

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-930-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-L20-930-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	2057
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	20414.738
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	20414.738
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.145 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.336 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-930-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	909.3	N.A.	44.2
FM - Front-Medium (30-60)	108.7	N.A.	5.3
FH - Front-High (60-80)	10.0	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	909.3	N.A.	44.2
BM - Back-Medium (30-60)	108.7	N.A.	5.3
BH - Back-High (60-80)	10.0	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	2057.1	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	20414.738	20414.738	20414.738	20414.738	20414.738
1	20063.586	20071.547	20072.373	20074.751	20076.852
2	19215.384	19172.006	19240.331	19197.170	19235.541
3	17830.651	17816.586	17829.389	17929.254	17902.517
4	15873.408	16052.769	16089.700	16087.077	16124.523
5	13819.378	13843.571	13895.314	14051.823	14061.726
6	11481.307	11522.835	11726.317	11826.638	11944.366
7	9302.347	9253.829	9446.674	9673.173	9692.134
8	7155.767	7256.021	7463.189	7618.476	7687.812
9	5455.432	5551.002	5711.720	5886.688	5970.664
10	4141.396	4178.676	4369.857	4520.678	4595.807
11	3150.089	3190.614	3342.188	3491.139	3527.257
12	2442.343	2496.900	2612.884	2693.279	2736.083
13	1998.336	1991.419	2061.997	2138.970	2176.548
14	1607.202	1621.935	1689.658	1765.277	1777.083
15	1364.160	1372.471	1440.803	1469.165	1521.826
16	1193.255	1198.415	1237.480	1272.818	1290.365
17	1072.032	1075.361	1104.932	1133.321	1147.961
18	986.160	988.677	1011.410	1034.738	1045.744
19	927.593	929.905	948.133	964.774	977.314
20	891.409	889.473	902.864	915.866	925.076
21	862.406	862.531	870.849	880.468	888.759
22	843.795	841.959	848.929	854.458	863.093
23	828.455	824.967	830.417	835.015	843.049
24	812.976	809.461	812.738	815.717	824.022
25	796.076	793.447	794.048	796.876	804.130
26	776.554	773.634	773.033	775.616	781.680
27	753.722	749.282	747.710	749.289	756.391
28	723.464	718.416	714.875	716.322	723.992
29	684.016	679.629	672.236	674.608	681.565
30	632.974	629.043	619.912	622.456	628.369
31	569.135	565.917	557.104	559.932	565.745
32	494.798	493.219	485.800	490.239	495.220
33	414.052	413.828	408.827	414.482	419.503
34	332.058	333.261	331.299	337.667	341.691
35	255.469	258.078	257.695	266.931	267.724
36	188.776	190.315	194.979	200.846	203.607
37	136.703	134.100	142.959	148.799	155.307
38	94.242	93.364	99.409	105.421	107.218
39	63.317	67.810	72.117	75.229	76.643
40	46.186	48.413	51.709	56.195	55.944
41	36.759	37.809	40.075	41.839	42.758
42	31.678	31.962	33.416	34.367	34.876
43	28.937	28.976	29.776	30.172	30.463
44	27.404	27.463	27.774	27.853	28.025
45	26.512	26.578	26.624	26.578	26.704
46	25.917	25.957	25.871	25.779	25.884
47	25.448	25.442	25.290	25.191	25.230
48	25.078	25.019	24.808	24.728	24.715
49	24.781	24.669	24.418	24.299	24.259
50	24.550	24.378	24.081	23.936	23.856
51	24.372	24.160	23.784	23.625	23.519
52	24.259	23.982	23.552	23.361	23.229

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53	24.173	23.843	23.354	23.123	23.011
54	24.068	23.698	23.130	22.859	22.727
55	23.711	23.321	22.740	22.429	22.357
56	23.090	22.713	22.099	21.795	21.828
57	22.291	21.980	21.326	21.055	21.181
58	21.392	21.134	20.474	20.242	20.427
59	20.348	20.143	19.516	19.324	19.575
60	19.218	19.033	18.492	18.346	18.611
61	18.036	17.858	17.421	17.316	17.554
62	16.833	16.668	16.338	16.265	16.464
63	15.651	15.506	15.274	15.208	15.354
64	14.495	14.349	14.237	14.178	14.290
65	13.438	13.292	13.259	13.200	13.299
66	12.427	12.308	12.308	12.268	12.348
67	11.502	11.423	11.443	11.410	11.476
68	10.683	10.623	10.656	10.617	10.676
69	9.930	9.890	9.916	9.890	9.930
70	9.236	9.223	9.236	9.210	9.236
71	8.595	8.595	8.602	8.569	8.582
72	8.014	7.994	8.001	7.968	7.968
73	7.446	7.419	7.413	7.380	7.380
74	6.891	6.851	6.851	6.811	6.818
75	6.329	6.289	6.283	6.237	6.256
76	5.754	5.721	5.721	5.675	5.701
77	5.180	5.160	5.153	5.120	5.147
78	4.598	4.565	4.565	4.539	4.572
79	3.977	3.951	3.964	3.944	3.990
80	3.303	3.297	3.303	3.316	3.336
81	2.537	2.550	2.544	2.550	2.550
82	1.447	1.486	1.526	1.513	1.546
83	0.687	0.694	0.773	0.806	0.852
84	0.628	0.628	0.628	0.621	0.621
85	0.581	0.575	0.575	0.568	0.575
86	0.522	0.515	0.515	0.515	0.515
87	0.443	0.443	0.443	0.436	0.436
88	0.350	0.350	0.350	0.344	0.337
89	0.238	0.238	0.231	0.231	0.225
90	0.132	0.139	0.145	0.145	0.145
91	0.132	0.132	0.126	0.119	0.119
92	0.132	0.132	0.126	0.126	0.119
93	0.139	0.139	0.126	0.126	0.119
94	0.145	0.139	0.132	0.126	0.126
95	0.145	0.139	0.132	0.132	0.126
96	0.152	0.139	0.139	0.132	0.132
97	0.152	0.139	0.145	0.139	0.139
98	0.152	0.145	0.145	0.139	0.139
99	0.152	0.145	0.145	0.139	0.145
100	0.152	0.152	0.152	0.145	0.145
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

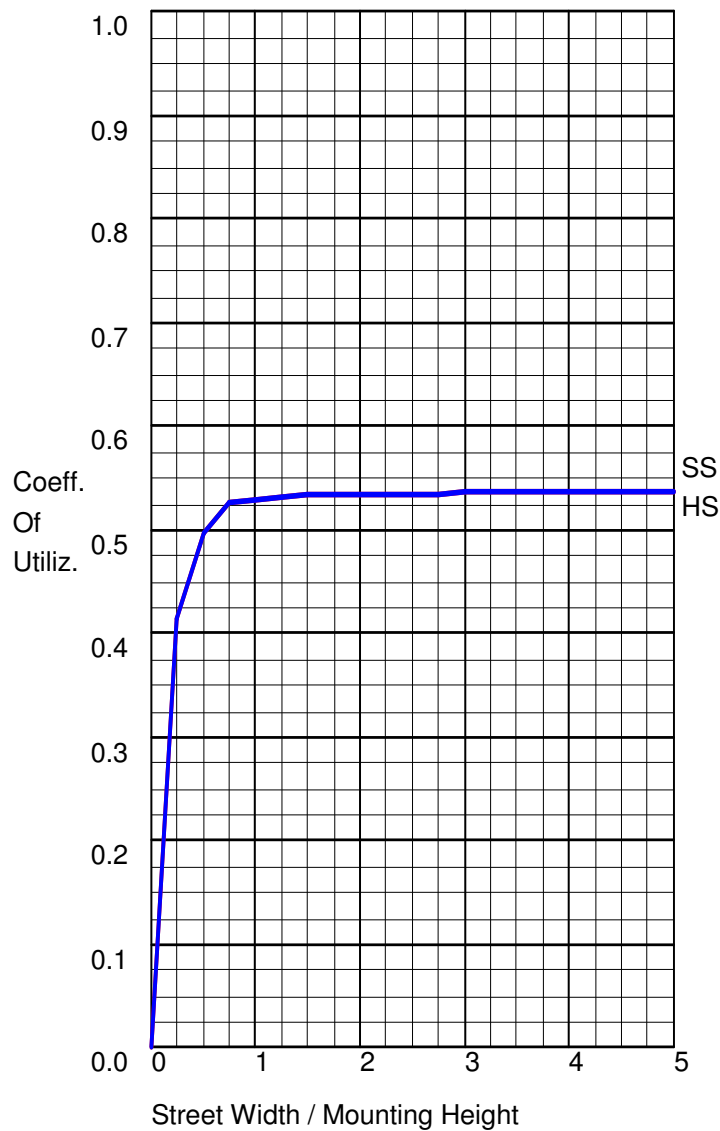
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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

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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

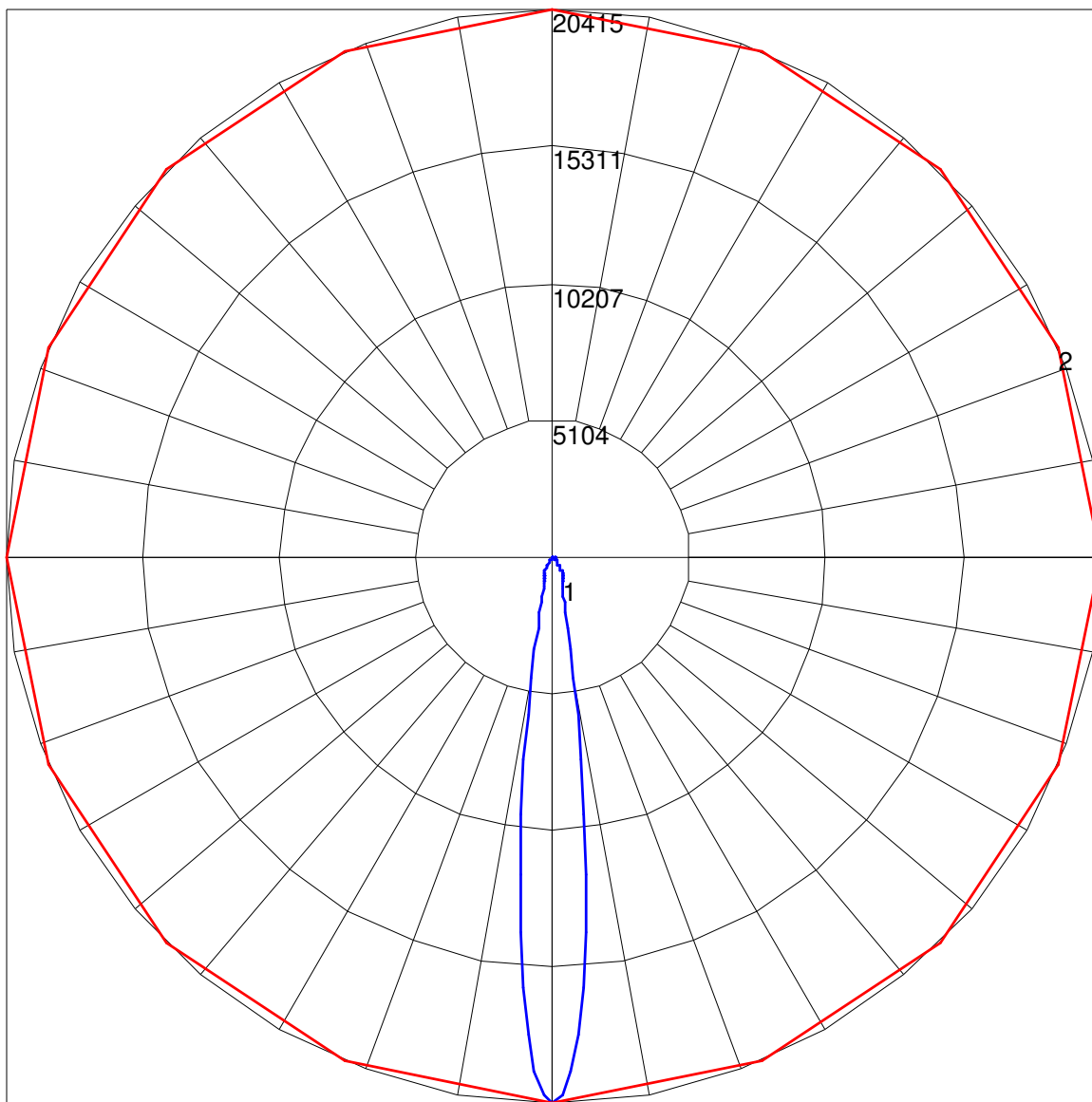
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1028.5	50.0
Downward House Side	1028.5	50.0
Downward Total	2057.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2057.2	100.0

POLAR GRAPH



Maximum Candela = 20414.738 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

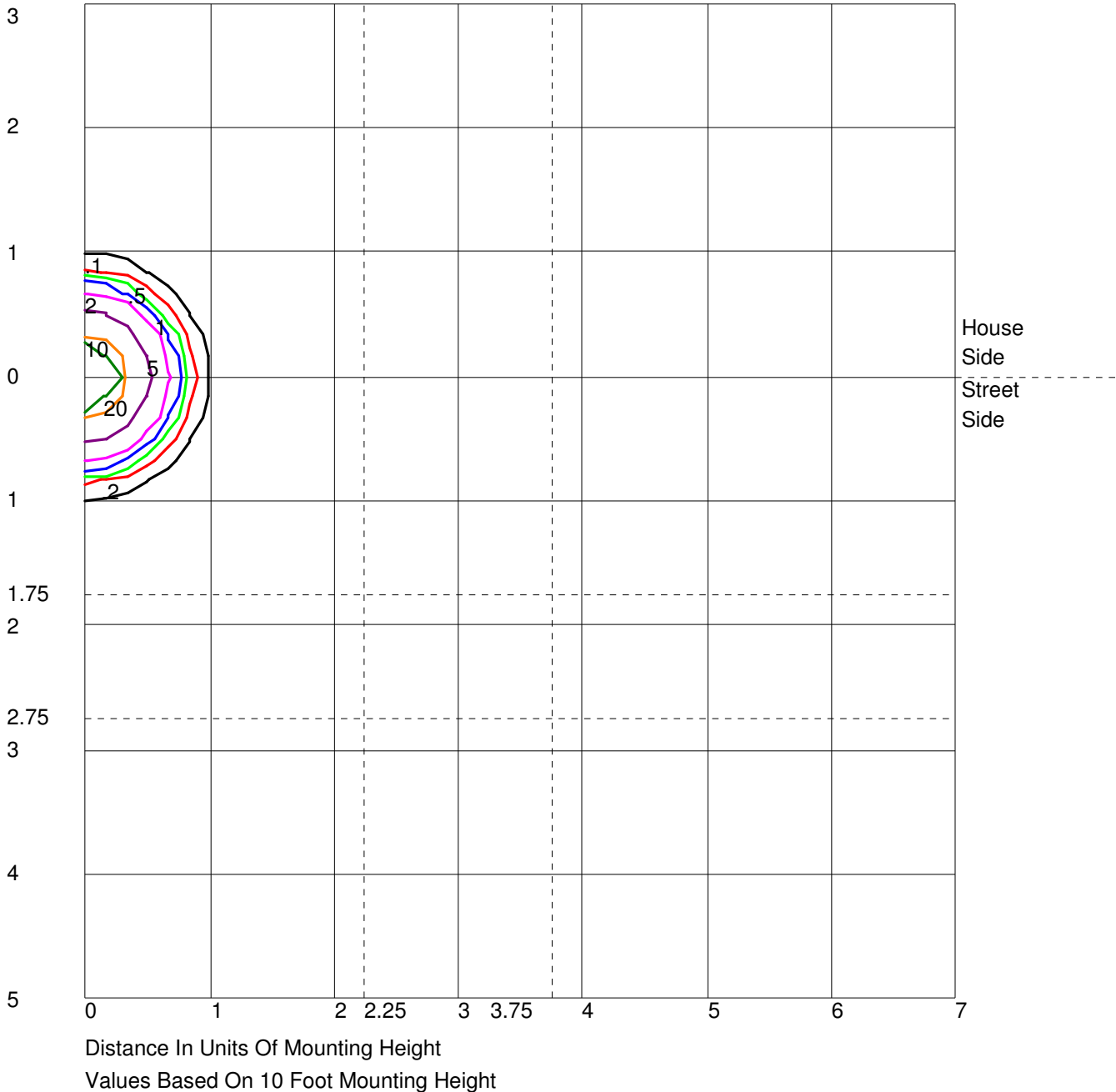


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