

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-827-XXX-DIM-UNV-N-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W6CR_Angela-M_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L10-827-xxx-DIM-UNV-N-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH NARROW DIST.
[LAMPCAT] BL V18 COB
[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	939
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2766.524
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2766.524
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.085 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.859 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-827-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	368.0	N.A.	39.2
FM - Front-Medium (30-60)	94.1	N.A.	10.0
FH - Front-High (60-80)	6.9	N.A.	0.7
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	368.0	N.A.	39.2
BM - Back-Medium (30-60)	94.1	N.A.	10.0
BH - Back-High (60-80)	6.9	N.A.	0.7
BVH - Back-Very High (80-90)	0.3	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	938.7	N.A.	100.0
BUG Rating	B1-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-827-XXX-DIM-UNV-N-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	2766.524	2766.524	2766.524	2766.524	2766.524
1	2748.729	2747.957	2748.434	2748.411	2747.408
2	2700.189	2699.468	2699.133	2699.312	2698.296
3	2622.481	2620.951	2620.650	2621.178	2618.954
4	2515.661	2514.815	2513.406	2513.724	2512.346
5	2382.182	2381.660	2383.424	2383.594	2384.328
6	2231.405	2230.881	2233.518	2236.799	2239.660
7	2068.783	2069.643	2074.647	2080.125	2082.335
8	1899.879	1902.246	1908.733	1916.747	1919.344
9	1735.032	1737.145	1744.946	1755.201	1759.917
10	1578.175	1580.268	1589.287	1599.776	1605.680
11	1432.196	1433.974	1442.546	1453.573	1460.040
12	1298.887	1301.057	1309.131	1319.806	1324.441
13	1179.966	1182.268	1190.793	1202.253	1204.007
14	1075.325	1078.979	1087.446	1094.515	1097.752
15	987.092	987.512	993.484	1001.342	1005.659
16	904.601	907.133	915.225	922.392	928.036
17	837.345	839.363	844.272	851.483	855.143
18	780.111	781.766	786.103	792.461	795.353
19	732.160	733.439	737.167	741.917	744.937
20	692.179	692.632	695.459	699.048	701.513
21	657.371	656.964	659.290	662.145	664.223
22	627.777	625.877	627.882	629.994	632.056
23	601.254	598.525	600.180	601.596	603.928
24	576.095	574.108	574.598	575.746	578.211
25	553.140	551.275	550.794	551.549	553.499
26	530.429	528.713	527.301	528.110	529.505
27	507.492	505.084	503.412	503.578	505.470
28	482.055	479.262	476.252	476.293	478.101
29	451.865	450.322	446.929	447.054	449.631
30	420.054	417.928	411.854	413.022	415.294
31	380.472	378.542	373.850	373.718	376.152
32	336.097	335.166	331.411	332.917	334.238
33	289.141	288.786	286.348	288.860	290.340
34	242.033	242.372	241.630	244.566	245.906
35	197.959	198.406	199.259	202.956	203.823
36	159.291	159.535	162.128	166.059	167.072
37	126.857	128.367	130.821	135.433	135.297
38	101.580	103.564	106.892	109.373	109.898
39	85.400	84.915	87.770	90.204	90.729
40	71.136	72.297	75.219	76.749	78.151
41	62.767	63.450	65.025	66.074	66.646
42	56.825	57.190	58.372	59.036	59.350
43	52.254	52.488	53.432	53.815	54.157
44	48.438	48.672	49.336	49.661	49.796
45	45.077	45.334	45.930	46.089	46.238
46	41.962	42.236	42.737	42.950	43.072
47	39.023	39.277	39.761	39.978	40.096
48	36.250	36.507	36.964	37.215	37.334
49	33.660	33.890	34.320	34.584	34.696
50	31.222	31.409	31.839	32.096	32.211
51	28.944	29.123	29.519	29.784	29.902
52	26.828	26.980	27.353	27.620	27.712

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53	24.851	25.000	25.342	25.612	25.694
54	23.033	23.165	23.466	23.720	23.808
55	21.306	21.414	21.712	21.932	22.034
56	19.627	19.732	20.009	20.216	20.310
57	18.035	18.140	18.398	18.580	18.675
58	16.603	16.695	16.928	17.094	17.189
59	15.283	15.361	15.571	15.726	15.818
60	14.064	14.138	14.335	14.467	14.552
61	12.960	13.021	13.201	13.319	13.380
62	11.951	12.012	12.165	12.273	12.324
63	11.027	11.081	11.223	11.311	11.352
64	10.194	10.221	10.357	10.431	10.455
65	9.426	9.446	9.568	9.625	9.649
66	8.701	8.725	8.820	8.877	8.887
67	8.034	8.058	8.142	8.186	8.197
68	7.418	7.442	7.509	7.547	7.550
69	6.846	6.853	6.920	6.947	6.944
70	6.304	6.311	6.365	6.385	6.379
71	5.793	5.793	5.837	5.854	5.840
72	5.315	5.302	5.339	5.349	5.346
73	4.841	4.831	4.862	4.865	4.855
74	4.384	4.378	4.398	4.405	4.395
75	3.948	3.938	3.951	3.961	3.948
76	3.514	3.504	3.514	3.521	3.514
77	3.084	3.081	3.094	3.094	3.094
78	2.665	2.661	2.675	2.675	2.681
79	2.245	2.241	2.262	2.265	2.268
80	1.825	1.825	1.845	1.859	1.855
81	1.375	1.388	1.398	1.408	1.402
82	0.799	0.819	0.840	0.836	0.843
83	0.400	0.400	0.433	0.450	0.477
84	0.362	0.362	0.366	0.362	0.362
85	0.335	0.335	0.335	0.335	0.335
86	0.298	0.301	0.301	0.298	0.301
87	0.254	0.254	0.257	0.254	0.254
88	0.196	0.200	0.200	0.196	0.196
89	0.132	0.132	0.132	0.132	0.132
90	0.074	0.078	0.081	0.085	0.085
91	0.071	0.074	0.071	0.071	0.068
92	0.074	0.074	0.074	0.074	0.068
93	0.074	0.074	0.074	0.074	0.068
94	0.074	0.078	0.078	0.074	0.071
95	0.078	0.078	0.078	0.074	0.074
96	0.078	0.081	0.081	0.078	0.081
97	0.085	0.085	0.085	0.085	0.085
98	0.088	0.088	0.085	0.088	0.088
99	0.091	0.095	0.091	0.088	0.091
100	0.091	0.095	0.095	0.091	0.091
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

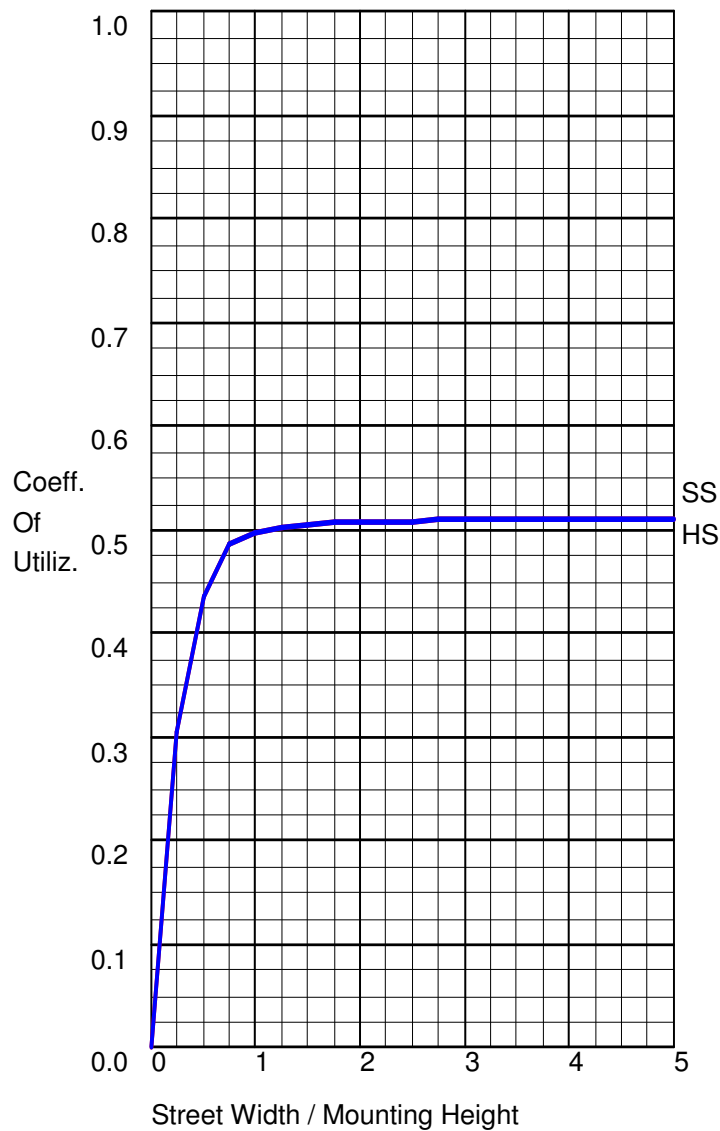
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-827-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L10-827-XXX-DIM-UNV-N-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

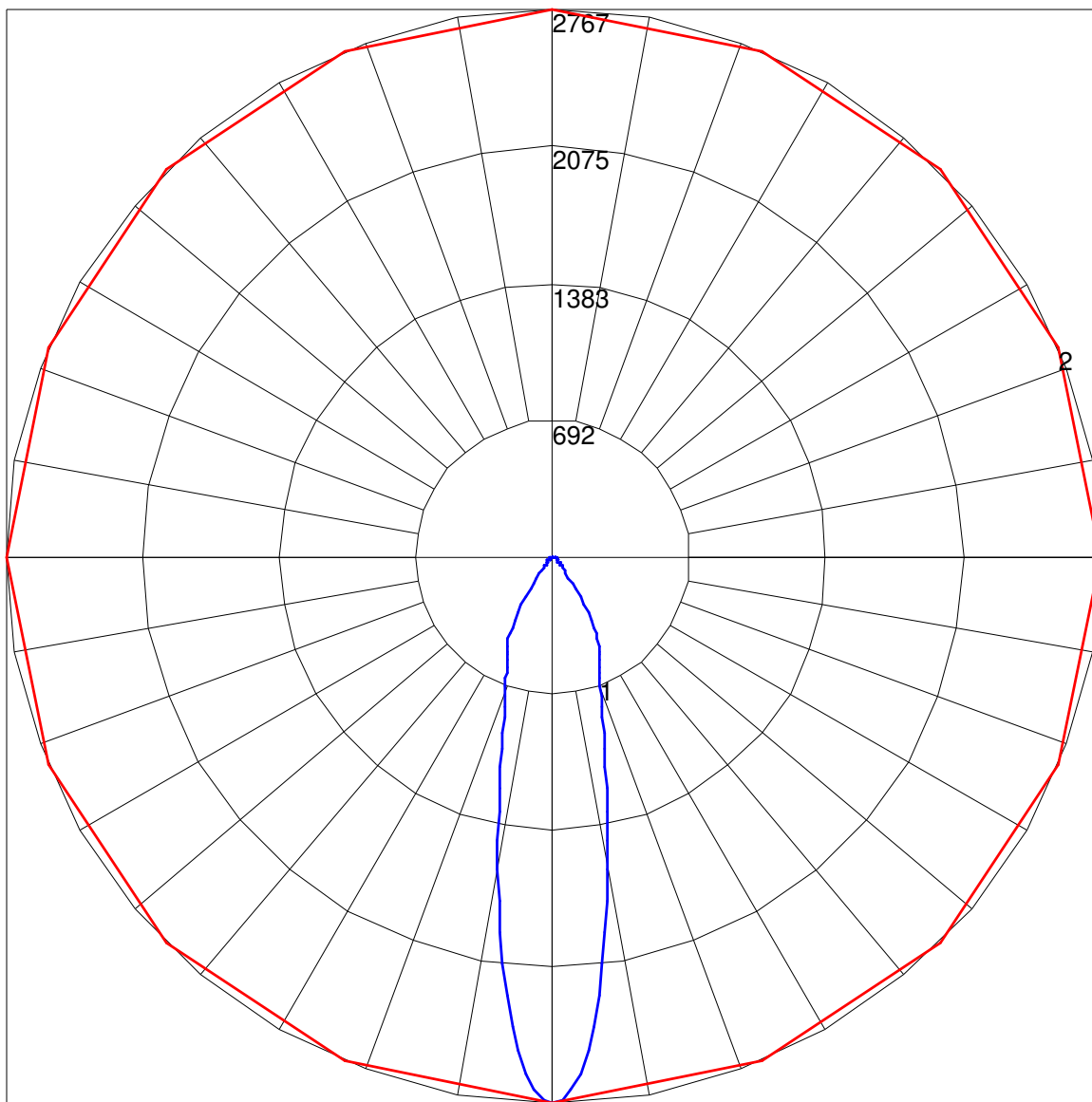
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	469.3	50.0
Downward House Side	469.3	50.0
Downward Total	938.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	938.6	100.0

POLAR GRAPH



Maximum Candela = 2766.524 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

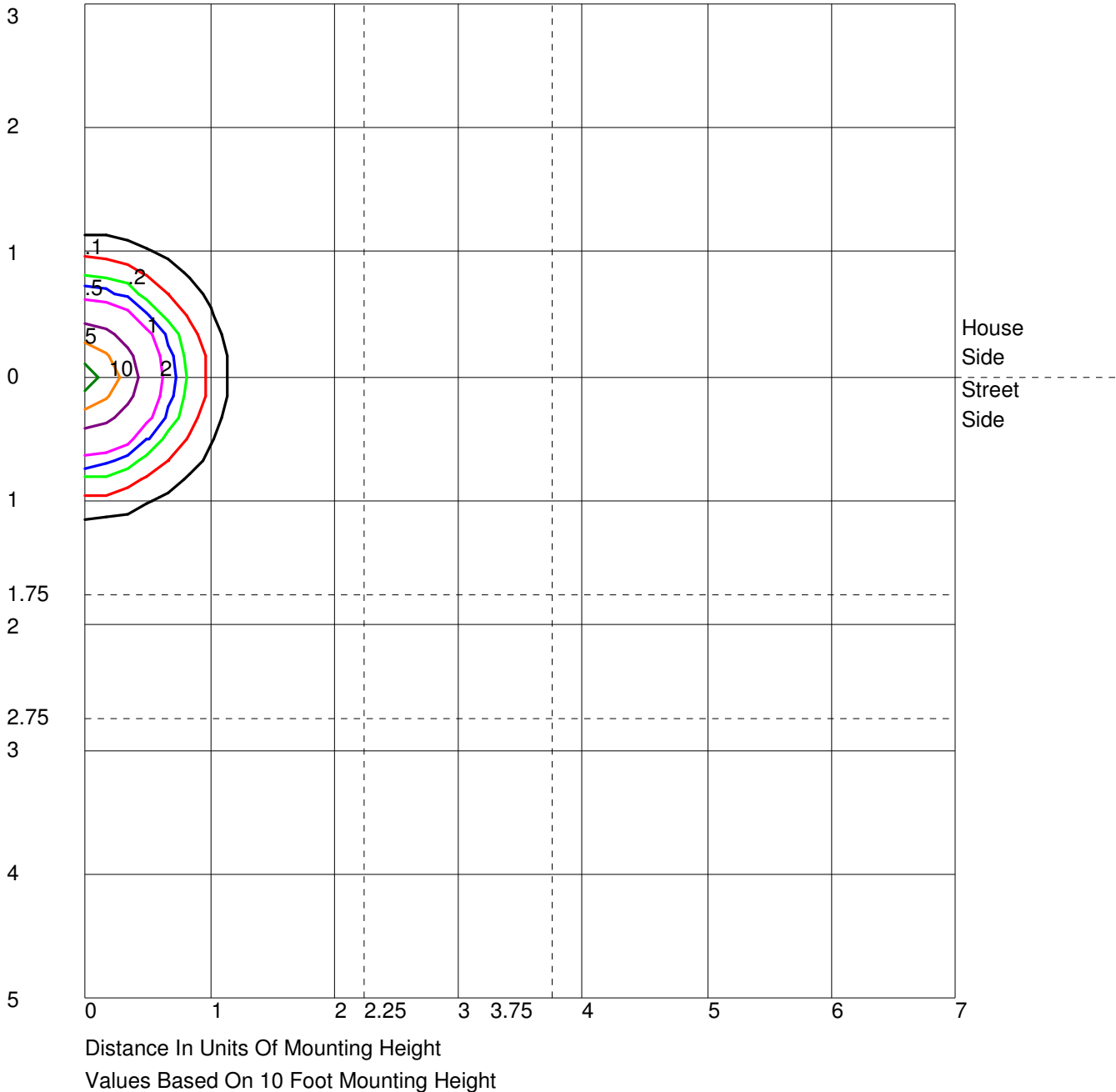


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