

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-930-XXX-DIM-UNV-M-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-W_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L40-930-xxx-DIM-UNV-M-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH MEDIUM DIST.
[LAMPCAT] BL VERO
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3501
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7453.563
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	7453.563
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.267 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.815 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-930-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1466.2	N.A.	41.9
FM - Front-Medium (30-60)	264.8	N.A.	7.6
FH - Front-High (60-80)	18.4	N.A.	0.5
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1466.2	N.A.	41.9
BM - Back-Medium (30-60)	264.8	N.A.	7.6
BH - Back-High (60-80)	18.4	N.A.	0.5
BVH - Back-Very High (80-90)	0.9	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	3500.9	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	7436.664	7436.664	7436.664	7436.664	7436.664
1	7446.224	7446.038	7442.677	7440.281	7437.269
2	7453.563	7448.923	7439.746	7430.977	7422.056
3	7449.492	7443.852	7427.383	7410.984	7396.679
4	7436.490	7424.475	7399.575	7375.128	7360.322
5	7389.782	7375.174	7342.307	7309.044	7292.656
6	7308.253	7288.877	7243.937	7203.009	7182.144
7	7172.154	7148.428	7098.080	7056.955	7026.390
8	6981.927	6958.457	6907.911	6870.078	6831.116
9	6736.642	6718.824	6675.536	6641.145	6601.078
10	6444.382	6439.660	6403.501	6376.728	6346.500
11	6118.823	6122.487	6100.552	6081.513	6055.159
12	5776.843	5778.960	5771.144	5765.143	5739.917
13	5424.616	5427.105	5433.049	5433.979	5410.137
14	5063.027	5065.353	5084.904	5092.313	5071.948
15	4700.985	4705.695	4731.491	4745.808	4729.188
16	4345.513	4352.317	4378.962	4398.710	4386.243
17	4000.451	4015.535	4034.132	4060.231	4049.240
18	3673.636	3689.768	3707.586	3730.486	3723.787
19	3368.559	3379.771	3401.799	3422.152	3412.522
20	3094.675	3094.943	3116.773	3138.103	3131.299
21	2833.096	2833.701	2853.216	2874.791	2865.207
22	2603.605	2599.232	2619.852	2637.786	2632.785
23	2404.795	2397.840	2417.309	2430.765	2430.719
24	2229.664	2223.674	2239.201	2249.750	2250.587
25	2074.270	2071.130	2080.376	2090.716	2090.111
26	1938.404	1933.833	1937.543	1947.685	1943.405
27	1811.156	1804.340	1806.585	1813.249	1811.702
28	1686.048	1677.557	1674.917	1682.570	1692.665
29	1555.124	1549.542	1544.110	1548.239	1553.159
30	1421.700	1411.128	1400.672	1409.046	1411.779
31	1267.190	1260.072	1250.291	1255.269	1259.142
32	1103.016	1099.445	1089.594	1098.840	1099.689
33	932.246	930.979	924.582	934.363	936.573
34	763.292	764.210	761.710	771.817	773.201
35	607.398	608.130	609.154	621.494	621.610
36	471.636	474.846	477.730	491.908	490.093
37	358.844	363.194	370.905	378.895	379.116
38	279.572	274.477	283.596	295.017	292.691
39	210.708	214.523	226.025	227.758	235.260
40	172.130	173.130	178.434	183.307	186.075
41	143.763	146.520	150.183	151.323	152.509
42	125.899	126.562	129.249	131.482	130.505
43	112.803	113.373	115.083	115.362	115.048
44	102.603	103.301	104.255	104.034	103.452
45	94.113	94.892	95.462	94.939	94.392
46	86.635	87.333	87.810	87.158	86.612
47	79.692	80.401	80.808	80.180	79.494
48	73.434	74.097	74.469	73.853	73.144
49	67.828	68.375	68.701	68.108	67.363
50	62.711	63.130	63.455	62.886	62.176
51	58.117	58.501	58.745	58.222	57.559
52	54.012	54.314	54.488	54.058	53.384

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-930-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	50.371	50.569	50.732	50.360	49.697
54	47.103	47.254	47.371	46.998	46.417
55	44.091	44.172	44.300	43.928	43.440
56	41.183	41.300	41.358	41.067	40.672
57	38.566	38.648	38.683	38.427	38.113
58	36.252	36.310	36.333	36.089	35.798
59	34.170	34.193	34.182	33.961	33.717
60	32.274	32.263	32.251	32.042	31.832
61	30.541	30.495	30.472	30.274	30.076
62	28.936	28.890	28.832	28.646	28.448
63	27.459	27.378	27.320	27.122	26.924
64	26.006	25.936	25.866	25.668	25.482
65	24.633	24.575	24.482	24.296	24.110
66	23.284	23.226	23.110	22.935	22.749
67	21.981	21.923	21.807	21.621	21.458
68	20.702	20.644	20.528	20.330	20.179
69	19.423	19.376	19.260	19.074	18.899
70	18.178	18.109	18.004	17.829	17.643
71	16.934	16.841	16.748	16.585	16.410
72	15.678	15.585	15.503	15.340	15.201
73	14.422	14.340	14.259	14.119	13.956
74	13.166	13.107	13.014	12.898	12.782
75	11.944	11.898	11.805	11.700	11.596
76	10.712	10.688	10.595	10.514	10.432
77	9.514	9.490	9.421	9.362	9.293
78	8.292	8.281	8.246	8.176	8.165
79	7.071	7.060	7.036	7.013	7.002
80	5.792	5.815	5.792	5.815	5.769
81	4.385	4.431	4.396	4.396	4.350
82	2.477	2.535	2.570	2.594	2.617
83	1.117	1.140	1.291	1.384	1.489
84	1.023	1.035	1.035	1.023	1.023
85	0.942	0.942	0.942	0.942	0.942
86	0.837	0.837	0.849	0.837	0.837
87	0.709	0.709	0.709	0.721	0.709
88	0.547	0.558	0.558	0.558	0.547
89	0.372	0.384	0.384	0.384	0.384
90	0.221	0.233	0.256	0.267	0.267
91	0.221	0.233	0.233	0.233	0.221
92	0.221	0.221	0.233	0.233	0.233
93	0.221	0.233	0.233	0.233	0.233
94	0.221	0.233	0.233	0.233	0.233
95	0.233	0.233	0.233	0.244	0.233
96	0.233	0.233	0.244	0.244	0.233
97	0.233	0.244	0.244	0.244	0.233
98	0.233	0.256	0.256	0.244	0.244
99	0.244	0.256	0.256	0.256	0.244
100	0.244	0.256	0.256	0.256	0.244
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

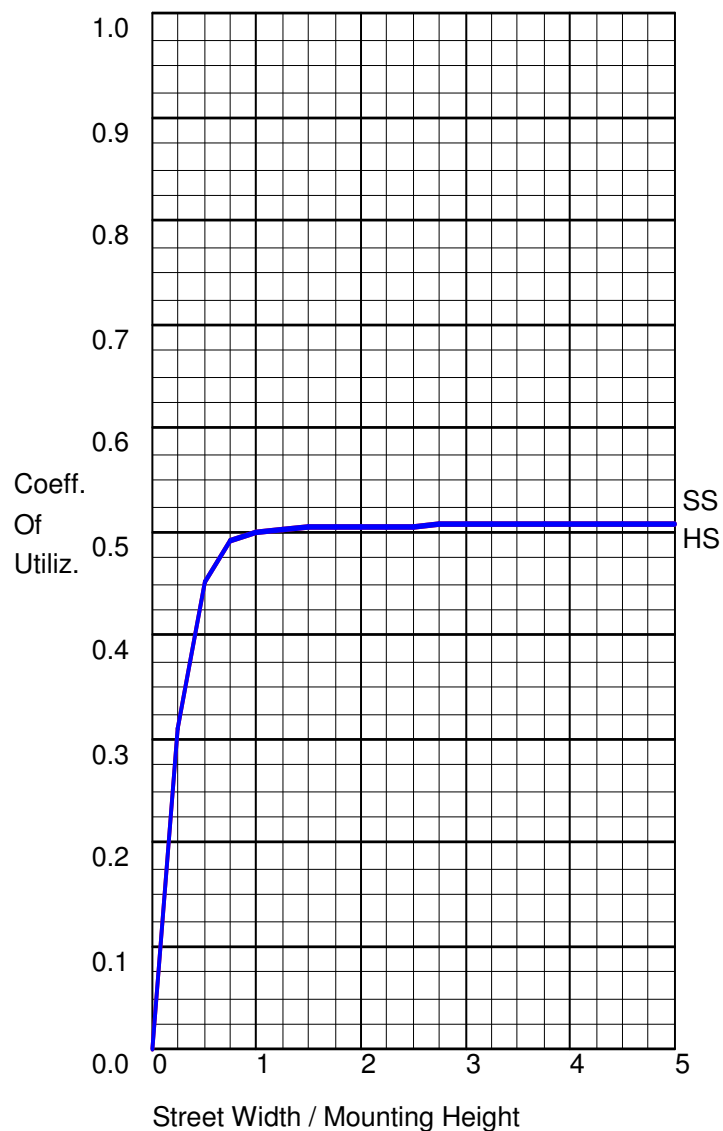
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000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

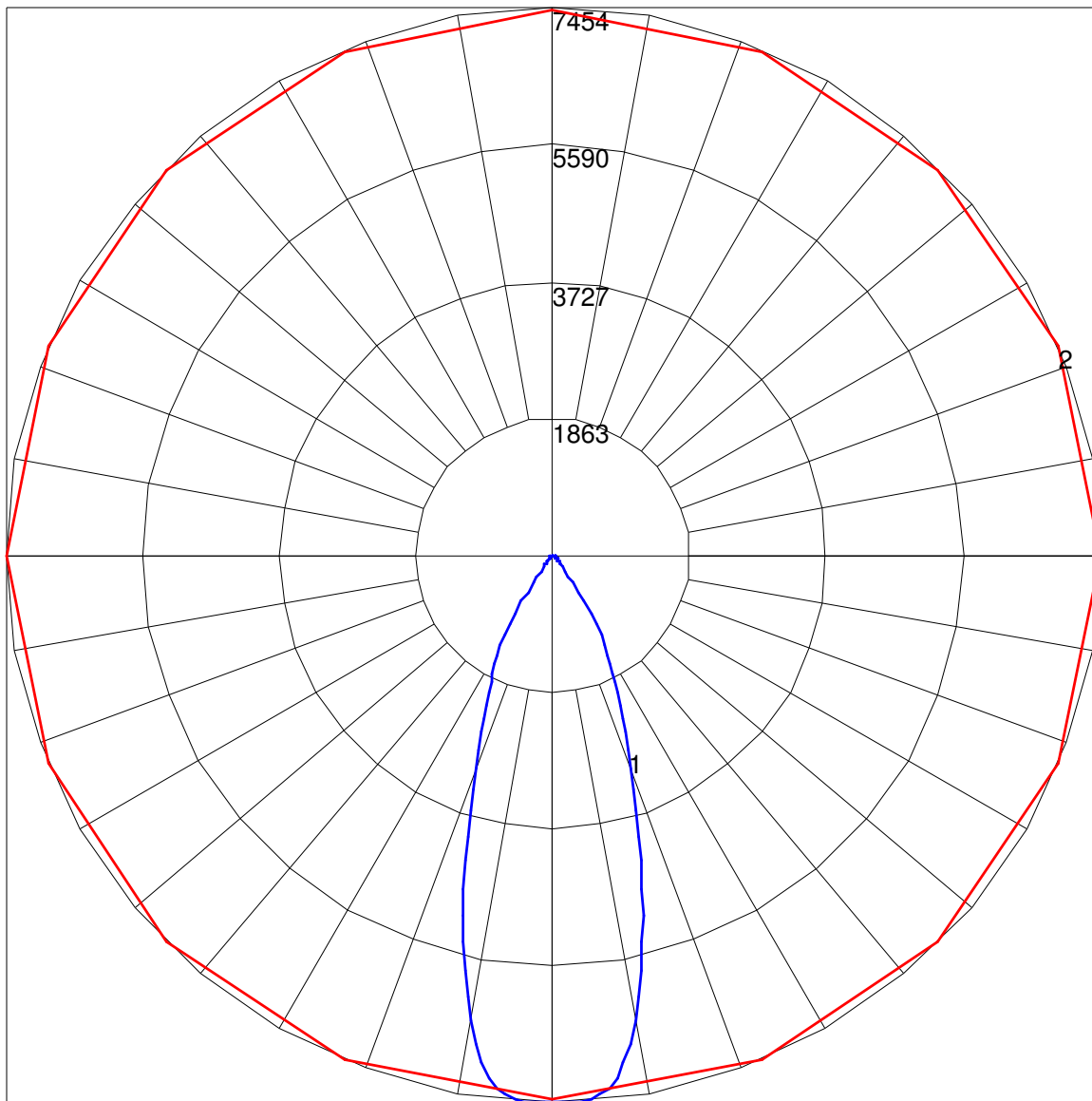
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1750.3	50.0
Downward House Side	1750.3	50.0
Downward Total	3500.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3500.8	100.0

POLAR GRAPH



Maximum Candela = 7453.563 Located At Horizontal Angle = 0, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

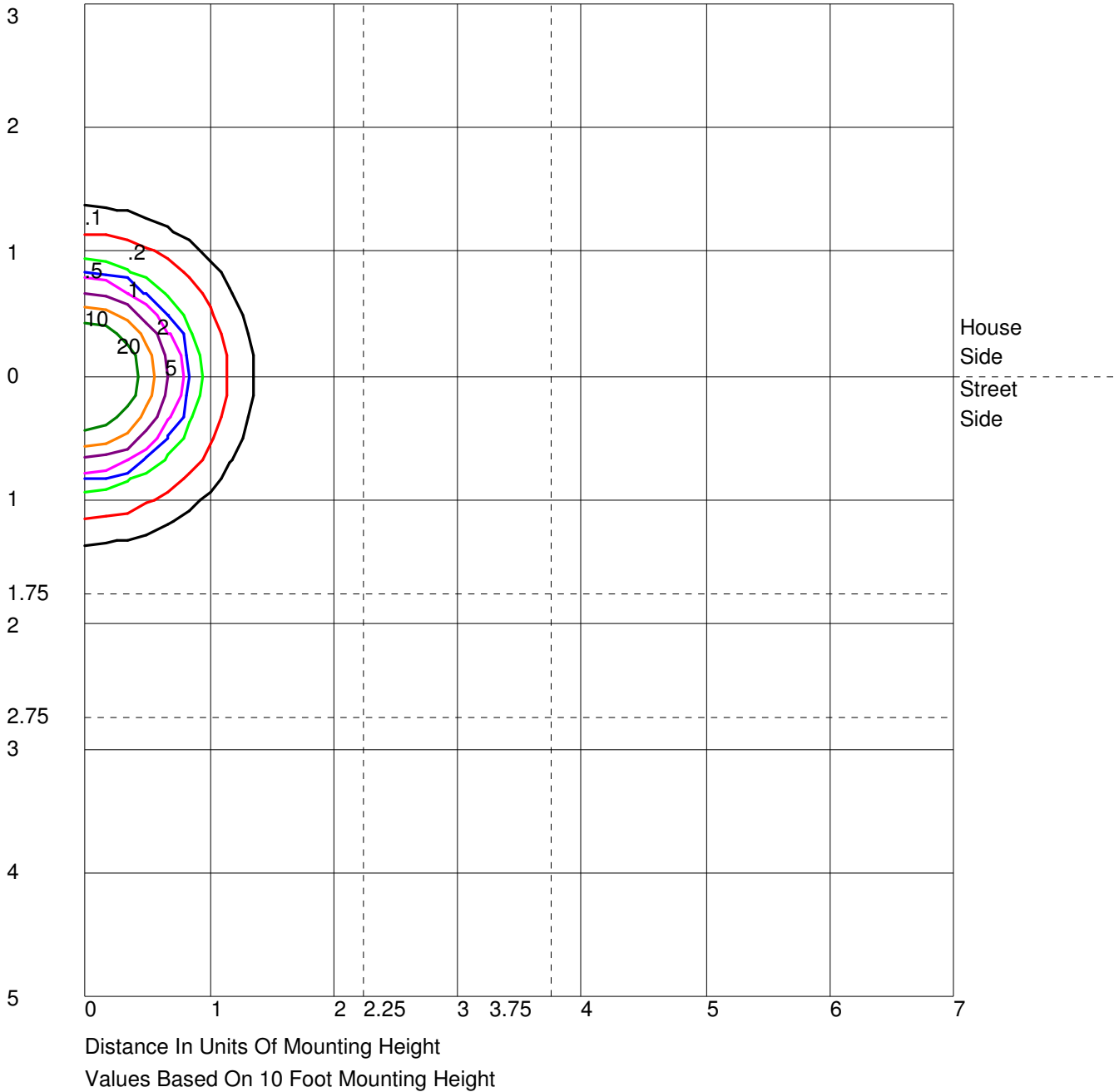


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