

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-S-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W6CR_Angela-S_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L30-927-xxx-DIM-UNV-S-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH SPOT DISTRIBUTION
[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	2866
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	28440.399
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	28440.399
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.202 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.648 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1266.8	N.A.	44.2
FM - Front-Medium (30-60)	151.5	N.A.	5.3
FH - Front-High (60-80)	13.9	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1266.8	N.A.	44.2
BM - Back-Medium (30-60)	151.5	N.A.	5.3
BH - Back-High (60-80)	13.9	N.A.	0.5
BVH - Back-Very High (80-90)	0.7	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2866.0	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	28440.399	28440.399	28440.399	28440.399	28440.399
1	27951.199	27962.290	27963.440	27966.754	27969.680
2	26769.543	26709.111	26804.297	26744.168	26797.624
3	24840.429	24820.834	24838.671	24977.795	24940.548
4	22113.733	22363.606	22415.056	22411.402	22463.569
5	19252.201	19285.905	19357.989	19576.027	19589.824
6	15994.962	16052.817	16336.293	16476.053	16640.064
7	12959.386	12891.794	13160.452	13475.995	13502.410
8	9968.919	10108.586	10397.199	10613.534	10710.127
9	7600.130	7733.272	7957.173	8200.926	8317.915
10	5769.506	5821.443	6087.782	6297.895	6402.561
11	4388.486	4444.942	4656.105	4863.614	4913.931
12	3402.503	3478.508	3640.089	3752.090	3811.722
13	2783.944	2774.307	2872.631	2979.865	3032.216
14	2239.043	2259.567	2353.915	2459.262	2475.709
15	1900.454	1912.032	2007.227	2046.739	2120.102
16	1662.361	1669.549	1723.971	1773.202	1797.647
17	1493.480	1498.119	1539.315	1578.864	1599.260
18	1373.850	1377.356	1409.027	1441.525	1456.859
19	1292.258	1295.479	1320.873	1344.057	1361.526
20	1241.849	1239.152	1257.808	1275.921	1288.751
21	1201.444	1201.619	1213.207	1226.607	1238.158
22	1175.517	1172.959	1182.669	1190.372	1202.401
23	1154.146	1149.286	1156.879	1163.285	1174.477
24	1132.581	1127.685	1132.250	1136.401	1147.970
25	1109.038	1105.375	1106.213	1110.152	1120.258
26	1081.841	1077.773	1076.935	1080.534	1088.983
27	1050.033	1043.848	1041.657	1043.857	1053.751
28	1007.879	1000.848	995.914	997.930	1008.616
29	952.924	946.812	936.513	939.817	949.509
30	881.815	876.339	863.619	867.163	875.400
31	792.879	788.397	776.119	780.058	788.157
32	689.318	687.118	676.782	682.967	689.907
33	576.829	576.516	569.549	577.427	584.422
34	462.601	464.276	461.542	470.415	476.020
35	355.901	359.537	359.003	371.870	372.974
36	262.989	265.134	271.631	279.804	283.652
37	190.445	186.819	199.161	207.297	216.363
38	131.292	130.068	138.489	146.865	149.368
39	88.209	94.468	100.469	104.804	106.773
40	64.344	67.445	72.038	78.287	77.938
41	51.210	52.673	55.830	58.288	59.567
42	44.132	44.528	46.553	47.878	48.587
43	40.313	40.368	41.481	42.034	42.439
44	38.177	38.260	38.693	38.803	39.042
45	36.935	37.027	37.091	37.027	37.202
46	36.106	36.162	36.042	35.913	36.060
47	35.453	35.444	35.232	35.094	35.149
48	34.938	34.855	34.560	34.450	34.431
49	34.523	34.367	34.017	33.852	33.796
50	34.201	33.962	33.548	33.345	33.235
51	33.953	33.658	33.134	32.913	32.765
52	33.796	33.410	32.812	32.545	32.361

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

53	33.677	33.216	32.535	32.213	32.057
54	33.529	33.014	32.222	31.845	31.661
55	33.032	32.489	31.679	31.247	31.146
56	32.167	31.643	30.787	30.363	30.409
57	31.054	30.621	29.710	29.332	29.507
58	29.802	29.443	28.523	28.200	28.458
59	28.348	28.062	27.188	26.921	27.271
60	26.774	26.516	25.761	25.559	25.927
61	25.126	24.878	24.270	24.123	24.454
62	23.451	23.221	22.761	22.660	22.936
63	21.804	21.601	21.279	21.187	21.390
64	20.193	19.991	19.834	19.751	19.908
65	18.721	18.518	18.472	18.389	18.527
66	17.312	17.147	17.147	17.091	17.202
67	16.024	15.913	15.941	15.895	15.987
68	14.883	14.800	14.846	14.790	14.873
69	13.833	13.778	13.815	13.778	13.833
70	12.867	12.848	12.867	12.830	12.867
71	11.974	11.974	11.983	11.937	11.956
72	11.164	11.137	11.146	11.100	11.100
73	10.373	10.336	10.327	10.281	10.281
74	9.600	9.544	9.544	9.489	9.498
75	8.817	8.762	8.753	8.688	8.716
76	8.017	7.970	7.970	7.906	7.943
77	7.216	7.188	7.179	7.133	7.170
78	6.406	6.360	6.360	6.323	6.369
79	5.541	5.504	5.522	5.495	5.559
80	4.602	4.593	4.602	4.620	4.648
81	3.534	3.553	3.543	3.553	3.553
82	2.016	2.071	2.126	2.108	2.154
83	0.957	0.966	1.077	1.123	1.187
84	0.874	0.874	0.874	0.865	0.865
85	0.810	0.801	0.801	0.792	0.801
86	0.727	0.718	0.718	0.718	0.718
87	0.617	0.617	0.617	0.607	0.607
88	0.488	0.488	0.488	0.479	0.469
89	0.331	0.331	0.322	0.322	0.313
90	0.184	0.193	0.202	0.202	0.202
91	0.184	0.184	0.175	0.166	0.166
92	0.184	0.184	0.175	0.175	0.166
93	0.193	0.193	0.175	0.175	0.166
94	0.202	0.193	0.184	0.175	0.175
95	0.202	0.193	0.184	0.184	0.175
96	0.212	0.193	0.193	0.184	0.184
97	0.212	0.193	0.202	0.193	0.193
98	0.212	0.202	0.202	0.193	0.193
99	0.212	0.202	0.202	0.193	0.202
100	0.212	0.212	0.212	0.202	0.202
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

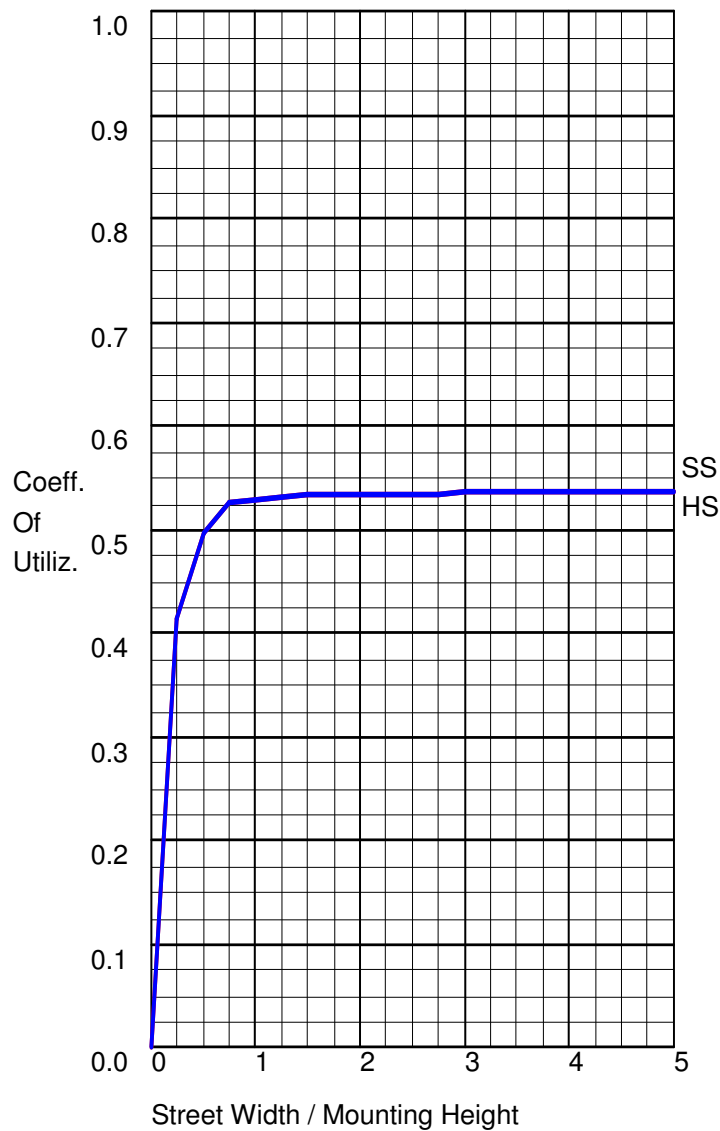
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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-L30-927-XXX-DIM-UNV-S-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

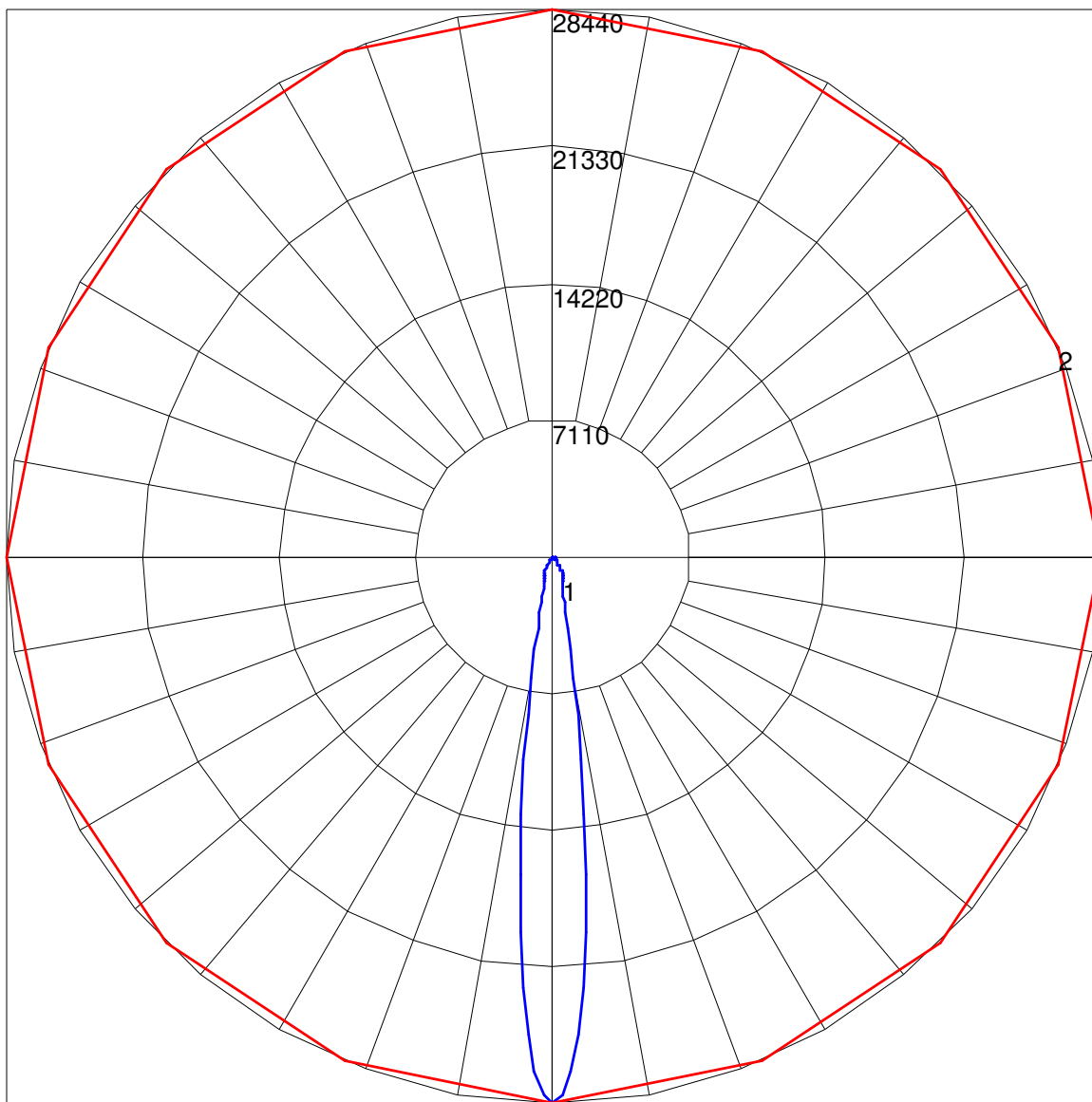
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1432.9	50.0
Downward House Side	1432.9	50.0
Downward Total	2865.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2866.0	100.0

POLAR GRAPH



Maximum Candela = 28440.399 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

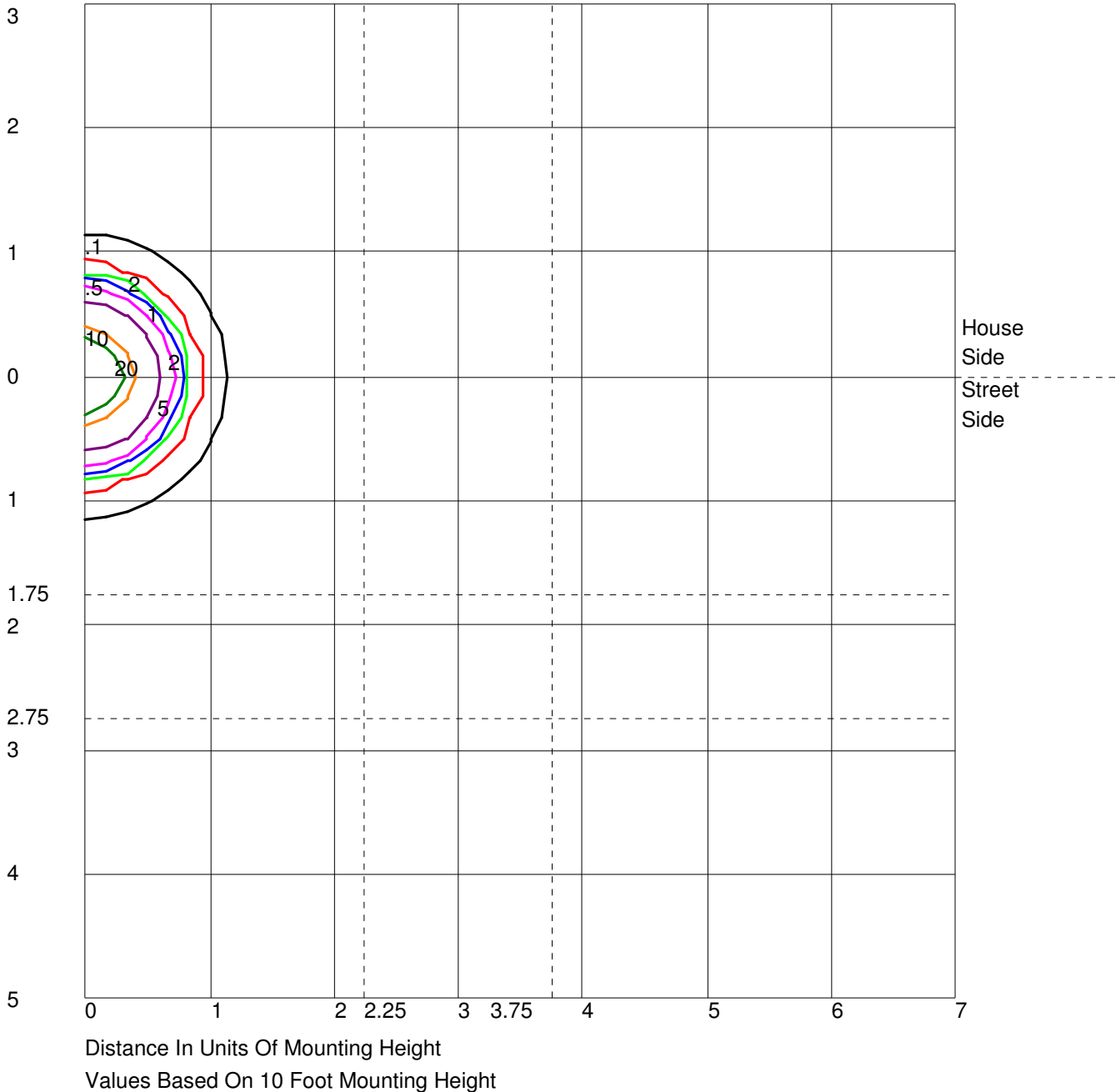


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