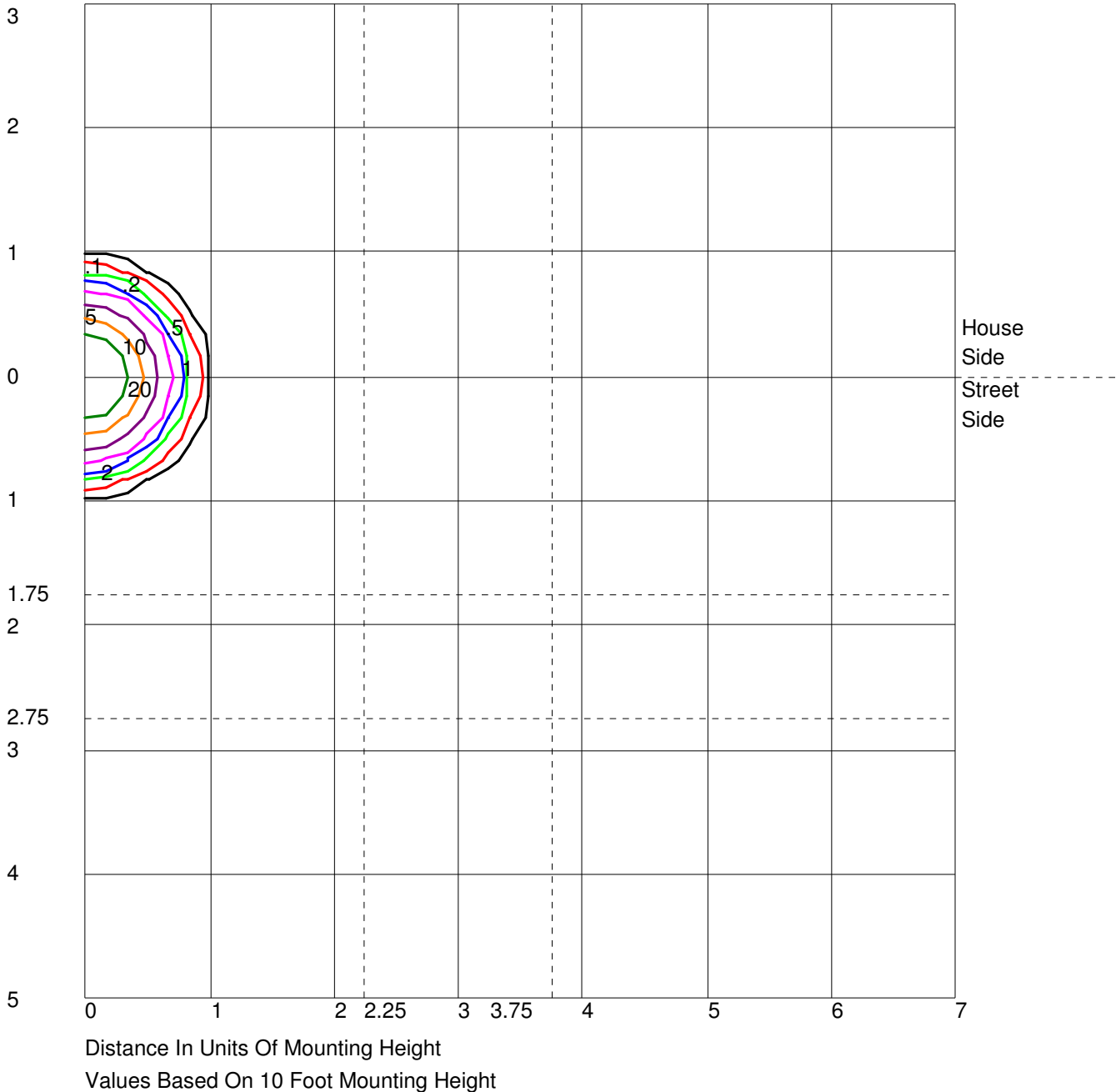


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