

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-830-XXX-DIM-UNV-S-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W6CR_Angela-S_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L10-830-xxx-DIM-UNV-S-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH SPOT DISTRIBUTION
[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	1068
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10597.944
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10597.944
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.075 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.732 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-830-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	472.0	N.A.	44.2
FM - Front-Medium (30-60)	56.5	N.A.	5.3
FH - Front-High (60-80)	5.2	N.A.	0.5
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	472.0	N.A.	44.2
BM - Back-Medium (30-60)	56.5	N.A.	5.3
BH - Back-High (60-80)	5.2	N.A.	0.5
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	1068.1	N.A.	100.0
BUG Rating	B1-U1-G0		

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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	10597.944	10597.944	10597.944	10597.944	10597.944
1	10415.650	10419.783	10420.212	10421.446	10422.537
2	9975.321	9952.802	9988.272	9965.866	9985.785
3	9256.462	9249.160	9255.807	9307.650	9293.770
4	8240.394	8333.506	8352.678	8351.317	8370.756
5	7174.082	7186.641	7213.502	7294.751	7299.892
6	5960.314	5981.873	6087.507	6139.586	6200.703
7	4829.146	4803.959	4904.071	5021.654	5031.497
8	3714.788	3766.833	3874.381	3954.995	3990.989
9	2832.089	2881.703	2965.137	3055.968	3099.563
10	2149.931	2169.285	2268.533	2346.829	2385.831
11	1635.312	1656.350	1735.037	1812.362	1831.112
12	1267.898	1296.221	1356.432	1398.168	1420.388
13	1037.400	1033.809	1070.449	1110.408	1129.916
14	834.350	841.998	877.156	916.412	922.541
15	708.179	712.494	747.967	762.690	790.028
16	619.457	622.136	642.415	660.761	669.870
17	556.526	558.255	573.606	588.343	595.943
18	511.947	513.254	525.055	537.166	542.879
19	481.543	482.743	492.206	500.845	507.355
20	462.759	461.754	468.706	475.455	480.236
21	447.703	447.768	452.086	457.079	461.384
22	438.041	437.088	440.706	443.577	448.059
23	430.077	428.267	431.096	433.483	437.654
24	422.042	420.217	421.918	423.465	427.776
25	413.269	411.904	412.216	413.684	417.449
26	403.134	401.618	401.306	402.647	405.795
27	391.281	388.976	388.160	388.980	392.667
28	375.573	372.953	371.115	371.866	375.847
29	355.095	352.817	348.979	350.211	353.822
30	328.597	326.556	321.816	323.137	326.206
31	295.456	293.786	289.211	290.678	293.697
32	256.865	256.046	252.194	254.499	257.085
33	214.948	214.831	212.235	215.171	217.777
34	172.382	173.006	171.988	175.294	177.383
35	132.622	133.977	133.778	138.572	138.984
36	97.999	98.799	101.220	104.265	105.699
37	70.967	69.615	74.215	77.247	80.625
38	48.924	48.468	51.606	54.727	55.660
39	32.870	35.202	37.438	39.054	39.788
40	23.977	25.133	26.844	29.173	29.042
41	19.083	19.628	20.804	21.720	22.197
42	16.445	16.593	17.347	17.841	18.105
43	15.022	15.043	15.458	15.663	15.814
44	14.226	14.257	14.418	14.459	14.549
45	13.763	13.798	13.822	13.798	13.863
46	13.455	13.475	13.431	13.383	13.437
47	13.211	13.208	13.129	13.077	13.098
48	13.019	12.988	12.878	12.837	12.830
49	12.865	12.806	12.676	12.614	12.594
50	12.745	12.655	12.501	12.426	12.385
51	12.652	12.542	12.347	12.265	12.210
52	12.594	12.450	12.227	12.127	12.059

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53	12.549	12.378	12.124	12.004	11.946
54	12.494	12.302	12.007	11.867	11.798
55	12.309	12.107	11.805	11.644	11.606
56	11.987	11.791	11.472	11.314	11.332
57	11.572	11.411	11.071	10.930	10.996
58	11.105	10.972	10.629	10.509	10.605
59	10.563	10.457	10.131	10.032	10.162
60	9.977	9.881	9.600	9.524	9.661
61	9.363	9.270	9.044	8.989	9.113
62	8.739	8.653	8.482	8.444	8.547
63	8.125	8.049	7.929	7.895	7.971
64	7.525	7.449	7.391	7.360	7.418
65	6.976	6.901	6.883	6.852	6.904
66	6.451	6.389	6.389	6.369	6.410
67	5.971	5.930	5.940	5.923	5.957
68	5.546	5.515	5.532	5.511	5.542
69	5.155	5.134	5.148	5.134	5.155
70	4.795	4.788	4.795	4.781	4.795
71	4.462	4.462	4.465	4.448	4.455
72	4.160	4.150	4.153	4.136	4.136
73	3.865	3.852	3.848	3.831	3.831
74	3.577	3.557	3.557	3.536	3.539
75	3.286	3.265	3.262	3.238	3.248
76	2.987	2.970	2.970	2.946	2.960
77	2.689	2.679	2.675	2.658	2.672
78	2.387	2.370	2.370	2.356	2.373
79	2.065	2.051	2.058	2.048	2.072
80	1.715	1.711	1.715	1.722	1.732
81	1.317	1.324	1.320	1.324	1.324
82	0.751	0.772	0.792	0.785	0.803
83	0.357	0.360	0.401	0.418	0.442
84	0.326	0.326	0.326	0.322	0.322
85	0.302	0.298	0.298	0.295	0.298
86	0.271	0.268	0.268	0.268	0.268
87	0.230	0.230	0.230	0.226	0.226
88	0.182	0.182	0.182	0.178	0.175
89	0.123	0.123	0.120	0.120	0.117
90	0.069	0.072	0.075	0.075	0.075
91	0.069	0.069	0.065	0.062	0.062
92	0.069	0.069	0.065	0.065	0.062
93	0.072	0.072	0.065	0.065	0.062
94	0.075	0.072	0.069	0.065	0.065
95	0.075	0.072	0.069	0.069	0.065
96	0.079	0.072	0.072	0.069	0.069
97	0.079	0.072	0.075	0.072	0.072
98	0.079	0.075	0.075	0.072	0.072
99	0.079	0.075	0.075	0.072	0.075
100	0.079	0.079	0.079	0.075	0.075
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

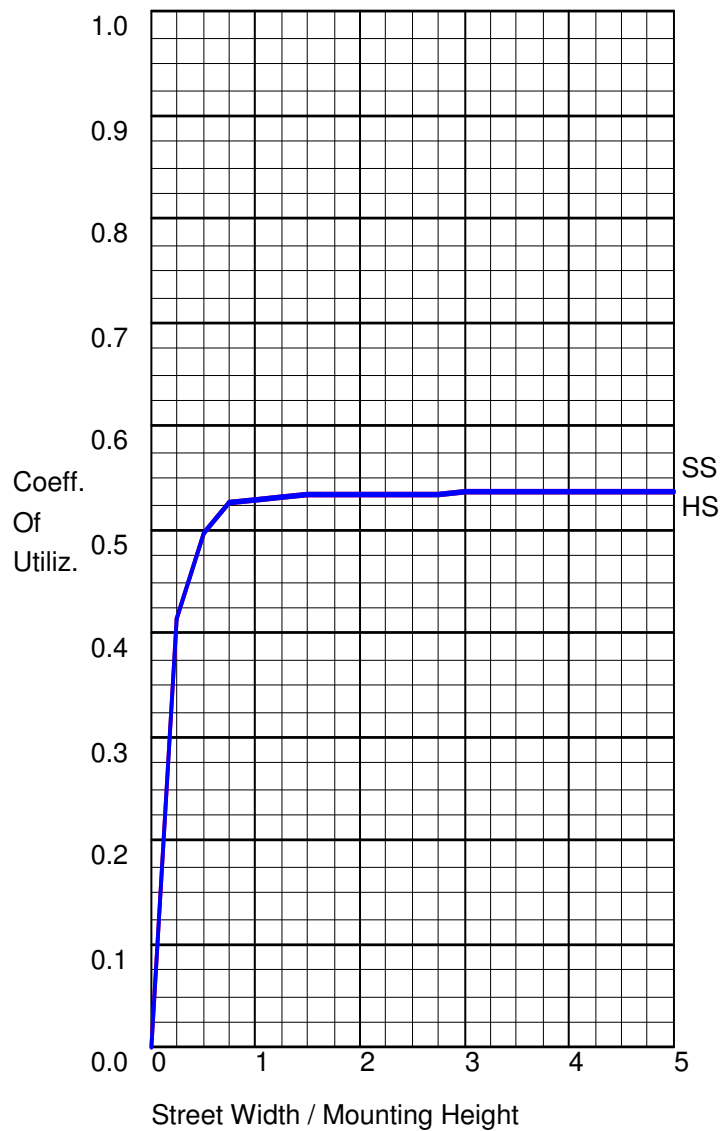
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-830-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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 : W6CR-XX-L10-830-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

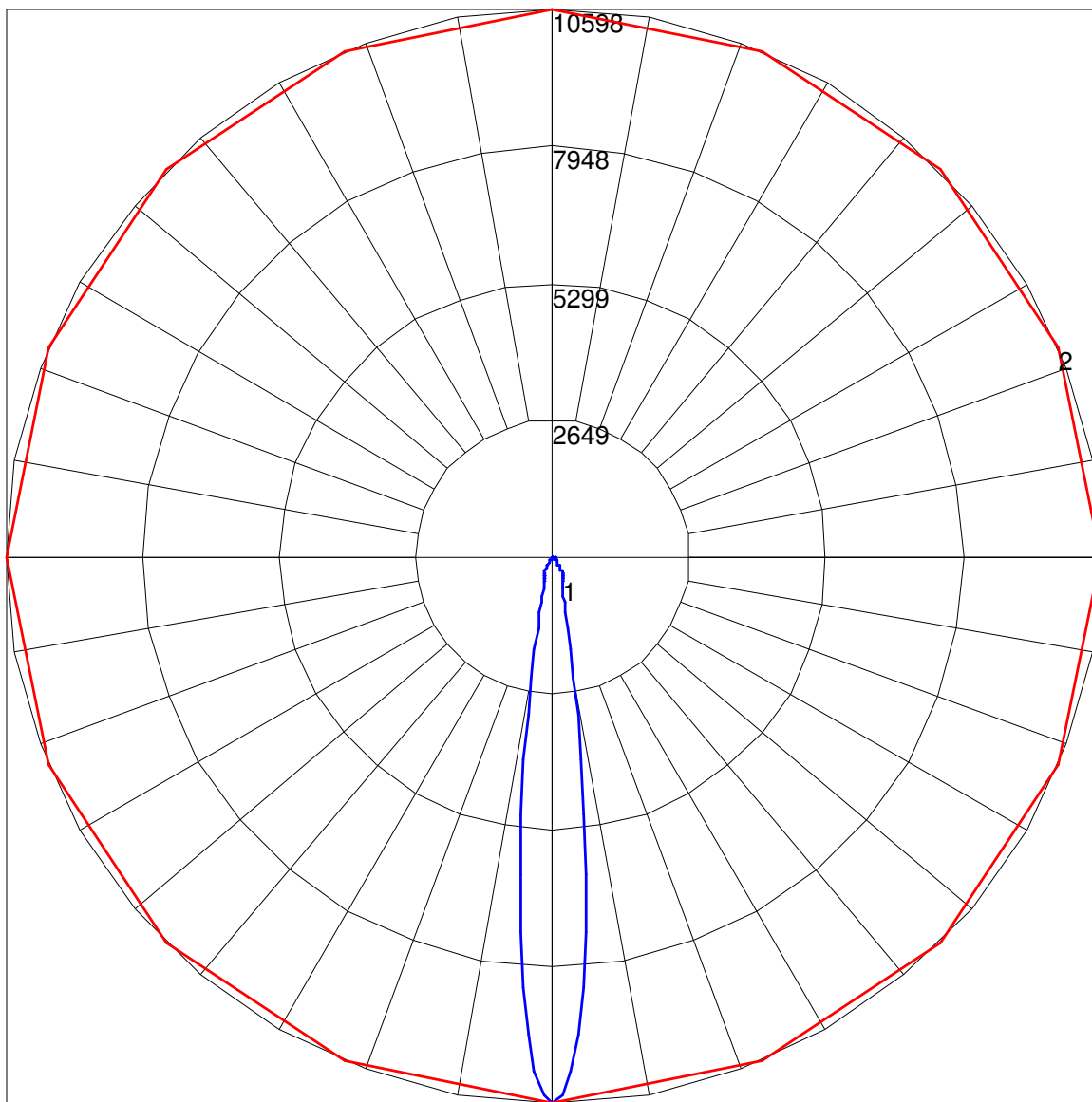
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	533.9	50.0
Downward House Side	533.9	50.0
Downward Total	1067.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1067.8	100.0

POLAR GRAPH



Maximum Candela = 10597.944 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

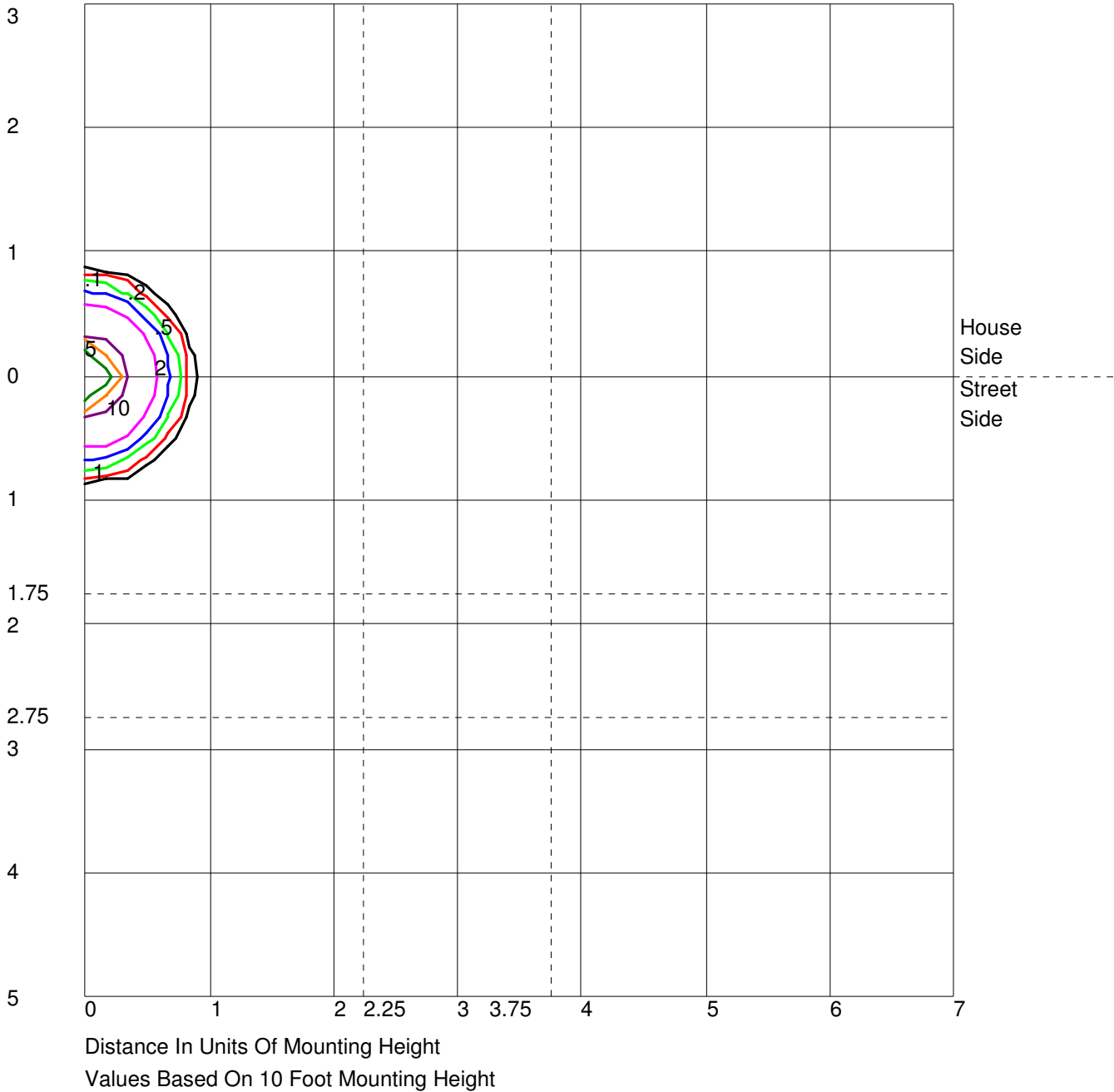


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