

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-835-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-L30-835-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	2806
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5974.347
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	5974.347
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.214 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.661 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-835-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1175.2	N.A.	41.9
FM - Front-Medium (30-60)	212.3	N.A.	7.6
FH - Front-High (60-80)	14.8	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1175.2	N.A.	41.9
BM - Back-Medium (30-60)	212.3	N.A.	7.6
BH - Back-High (60-80)	14.8	N.A.	0.5
BVH - Back-Very High (80-90)	0.7	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	2806.2	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-835-XXX-DIM-UNV-M-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	5960.801	5960.801	5960.801	5960.801	5960.801
1	5968.464	5968.315	5965.621	5963.701	5961.286
2	5974.347	5970.627	5963.272	5956.243	5949.093
3	5971.084	5966.563	5953.362	5940.218	5928.752
4	5960.662	5951.032	5931.073	5911.477	5899.610
5	5923.223	5911.515	5885.170	5858.508	5845.373
6	5857.874	5842.344	5806.322	5773.517	5756.793
7	5748.785	5729.768	5689.412	5656.448	5631.949
8	5596.310	5577.498	5536.984	5506.658	5475.429
9	5399.704	5385.422	5350.725	5323.159	5291.044
10	5165.445	5161.660	5132.677	5111.217	5086.989
11	4904.496	4907.433	4889.851	4874.590	4853.466
12	4630.385	4632.081	4625.817	4621.006	4600.786
13	4348.060	4350.055	4354.819	4355.564	4336.454
14	4058.231	4060.095	4075.766	4081.704	4065.381
15	3768.038	3771.814	3792.491	3803.966	3790.645
16	3483.113	3488.566	3509.924	3525.753	3515.759
17	3206.531	3218.622	3233.528	3254.447	3245.638
18	2944.575	2957.505	2971.787	2990.142	2984.773
19	2700.043	2709.030	2726.686	2743.000	2735.281
20	2480.513	2480.728	2498.226	2515.323	2509.869
21	2270.846	2271.331	2286.974	2304.267	2296.585
22	2086.900	2083.394	2099.923	2114.298	2110.289
23	1927.545	1921.970	1937.576	1948.361	1948.324
24	1787.170	1782.369	1794.814	1803.270	1803.941
25	1662.616	1660.099	1667.510	1675.797	1675.312
26	1553.713	1550.049	1553.023	1561.152	1557.721
27	1451.718	1446.255	1448.054	1453.396	1452.156
28	1351.439	1344.633	1342.517	1348.651	1356.743
29	1246.498	1242.023	1237.670	1240.979	1244.922
30	1139.553	1131.079	1122.698	1129.410	1131.601
31	1015.707	1010.001	1002.161	1006.151	1009.256
32	884.114	881.252	873.356	880.767	881.448
33	747.235	746.219	741.092	748.932	750.703
34	611.811	612.547	610.543	618.644	619.753
35	486.855	487.442	488.263	498.154	498.247
36	378.036	380.609	382.921	394.285	392.831
37	287.629	291.115	297.296	303.701	303.878
38	224.088	220.005	227.314	236.468	234.604
39	168.891	171.949	181.169	182.558	188.571
40	137.969	138.771	143.022	146.928	149.147
41	115.232	117.442	120.378	121.292	122.243
42	100.913	101.445	103.598	105.388	104.605
43	90.417	90.873	92.244	92.467	92.216
44	82.241	82.800	83.565	83.388	82.921
45	75.436	76.060	76.517	76.098	75.659
46	69.442	70.001	70.383	69.861	69.423
47	63.876	64.445	64.771	64.268	63.718
48	58.861	59.392	59.690	59.196	58.628
49	54.367	54.806	55.067	54.591	53.995
50	50.266	50.601	50.862	50.405	49.837
51	46.583	46.891	47.087	46.667	46.136
52	43.293	43.535	43.675	43.330	42.789

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-835-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	40.375	40.533	40.664	40.365	39.834
54	37.755	37.876	37.970	37.671	37.205
55	35.341	35.406	35.508	35.210	34.819
56	33.010	33.103	33.150	32.917	32.600
57	30.913	30.978	31.006	30.801	30.549
58	29.057	29.104	29.123	28.927	28.694
59	27.389	27.407	27.398	27.221	27.025
60	25.869	25.860	25.851	25.683	25.515
61	24.480	24.443	24.424	24.266	24.107
62	23.194	23.156	23.110	22.961	22.802
63	22.010	21.945	21.898	21.740	21.581
64	20.845	20.789	20.733	20.574	20.425
65	19.745	19.698	19.623	19.474	19.325
66	18.663	18.617	18.523	18.383	18.234
67	17.619	17.572	17.479	17.330	17.200
68	16.594	16.547	16.454	16.295	16.174
69	15.568	15.531	15.438	15.289	15.149
70	14.571	14.515	14.431	14.291	14.142
71	13.573	13.499	13.424	13.294	13.154
72	12.566	12.492	12.427	12.296	12.184
73	11.560	11.494	11.429	11.317	11.187
74	10.553	10.506	10.432	10.338	10.245
75	9.574	9.537	9.462	9.378	9.294
76	8.586	8.567	8.493	8.427	8.362
77	7.626	7.607	7.551	7.504	7.448
78	6.647	6.637	6.609	6.554	6.544
79	5.668	5.659	5.640	5.621	5.612
80	4.642	4.661	4.642	4.661	4.624
81	3.514	3.552	3.524	3.524	3.487
82	1.986	2.032	2.060	2.079	2.098
83	0.895	0.914	1.035	1.109	1.193
84	0.820	0.830	0.830	0.820	0.820
85	0.755	0.755	0.755	0.755	0.755
86	0.671	0.671	0.681	0.671	0.671
87	0.569	0.569	0.569	0.578	0.569
88	0.438	0.447	0.447	0.447	0.438
89	0.298	0.308	0.308	0.308	0.308
90	0.177	0.186	0.205	0.214	0.214
91	0.177	0.186	0.186	0.186	0.177
92	0.177	0.177	0.186	0.186	0.186
93	0.177	0.186	0.186	0.186	0.186
94	0.177	0.186	0.186	0.186	0.186
95	0.186	0.186	0.186	0.196	0.186
96	0.186	0.186	0.196	0.196	0.186
97	0.186	0.196	0.196	0.196	0.186
98	0.186	0.205	0.205	0.196	0.196
99	0.196	0.205	0.205	0.205	0.196
100	0.196	0.205	0.205	0.205	0.196
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

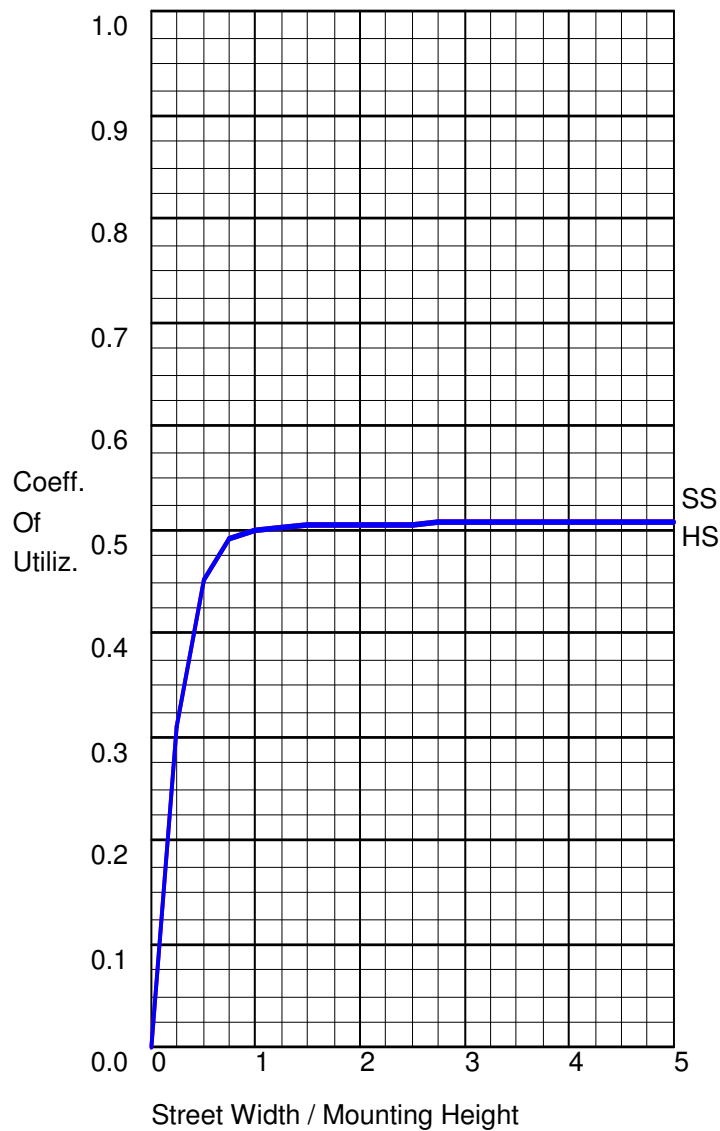
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-835-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L30-835-XXX-DIM-UNV-M-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

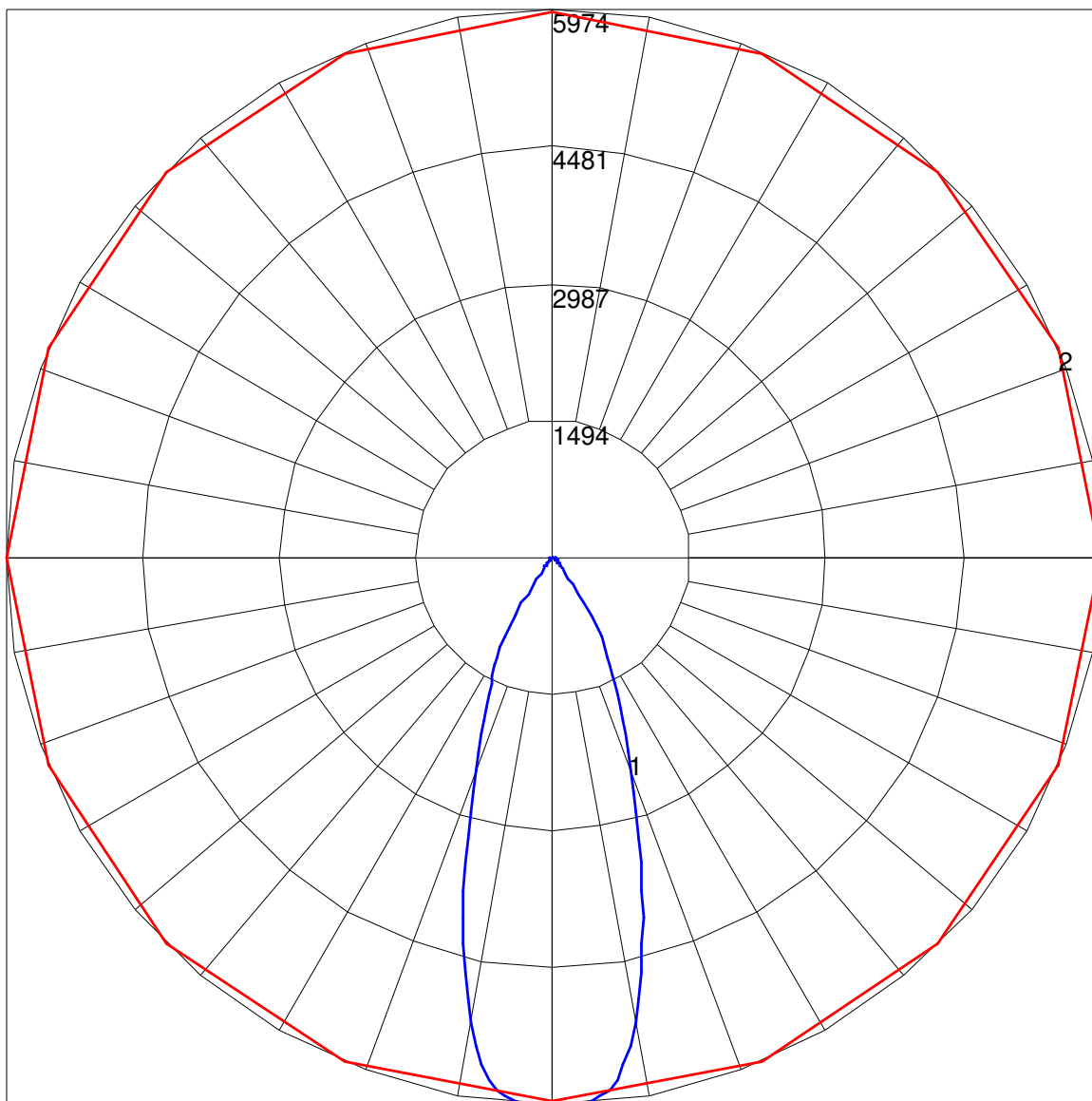
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1402.9	50.0
Downward House Side	1402.9	50.0
Downward Total	2805.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2806.0	100.0

POLAR GRAPH



Maximum Candela = 5974.347 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

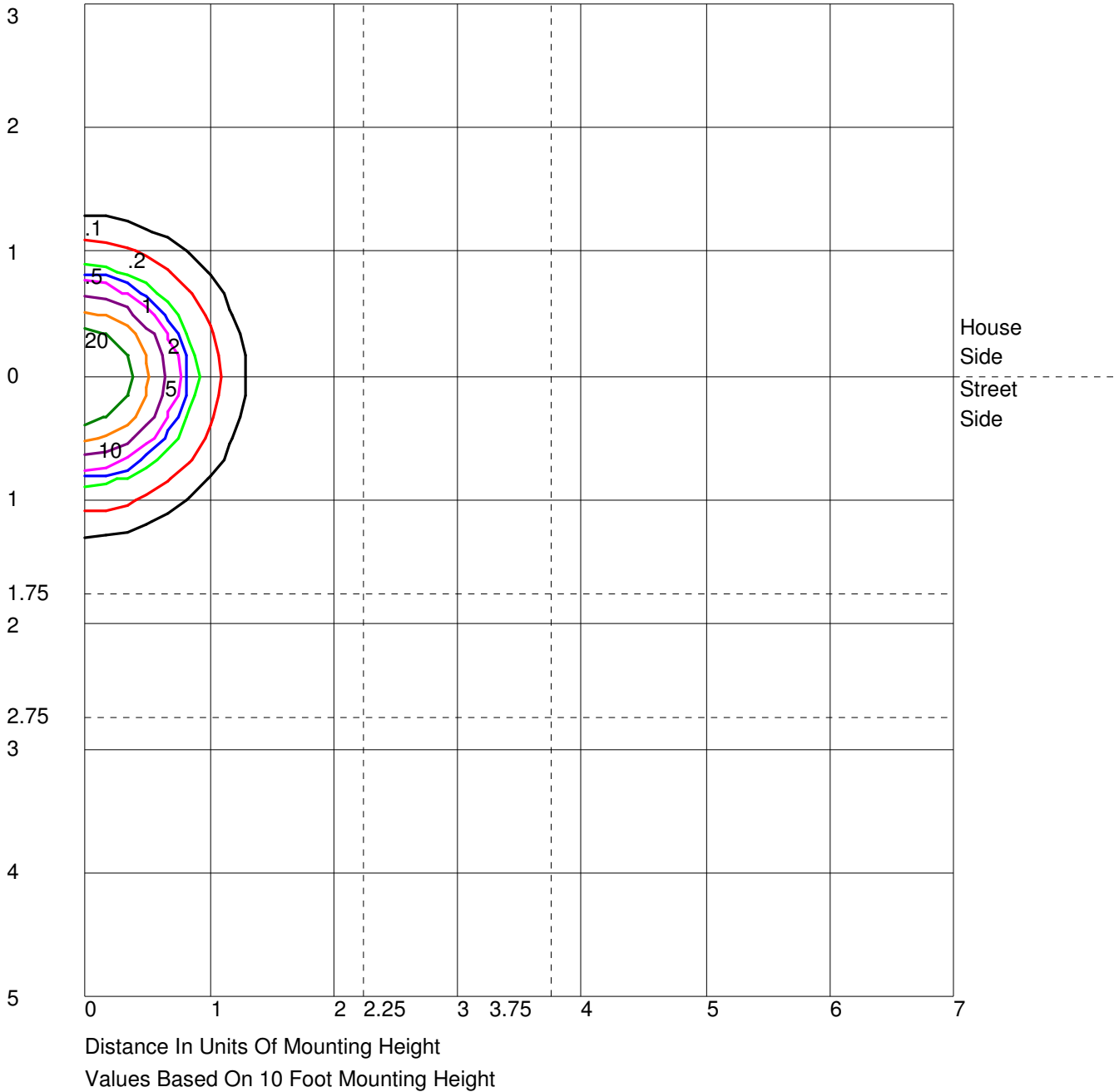


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