

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-827-XXX-DIM-UNV-N-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W6CR_Angela-M_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L30-827-xxx-DIM-UNV-N-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH NARROW DIST.
[LAMPCAT] BL V18 COB
[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	2698
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7950.148
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	7950.148
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.243 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.341 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-827-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1057.5	N.A.	39.2
FM - Front-Medium (30-60)	270.4	N.A.	10.0
FH - Front-High (60-80)	20.0	N.A.	0.7
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	1057.5	N.A.	39.2
BM - Back-Medium (30-60)	270.4	N.A.	10.0
BH - Back-High (60-80)	20.0	N.A.	0.7
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	2697.7	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	7950.148	7950.148	7950.148	7950.148	7950.148
1	7899.010	7896.792	7898.164	7898.096	7895.216
2	7759.521	7757.449	7756.486	7757.001	7754.083
3	7536.214	7531.816	7530.950	7532.468	7526.076
4	7229.244	7226.812	7222.764	7223.679	7219.719
5	6845.666	6844.167	6849.236	6849.723	6851.834
6	6412.380	6410.872	6418.451	6427.879	6436.100
7	5945.052	5947.523	5961.903	5977.645	5983.998
8	5459.676	5466.476	5485.118	5508.147	5515.609
9	4985.955	4992.026	5014.442	5043.913	5057.466
10	4535.196	4541.208	4567.127	4597.269	4614.237
11	4115.697	4120.805	4145.439	4177.128	4195.711
12	3732.605	3738.841	3762.046	3792.722	3806.042
13	3390.862	3397.478	3421.977	3454.910	3459.950
14	3090.158	3100.656	3124.989	3145.304	3154.605
15	2836.602	2837.809	2854.971	2877.553	2889.958
16	2599.548	2606.825	2630.078	2650.675	2666.894
17	2406.275	2412.073	2426.181	2446.904	2457.422
18	2241.801	2246.558	2259.021	2277.293	2285.602
19	2104.004	2107.682	2118.394	2132.044	2140.723
20	1989.111	1990.414	1998.538	2008.851	2015.934
21	1889.084	1887.916	1894.600	1902.802	1908.776
22	1804.040	1798.581	1804.341	1810.412	1816.337
23	1727.820	1719.978	1724.736	1728.803	1735.506
24	1655.521	1649.810	1651.221	1654.519	1661.602
25	1589.557	1584.196	1582.814	1584.984	1590.588
26	1524.292	1519.360	1515.303	1517.628	1521.636
27	1458.376	1451.459	1446.652	1447.129	1452.568
28	1385.280	1377.253	1368.604	1368.721	1373.916
29	1298.524	1294.087	1284.338	1284.698	1292.102
30	1207.107	1200.997	1183.542	1186.899	1193.427
31	1093.361	1087.816	1074.331	1073.951	1080.947
32	965.839	963.164	952.374	956.703	960.498
33	830.903	829.882	822.877	830.096	834.347
34	695.530	696.503	694.372	702.807	706.660
35	568.873	570.158	572.609	583.234	585.724
36	457.755	458.455	465.908	477.204	480.113
37	364.548	368.887	375.941	389.192	388.803
38	291.909	297.610	307.174	314.306	315.814
39	245.412	244.021	252.223	259.218	260.726
40	204.423	207.760	216.156	220.554	224.582
41	180.372	182.337	186.861	189.877	191.522
42	163.297	164.348	167.743	169.650	170.555
43	150.162	150.834	153.548	154.648	155.630
44	139.197	139.869	141.776	142.710	143.099
45	129.536	130.276	131.988	132.445	132.873
46	120.585	121.373	122.813	123.426	123.776
47	112.140	112.870	114.261	114.884	115.224
48	104.172	104.911	106.225	106.945	107.285
49	96.729	97.390	98.626	99.385	99.706
50	89.724	90.259	91.495	92.234	92.565
51	83.176	83.692	84.830	85.589	85.929
52	77.095	77.533	78.603	79.372	79.634

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-827-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	71.413	71.841	72.824	73.602	73.836
54	66.189	66.568	67.434	68.164	68.417
55	61.227	61.538	62.394	63.027	63.318
56	56.401	56.702	57.500	58.094	58.366
57	51.828	52.130	52.869	53.395	53.667
58	47.713	47.975	48.647	49.123	49.396
59	43.918	44.142	44.745	45.193	45.455
60	40.416	40.630	41.194	41.573	41.817
61	37.244	37.419	37.935	38.275	38.450
62	34.344	34.520	34.957	35.269	35.415
63	31.688	31.844	32.253	32.506	32.622
64	29.295	29.373	29.762	29.976	30.044
65	27.086	27.145	27.495	27.660	27.729
66	25.004	25.072	25.345	25.510	25.539
67	23.088	23.156	23.399	23.525	23.555
68	21.317	21.385	21.580	21.687	21.696
69	19.673	19.692	19.887	19.965	19.955
70	18.116	18.135	18.291	18.349	18.330
71	16.647	16.647	16.773	16.822	16.783
72	15.275	15.236	15.343	15.372	15.363
73	13.913	13.884	13.971	13.981	13.952
74	12.599	12.580	12.638	12.658	12.629
75	11.344	11.315	11.354	11.383	11.344
76	10.099	10.070	10.099	10.118	10.099
77	8.863	8.854	8.893	8.893	8.893
78	7.657	7.647	7.686	7.686	7.706
79	6.451	6.441	6.499	6.509	6.519
80	5.244	5.244	5.302	5.341	5.332
81	3.950	3.989	4.018	4.047	4.028
82	2.296	2.354	2.413	2.403	2.423
83	1.148	1.148	1.245	1.294	1.372
84	1.041	1.041	1.051	1.041	1.041
85	0.963	0.963	0.963	0.963	0.963
86	0.856	0.866	0.866	0.856	0.866
87	0.730	0.730	0.739	0.730	0.730
88	0.564	0.574	0.574	0.564	0.564
89	0.379	0.379	0.379	0.379	0.379
90	0.214	0.224	0.234	0.243	0.243
91	0.204	0.214	0.204	0.204	0.195
92	0.214	0.214	0.214	0.214	0.195
93	0.214	0.214	0.214	0.214	0.195
94	0.214	0.224	0.224	0.214	0.204
95	0.224	0.224	0.224	0.214	0.214
96	0.224	0.234	0.234	0.224	0.234
97	0.243	0.243	0.243	0.243	0.243
98	0.253	0.253	0.243	0.253	0.253
99	0.263	0.272	0.263	0.253	0.263
100	0.263	0.272	0.272	0.263	0.263
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

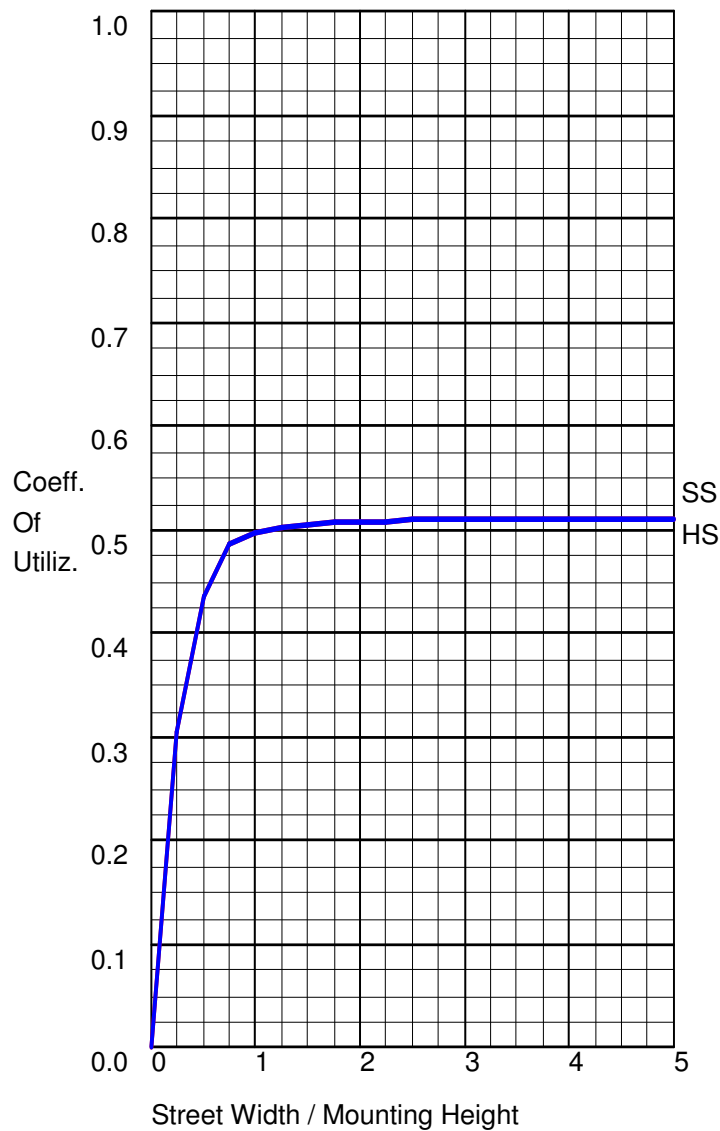
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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-L30-827-XXX-DIM-UNV-N-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

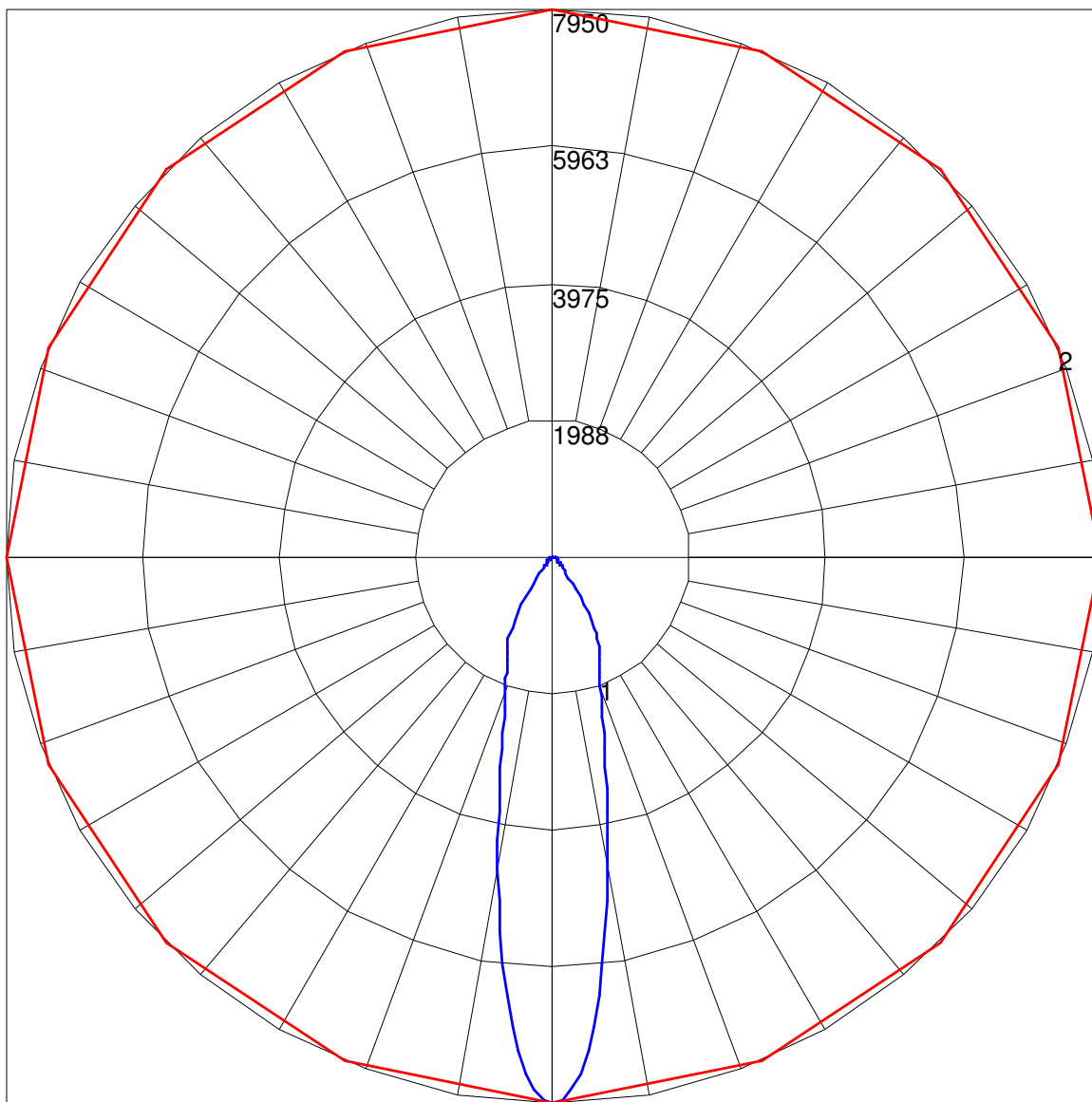
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1348.7	50.0
Downward House Side	1348.7	50.0
Downward Total	2697.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2697.6	100.0

POLAR GRAPH



Maximum Candela = 7950.148 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

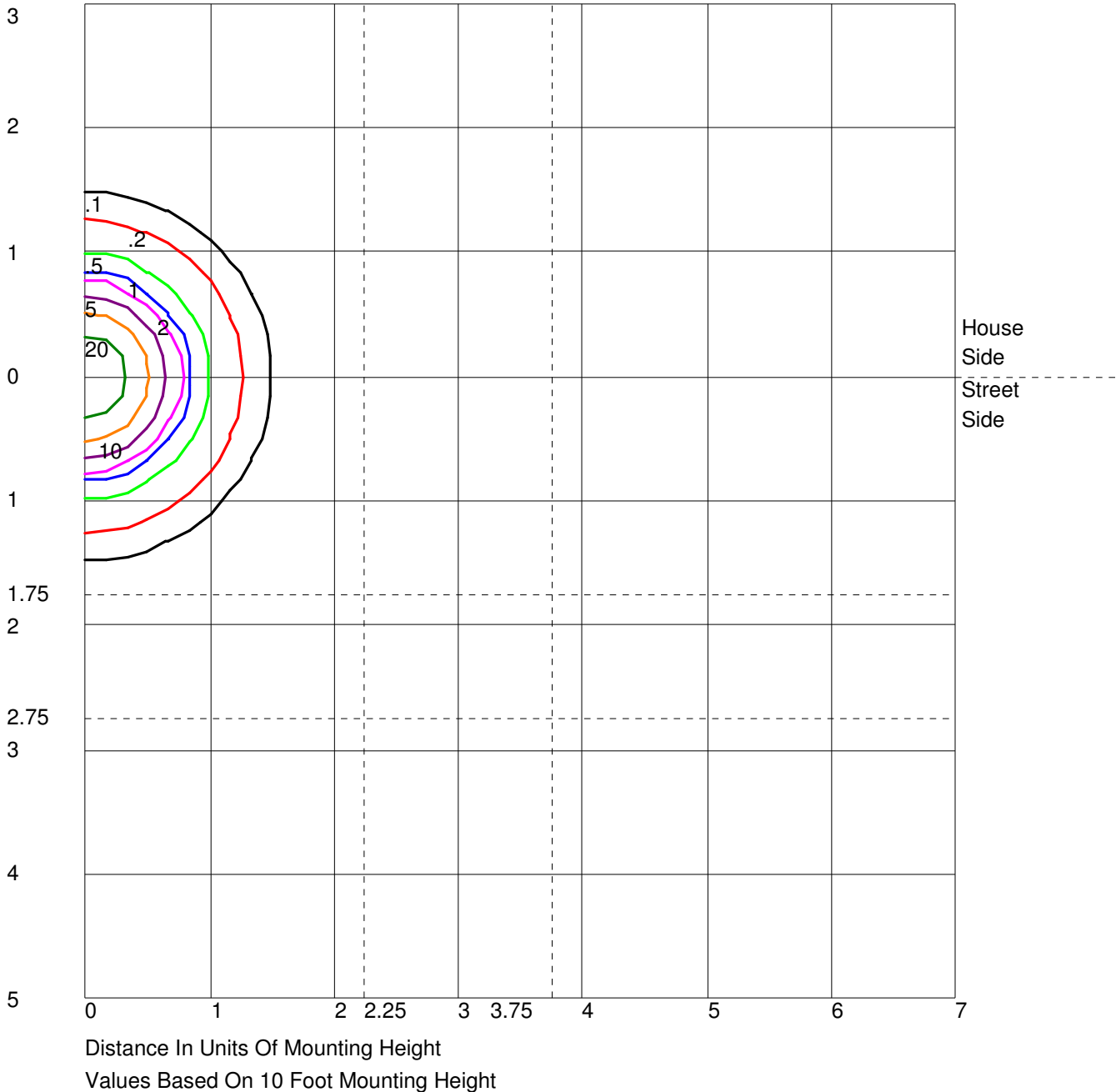


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