

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-850-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-L20-850-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	1958
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4169.31
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	4169.31
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.15 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.253 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-850-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	820.1	N.A.	41.9
FM - Front-Medium (30-60)	148.1	N.A.	7.6
FH - Front-High (60-80)	10.3	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	820.1	N.A.	41.9
BM - Back-Medium (30-60)	148.1	N.A.	7.6
BH - Back-High (60-80)	10.3	N.A.	0.5
BVH - Back-Very High (80-90)	0.5	N.A.	0.0
UL - Uplight-Low (90-100)	0.1	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	1958.1	N.A.	100.0
BUG Rating	B2-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	4159.858	4159.858	4159.858	4159.858	4159.858
1	4165.205	4165.101	4163.221	4161.881	4160.196
2	4169.310	4166.715	4161.582	4156.676	4151.686
3	4167.033	4163.878	4154.666	4145.493	4137.491
4	4159.760	4153.040	4139.111	4125.436	4117.154
5	4133.633	4125.462	4107.077	4088.470	4079.304
6	4088.028	4077.190	4052.051	4029.158	4017.487
7	4011.898	3998.627	3970.463	3947.459	3930.362
8	3905.491	3892.362	3864.088	3842.925	3821.131
9	3768.285	3758.318	3734.104	3714.867	3692.455
10	3604.803	3602.162	3581.936	3566.959	3550.051
11	3422.695	3424.745	3412.475	3401.825	3387.083
12	3231.401	3232.585	3228.213	3224.856	3210.746
13	3034.376	3035.768	3039.092	3039.613	3026.276
14	2832.113	2833.414	2844.350	2848.494	2837.103
15	2629.597	2632.231	2646.661	2654.670	2645.373
16	2430.756	2434.562	2449.466	2460.513	2453.539
17	2237.738	2246.176	2256.578	2271.177	2265.029
18	2054.927	2063.951	2073.918	2086.727	2082.980
19	1884.276	1890.547	1902.869	1914.254	1908.868
20	1731.073	1731.223	1743.434	1755.365	1751.559
21	1584.753	1585.091	1596.008	1608.076	1602.715
22	1456.382	1453.936	1465.471	1475.502	1472.705
23	1345.173	1341.283	1352.174	1359.701	1359.675
24	1247.210	1243.860	1252.545	1258.446	1258.914
25	1160.288	1158.531	1163.703	1169.487	1169.148
26	1084.288	1081.731	1083.806	1089.479	1087.085
27	1013.109	1009.296	1010.552	1014.280	1013.415
28	943.127	938.378	936.901	941.182	946.829
29	869.892	866.769	863.731	866.041	868.793
30	795.258	789.345	783.496	788.180	789.709
31	708.830	704.849	699.377	702.162	704.328
32	616.995	614.998	609.488	614.660	615.135
33	521.472	520.763	517.185	522.656	523.892
34	426.964	427.477	426.079	431.732	432.506
35	339.761	340.171	340.743	347.646	347.711
36	263.820	265.615	267.229	275.159	274.144
37	200.727	203.160	207.474	211.943	212.067
38	156.384	153.535	158.635	165.024	163.723
39	117.864	119.998	126.432	127.401	131.598
40	96.285	96.844	99.811	102.537	104.085
41	80.417	81.959	84.008	84.646	85.309
42	70.424	70.795	72.298	73.547	73.001
43	63.099	63.418	64.374	64.530	64.355
44	57.393	57.784	58.317	58.194	57.868
45	52.644	53.080	53.399	53.106	52.800
46	48.461	48.851	49.118	48.754	48.448
47	44.577	44.974	45.202	44.850	44.467
48	41.077	41.448	41.656	41.311	40.914
49	37.941	38.247	38.429	38.097	37.681
50	35.079	35.313	35.495	35.176	34.780
51	32.509	32.724	32.860	32.568	32.197
52	30.213	30.382	30.479	30.239	29.861

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53	28.176	28.287	28.378	28.170	27.799
54	26.348	26.433	26.498	26.290	25.964
55	24.663	24.709	24.780	24.572	24.299
56	23.037	23.102	23.134	22.972	22.750
57	21.573	21.618	21.638	21.495	21.319
58	20.278	20.311	20.324	20.187	20.025
59	19.114	19.127	19.120	18.997	18.860
60	18.053	18.047	18.040	17.923	17.806
61	17.084	17.058	17.045	16.934	16.824
62	16.186	16.160	16.128	16.024	15.913
63	15.360	15.314	15.282	15.171	15.061
64	14.547	14.508	14.469	14.358	14.254
65	13.779	13.747	13.695	13.590	13.486
66	13.024	12.992	12.927	12.829	12.725
67	12.296	12.263	12.198	12.094	12.003
68	11.580	11.548	11.483	11.372	11.287
69	10.865	10.839	10.773	10.669	10.572
70	10.168	10.129	10.071	9.973	9.869
71	9.472	9.420	9.368	9.277	9.180
72	8.770	8.718	8.672	8.581	8.503
73	8.067	8.022	7.976	7.898	7.807
74	7.364	7.332	7.280	7.215	7.150
75	6.681	6.655	6.603	6.545	6.486
76	5.992	5.979	5.927	5.881	5.836
77	5.322	5.309	5.270	5.237	5.198
78	4.639	4.632	4.613	4.574	4.567
79	3.955	3.949	3.936	3.923	3.916
80	3.240	3.253	3.240	3.253	3.227
81	2.453	2.479	2.459	2.459	2.433
82	1.386	1.418	1.438	1.451	1.464
83	0.625	0.638	0.722	0.774	0.833
84	0.573	0.579	0.579	0.573	0.573
85	0.527	0.527	0.527	0.527	0.527
86	0.468	0.468	0.475	0.468	0.468
87	0.397	0.397	0.397	0.403	0.397
88	0.306	0.312	0.312	0.312	0.306
89	0.208	0.215	0.215	0.215	0.215
90	0.124	0.130	0.143	0.150	0.150
91	0.124	0.130	0.130	0.130	0.124
92	0.124	0.124	0.130	0.130	0.130
93	0.124	0.130	0.130	0.130	0.130
94	0.124	0.130	0.130	0.130	0.130
95	0.130	0.130	0.130	0.137	0.130
96	0.130	0.130	0.137	0.137	0.130
97	0.130	0.137	0.137	0.137	0.130
98	0.130	0.143	0.143	0.137	0.137
99	0.137	0.143	0.143	0.143	0.137
100	0.137	0.143	0.143	0.143	0.137
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

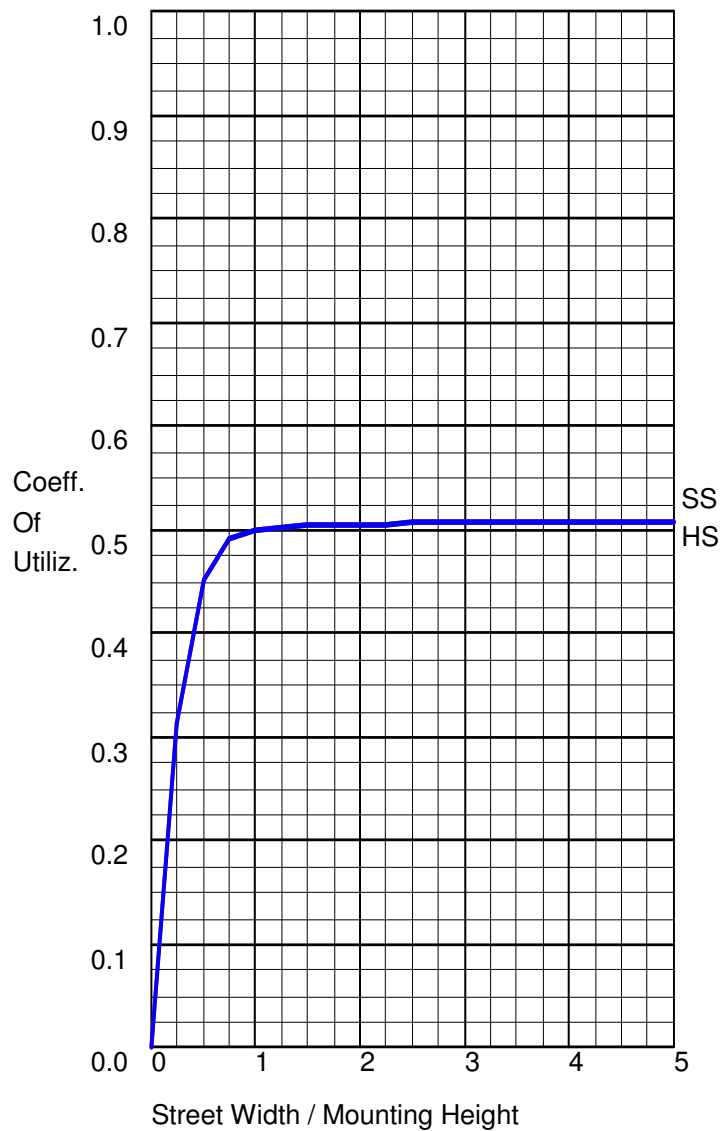
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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-L20-850-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

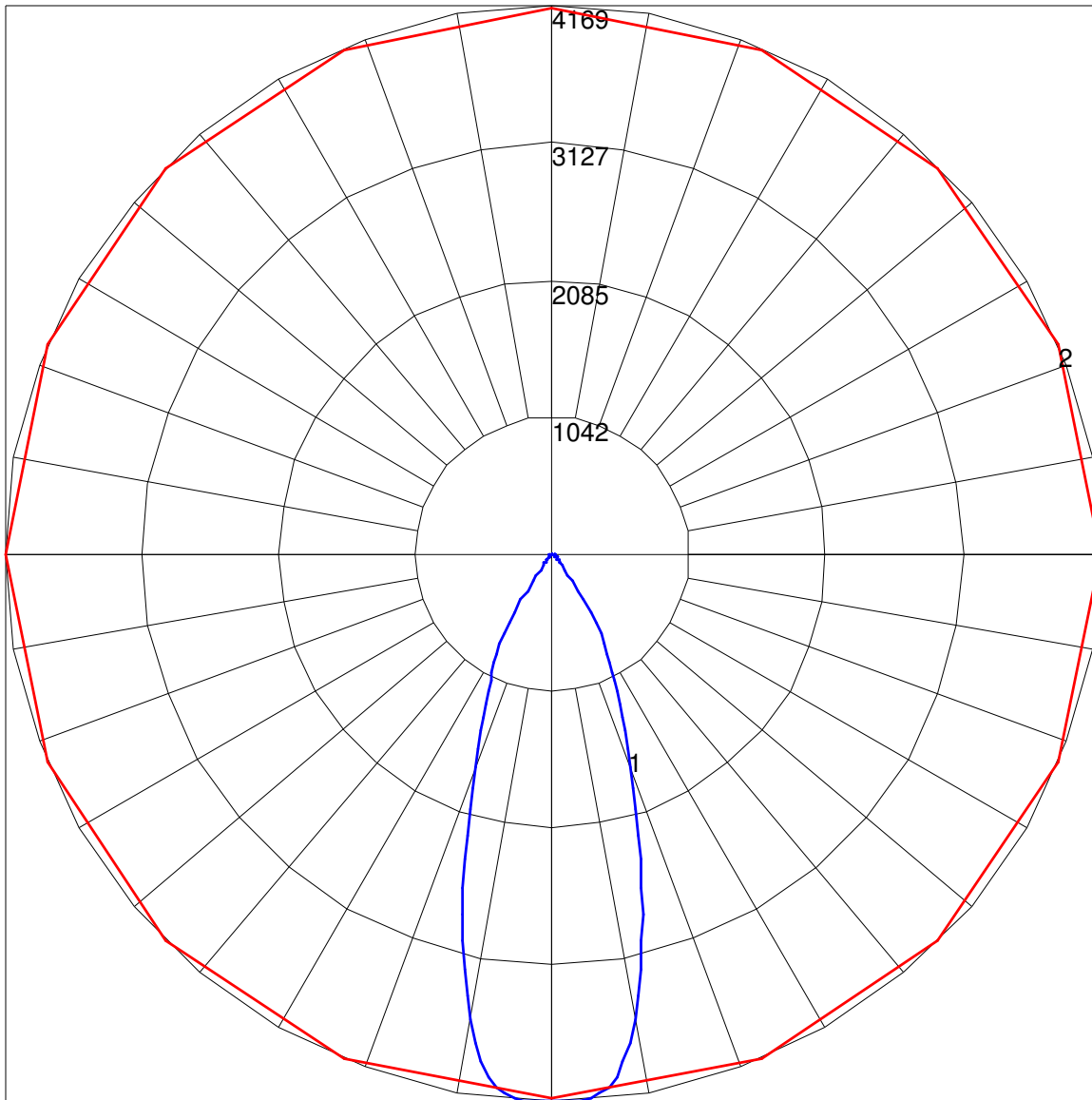
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	979.1	50.0
Downward House Side	979.1	50.0
Downward Total	1958.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1958.4	100.0

POLAR GRAPH



Maximum Candela = 4169.31 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

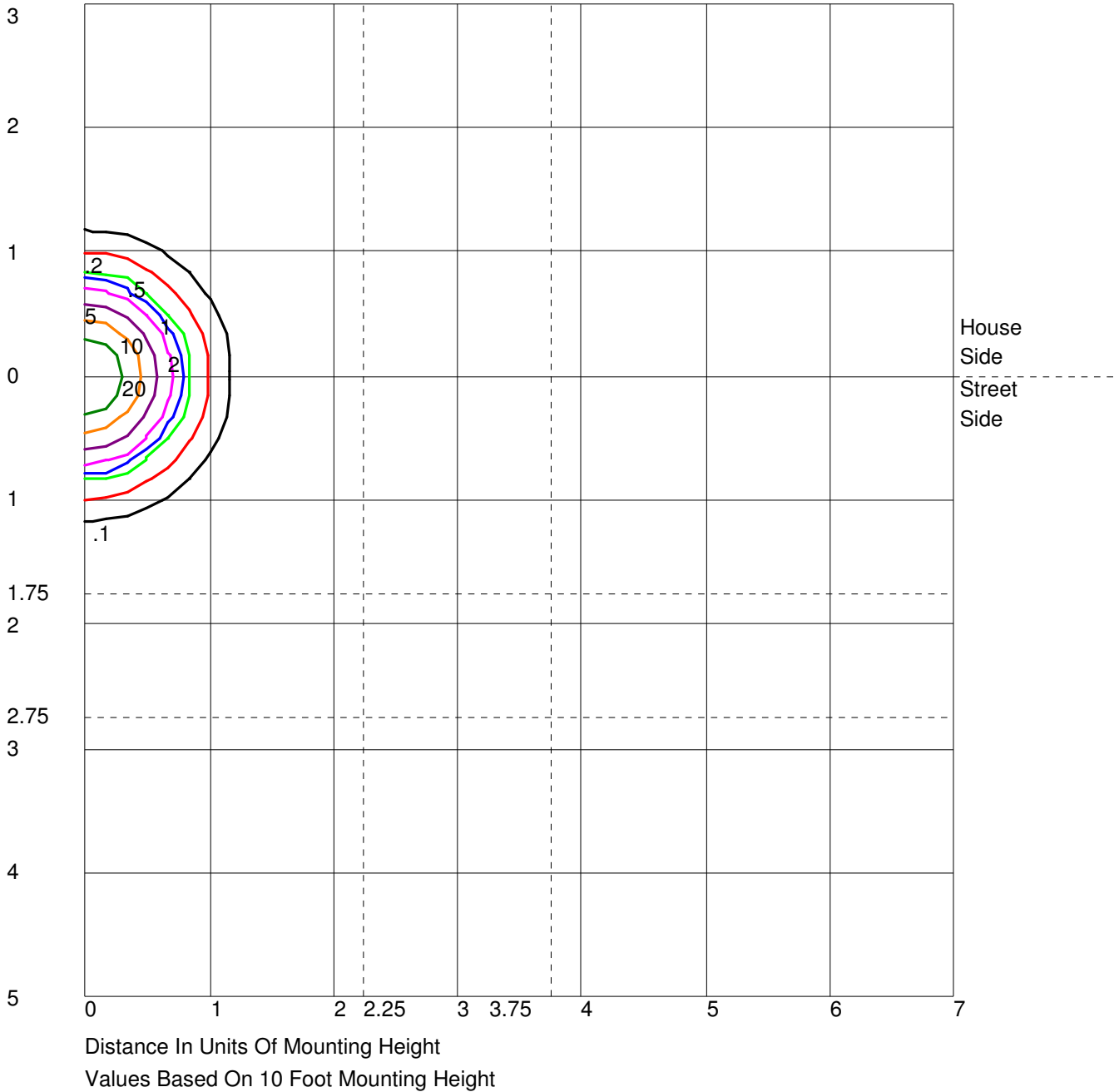


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