

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-940-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-L40-940-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	3575
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7610.48
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	7610.48
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.273 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.938 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-940-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1497.0	N.A.	41.9
FM - Front-Medium (30-60)	270.4	N.A.	7.6
FH - Front-High (60-80)	18.8	N.A.	0.5
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1497.0	N.A.	41.9
BM - Back-Medium (30-60)	270.4	N.A.	7.6
BH - Back-High (60-80)	18.8	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	3574.5	N.A.	100.0
BUG Rating	B3-U1-G0		

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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	7593.225	7593.225	7593.225	7593.225	7593.225
1	7602.987	7602.797	7599.365	7596.918	7593.843
2	7610.480	7605.742	7596.372	7587.418	7578.310
3	7606.323	7600.564	7583.749	7567.005	7552.398
4	7593.047	7580.780	7555.355	7530.393	7515.276
5	7545.356	7530.441	7496.881	7462.918	7446.186
6	7462.110	7442.326	7396.440	7354.651	7333.347
7	7323.146	7298.921	7247.513	7205.522	7174.314
8	7128.915	7104.950	7053.341	7014.710	6974.928
9	6878.466	6860.273	6816.073	6780.958	6740.048
10	6580.052	6575.231	6538.311	6510.974	6480.110
11	6247.640	6251.381	6228.984	6209.545	6182.635
12	5898.461	5900.622	5892.642	5886.514	5860.757
13	5538.819	5541.360	5547.428	5548.378	5524.034
14	5169.617	5171.992	5191.954	5199.519	5178.725
15	4799.952	4804.762	4831.101	4845.720	4828.750
16	4436.997	4443.944	4471.151	4491.315	4478.584
17	4084.670	4100.073	4119.061	4145.709	4134.487
18	3750.976	3767.447	3785.640	3809.022	3802.182
19	3439.476	3450.924	3473.416	3494.197	3484.365
20	3159.826	3160.099	3182.389	3204.168	3197.221
21	2892.740	2893.357	2913.284	2935.313	2925.527
22	2658.417	2653.952	2675.007	2693.319	2688.212
23	2455.422	2448.320	2468.200	2481.939	2481.892
24	2276.604	2270.488	2286.342	2297.113	2297.968
25	2117.939	2114.733	2124.174	2134.731	2134.113
26	1979.212	1974.545	1978.334	1988.689	1984.319
27	1849.285	1842.326	1844.618	1851.423	1849.843
28	1721.543	1712.874	1710.179	1717.992	1728.300
29	1587.863	1582.163	1576.618	1580.833	1585.857
30	1451.631	1440.836	1430.160	1438.710	1441.501
31	1293.868	1286.600	1276.613	1281.696	1285.650
32	1126.237	1122.591	1112.533	1121.974	1122.841
33	951.873	950.578	944.047	954.034	956.290
34	779.361	780.299	777.746	788.065	789.479
35	620.185	620.933	621.978	634.578	634.697
36	481.565	484.843	487.788	502.264	500.411
37	366.399	370.840	378.714	386.872	387.098
38	285.457	280.256	289.566	301.228	298.853
39	215.144	219.039	230.784	232.553	240.213
40	175.754	176.775	182.190	187.166	189.992
41	146.790	149.604	153.345	154.509	155.720
42	128.550	129.226	131.970	134.250	133.252
43	115.178	115.760	117.506	117.791	117.470
44	104.763	105.476	106.450	106.224	105.630
45	96.095	96.890	97.472	96.938	96.380
46	88.459	89.171	89.658	88.993	88.435
47	81.369	82.094	82.509	81.868	81.167
48	74.980	75.657	76.037	75.408	74.683
49	69.256	69.815	70.147	69.541	68.781
50	64.031	64.459	64.791	64.209	63.485
51	59.341	59.733	59.982	59.448	58.771
52	55.149	55.457	55.636	55.196	54.507

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53	51.432	51.634	51.800	51.420	50.743
54	48.095	48.249	48.368	47.988	47.394
55	45.019	45.102	45.233	44.853	44.354
56	42.050	42.169	42.228	41.932	41.528
57	39.378	39.461	39.497	39.236	38.915
58	37.015	37.075	37.098	36.849	36.552
59	34.889	34.913	34.901	34.676	34.426
60	32.954	32.942	32.930	32.716	32.503
61	31.184	31.137	31.113	30.911	30.709
62	29.546	29.498	29.439	29.249	29.047
63	28.037	27.954	27.895	27.693	27.491
64	26.553	26.482	26.411	26.209	26.019
65	25.152	25.092	24.997	24.807	24.617
66	23.774	23.715	23.596	23.418	23.228
67	22.444	22.385	22.266	22.076	21.910
68	21.138	21.079	20.960	20.758	20.604
69	19.832	19.784	19.665	19.475	19.297
70	18.561	18.490	18.383	18.205	18.015
71	17.290	17.195	17.100	16.934	16.756
72	16.008	15.913	15.830	15.663	15.521
73	14.725	14.642	14.559	14.417	14.250
74	13.443	13.383	13.288	13.170	13.051
75	12.196	12.148	12.053	11.947	11.840
76	10.937	10.913	10.818	10.735	10.652
77	9.714	9.690	9.619	9.560	9.488
78	8.467	8.455	8.420	8.348	8.336
79	7.220	7.208	7.185	7.161	7.149
80	5.914	5.938	5.914	5.938	5.890
81	4.477	4.524	4.489	4.489	4.441
82	2.529	2.589	2.624	2.648	2.672
83	1.140	1.164	1.318	1.413	1.520
84	1.045	1.057	1.057	1.045	1.045
85	0.962	0.962	0.962	0.962	0.962
86	0.855	0.855	0.867	0.855	0.855
87	0.724	0.724	0.724	0.736	0.724
88	0.558	0.570	0.570	0.570	0.558
89	0.380	0.392	0.392	0.392	0.392
90	0.226	0.238	0.261	0.273	0.273
91	0.226	0.238	0.238	0.238	0.226
92	0.226	0.226	0.238	0.238	0.238
93	0.226	0.238	0.238	0.238	0.238
94	0.226	0.238	0.238	0.238	0.238
95	0.238	0.238	0.238	0.249	0.238
96	0.238	0.238	0.249	0.249	0.238
97	0.238	0.249	0.249	0.249	0.238
98	0.238	0.261	0.261	0.249	0.249
99	0.249	0.261	0.261	0.261	0.249
100	0.249	0.261	0.261	0.261	0.249
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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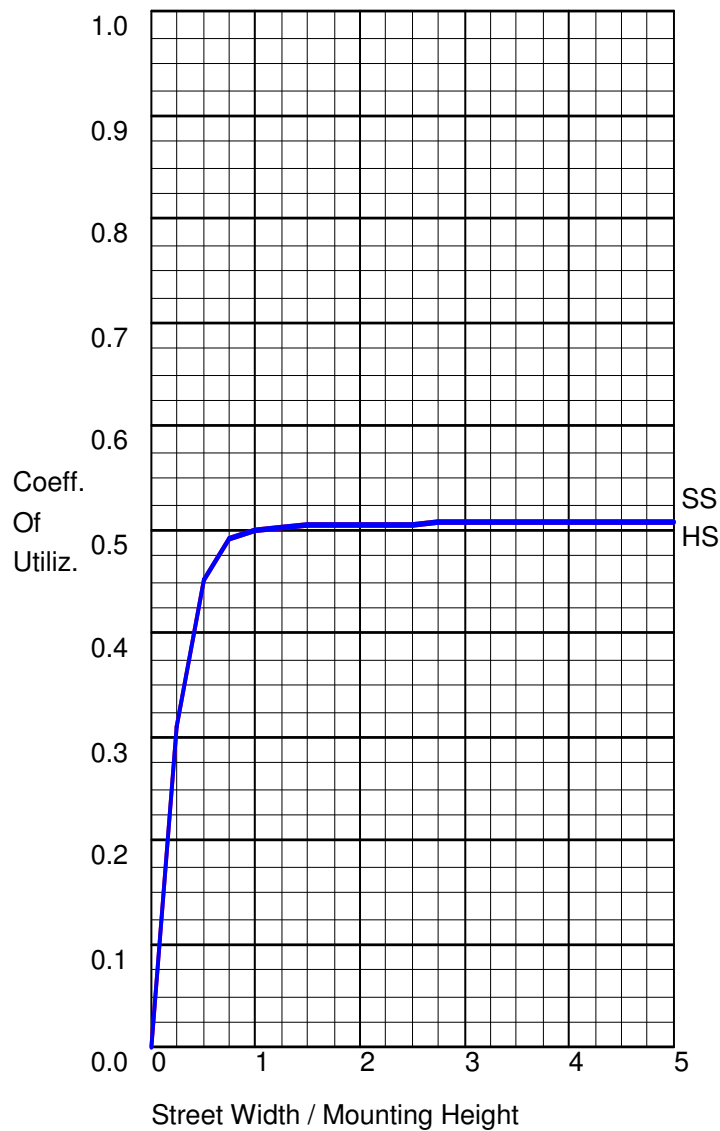
CANDELA TABULATION - (Cont.)

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

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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

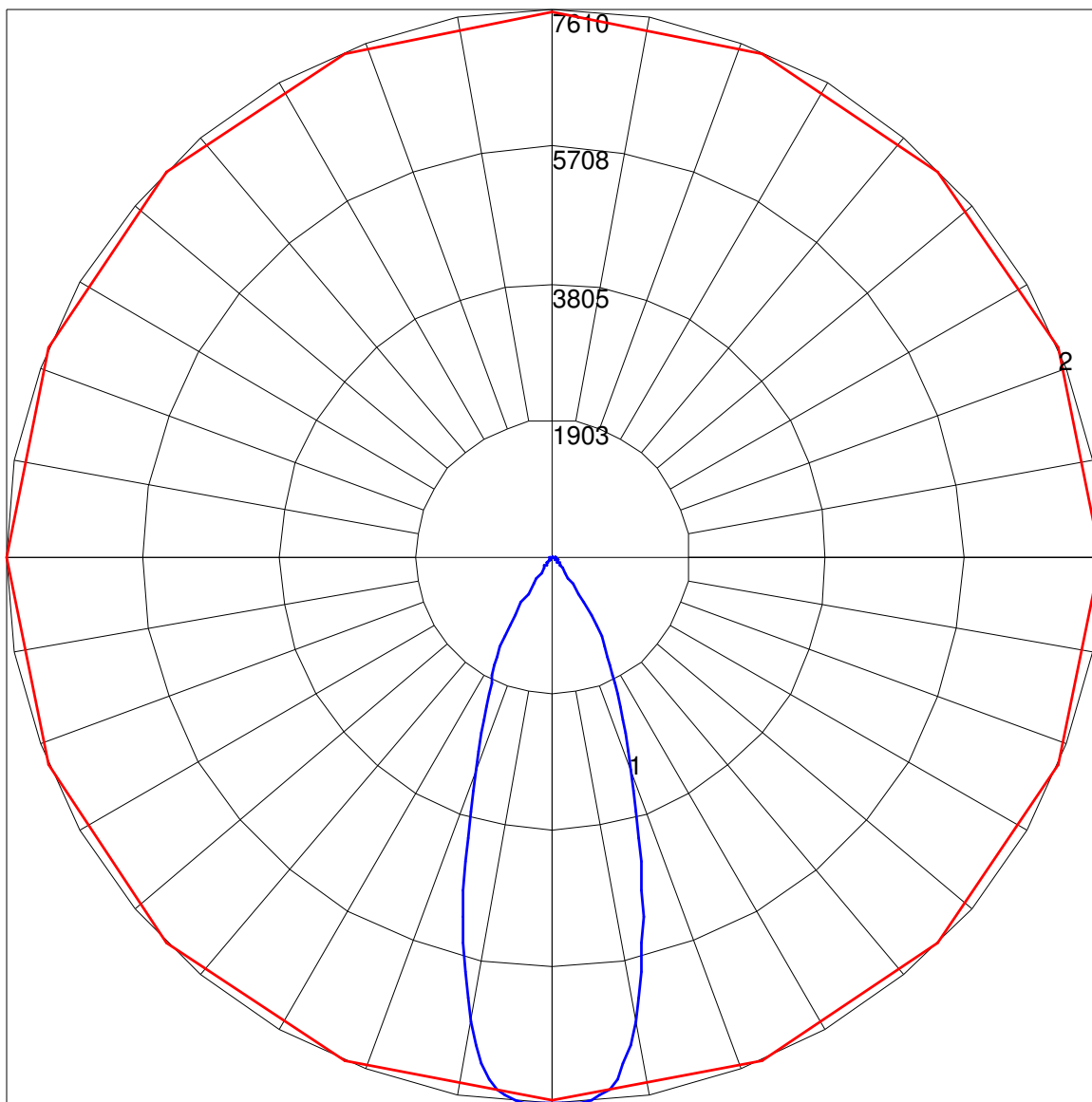
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1787.1	50.0
Downward House Side	1787.1	50.0
Downward Total	3574.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3574.4	100.0

POLAR GRAPH



Maximum Candela = 7610.48 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

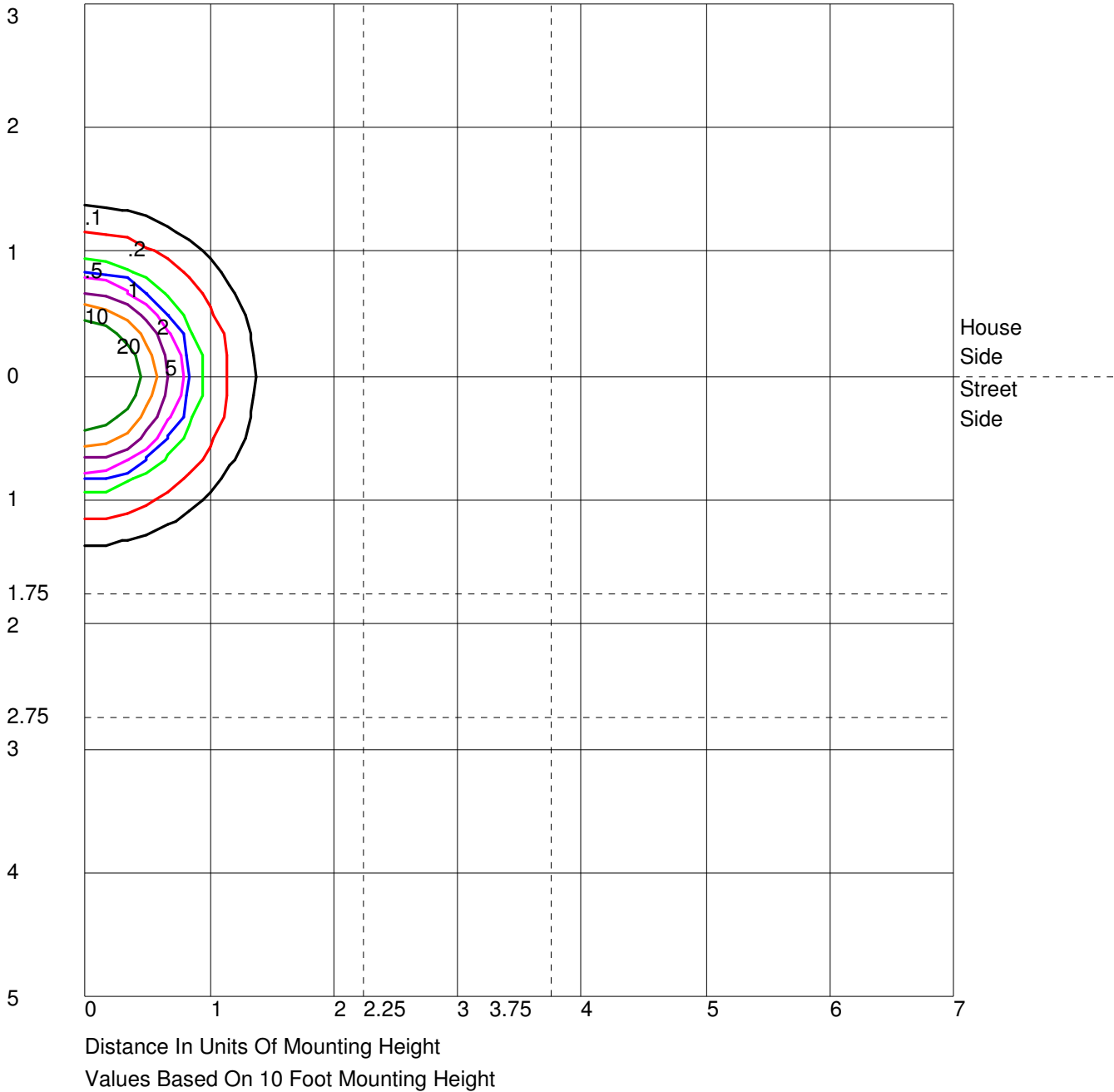


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