

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CR-XX-L25-950-XXX-DIM-UNV-N-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W4CR_BARBARA-NARROW
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMINAIRE] 4 INCH ROUND OUTDOOR LED CYLINDER
[MORE] NARROW DIST. W/MICROPRISM LENS
[LUMCAT] W4CR-xx-L25-950-xxx-DIM-UNV-N-xxx
[MORE] 0-10V 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	2563
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	23.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7269.066
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	7269.066
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.234 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.172 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1126.5	N.A.	44.0
FM - Front-Medium (30-60)	147.1	N.A.	5.7
FH - Front-High (60-80)	7.3	N.A.	0.3
FVH - Front-Very High (80-90)	0.4	N.A.	0.0
BL - Back-Low (0-30)	1126.5	N.A.	44.0
BM - Back-Medium (30-60)	147.1	N.A.	5.7
BH - Back-High (60-80)	7.3	N.A.	0.3
BVH - Back-Very High (80-90)	0.4	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2562.8	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L25-950-XXX-DIM-UNV-N-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	7269.066	7269.066	7269.066	7269.066	7269.066
1	7260.439	7260.109	7258.703	7258.347	7260.994
2	7224.774	7222.656	7221.259	7209.628	7207.207
3	7158.184	7147.360	7149.183	7142.370	7145.833
4	7051.910	7045.956	7039.915	7032.555	7038.639
5	6904.243	6913.305	6895.355	6884.046	6898.984
6	6721.320	6727.630	6714.437	6709.385	6719.974
7	6516.272	6507.566	6498.583	6500.240	6508.495
8	6266.697	6254.016	6250.614	6248.843	6261.108
9	5976.033	5968.664	5959.498	5959.481	5982.282
10	5650.720	5642.387	5636.372	5635.912	5665.102
11	5286.097	5279.118	5282.998	5289.595	5315.816
12	4892.917	4888.864	4898.394	4909.851	4944.153
13	4481.242	4485.078	4500.493	4516.238	4547.884
14	4065.104	4072.413	4099.094	4118.832	4142.996
15	3657.248	3670.285	3704.916	3727.423	3750.467
16	3267.948	3288.128	3327.430	3358.052	3369.986
17	2917.091	2937.757	2984.020	3008.279	3015.475
18	2603.296	2611.819	2663.107	2687.879	2695.517
19	2306.078	2331.249	2384.134	2404.462	2411.805
20	2057.077	2083.098	2129.769	2159.410	2166.171
21	1846.639	1868.945	1915.008	1938.035	1935.726
22	1670.077	1692.575	1732.519	1751.379	1747.699
23	1525.769	1542.339	1578.585	1595.276	1588.974
24	1402.258	1416.163	1451.107	1463.094	1456.523
25	1294.552	1309.247	1340.893	1350.336	1341.804
26	1197.922	1212.538	1240.721	1248.680	1241.250
27	1108.252	1119.093	1145.800	1152.597	1146.182
28	1017.663	1025.769	1049.222	1055.037	1050.715
29	925.954	932.897	949.406	956.679	954.961
30	830.443	833.133	847.628	855.553	853.409
31	729.594	731.208	741.754	748.854	748.967
32	630.585	629.648	636.357	643.709	643.874
33	529.866	528.191	533.989	540.447	539.718
34	433.323	432.646	436.465	442.063	442.228
35	348.948	344.165	347.906	350.423	349.087
36	268.088	266.977	268.948	270.354	267.758
37	202.019	202.453	200.387	200.274	203.138
38	149.845	152.076	147.224	148.379	148.943
39	109.867	108.773	109.511	107.497	107.072
40	84.106	80.261	80.400	80.278	80.261
41	61.218	61.278	62.363	62.789	63.509
42	48.858	49.405	51.088	52.043	53.232
43	42.044	42.556	44.396	45.672	46.627
44	38.529	38.911	40.699	42.036	42.643
45	36.967	37.227	38.980	40.048	40.543
46	36.455	36.784	38.312	39.137	39.588
47	36.619	36.941	38.216	38.876	39.327
48	37.062	37.279	38.364	38.841	39.327
49	37.322	37.557	38.468	38.798	39.223
50	37.349	37.531	38.347	38.598	38.920
51	36.941	37.079	37.843	38.034	38.260
52	35.830	36.003	36.672	36.767	36.906

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

53	34.163	34.311	34.944	34.936	35.022
54	32.037	32.210	32.748	32.662	32.766
55	29.658	29.763	30.249	30.118	30.179
56	27.081	27.133	27.471	27.384	27.402
57	24.338	24.398	24.607	24.555	24.520
58	21.716	21.760	21.864	21.821	21.786
59	19.286	19.269	19.295	19.243	19.225
60	17.073	17.038	16.995	16.986	16.977
61	15.163	15.103	15.051	15.016	15.033
62	13.532	13.445	13.401	13.367	13.384
63	12.178	12.108	12.021	11.995	12.030
64	11.032	10.980	10.910	10.867	10.928
65	10.120	10.068	10.008	9.947	10.016
66	9.305	9.279	9.209	9.166	9.244
67	8.628	8.602	8.523	8.497	8.575
68	7.994	7.977	7.916	7.872	7.968
69	7.421	7.412	7.334	7.300	7.386
70	6.892	6.874	6.796	6.744	6.814
71	6.362	6.362	6.258	6.197	6.241
72	5.859	5.850	5.737	5.659	5.711
73	5.347	5.338	5.208	5.112	5.156
74	4.809	4.800	4.661	4.548	4.592
75	4.244	4.201	4.079	3.949	3.984
76	3.593	3.541	3.394	3.290	3.324
77	2.856	2.821	2.630	2.552	2.552
78	1.996	1.979	1.788	1.684	1.701
79	1.293	1.311	1.259	1.267	1.267
80	1.172	1.172	1.154	1.154	1.154
81	1.094	1.094	1.094	1.102	1.094
82	1.042	1.033	1.033	1.042	1.042
83	0.972	0.963	0.963	0.963	0.972
84	0.894	0.885	0.885	0.894	0.894
85	0.807	0.807	0.807	0.807	0.807
86	0.712	0.703	0.703	0.703	0.712
87	0.590	0.590	0.590	0.590	0.590
88	0.460	0.460	0.460	0.451	0.451
89	0.321	0.312	0.312	0.312	0.312
90	0.234	0.217	0.217	0.208	0.200
91	0.217	0.208	0.200	0.191	0.191
92	0.217	0.208	0.200	0.200	0.191
93	0.217	0.208	0.208	0.200	0.200
94	0.217	0.208	0.208	0.200	0.200
95	0.217	0.208	0.208	0.200	0.208
96	0.226	0.208	0.208	0.200	0.200
97	0.226	0.217	0.208	0.208	0.208
98	0.226	0.217	0.217	0.217	0.217
99	0.243	0.217	0.217	0.217	0.217
100	0.243	0.226	0.217	0.217	0.217
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

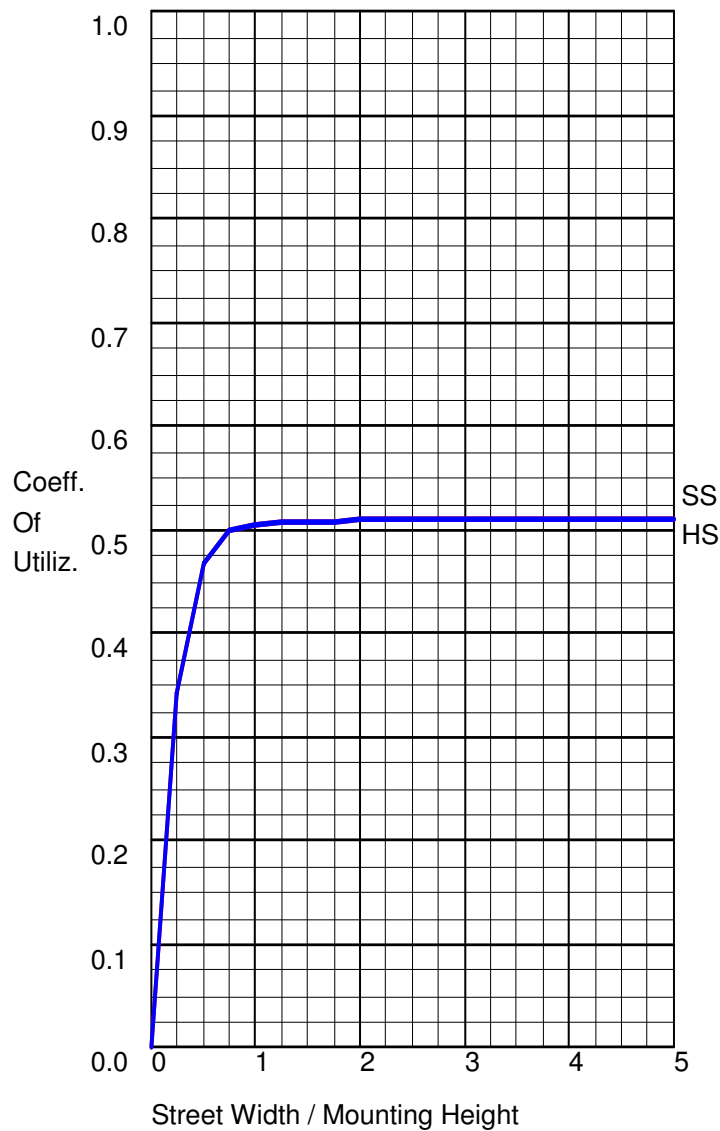
IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L25-950-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-N-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

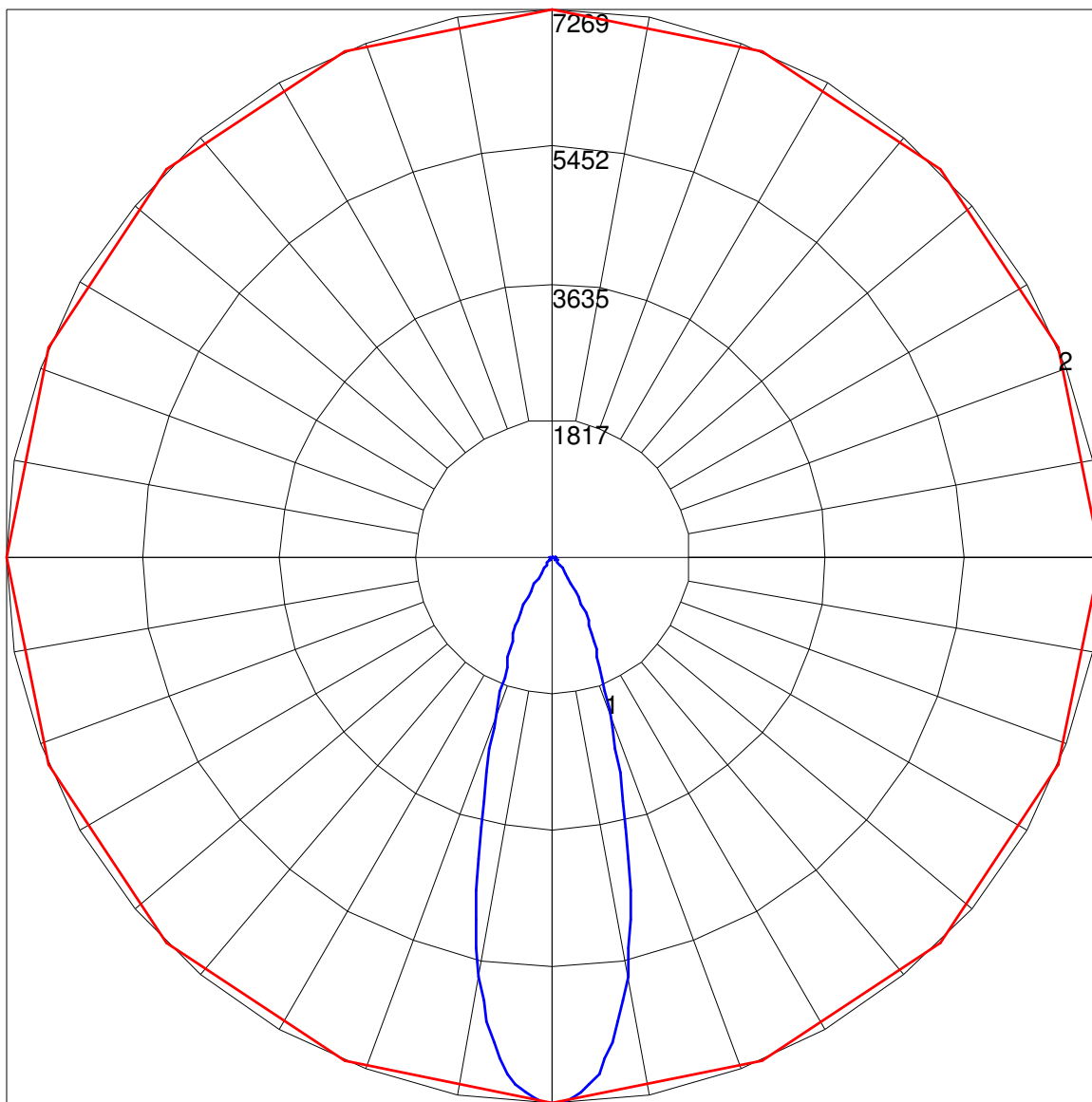
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1281.4	50.0
Downward House Side	1281.4	50.0
Downward Total	2562.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2563.0	100.0

POLAR GRAPH



Maximum Candela = 7269.066 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

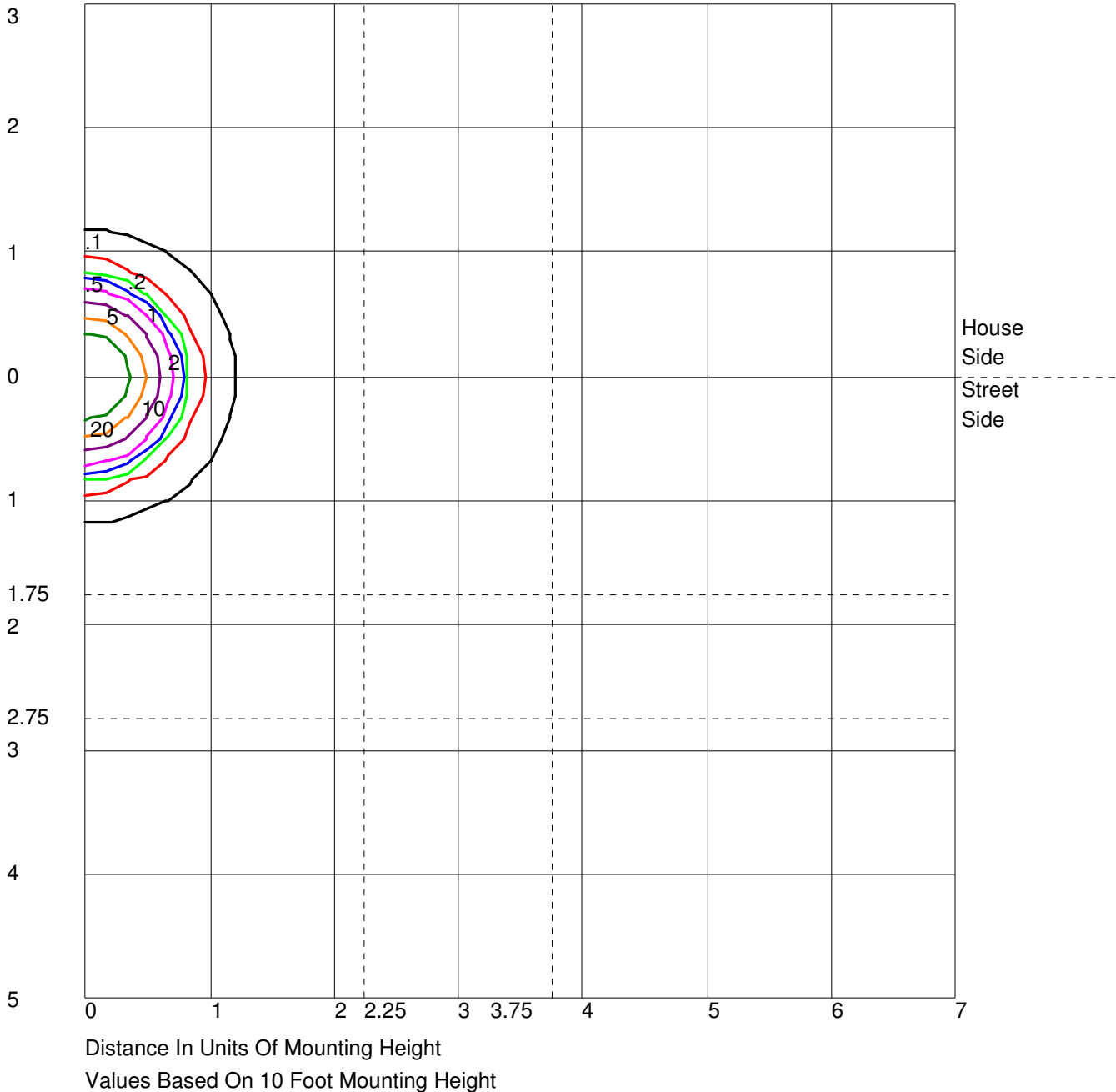


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