

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-950-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-L40-950-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	3464
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7375.101
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	7375.101
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.265 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.754 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1450.7	N.A.	41.9
FM - Front-Medium (30-60)	262.0	N.A.	7.6
FH - Front-High (60-80)	18.2	N.A.	0.5
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	1450.7	N.A.	41.9
BM - Back-Medium (30-60)	262.0	N.A.	7.6
BH - Back-High (60-80)	18.2	N.A.	0.5
BVH - Back-Very High (80-90)	0.8	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	3463.7	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	7358.380	7358.380	7358.380	7358.380	7358.380
1	7367.840	7367.656	7364.330	7361.959	7358.979
2	7375.101	7370.510	7361.430	7352.753	7343.926
3	7371.073	7365.492	7349.197	7332.971	7318.816
4	7358.208	7346.320	7321.681	7297.492	7282.842
5	7311.992	7297.538	7265.016	7232.103	7215.889
6	7231.321	7212.148	7167.682	7127.185	7106.540
7	7096.654	7073.178	7023.360	6982.668	6952.425
8	6908.430	6885.207	6835.193	6797.758	6759.206
9	6665.727	6648.097	6605.264	6571.235	6531.590
10	6376.543	6371.871	6336.093	6309.601	6279.692
11	6054.412	6058.037	6036.333	6017.495	5991.417
12	5716.032	5718.126	5710.393	5704.455	5679.494
13	5367.513	5369.976	5375.856	5376.777	5353.185
14	5009.730	5012.032	5031.377	5038.707	5018.557
15	4651.498	4656.159	4681.684	4695.850	4679.405
16	4299.769	4306.501	4332.866	4352.406	4340.070
17	3958.339	3973.265	3991.666	4017.490	4006.615
18	3634.965	3650.927	3668.557	3691.216	3684.587
19	3333.099	3344.193	3365.989	3386.128	3376.600
20	3062.098	3062.363	3083.963	3105.069	3098.337
21	2803.272	2803.871	2823.181	2844.529	2835.046
22	2576.197	2571.870	2592.274	2610.019	2605.071
23	2379.480	2372.598	2391.863	2405.177	2405.131
24	2206.193	2200.266	2215.629	2226.067	2226.896
25	2052.435	2049.328	2058.477	2068.707	2068.109
26	1917.999	1913.476	1917.147	1927.182	1922.947
27	1792.090	1785.346	1787.568	1794.162	1792.631
28	1668.299	1659.898	1657.286	1664.858	1674.847
29	1538.754	1533.230	1527.856	1531.941	1536.809
30	1406.734	1396.274	1385.928	1394.214	1396.918
31	1253.851	1246.808	1237.130	1242.055	1245.887
32	1091.404	1087.871	1078.124	1087.273	1088.113
33	922.433	921.178	914.849	924.527	926.714
34	755.257	756.166	753.691	763.692	765.061
35	601.004	601.729	602.741	614.951	615.066
36	466.671	469.847	472.701	486.730	484.934
37	355.067	359.371	367.001	374.907	375.125
38	276.629	271.588	280.610	291.911	289.610
39	208.490	212.265	223.646	225.361	232.783
40	170.318	171.308	176.555	181.377	184.116
41	142.250	144.977	148.602	149.730	150.904
42	124.574	125.230	127.888	130.098	129.131
43	111.616	112.180	113.871	114.148	113.837
44	101.523	102.214	103.157	102.939	102.363
45	93.122	93.894	94.457	93.940	93.399
46	85.723	86.413	86.885	86.241	85.700
47	78.853	79.555	79.957	79.336	78.657
48	72.661	73.317	73.686	73.076	72.374
49	67.114	67.655	67.978	67.391	66.654
50	62.051	62.465	62.787	62.224	61.522
51	57.505	57.885	58.127	57.609	56.953
52	53.443	53.742	53.915	53.489	52.822

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	49.841	50.037	50.198	49.830	49.174
54	46.607	46.757	46.872	46.504	45.928
55	43.627	43.707	43.834	43.466	42.982
56	40.750	40.865	40.922	40.635	40.243
57	38.160	38.241	38.276	38.022	37.712
58	35.870	35.928	35.951	35.709	35.422
59	33.810	33.833	33.822	33.603	33.362
60	31.935	31.923	31.912	31.704	31.497
61	30.220	30.174	30.151	29.955	29.760
62	28.632	28.586	28.528	28.344	28.148
63	27.170	27.090	27.032	26.837	26.641
64	25.732	25.663	25.594	25.398	25.214
65	24.374	24.316	24.224	24.040	23.856
66	23.039	22.981	22.866	22.694	22.510
67	21.750	21.693	21.577	21.393	21.232
68	20.484	20.427	20.312	20.116	19.966
69	19.218	19.172	19.057	18.873	18.700
70	17.987	17.918	17.814	17.642	17.458
71	16.756	16.664	16.571	16.410	16.238
72	15.513	15.421	15.340	15.179	15.041
73	14.270	14.189	14.109	13.971	13.810
74	13.027	12.969	12.877	12.762	12.647
75	11.819	11.773	11.681	11.577	11.473
76	10.599	10.576	10.484	10.403	10.323
77	9.414	9.391	9.321	9.264	9.195
78	8.205	8.194	8.159	8.090	8.079
79	6.997	6.985	6.962	6.939	6.928
80	5.731	5.754	5.731	5.754	5.708
81	4.339	4.385	4.350	4.350	4.304
82	2.451	2.509	2.543	2.566	2.589
83	1.105	1.128	1.277	1.369	1.473
84	1.013	1.024	1.024	1.013	1.013
85	0.932	0.932	0.932	0.932	0.932
86	0.829	0.829	0.840	0.829	0.829
87	0.702	0.702	0.702	0.713	0.702
88	0.541	0.552	0.552	0.552	0.541
89	0.368	0.380	0.380	0.380	0.380
90	0.219	0.230	0.253	0.265	0.265
91	0.219	0.230	0.230	0.230	0.219
92	0.219	0.219	0.230	0.230	0.230
93	0.219	0.230	0.230	0.230	0.230
94	0.219	0.230	0.230	0.230	0.230
95	0.230	0.230	0.230	0.242	0.230
96	0.230	0.230	0.242	0.242	0.230
97	0.230	0.242	0.242	0.242	0.230
98	0.230	0.253	0.253	0.242	0.242
99	0.242	0.253	0.253	0.253	0.242
100	0.242	0.253	0.253	0.253	0.242
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

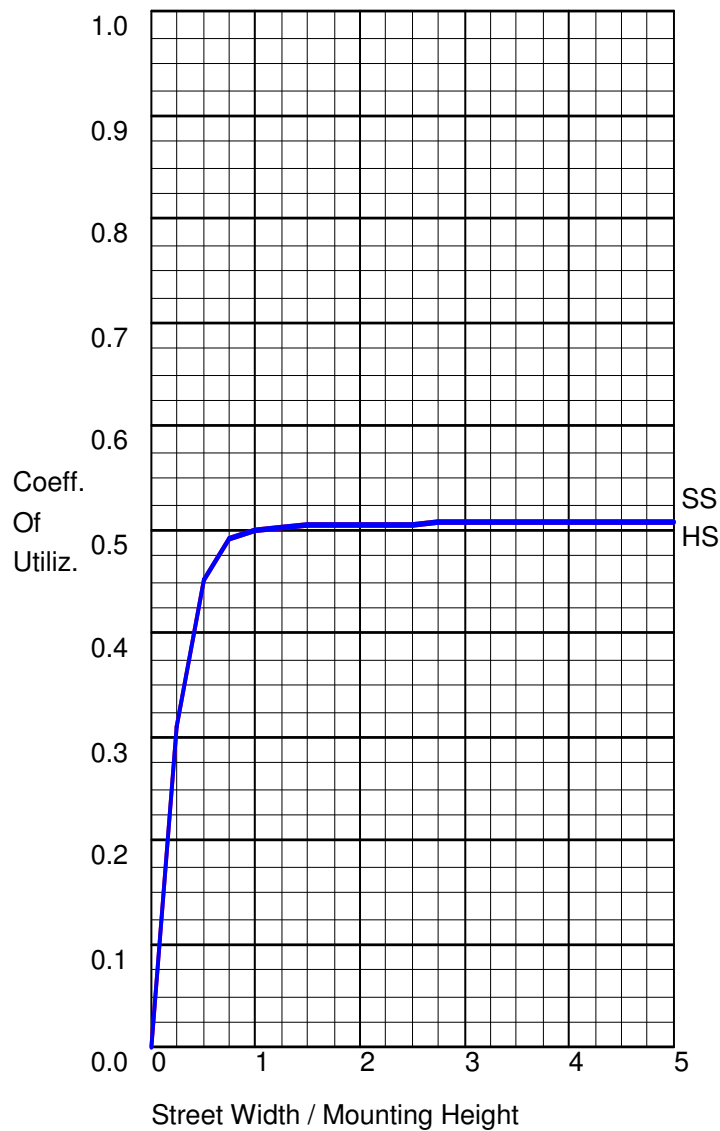
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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-L40-950-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

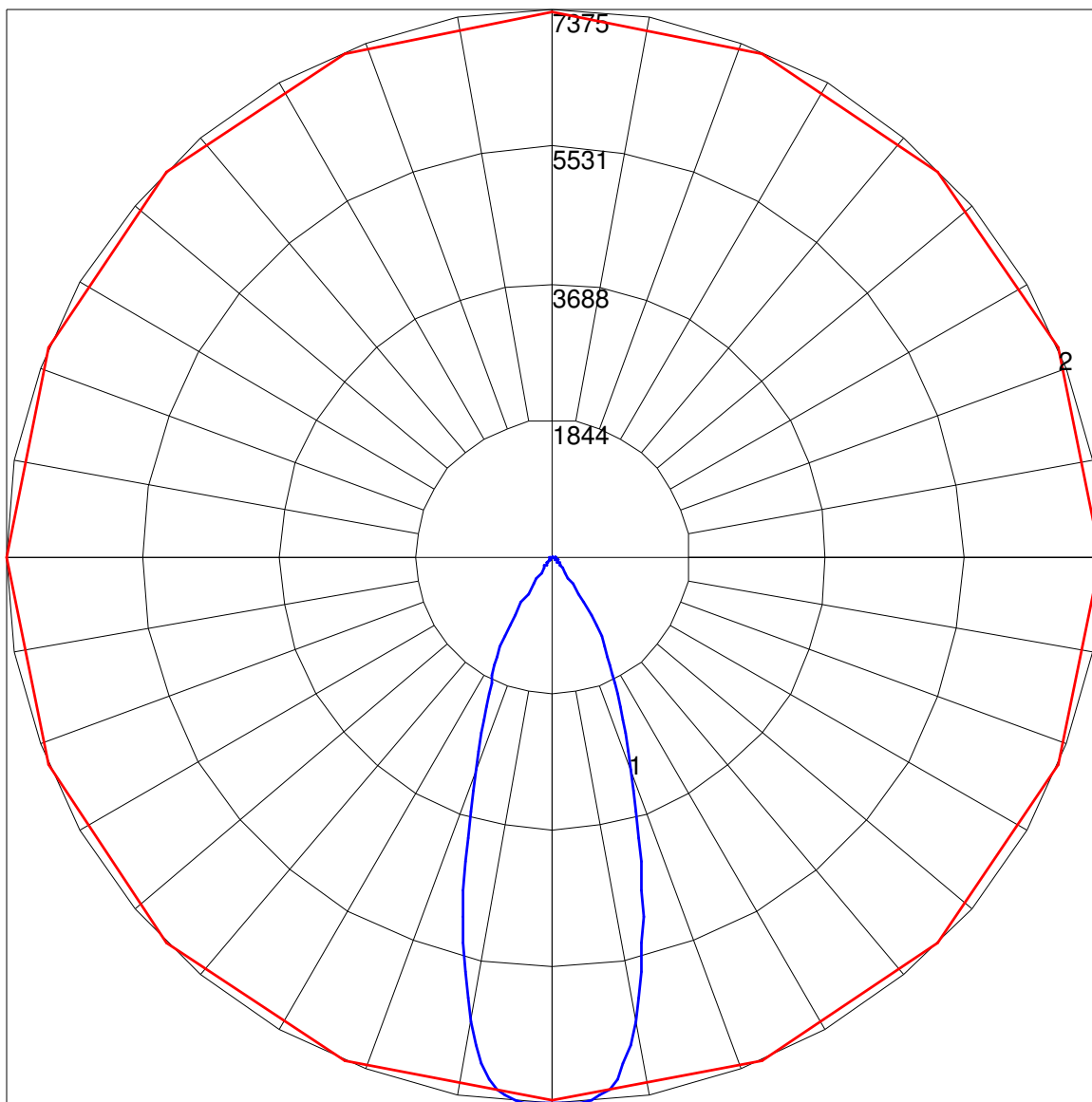
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1731.8	50.0
Downward House Side	1731.8	50.0
Downward Total	3463.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3463.8	100.0

POLAR GRAPH



Maximum Candela = 7375.101 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

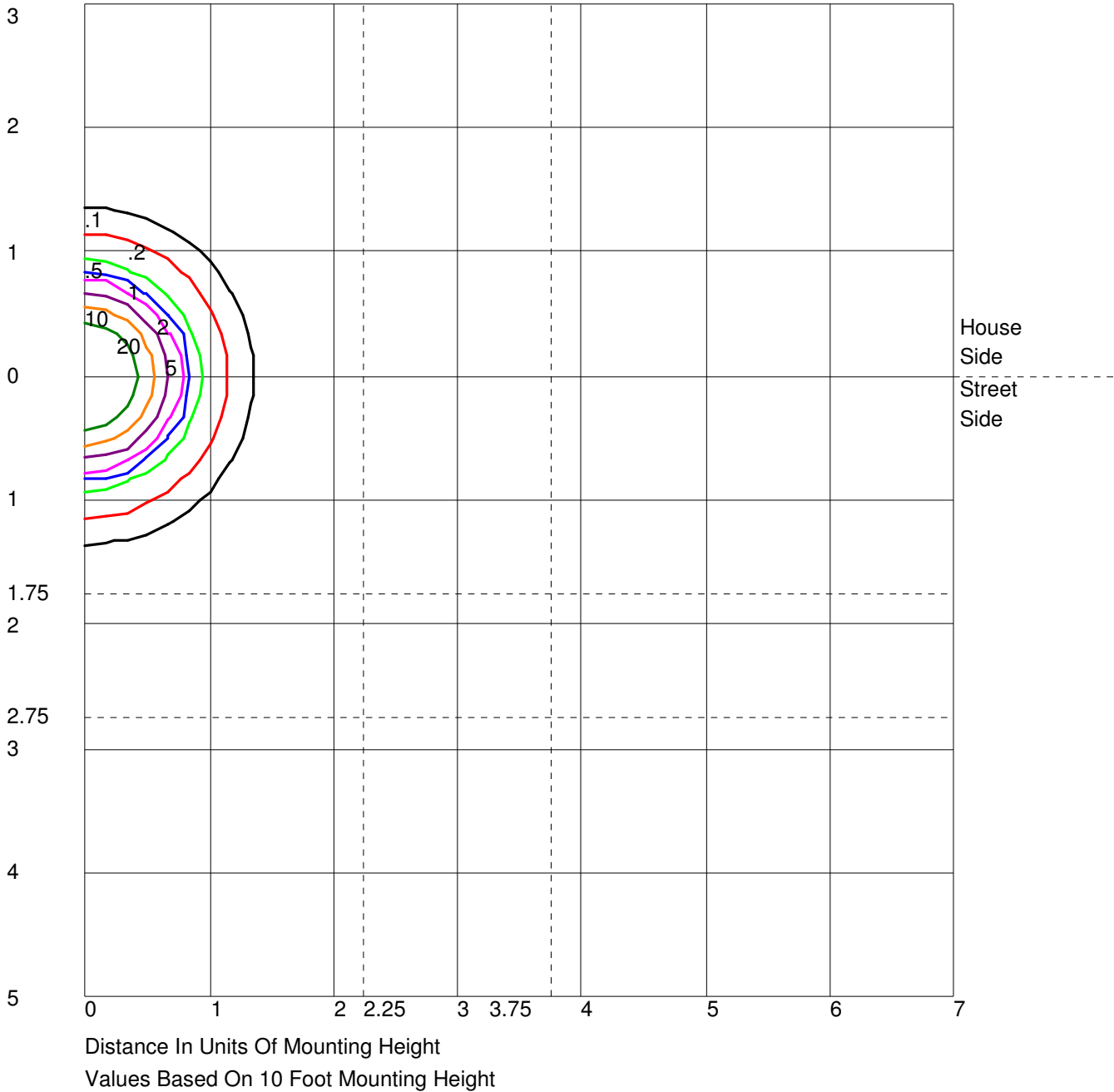


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