

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-927-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-L30-927-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	2610
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5556.143
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	5556.143
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.199 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.335 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1092.9	N.A.	41.9
FM - Front-Medium (30-60)	197.4	N.A.	7.6
FH - Front-High (60-80)	13.7	N.A.	0.5
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	1092.9	N.A.	41.9
BM - Back-Medium (30-60)	197.4	N.A.	7.6
BH - Back-High (60-80)	13.7	N.A.	0.5
BVH - Back-Very High (80-90)	0.6	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	2609.4	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-M-XXX_.IES****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	5543.546	5543.546	5543.546	5543.546	5543.546
1	5550.672	5550.533	5548.028	5546.242	5543.996
2	5556.143	5552.684	5545.843	5539.306	5532.657
3	5553.108	5548.904	5536.627	5524.403	5513.739
4	5543.416	5534.460	5515.898	5497.674	5486.638
5	5508.598	5497.709	5473.208	5448.413	5436.197
6	5447.824	5433.380	5399.880	5369.371	5353.818
7	5346.371	5328.684	5291.153	5260.497	5237.713
8	5204.569	5187.074	5149.395	5121.193	5092.149
9	5021.725	5008.443	4976.174	4950.538	4920.671
10	4803.864	4800.344	4773.390	4753.432	4730.900
11	4561.182	4563.913	4547.562	4533.369	4513.724
12	4306.258	4307.836	4302.010	4297.536	4278.732
13	4043.696	4045.551	4049.982	4050.675	4032.902
14	3774.155	3775.889	3790.463	3795.985	3780.805
15	3504.276	3507.787	3527.017	3537.689	3525.300
16	3239.295	3244.367	3264.229	3278.950	3269.656
17	2982.074	2993.318	3007.181	3026.636	3018.443
18	2738.455	2750.480	2763.762	2780.833	2775.839
19	2511.040	2519.398	2535.818	2550.990	2543.812
20	2306.877	2307.077	2323.350	2339.250	2334.178
21	2111.887	2112.338	2126.886	2142.968	2135.824
22	1940.817	1937.557	1952.928	1966.297	1962.569
23	1792.617	1787.432	1801.945	1811.976	1811.942
24	1662.068	1657.604	1669.178	1677.041	1677.665
25	1546.233	1543.892	1550.784	1558.492	1558.041
26	1444.953	1441.546	1444.312	1451.872	1448.681
27	1350.098	1345.017	1346.691	1351.658	1350.505
28	1256.838	1250.509	1248.541	1254.246	1261.771
29	1159.243	1155.082	1151.033	1154.111	1157.778
30	1059.784	1051.904	1044.109	1050.352	1052.389
31	944.607	939.301	932.010	935.721	938.608
32	822.226	819.564	812.221	819.113	819.746
33	694.929	693.984	689.215	696.506	698.154
34	568.984	569.669	567.805	575.339	576.370
35	452.775	453.321	454.084	463.283	463.370
36	351.574	353.967	356.117	366.685	365.333
37	267.495	270.737	276.485	282.442	282.606
38	208.402	204.605	211.402	219.916	218.182
39	157.069	159.913	168.487	169.779	175.371
40	128.312	129.057	133.011	136.643	138.707
41	107.166	109.221	111.952	112.801	113.686
42	93.850	94.344	96.346	98.011	97.283
43	84.087	84.512	85.787	85.995	85.761
44	76.484	77.004	77.715	77.550	77.117
45	70.155	70.736	71.161	70.771	70.363
46	64.581	65.101	65.456	64.971	64.563
47	59.405	59.934	60.237	59.769	59.257
48	54.740	55.235	55.512	55.053	54.524
49	50.562	50.969	51.212	50.770	50.215
50	46.747	47.059	47.302	46.877	46.348
51	43.322	43.609	43.791	43.401	42.906
52	40.262	40.488	40.618	40.297	39.794

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

53	37.548	37.696	37.817	37.540	37.046
54	35.112	35.225	35.312	35.034	34.601
55	32.867	32.928	33.023	32.745	32.381
56	30.699	30.786	30.829	30.613	30.318
57	28.749	28.809	28.835	28.645	28.411
58	27.023	27.067	27.084	26.902	26.685
59	25.472	25.489	25.480	25.316	25.133
60	24.058	24.050	24.041	23.885	23.729
61	22.767	22.732	22.715	22.567	22.420
62	21.570	21.536	21.492	21.353	21.206
63	20.469	20.408	20.365	20.218	20.070
64	19.385	19.333	19.281	19.134	18.995
65	18.362	18.319	18.250	18.111	17.972
66	17.357	17.313	17.227	17.097	16.958
67	16.386	16.342	16.256	16.117	15.996
68	15.432	15.389	15.302	15.155	15.042
69	14.478	14.444	14.357	14.218	14.088
70	13.551	13.499	13.421	13.291	13.152
71	12.623	12.554	12.484	12.363	12.233
72	11.687	11.617	11.557	11.435	11.331
73	10.750	10.690	10.629	10.525	10.404
74	9.814	9.771	9.701	9.615	9.528
75	8.904	8.869	8.800	8.722	8.644
76	7.985	7.967	7.898	7.837	7.777
77	7.092	7.074	7.022	6.979	6.927
78	6.181	6.173	6.147	6.095	6.086
79	5.271	5.263	5.245	5.228	5.219
80	4.318	4.335	4.318	4.335	4.300
81	3.268	3.303	3.277	3.277	3.242
82	1.847	1.890	1.916	1.933	1.951
83	0.832	0.850	0.962	1.032	1.110
84	0.763	0.772	0.772	0.763	0.763
85	0.702	0.702	0.702	0.702	0.702
86	0.624	0.624	0.633	0.624	0.624
87	0.529	0.529	0.529	0.538	0.529
88	0.407	0.416	0.416	0.416	0.407
89	0.277	0.286	0.286	0.286	0.286
90	0.165	0.173	0.191	0.199	0.199
91	0.165	0.173	0.173	0.173	0.165
92	0.165	0.165	0.173	0.173	0.173
93	0.165	0.173	0.173	0.173	0.173
94	0.165	0.173	0.173	0.173	0.173
95	0.173	0.173	0.173	0.182	0.173
96	0.173	0.173	0.182	0.182	0.173
97	0.173	0.182	0.182	0.182	0.173
98	0.173	0.191	0.191	0.182	0.182
99	0.182	0.191	0.191	0.191	0.182
100	0.182	0.191	0.191	0.191	0.182
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

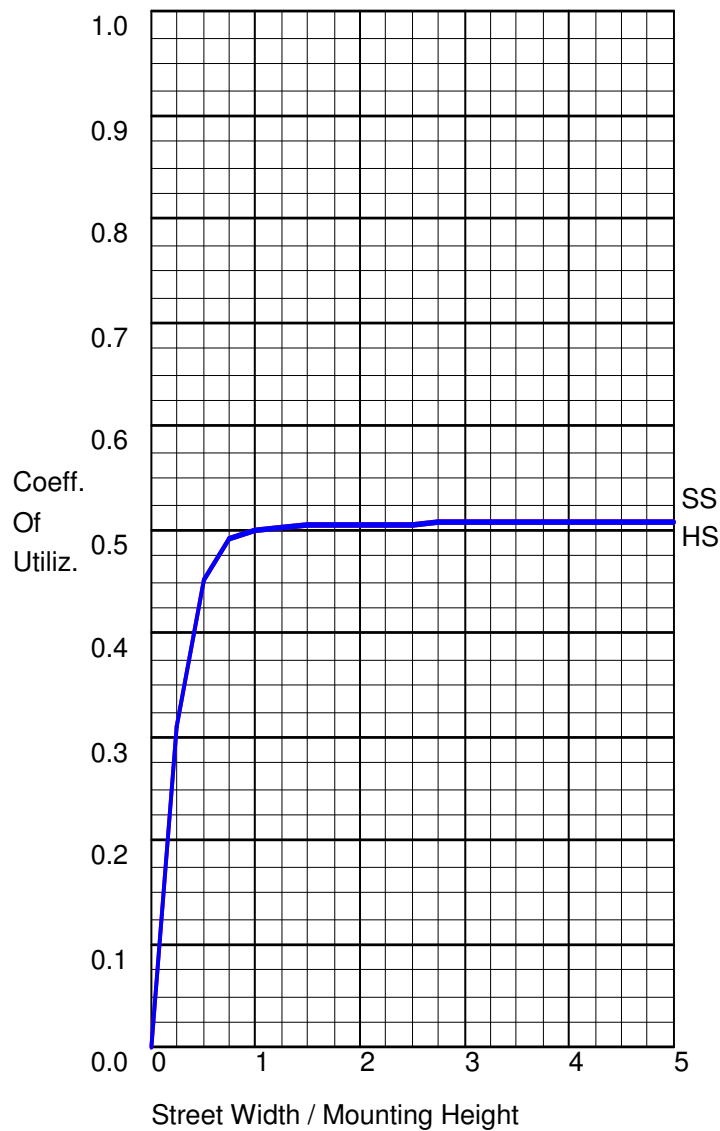
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-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

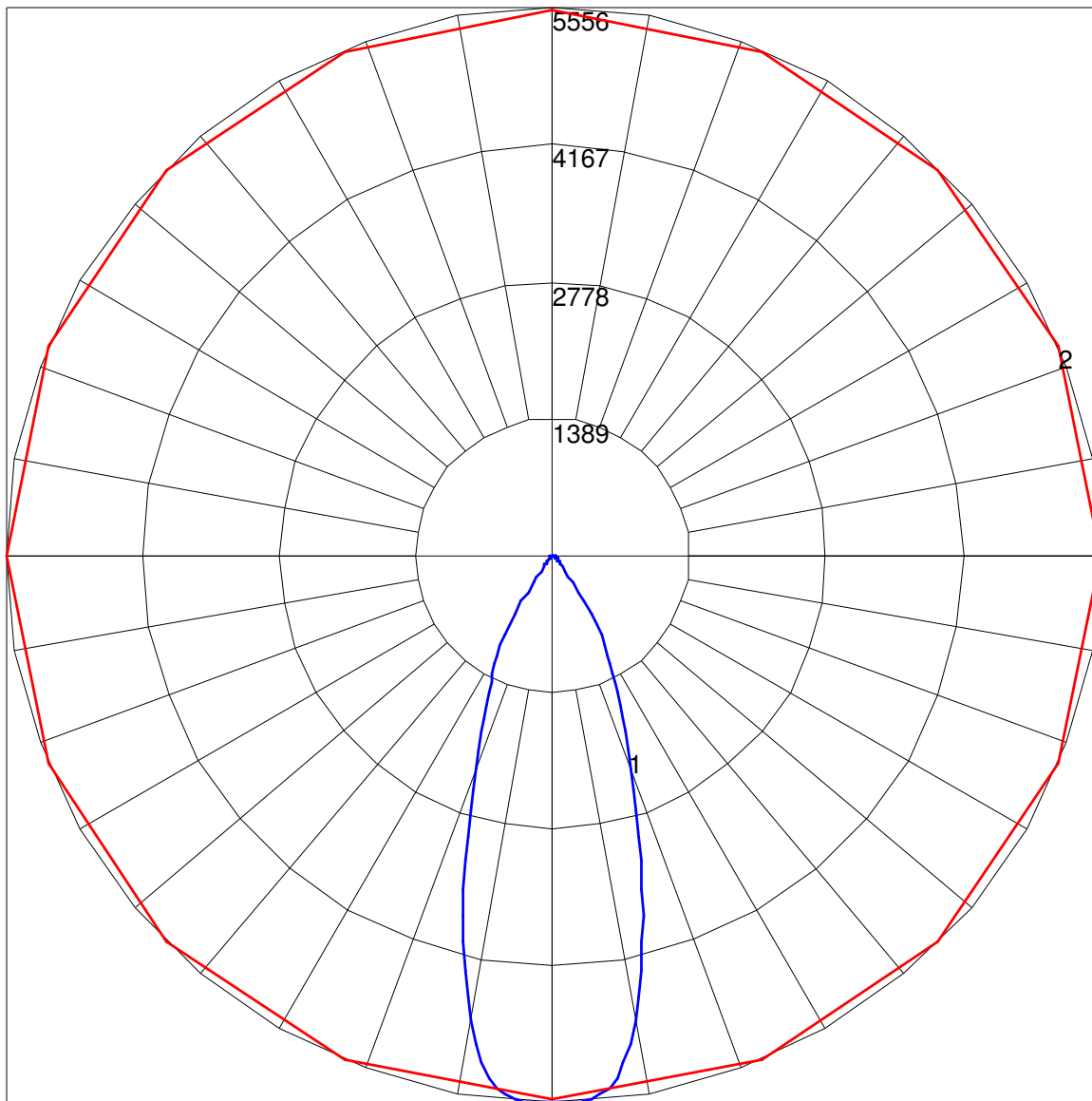
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1304.7	50.0
Downward House Side	1304.7	50.0
Downward Total	2609.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2609.6	100.0

POLAR GRAPH



Maximum Candela = 5556.143 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

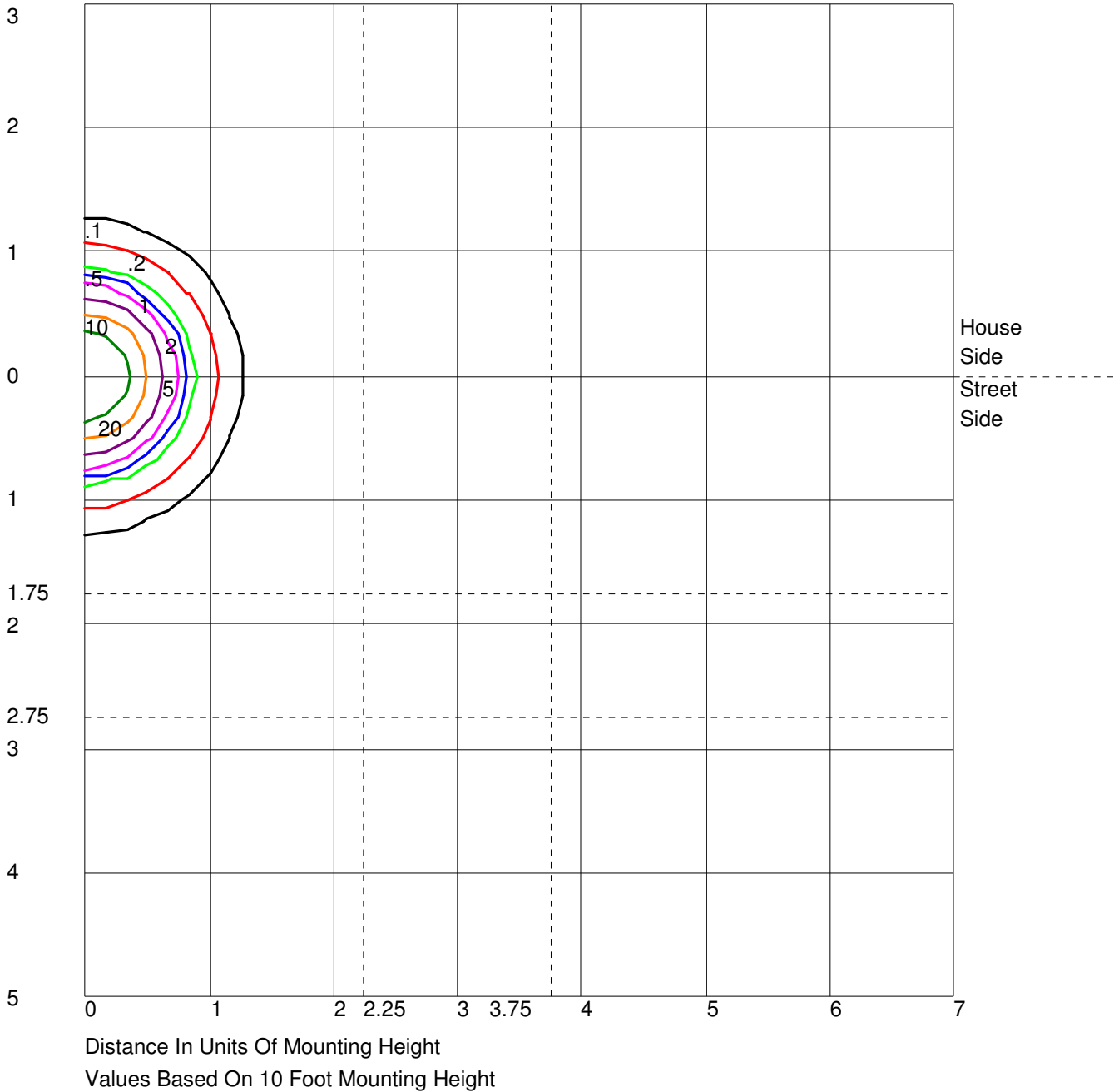


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