

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-927-XXX-DIM-UNV-N-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W6CR_Angela-M_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L10-927-xxx-DIM-UNV-N-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH NARROW DIST.
[LAMPCAT] BL V18 COB
[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	900
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2653.605
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2653.605
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.081 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.783 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-927-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	353.0	N.A.	39.2
FM - Front-Medium (30-60)	90.2	N.A.	10.0
FH - Front-High (60-80)	6.7	N.A.	0.7
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	353.0	N.A.	39.2
BM - Back-Medium (30-60)	90.2	N.A.	10.0
BH - Back-High (60-80)	6.7	N.A.	0.7
BVH - Back-Very High (80-90)	0.3	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	900.5	N.A.	100.0
BUG Rating	B1-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	2653.605	2653.605	2653.605	2653.605	2653.605
1	2636.536	2635.796	2636.254	2636.231	2635.270
2	2589.978	2589.286	2588.964	2589.137	2588.162
3	2515.442	2513.974	2513.685	2514.192	2512.058
4	2412.981	2412.170	2410.819	2411.124	2409.802
5	2284.950	2284.450	2286.142	2286.305	2287.009
6	2140.328	2139.825	2142.355	2145.501	2148.245
7	1984.343	1985.168	1989.968	1995.222	1997.343
8	1822.334	1824.604	1830.826	1838.513	1841.003
9	1664.215	1666.241	1673.724	1683.560	1688.084
10	1513.760	1515.767	1524.419	1534.479	1540.143
11	1373.740	1375.445	1383.667	1394.244	1400.447
12	1245.871	1247.953	1255.698	1265.937	1270.383
13	1131.804	1134.012	1142.189	1153.182	1154.864
14	1031.435	1034.939	1043.061	1049.841	1052.946
15	946.803	947.206	952.934	960.471	964.612
16	867.679	870.108	877.869	884.744	890.157
17	803.168	805.103	809.812	816.729	820.240
18	748.270	749.858	754.018	760.116	762.890
19	702.276	703.503	707.079	711.635	714.532
20	663.927	664.362	667.073	670.516	672.880
21	630.539	630.150	632.381	635.118	637.112
22	602.153	600.332	602.254	604.280	606.258
23	576.713	574.095	575.683	577.041	579.278
24	552.581	550.675	551.146	552.246	554.611
25	530.563	528.774	528.313	529.037	530.907
26	508.779	507.133	505.779	506.555	507.893
27	486.778	484.469	482.865	483.024	484.839
28	462.380	459.700	456.813	456.852	458.587
29	433.422	431.941	428.687	428.807	431.279
30	402.909	400.869	395.044	396.164	398.343
31	364.943	363.092	358.591	358.464	360.799
32	322.378	321.485	317.884	319.329	320.596
33	277.339	276.998	274.660	277.070	278.489
34	232.154	232.479	231.768	234.583	235.869
35	189.879	190.308	191.126	194.672	195.503
36	152.790	153.023	155.511	159.281	160.252
37	121.679	123.127	125.482	129.905	129.775
38	97.433	99.336	102.529	104.909	105.412
39	81.914	81.449	84.187	86.522	87.025
40	68.232	69.346	72.149	73.617	74.961
41	60.205	60.861	62.371	63.377	63.926
42	54.505	54.856	55.989	56.626	56.928
43	50.121	50.345	51.251	51.618	51.946
44	46.461	46.685	47.322	47.634	47.764
45	43.237	43.483	44.055	44.208	44.351
46	40.249	40.512	40.993	41.197	41.314
47	37.430	37.674	38.138	38.346	38.460
48	34.771	35.017	35.456	35.696	35.810
49	32.286	32.507	32.919	33.173	33.280
50	29.948	30.127	30.539	30.786	30.896
51	27.763	27.935	28.315	28.568	28.682
52	25.733	25.879	26.236	26.493	26.580

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53	23.836	23.979	24.307	24.567	24.645
54	22.092	22.219	22.508	22.752	22.836
55	20.436	20.540	20.826	21.037	21.134
56	18.826	18.926	19.192	19.391	19.482
57	17.299	17.400	17.647	17.822	17.913
58	15.926	16.013	16.237	16.396	16.487
59	14.659	14.734	14.935	15.084	15.172
60	13.490	13.561	13.750	13.876	13.958
61	12.431	12.490	12.662	12.775	12.834
62	11.464	11.522	11.668	11.772	11.821
63	10.577	10.629	10.765	10.850	10.889
64	9.778	9.804	9.934	10.005	10.028
65	9.041	9.060	9.177	9.233	9.255
66	8.346	8.369	8.460	8.515	8.525
67	7.706	7.729	7.810	7.852	7.862
68	7.115	7.138	7.203	7.239	7.242
69	6.566	6.573	6.638	6.664	6.661
70	6.047	6.053	6.105	6.125	6.118
71	5.556	5.556	5.599	5.615	5.602
72	5.099	5.086	5.121	5.131	5.128
73	4.644	4.634	4.663	4.667	4.657
74	4.205	4.199	4.218	4.225	4.215
75	3.787	3.777	3.790	3.800	3.787
76	3.371	3.361	3.371	3.377	3.371
77	2.958	2.955	2.968	2.968	2.968
78	2.556	2.553	2.565	2.565	2.572
79	2.153	2.150	2.169	2.173	2.176
80	1.750	1.750	1.770	1.783	1.780
81	1.318	1.331	1.341	1.351	1.344
82	0.766	0.786	0.805	0.802	0.809
83	0.383	0.383	0.416	0.432	0.458
84	0.347	0.347	0.351	0.347	0.347
85	0.321	0.321	0.321	0.321	0.321
86	0.286	0.289	0.289	0.286	0.289
87	0.244	0.244	0.247	0.244	0.244
88	0.188	0.192	0.192	0.188	0.188
89	0.127	0.127	0.127	0.127	0.127
90	0.071	0.075	0.078	0.081	0.081
91	0.068	0.071	0.068	0.068	0.065
92	0.071	0.071	0.071	0.071	0.065
93	0.071	0.071	0.071	0.071	0.065
94	0.071	0.075	0.075	0.071	0.068
95	0.075	0.075	0.075	0.071	0.071
96	0.075	0.078	0.078	0.075	0.078
97	0.081	0.081	0.081	0.081	0.081
98	0.084	0.084	0.081	0.084	0.084
99	0.088	0.091	0.088	0.084	0.088
100	0.088	0.091	0.091	0.088	0.088
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

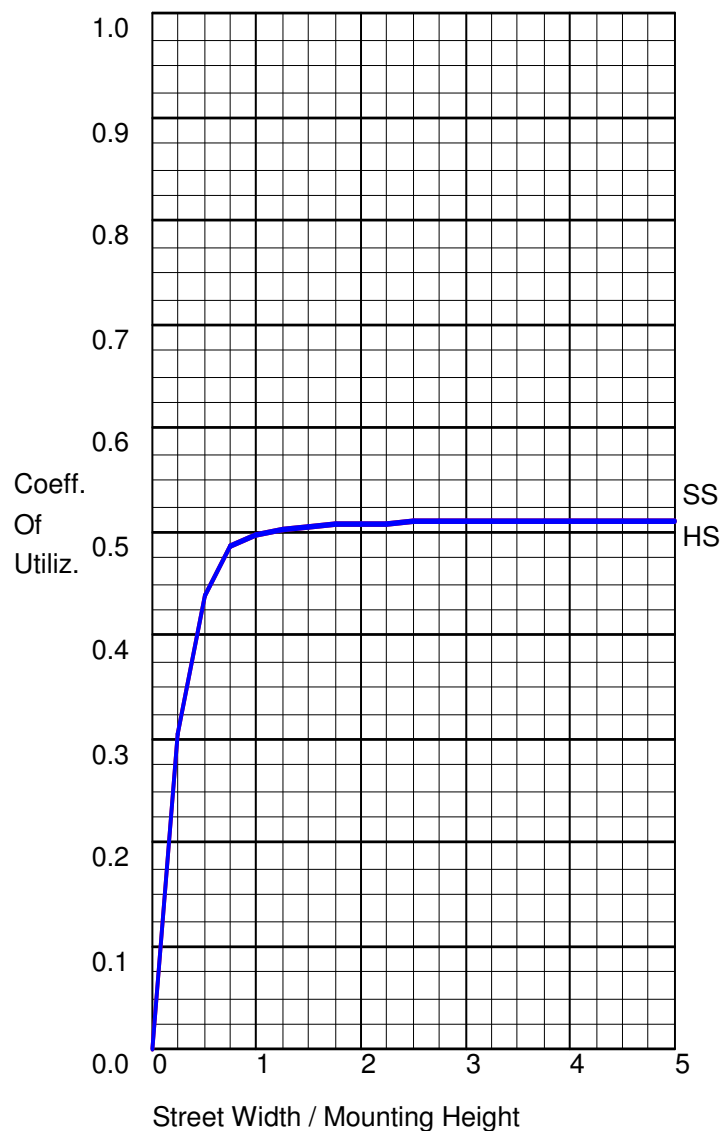
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-927-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

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 : W6CR-XX-L10-927-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

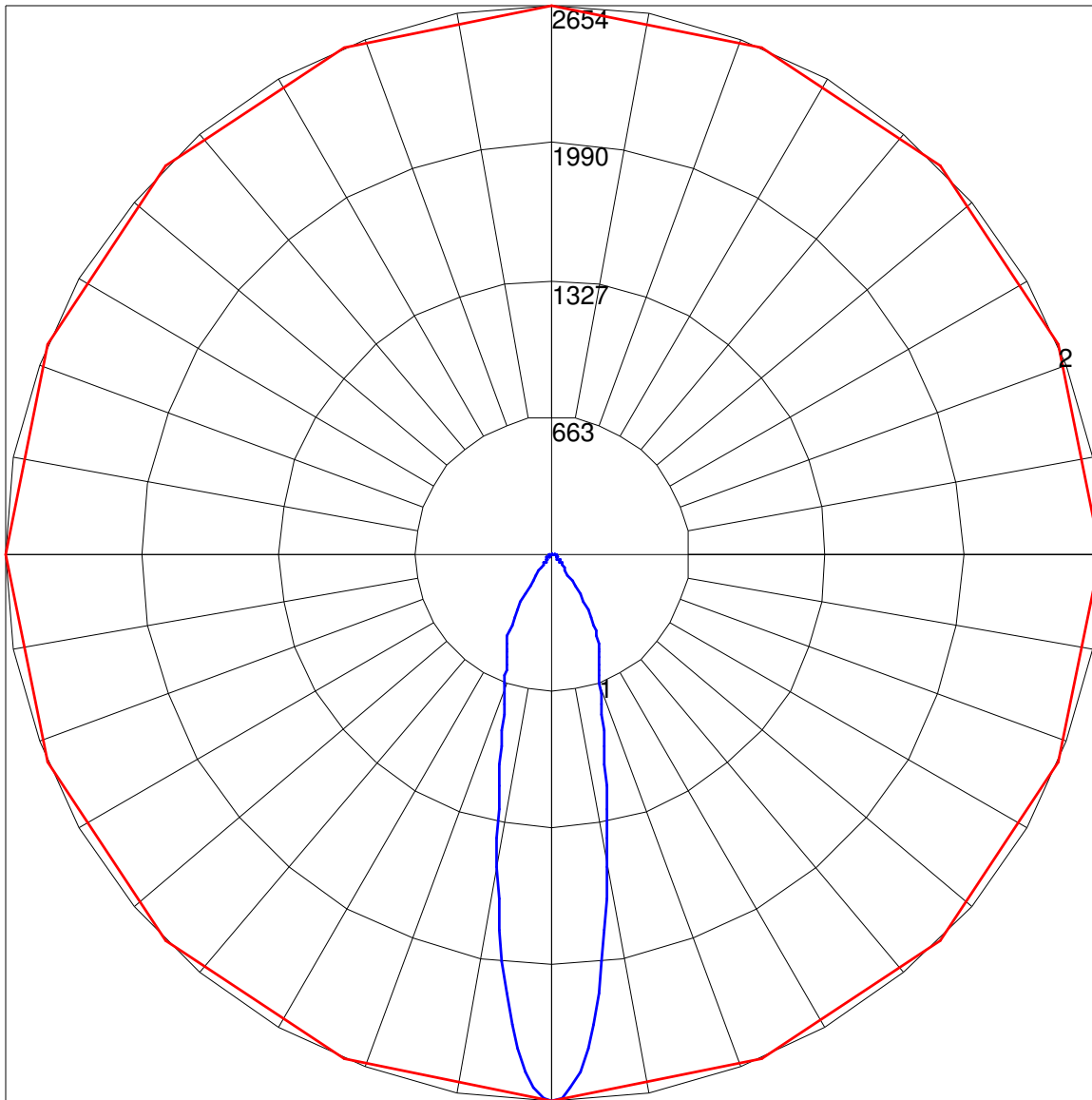
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	450.2	50.0
Downward House Side	450.2	50.0
Downward Total	900.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	900.4	100.0

POLAR GRAPH



Maximum Candela = 2653.605 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

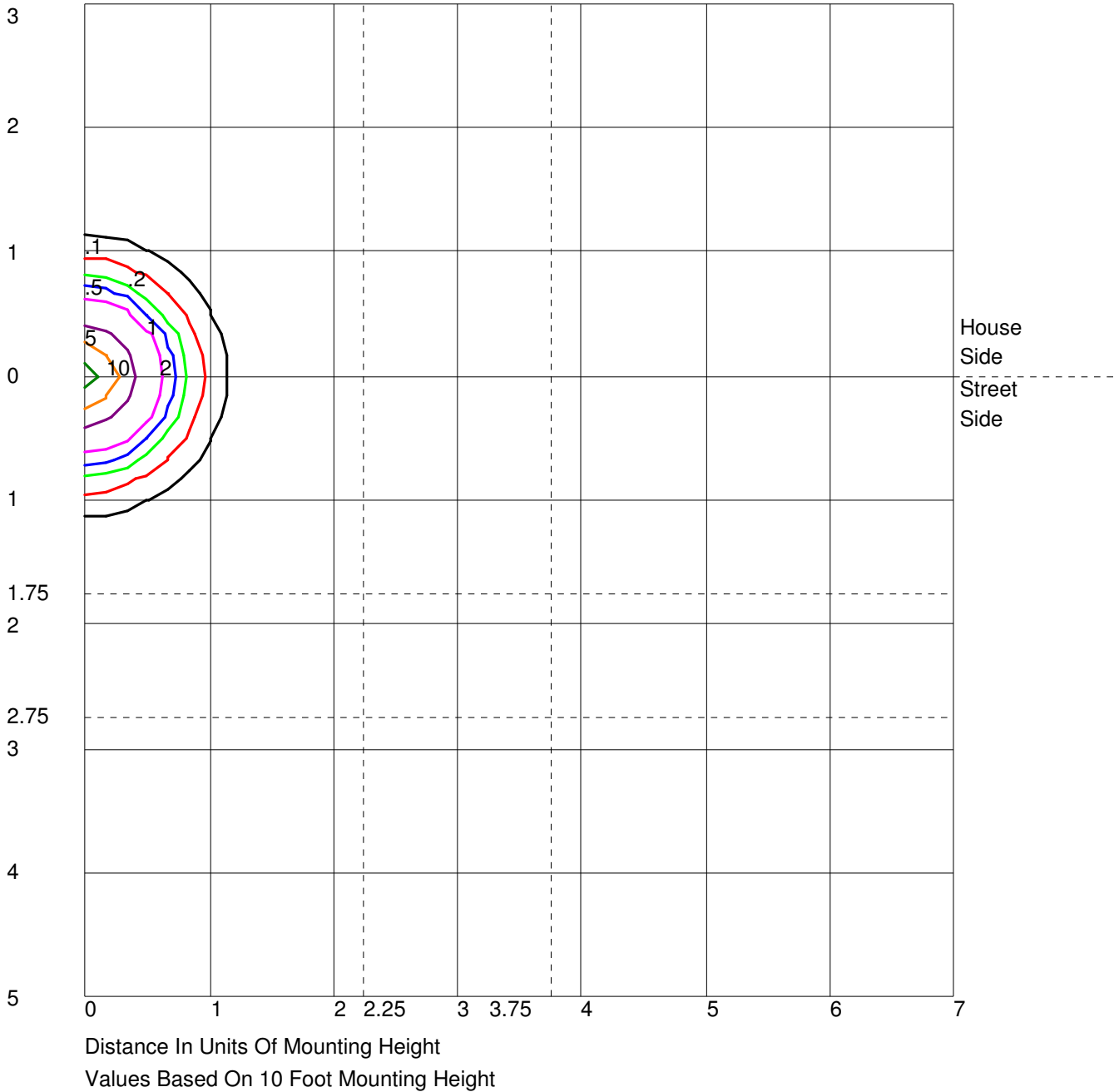


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