

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-840-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-L30-840-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	2834
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6034.091
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	6034.091
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.217 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.708 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-840-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1186.9	N.A.	41.9
FM - Front-Medium (30-60)	214.4	N.A.	7.6
FH - Front-High (60-80)	14.9	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1186.9	N.A.	41.9
BM - Back-Medium (30-60)	214.4	N.A.	7.6
BH - Back-High (60-80)	14.9	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	2834.2	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	6020.410	6020.410	6020.410	6020.410	6020.410
1	6028.150	6027.999	6025.278	6023.338	6020.900
2	6034.091	6030.334	6022.905	6015.806	6008.584
3	6030.795	6026.229	6012.896	5999.621	5988.040
4	6020.269	6010.543	5990.384	5970.593	5958.607
5	5982.456	5970.630	5944.022	5917.094	5903.828
6	5916.454	5900.767	5864.386	5831.253	5814.362
7	5806.274	5787.066	5746.306	5713.013	5688.269
8	5652.274	5633.274	5592.354	5561.725	5530.184
9	5453.702	5439.277	5404.233	5376.391	5343.955
10	5217.100	5213.277	5184.004	5162.330	5137.859
11	4953.542	4956.508	4938.750	4923.337	4902.001
12	4676.689	4678.402	4672.075	4667.217	4646.795
13	4391.541	4393.556	4398.367	4399.120	4379.819
14	4098.814	4100.697	4116.524	4122.522	4106.035
15	3805.719	3809.532	3830.416	3842.006	3828.552
16	3517.944	3523.452	3545.023	3561.011	3550.917
17	3238.596	3250.808	3265.864	3286.992	3278.094
18	2974.021	2987.081	3001.505	3020.044	3014.621
19	2727.044	2736.120	2753.953	2770.430	2762.634
20	2505.319	2505.535	2523.208	2540.476	2534.968
21	2293.555	2294.045	2309.844	2327.309	2319.551
22	2107.769	2104.228	2120.922	2135.441	2131.392
23	1946.820	1941.190	1956.951	1967.845	1967.808
24	1805.042	1800.193	1812.763	1821.303	1821.981
25	1679.242	1676.700	1684.185	1692.555	1692.066
26	1569.250	1565.550	1568.553	1576.764	1573.299
27	1466.235	1460.718	1462.535	1467.930	1466.678
28	1364.953	1358.080	1355.942	1362.138	1370.310
29	1258.963	1254.444	1250.047	1253.389	1257.372
30	1150.949	1142.390	1133.925	1140.705	1142.917
31	1025.864	1020.102	1012.183	1016.213	1019.348
32	892.955	890.064	882.089	889.575	890.262
33	754.707	753.681	748.503	756.421	758.210
34	617.929	618.673	616.648	624.830	625.951
35	491.724	492.317	493.145	503.135	503.229
36	381.817	384.415	386.750	398.228	396.759
37	290.505	294.027	300.269	306.738	306.916
38	226.329	222.205	229.587	238.833	236.950
39	170.580	173.669	182.980	184.383	190.456
40	139.349	140.159	144.452	148.397	150.638
41	116.385	118.616	121.582	122.505	123.465
42	101.923	102.459	104.634	106.442	105.651
43	91.321	91.782	93.166	93.392	93.138
44	83.063	83.628	84.400	84.221	83.751
45	76.190	76.821	77.282	76.859	76.416
46	70.136	70.701	71.087	70.560	70.117
47	64.515	65.089	65.419	64.910	64.355
48	59.449	59.986	60.287	59.788	59.214
49	54.911	55.354	55.617	55.137	54.534
50	50.768	51.107	51.371	50.910	50.335
51	47.049	47.360	47.558	47.134	46.597
52	43.725	43.970	44.112	43.763	43.217

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-840-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	40.778	40.939	41.070	40.769	40.232
54	38.133	38.255	38.349	38.048	37.577
55	35.694	35.760	35.864	35.562	35.167
56	33.340	33.434	33.481	33.246	32.926
57	31.222	31.288	31.316	31.109	30.855
58	29.348	29.395	29.414	29.216	28.981
59	27.663	27.682	27.672	27.493	27.295
60	26.128	26.119	26.109	25.940	25.770
61	24.725	24.687	24.669	24.509	24.348
62	23.426	23.388	23.341	23.190	23.030
63	22.230	22.164	22.117	21.957	21.797
64	21.053	20.997	20.940	20.780	20.629
65	19.942	19.895	19.820	19.669	19.518
66	18.850	18.803	18.709	18.567	18.417
67	17.795	17.748	17.654	17.503	17.372
68	16.760	16.712	16.618	16.458	16.336
69	15.724	15.686	15.592	15.441	15.300
70	14.716	14.660	14.575	14.434	14.283
71	13.709	13.634	13.558	13.426	13.285
72	12.692	12.617	12.551	12.419	12.306
73	11.675	11.609	11.543	11.430	11.299
74	10.658	10.611	10.536	10.442	10.348
75	9.670	9.632	9.557	9.472	9.387
76	8.672	8.653	8.578	8.512	8.446
77	7.702	7.683	7.627	7.579	7.523
78	6.713	6.704	6.676	6.619	6.610
79	5.725	5.715	5.696	5.678	5.668
80	4.689	4.708	4.689	4.708	4.670
81	3.550	3.587	3.559	3.559	3.521
82	2.005	2.053	2.081	2.100	2.118
83	0.904	0.923	1.045	1.120	1.205
84	0.829	0.838	0.838	0.829	0.829
85	0.763	0.763	0.763	0.763	0.763
86	0.678	0.678	0.687	0.678	0.678
87	0.574	0.574	0.574	0.584	0.574
88	0.443	0.452	0.452	0.452	0.443
89	0.301	0.311	0.311	0.311	0.311
90	0.179	0.188	0.207	0.217	0.217
91	0.179	0.188	0.188	0.188	0.179
92	0.179	0.179	0.188	0.188	0.188
93	0.179	0.188	0.188	0.188	0.188
94	0.179	0.188	0.188	0.188	0.188
95	0.188	0.188	0.188	0.198	0.188
96	0.188	0.188	0.198	0.198	0.188
97	0.188	0.198	0.198	0.198	0.188
98	0.188	0.207	0.207	0.198	0.198
99	0.198	0.207	0.207	0.207	0.198
100	0.198	0.207	0.207	0.207	0.198
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

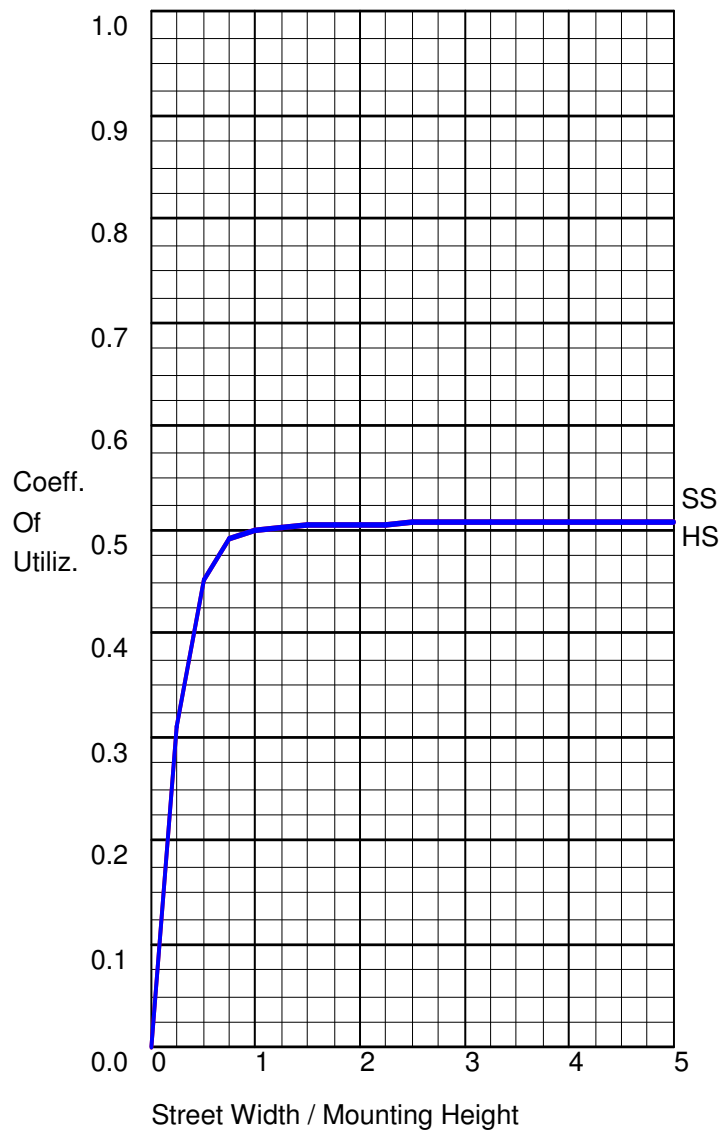
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000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

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-840-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

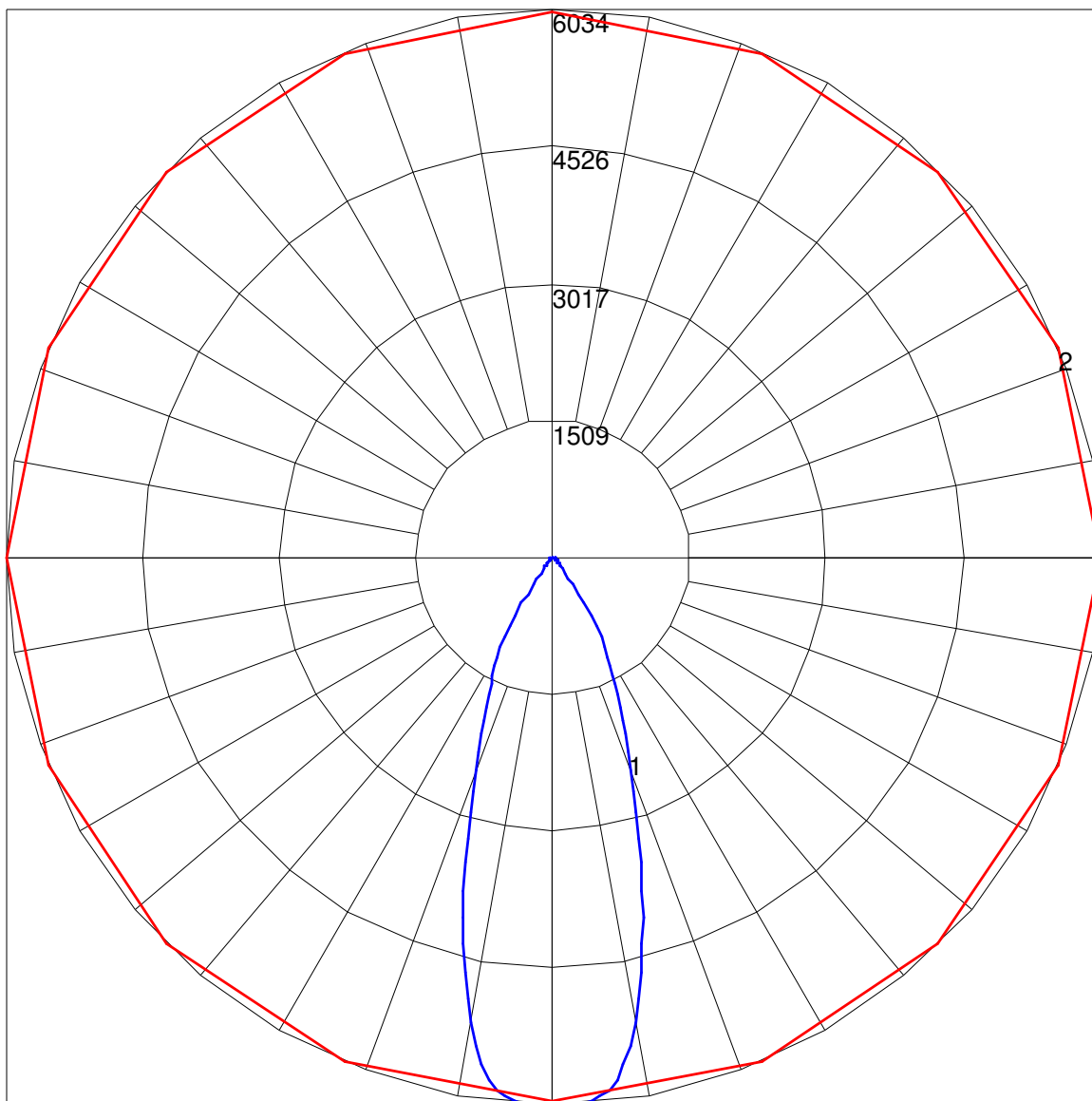
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1416.9	50.0
Downward House Side	1416.9	50.0
Downward Total	2833.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2834.0	100.0

POLAR GRAPH



Maximum Candela = 6034.091 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

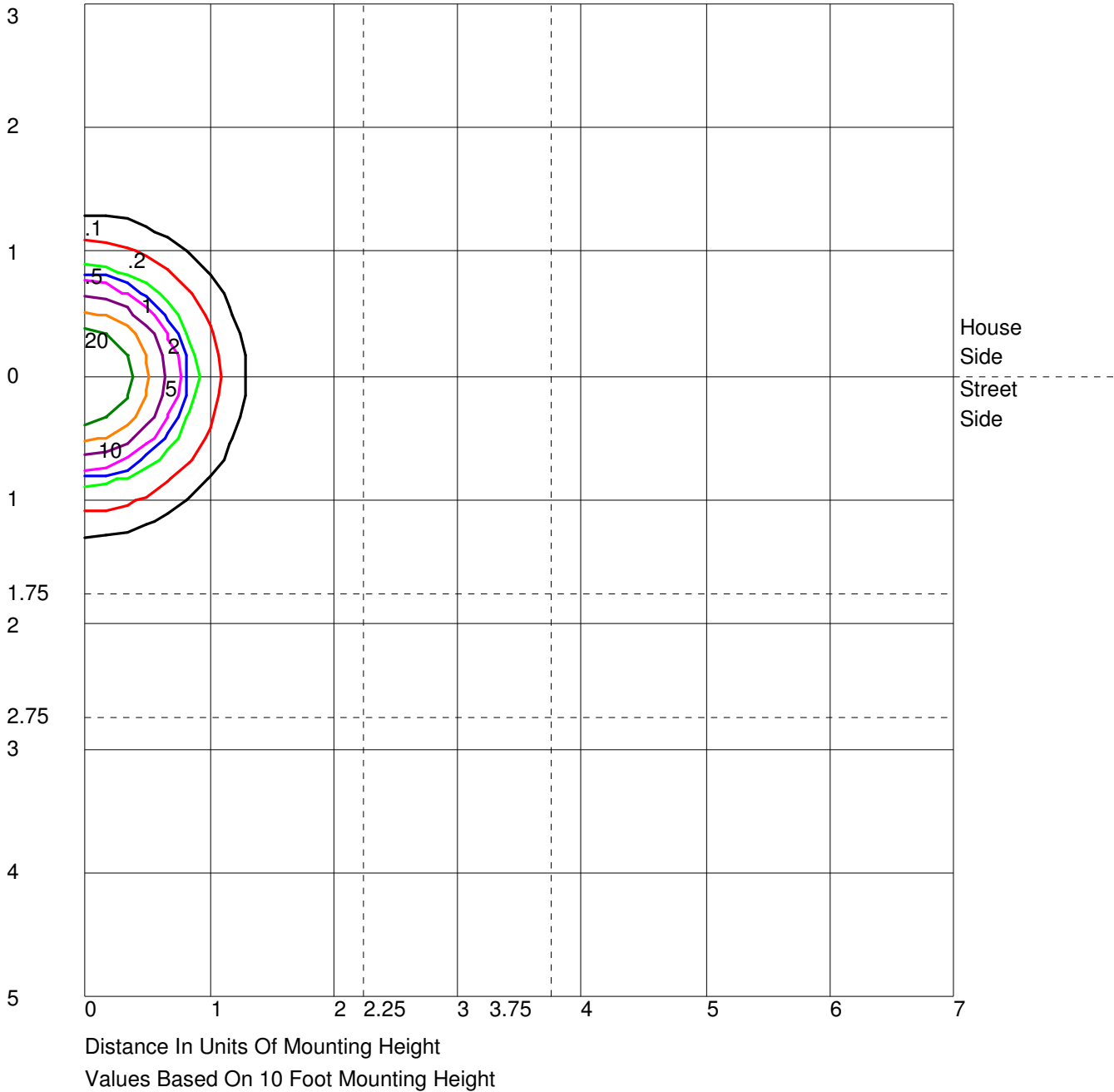


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