

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-827-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-L40-827-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	3611
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7688.935
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	7688.935
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.276 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.999 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-827-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1512.5	N.A.	41.9
FM - Front-Medium (30-60)	273.2	N.A.	7.6
FH - Front-High (60-80)	19.0	N.A.	0.5
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1512.5	N.A.	41.9
BM - Back-Medium (30-60)	273.2	N.A.	7.6
BH - Back-High (60-80)	19.0	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	3611.5	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	7671.502	7671.502	7671.502	7671.502	7671.502
1	7681.364	7681.172	7677.705	7675.233	7672.126
2	7688.935	7684.148	7674.682	7665.635	7656.433
3	7684.736	7678.917	7661.928	7645.011	7630.254
4	7671.322	7658.929	7633.242	7608.022	7592.749
5	7623.140	7608.070	7574.165	7539.852	7522.947
6	7539.036	7519.048	7472.689	7430.469	7408.945
7	7398.639	7374.164	7322.226	7279.802	7248.272
8	7202.405	7178.194	7126.052	7087.024	7046.831
9	6949.374	6930.994	6886.339	6850.861	6809.530
10	6647.885	6643.014	6605.713	6578.094	6546.913
11	6312.046	6315.825	6293.198	6273.558	6246.371
12	5959.267	5961.450	5953.388	5947.197	5921.174
13	5595.917	5598.485	5604.616	5605.575	5580.980
14	5222.910	5225.309	5245.477	5253.120	5232.112
15	4849.434	4854.293	4880.904	4895.673	4878.529
16	4482.737	4489.756	4517.243	4537.615	4524.753
17	4126.779	4142.340	4161.524	4188.447	4177.109
18	3789.644	3806.285	3824.665	3848.289	3841.378
19	3474.933	3486.499	3509.222	3530.218	3520.284
20	3192.400	3192.676	3215.196	3237.199	3230.181
21	2922.560	2923.184	2943.316	2965.572	2955.686
22	2685.822	2681.311	2702.583	2721.084	2715.925
23	2480.734	2473.560	2493.644	2507.525	2507.477
24	2300.073	2293.895	2309.911	2320.793	2321.657
25	2139.772	2136.533	2146.071	2156.737	2156.113
26	1999.616	1994.901	1998.728	2009.190	2004.775
27	1868.349	1861.319	1863.634	1870.509	1868.913
28	1739.290	1730.532	1727.808	1735.703	1746.117
29	1604.232	1598.474	1592.871	1597.130	1602.205
30	1466.595	1455.689	1444.903	1453.542	1456.361
31	1307.206	1299.864	1289.774	1294.909	1298.904
32	1137.847	1134.164	1124.002	1133.540	1134.416
33	961.685	960.377	953.779	963.869	966.148
34	787.395	788.343	785.763	796.189	797.617
35	626.578	627.334	628.390	641.119	641.239
36	486.530	489.841	492.816	507.441	505.570
37	370.176	374.663	382.618	390.860	391.088
38	288.400	283.145	292.551	304.333	301.933
39	217.362	221.297	233.163	234.950	242.689
40	177.566	178.597	184.068	189.095	191.951
41	148.303	151.147	154.926	156.102	157.325
42	129.875	130.559	133.330	135.634	134.626
43	116.365	116.953	118.717	119.005	118.681
44	105.843	106.563	107.547	107.319	106.719
45	97.085	97.889	98.477	97.937	97.373
46	89.371	90.091	90.582	89.911	89.347
47	82.208	82.940	83.360	82.712	82.004
48	75.753	76.437	76.821	76.185	75.453
49	69.970	70.534	70.870	70.258	69.491
50	64.691	65.123	65.459	64.871	64.140
51	59.952	60.348	60.600	60.060	59.376
52	55.717	56.029	56.209	55.765	55.069

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-827-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	51.962	52.166	52.334	51.950	51.266
54	48.591	48.747	48.867	48.483	47.883
55	45.483	45.567	45.699	45.315	44.811
56	42.484	42.604	42.664	42.364	41.956
57	39.784	39.868	39.904	39.640	39.316
58	37.397	37.457	37.481	37.229	36.929
59	35.249	35.273	35.261	35.033	34.781
60	33.294	33.282	33.270	33.054	32.838
61	31.506	31.458	31.434	31.230	31.026
62	29.850	29.802	29.742	29.550	29.346
63	28.326	28.243	28.183	27.979	27.775
64	26.827	26.755	26.683	26.479	26.287
65	25.411	25.351	25.255	25.063	24.871
66	24.019	23.959	23.839	23.659	23.467
67	22.676	22.616	22.496	22.304	22.136
68	21.356	21.296	21.176	20.972	20.816
69	20.036	19.988	19.868	19.676	19.496
70	18.752	18.680	18.572	18.392	18.200
71	17.469	17.373	17.277	17.109	16.929
72	16.173	16.077	15.993	15.825	15.681
73	14.877	14.793	14.709	14.565	14.397
74	13.581	13.521	13.425	13.305	13.185
75	12.322	12.274	12.178	12.070	11.962
76	11.050	11.026	10.930	10.846	10.762
77	9.814	9.790	9.718	9.658	9.586
78	8.554	8.542	8.506	8.434	8.422
79	7.295	7.283	7.259	7.235	7.223
80	5.975	5.999	5.975	5.999	5.951
81	4.523	4.571	4.535	4.535	4.487
82	2.556	2.615	2.651	2.675	2.699
83	1.152	1.176	1.332	1.428	1.536
84	1.056	1.068	1.068	1.056	1.056
85	0.972	0.972	0.972	0.972	0.972
86	0.864	0.864	0.876	0.864	0.864
87	0.732	0.732	0.732	0.744	0.732
88	0.564	0.576	0.576	0.576	0.564
89	0.384	0.396	0.396	0.396	0.396
90	0.228	0.240	0.264	0.276	0.276
91	0.228	0.240	0.240	0.240	0.228
92	0.228	0.228	0.240	0.240	0.240
93	0.228	0.240	0.240	0.240	0.240
94	0.228	0.240	0.240	0.240	0.240
95	0.240	0.240	0.240	0.252	0.240
96	0.240	0.240	0.252	0.252	0.240
97	0.240	0.252	0.252	0.252	0.240
98	0.240	0.264	0.264	0.252	0.252
99	0.252	0.264	0.264	0.264	0.252
100	0.252	0.264	0.264	0.264	0.252
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

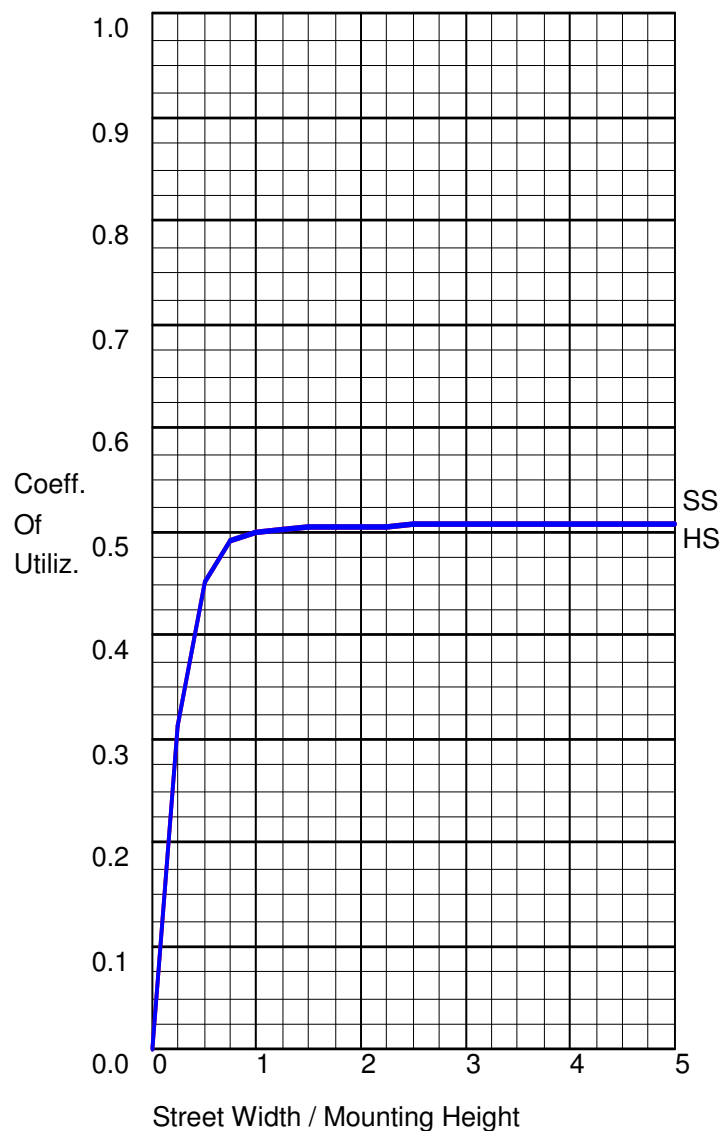
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-827-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L40-827-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

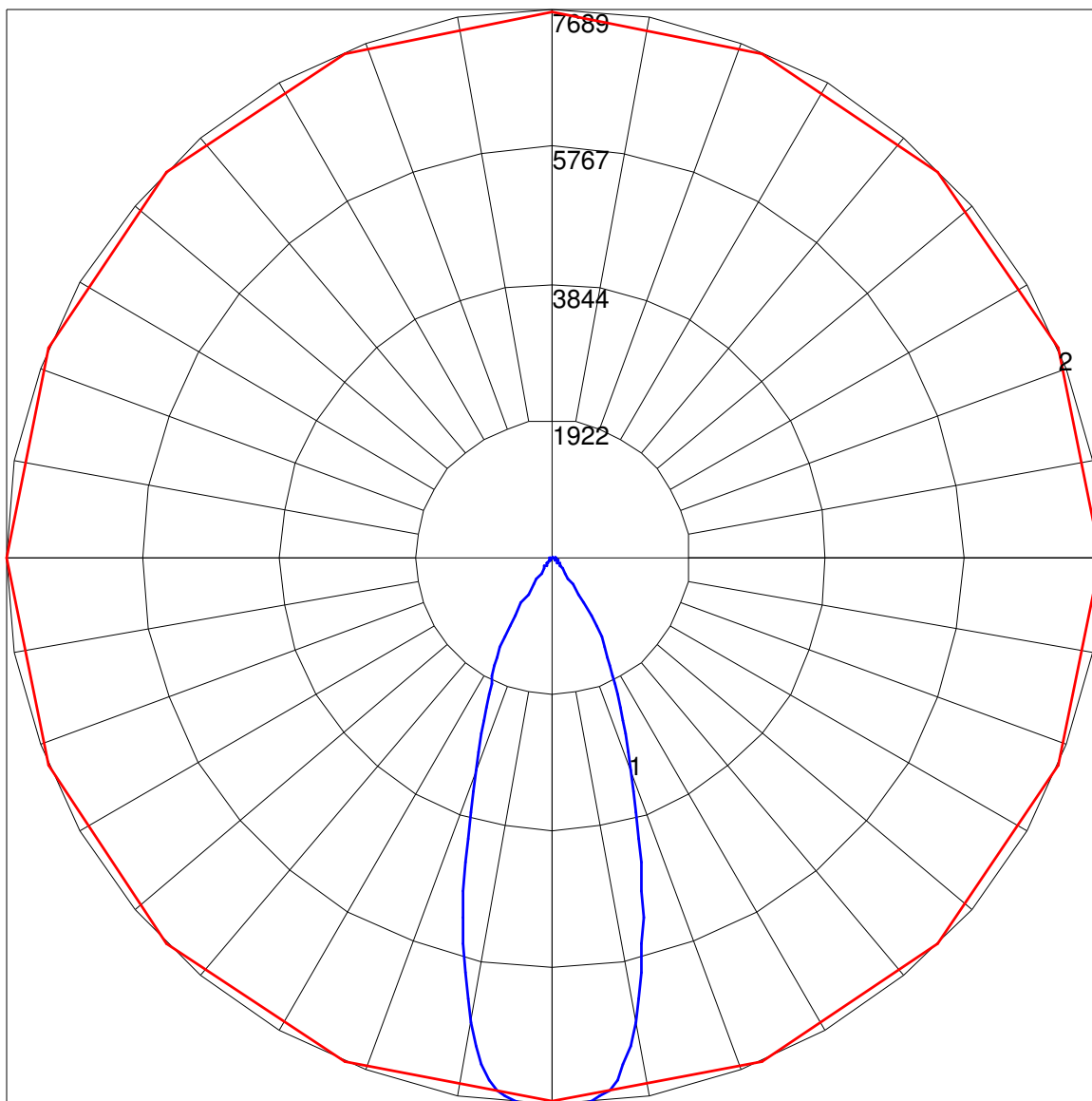
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1805.5	50.0
Downward House Side	1805.5	50.0
Downward Total	3611.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3611.2	100.0

POLAR GRAPH



Maximum Candela = 7688.935 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

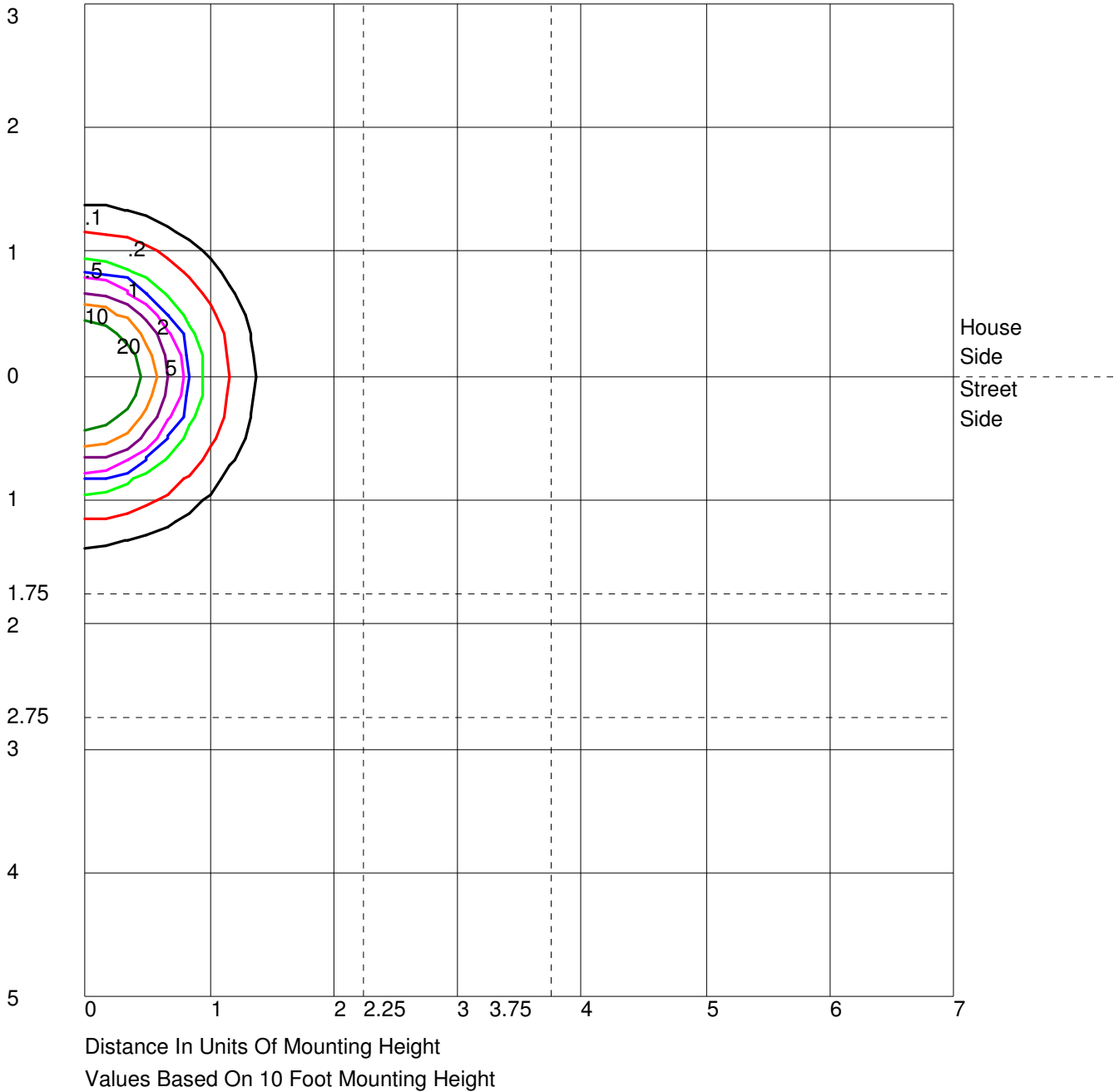


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