

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-840-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-L40-840-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	3722
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7924.313
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	7924.313
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.284 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.182 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1558.8	N.A.	41.9
FM - Front-Medium (30-60)	281.6	N.A.	7.6
FH - Front-High (60-80)	19.6	N.A.	0.5
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1558.8	N.A.	41.9
BM - Back-Medium (30-60)	281.6	N.A.	7.6
BH - Back-High (60-80)	19.6	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	3722.1	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	7906.347	7906.347	7906.347	7906.347	7906.347
1	7916.511	7916.313	7912.740	7910.192	7906.990
2	7924.313	7919.380	7909.624	7900.301	7890.817
3	7919.986	7913.989	7896.480	7879.045	7863.836
4	7906.162	7893.389	7866.915	7840.924	7825.183
5	7856.504	7840.973	7806.030	7770.666	7753.244
6	7769.826	7749.226	7701.447	7657.935	7635.752
7	7625.131	7599.906	7546.379	7502.656	7470.161
8	7422.890	7397.937	7344.199	7303.976	7262.553
9	7162.113	7143.170	7097.148	7060.584	7017.987
10	6851.394	6846.374	6807.931	6779.467	6747.331
11	6505.274	6509.169	6485.849	6465.608	6437.589
12	6141.695	6143.946	6135.637	6129.256	6102.437
13	5767.223	5769.869	5776.188	5777.177	5751.829
14	5382.797	5385.270	5406.055	5413.932	5392.281
15	4997.888	5002.896	5030.321	5045.543	5027.873
16	4619.966	4627.199	4655.527	4676.523	4663.268
17	4253.110	4269.147	4288.919	4316.666	4304.981
18	3905.655	3922.805	3941.748	3966.095	3958.973
19	3581.310	3593.230	3616.649	3638.288	3628.049
20	3290.128	3290.412	3313.621	3336.298	3329.065
21	3012.028	3012.671	3033.419	3056.356	3046.167
22	2768.042	2763.393	2785.316	2804.383	2799.066
23	2556.676	2549.282	2569.981	2584.287	2584.237
24	2370.485	2364.117	2380.624	2391.839	2392.729
25	2205.276	2201.938	2211.768	2222.761	2222.118
26	2060.829	2055.970	2059.914	2070.696	2066.146
27	1925.544	1918.298	1920.685	1927.770	1926.125
28	1792.534	1783.508	1780.701	1788.837	1799.570
29	1653.342	1647.407	1641.633	1646.022	1651.253
30	1511.492	1500.252	1489.136	1498.038	1500.944
31	1347.223	1339.656	1329.257	1334.549	1338.667
32	1172.680	1168.883	1158.410	1168.240	1169.143
33	991.125	989.777	982.976	993.375	995.725
34	811.499	812.476	809.818	820.563	822.034
35	645.760	646.539	647.627	660.746	660.869
36	501.423	504.836	507.903	522.976	521.047
37	381.508	386.133	394.331	402.825	403.060
38	297.229	291.813	301.507	313.649	311.176
39	224.016	228.072	240.300	242.143	250.118
40	183.001	184.065	189.703	194.884	197.827
41	152.843	155.774	159.669	160.880	162.142
42	133.851	134.555	137.412	139.786	138.747
43	119.928	120.534	122.351	122.648	122.314
44	109.084	109.825	110.839	110.604	109.986
45	100.057	100.886	101.492	100.935	100.354
46	92.107	92.848	93.355	92.663	92.082
47	84.725	85.479	85.912	85.244	84.514
48	78.072	78.777	79.173	78.517	77.763
49	72.112	72.694	73.040	72.409	71.618
50	66.672	67.117	67.463	66.857	66.103
51	61.788	62.196	62.455	61.899	61.194
52	57.423	57.744	57.930	57.472	56.755

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	53.553	53.763	53.936	53.540	52.835
54	50.078	50.239	50.362	49.967	49.349
55	46.876	46.962	47.098	46.702	46.183
56	43.784	43.908	43.970	43.661	43.240
57	41.002	41.089	41.126	40.854	40.520
58	38.542	38.603	38.628	38.368	38.059
59	36.328	36.353	36.341	36.106	35.846
60	34.313	34.300	34.288	34.065	33.843
61	32.470	32.421	32.396	32.186	31.976
62	30.764	30.715	30.653	30.455	30.245
63	29.194	29.107	29.045	28.835	28.625
64	27.648	27.574	27.500	27.289	27.092
65	26.189	26.127	26.028	25.830	25.633
66	24.755	24.693	24.569	24.384	24.186
67	23.370	23.308	23.184	22.986	22.813
68	22.010	21.948	21.824	21.614	21.453
69	20.649	20.600	20.476	20.279	20.093
70	19.326	19.252	19.141	18.955	18.758
71	18.003	17.904	17.806	17.632	17.447
72	16.668	16.569	16.482	16.309	16.161
73	15.333	15.246	15.159	15.011	14.838
74	13.997	13.935	13.836	13.713	13.589
75	12.699	12.649	12.550	12.439	12.328
76	11.388	11.363	11.264	11.178	11.091
77	10.115	10.090	10.016	9.954	9.880
78	8.816	8.804	8.767	8.693	8.680
79	7.518	7.506	7.481	7.456	7.444
80	6.158	6.182	6.158	6.182	6.133
81	4.662	4.711	4.674	4.674	4.624
82	2.634	2.696	2.733	2.757	2.782
83	1.187	1.212	1.373	1.471	1.583
84	1.088	1.100	1.100	1.088	1.088
85	1.002	1.002	1.002	1.002	1.002
86	0.890	0.890	0.903	0.890	0.890
87	0.754	0.754	0.754	0.767	0.754
88	0.581	0.594	0.594	0.594	0.581
89	0.396	0.408	0.408	0.408	0.408
90	0.235	0.247	0.272	0.284	0.284
91	0.235	0.247	0.247	0.247	0.235
92	0.235	0.235	0.247	0.247	0.247
93	0.235	0.247	0.247	0.247	0.247
94	0.235	0.247	0.247	0.247	0.247
95	0.247	0.247	0.247	0.260	0.247
96	0.247	0.247	0.260	0.260	0.247
97	0.247	0.260	0.260	0.260	0.247
98	0.247	0.272	0.272	0.260	0.260
99	0.260	0.272	0.272	0.272	0.260
100	0.260	0.272	0.272	0.272	0.260
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

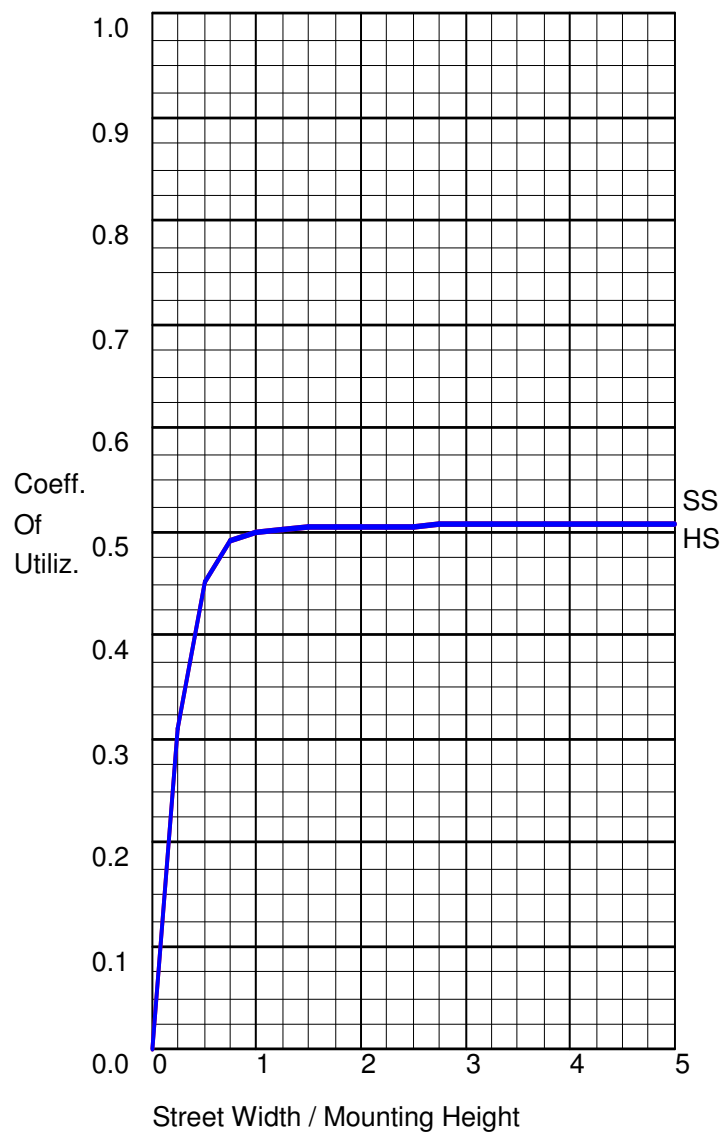
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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-L40-840-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

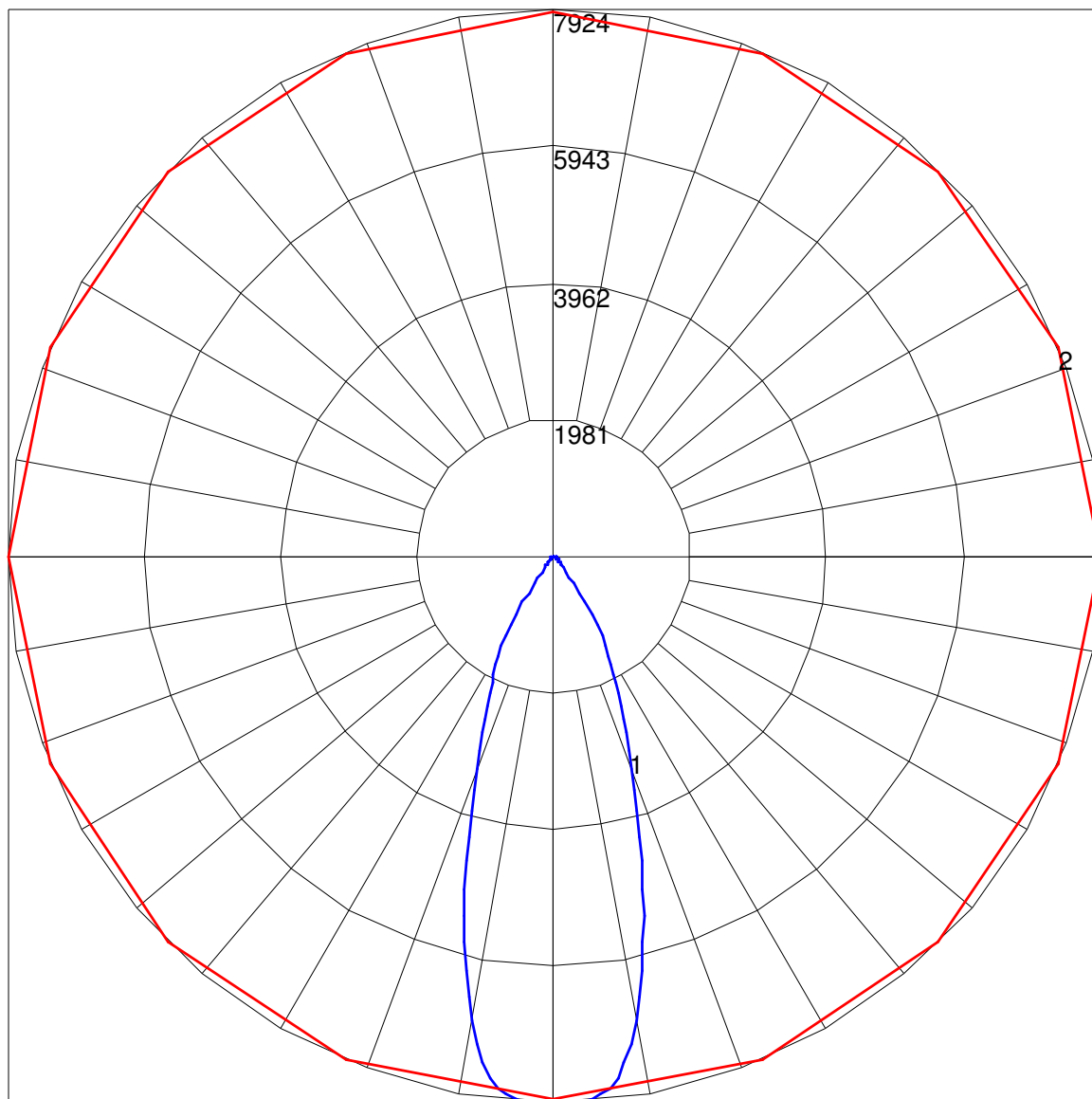
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1860.8	50.0
Downward House Side	1860.8	50.0
Downward Total	3721.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3721.8	100.0

POLAR GRAPH



Maximum Candela = 7924.313 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

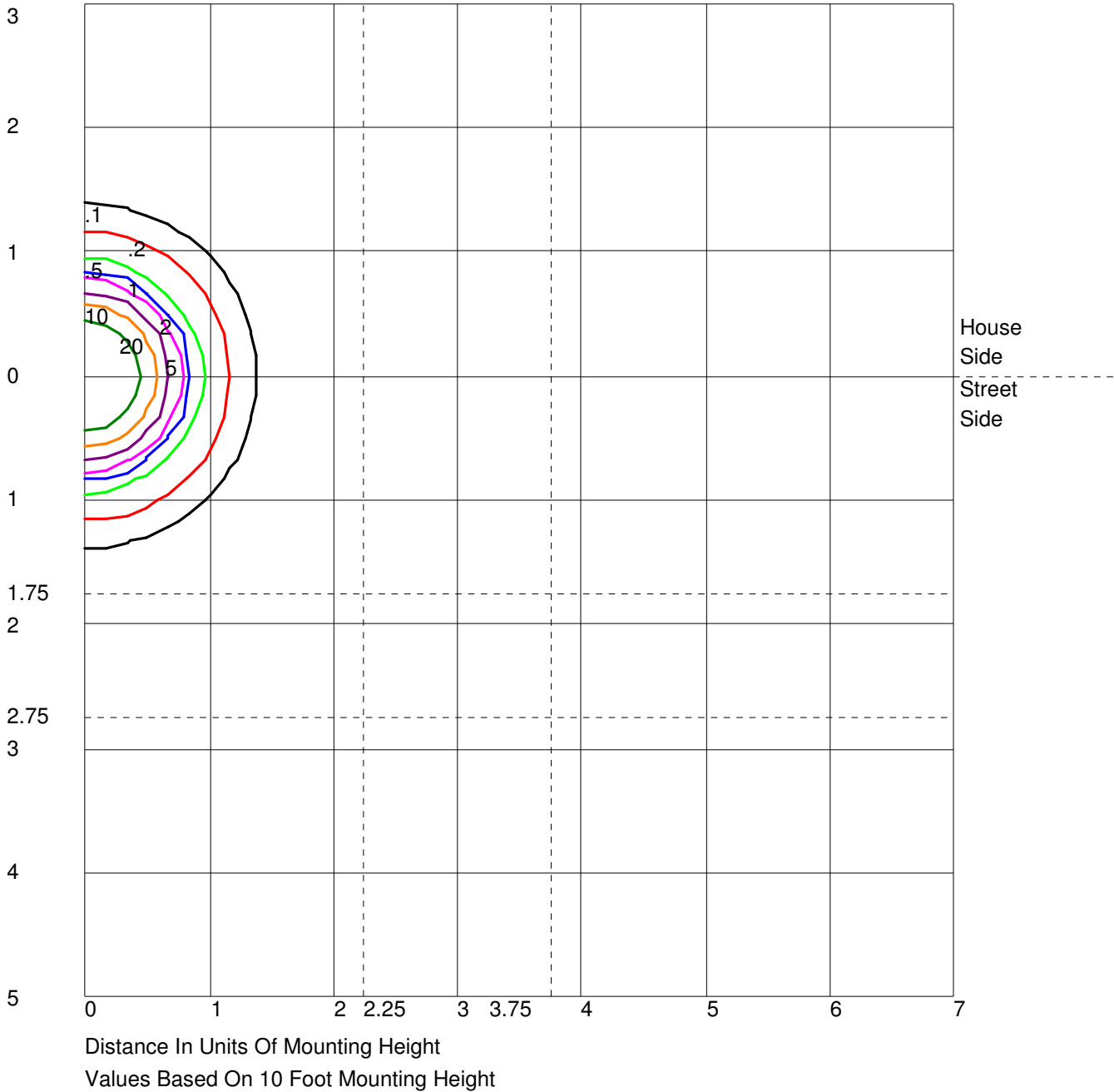


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