

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CR-XX-L15-927-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-L15-927-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	1609
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	13.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7213.548
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	7213.548
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.074 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.328 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L15-927-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	730.5	N.A.	45.4
FM - Front-Medium (30-60)	71.8	N.A.	4.5
FH - Front-High (60-80)	2.2	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	730.5	N.A.	45.4
BM - Back-Medium (30-60)	71.8	N.A.	4.5
BH - Back-High (60-80)	2.2	N.A.	0.1
BVH - Back-Very High (80-90)	0.1	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	1609.3	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	7213.548	7213.548	7213.548	7213.548	7213.548
1	7200.354	7197.275	7197.894	7195.191	7197.958
2	7109.876	7108.633	7103.850	7101.597	7109.320
3	6952.889	6947.382	6943.144	6938.796	6956.116
4	6718.062	6716.258	6709.026	6706.873	6728.188
5	6403.956	6398.290	6396.254	6393.545	6420.430
6	6009.656	6007.567	6009.460	6013.539	6035.827
7	5546.234	5548.387	5561.676	5573.706	5582.663
8	5030.556	5039.925	5065.614	5087.383	5081.247
9	4497.663	4511.677	4551.824	4580.624	4557.289
10	3978.768	3995.765	4045.753	4080.991	4041.420
11	3484.864	3504.766	3562.815	3598.550	3549.452
12	3028.880	3055.622	3112.211	3154.454	3098.563
13	2632.289	2654.820	2714.399	2759.270	2703.405
14	2288.950	2307.719	2363.658	2406.995	2355.315
15	1993.180	2011.526	2067.063	2106.723	2055.234
16	1745.857	1765.352	1805.742	1841.107	1796.321
17	1548.750	1550.326	1590.368	1619.041	1584.548
18	1365.322	1377.617	1408.543	1431.736	1405.464
19	1220.186	1227.015	1260.439	1281.012	1261.740
20	1098.913	1108.039	1130.945	1148.218	1129.030
21	1000.557	1006.054	1025.543	1039.790	1021.507
22	917.057	922.305	937.530	947.047	931.552
23	847.253	849.998	861.721	869.662	855.712
24	786.447	787.912	797.207	801.609	789.579
25	731.228	733.042	738.936	740.258	730.138
26	681.437	681.304	683.658	682.764	673.940
27	630.042	627.450	628.370	626.704	618.647
28	575.162	572.136	571.210	570.236	564.380
29	517.393	514.562	513.525	515.213	510.722
30	455.957	454.952	454.132	457.619	455.074
31	393.909	394.152	394.374	400.008	398.490
32	333.981	335.124	335.658	343.049	343.715
33	275.472	277.672	279.608	287.084	290.427
34	221.236	225.008	227.521	235.493	240.710
35	174.921	178.132	179.190	186.723	194.124
36	131.488	136.085	139.381	144.359	152.532
37	97.573	103.455	104.825	109.227	118.199
38	71.799	75.888	77.015	82.210	89.039
39	54.484	55.129	57.060	60.467	64.530
40	39.380	41.094	43.755	46.226	48.453
41	29.715	31.138	32.947	35.000	37.275
42	23.129	24.319	26.134	27.721	29.525
43	18.722	19.563	21.251	22.647	23.959
44	15.664	16.273	17.733	18.976	19.542
45	13.442	13.903	15.172	16.130	16.384
46	11.829	12.167	13.273	13.966	14.125
47	10.586	10.866	11.808	12.289	12.374
48	9.602	9.872	10.644	10.988	11.035
49	8.829	9.052	9.745	9.961	9.967
50	8.200	8.396	8.993	9.136	9.110
51	7.644	7.830	8.364	8.464	8.411
52	7.136	7.295	7.766	7.798	7.687

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53	6.671	6.814	7.221	7.189	7.041
54	6.264	6.401	6.740	6.650	6.481
55	5.909	6.026	6.311	6.184	5.978
56	5.592	5.676	5.930	5.782	5.534
57	5.290	5.359	5.560	5.417	5.158
58	5.005	5.063	5.232	5.089	4.846
59	4.740	4.782	4.909	4.782	4.555
60	4.476	4.513	4.613	4.486	4.264
61	4.211	4.243	4.333	4.211	3.999
62	3.946	3.973	4.052	3.931	3.724
63	3.682	3.714	3.777	3.656	3.460
64	3.423	3.449	3.513	3.386	3.195
65	3.169	3.201	3.248	3.127	2.947
66	2.920	2.947	2.994	2.878	2.693
67	2.682	2.714	2.756	2.650	2.465
68	2.465	2.486	2.534	2.418	2.243
69	2.254	2.280	2.322	2.211	2.031
70	2.053	2.079	2.127	2.005	1.825
71	1.862	1.883	1.931	1.809	1.629
72	1.677	1.698	1.735	1.619	1.444
73	1.492	1.513	1.545	1.423	1.270
74	1.301	1.323	1.344	1.238	1.079
75	1.106	1.122	1.127	1.042	0.883
76	0.915	0.926	0.899	0.846	0.704
77	0.746	0.751	0.704	0.656	0.540
78	0.577	0.561	0.487	0.450	0.397
79	0.360	0.370	0.354	0.349	0.333
80	0.328	0.328	0.328	0.323	0.312
81	0.307	0.307	0.312	0.307	0.291
82	0.291	0.291	0.296	0.291	0.275
83	0.270	0.270	0.275	0.275	0.259
84	0.249	0.249	0.249	0.243	0.238
85	0.217	0.222	0.227	0.222	0.212
86	0.190	0.190	0.190	0.190	0.185
87	0.159	0.159	0.159	0.159	0.153
88	0.122	0.122	0.127	0.122	0.116
89	0.090	0.085	0.090	0.085	0.085
90	0.074	0.063	0.069	0.063	0.063
91	0.069	0.063	0.063	0.063	0.058
92	0.063	0.063	0.063	0.063	0.058
93	0.069	0.063	0.063	0.063	0.058
94	0.069	0.063	0.063	0.063	0.058
95	0.069	0.063	0.063	0.063	0.058
96	0.069	0.069	0.063	0.063	0.058
97	0.069	0.069	0.063	0.063	0.063
98	0.069	0.069	0.063	0.063	0.058
99	0.069	0.069	0.063	0.069	0.058
100	0.069	0.069	0.063	0.069	0.063
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

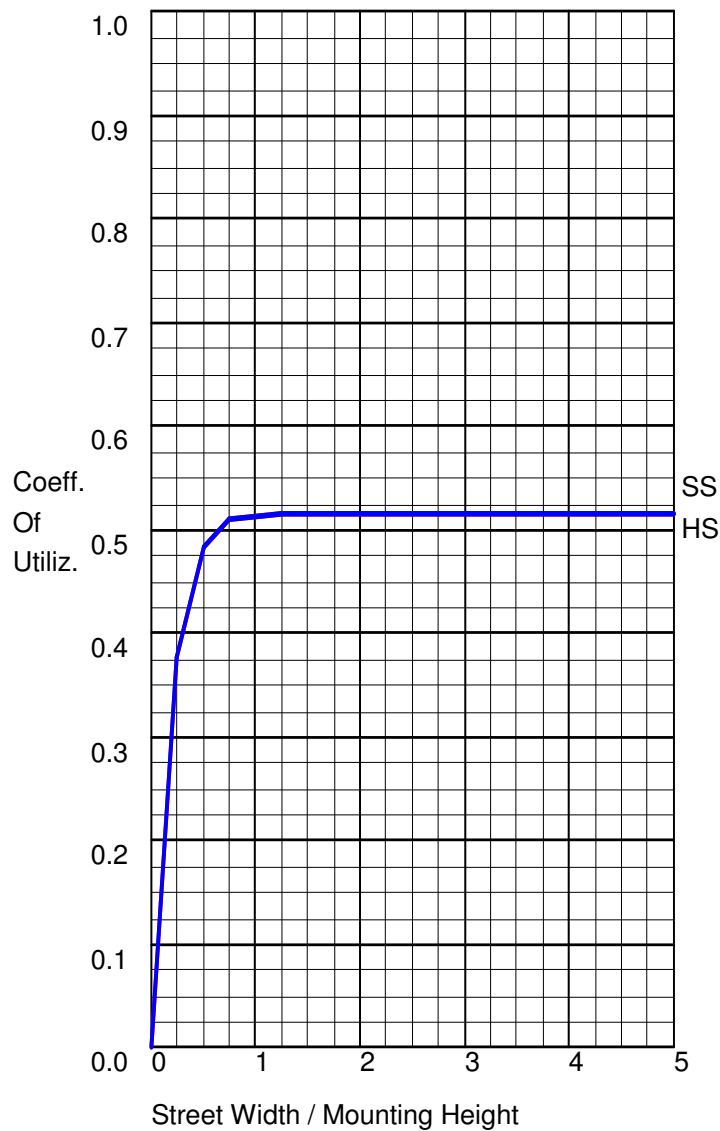
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000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

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L15-927-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

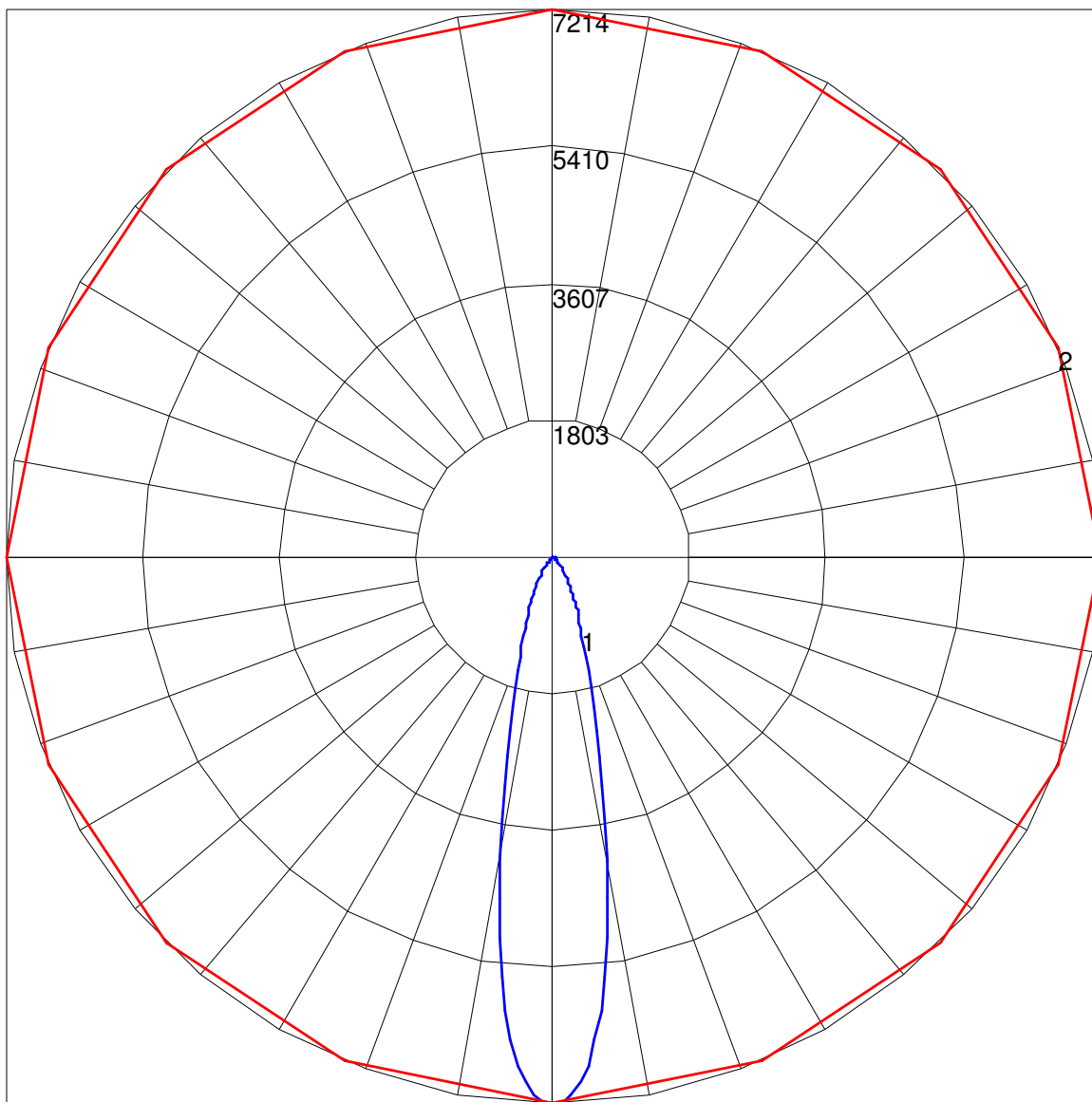
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	804.6	50.0
Downward House Side	804.6	50.0
Downward Total	1609.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1609.2	100.0

POLAR GRAPH



Maximum Candela = 7213.548 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

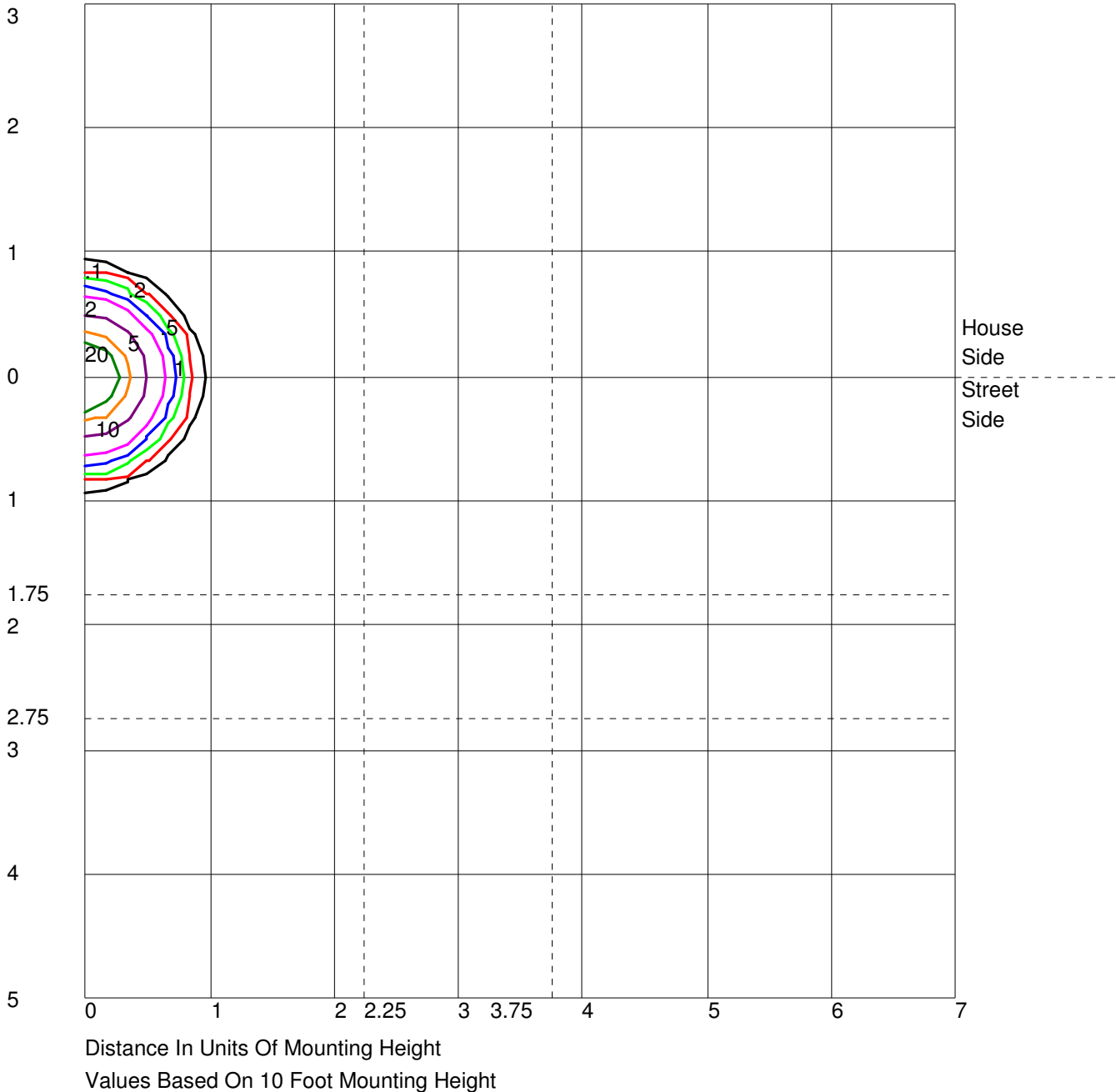


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