

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-940-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
[ISSUE DATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L20-940-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	1919
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4085.082
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	4085.082
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.147 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.187 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-940-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	803.6	N.A.	41.9
FM - Front-Medium (30-60)	145.1	N.A.	7.6
FH - Front-High (60-80)	10.1	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	803.6	N.A.	41.9
BM - Back-Medium (30-60)	145.1	N.A.	7.6
BH - Back-High (60-80)	10.1	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	1918.7	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	4075.820	4075.820	4075.820	4075.820	4075.820
1	4081.060	4080.958	4079.116	4077.803	4076.152
2	4085.082	4082.539	4077.510	4072.703	4067.814
3	4082.851	4079.760	4070.734	4061.746	4053.906
4	4075.725	4069.140	4055.493	4042.094	4033.980
5	4050.126	4042.119	4024.106	4005.875	3996.894
6	4005.442	3994.822	3970.192	3947.761	3936.325
7	3930.850	3917.846	3890.252	3867.713	3850.961
8	3826.592	3813.729	3786.026	3765.291	3743.937
9	3692.158	3682.393	3658.668	3639.819	3617.860
10	3531.979	3529.391	3509.573	3494.900	3478.333
11	3353.550	3355.558	3343.536	3333.101	3318.657
12	3166.121	3167.281	3162.997	3159.708	3145.882
13	2973.075	2974.439	2977.697	2978.207	2965.139
14	2774.899	2776.174	2786.889	2790.949	2779.788
15	2576.474	2579.055	2593.193	2601.040	2591.931
16	2381.650	2385.379	2399.982	2410.806	2403.973
17	2192.531	2200.799	2210.991	2225.295	2219.271
18	2013.414	2022.255	2032.020	2044.571	2040.900
19	1846.210	1852.355	1864.428	1875.583	1870.305
20	1696.102	1696.248	1708.213	1719.903	1716.174
21	1552.738	1553.069	1563.765	1575.590	1570.337
22	1426.960	1424.564	1435.865	1445.694	1442.953
23	1317.998	1314.187	1324.857	1332.232	1332.207
24	1222.014	1218.732	1227.241	1233.023	1233.482
25	1136.848	1135.126	1140.194	1145.861	1145.529
26	1062.383	1059.878	1061.911	1067.470	1065.124
27	992.642	988.907	990.137	993.789	992.942
28	924.074	919.421	917.974	922.168	927.701
29	852.319	849.259	846.282	848.545	851.241
30	779.193	773.398	767.668	772.257	773.755
31	694.510	690.609	685.248	687.977	690.099
32	604.531	602.574	597.175	602.243	602.708
33	510.937	510.242	506.737	512.097	513.308
34	418.338	418.842	417.471	423.010	423.769
35	332.897	333.299	333.860	340.623	340.686
36	258.490	260.249	261.830	269.600	268.606
37	196.672	199.056	203.282	207.661	207.783
38	153.225	150.433	155.431	161.690	160.415
39	115.483	117.574	123.878	124.828	128.939
40	94.339	94.888	97.794	100.465	101.982
41	78.793	80.303	82.311	82.936	83.586
42	69.002	69.365	70.837	72.061	71.526
43	61.824	62.137	63.074	63.227	63.054
44	56.234	56.616	57.139	57.018	56.699
45	51.581	52.008	52.320	52.033	51.734
46	47.482	47.865	48.126	47.769	47.469
47	43.677	44.065	44.289	43.944	43.568
48	40.247	40.611	40.815	40.477	40.088
49	37.175	37.474	37.653	37.328	36.920
50	34.370	34.600	34.778	34.466	34.077
51	31.852	32.063	32.197	31.910	31.546
52	29.602	29.768	29.864	29.628	29.258

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-940-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	27.607	27.715	27.805	27.601	27.237
54	25.816	25.899	25.962	25.758	25.440
55	24.165	24.210	24.280	24.076	23.808
56	22.571	22.635	22.667	22.508	22.291
57	21.137	21.182	21.201	21.061	20.889
58	19.869	19.901	19.913	19.779	19.620
59	18.728	18.740	18.734	18.613	18.479
60	17.689	17.682	17.676	17.561	17.446
61	16.739	16.713	16.701	16.592	16.484
62	15.859	15.834	15.802	15.700	15.592
63	15.050	15.005	14.973	14.865	14.756
64	14.253	14.215	14.176	14.068	13.966
65	13.501	13.469	13.418	13.316	13.214
66	12.761	12.729	12.666	12.570	12.468
67	12.047	12.016	11.952	11.850	11.761
68	11.346	11.314	11.251	11.142	11.059
69	10.645	10.620	10.556	10.454	10.358
70	9.963	9.925	9.867	9.772	9.670
71	9.281	9.230	9.179	9.090	8.994
72	8.593	8.542	8.497	8.408	8.331
73	7.904	7.859	7.815	7.738	7.649
74	7.216	7.184	7.133	7.069	7.005
75	6.546	6.521	6.470	6.413	6.355
76	5.871	5.858	5.807	5.762	5.718
77	5.214	5.201	5.163	5.131	5.093
78	4.545	4.538	4.519	4.481	4.475
79	3.876	3.869	3.856	3.844	3.837
80	3.174	3.187	3.174	3.187	3.162
81	2.403	2.429	2.409	2.409	2.384
82	1.358	1.390	1.409	1.421	1.434
83	0.612	0.625	0.708	0.759	0.816
84	0.561	0.567	0.567	0.561	0.561
85	0.516	0.516	0.516	0.516	0.516
86	0.459	0.459	0.465	0.459	0.459
87	0.389	0.389	0.389	0.395	0.389
88	0.300	0.306	0.306	0.306	0.300
89	0.204	0.210	0.210	0.210	0.210
90	0.121	0.127	0.140	0.147	0.147
91	0.121	0.127	0.127	0.127	0.121
92	0.121	0.121	0.127	0.127	0.127
93	0.121	0.127	0.127	0.127	0.127
94	0.121	0.127	0.127	0.127	0.127
95	0.127	0.127	0.127	0.134	0.127
96	0.127	0.127	0.134	0.134	0.127
97	0.127	0.134	0.134	0.134	0.127
98	0.127	0.140	0.140	0.134	0.134
99	0.134	0.140	0.140	0.140	0.134
100	0.134	0.140	0.140	0.140	0.134
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

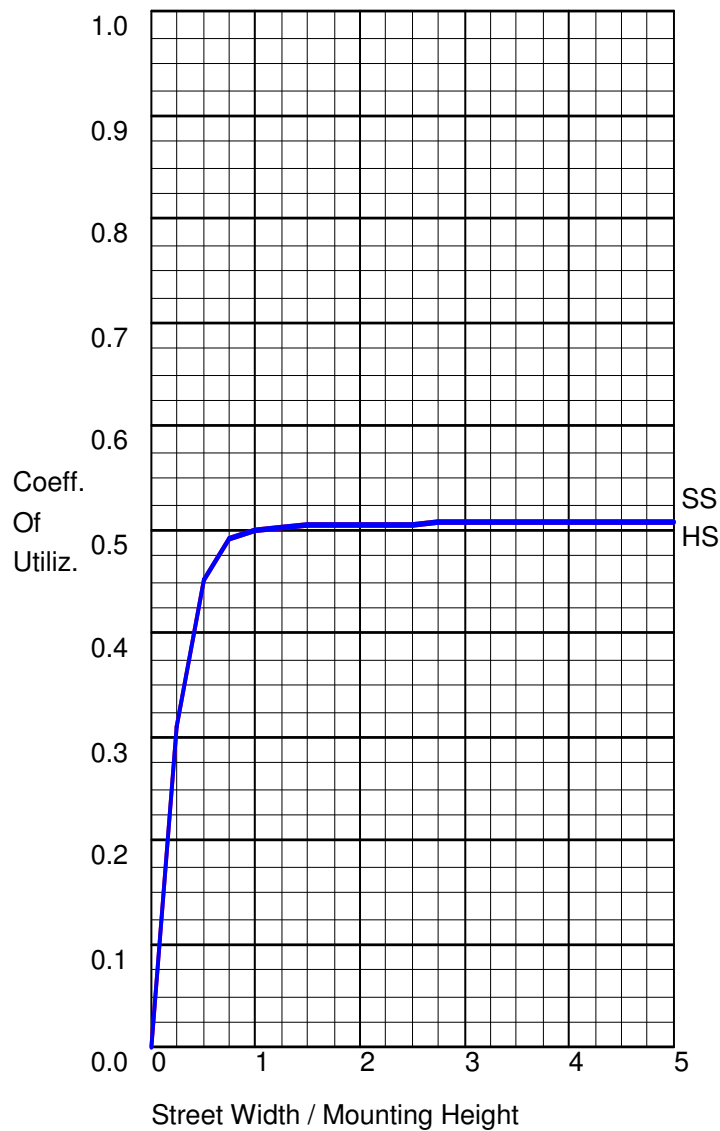
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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-L20-940-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

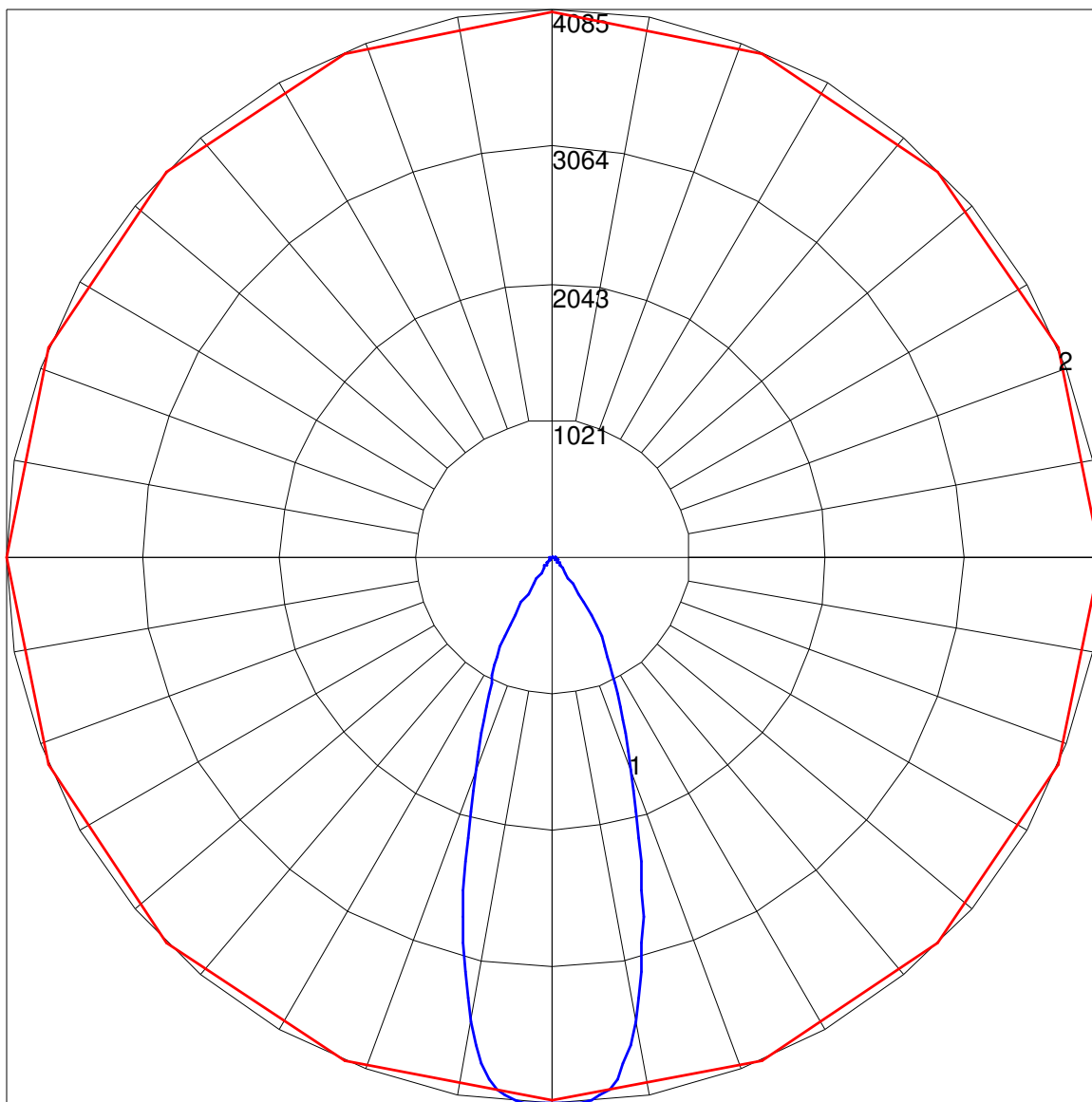
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	959.3	50.0
Downward House Side	959.3	50.0
Downward Total	1918.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1918.8	100.0

POLAR GRAPH



Maximum Candela = 4085.082 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

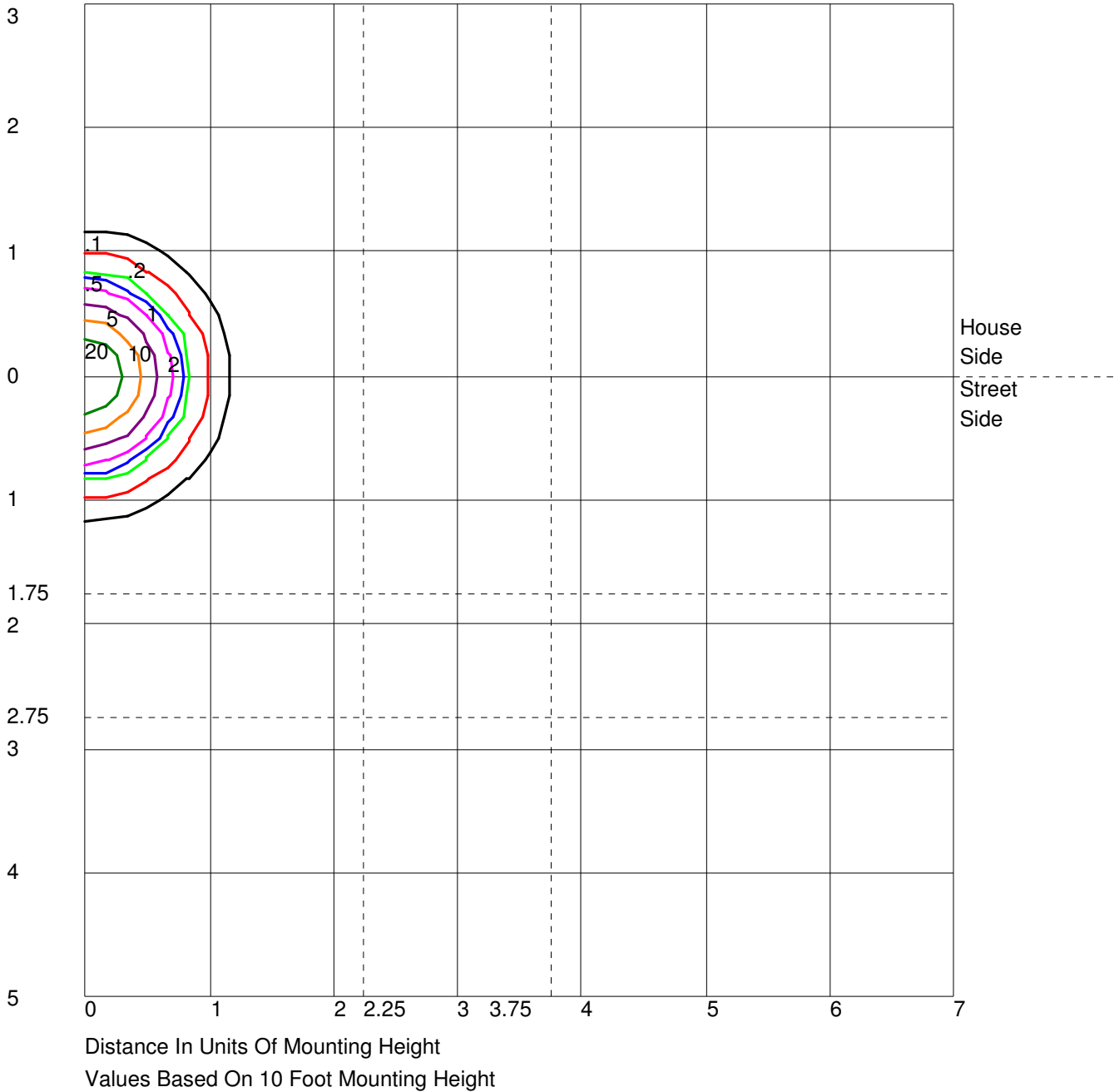


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