

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-850-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-L10-850-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	948
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2794.754
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2794.754
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.086 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.878 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-850-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	371.8	N.A.	39.2
FM - Front-Medium (30-60)	95.0	N.A.	10.0
FH - Front-High (60-80)	7.0	N.A.	0.7
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	371.8	N.A.	39.2
BM - Back-Medium (30-60)	95.0	N.A.	10.0
BH - Back-High (60-80)	7.0	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	948.3	N.A.	100.0
BUG Rating	B1-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-850-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	2794.754	2794.754	2794.754	2794.754	2794.754
1	2776.778	2775.998	2776.480	2776.456	2775.444
2	2727.742	2727.014	2726.675	2726.856	2725.830
3	2649.242	2647.696	2647.392	2647.925	2645.678
4	2541.331	2540.476	2539.054	2539.375	2537.983
5	2406.490	2405.964	2407.745	2407.916	2408.659
6	2254.175	2253.645	2256.309	2259.624	2262.514
7	2089.893	2090.762	2095.817	2101.351	2103.584
8	1919.266	1921.657	1928.210	1936.306	1938.929
9	1752.737	1754.871	1762.751	1773.111	1777.875
10	1594.279	1596.393	1605.505	1616.100	1622.065
11	1446.811	1448.606	1457.266	1468.406	1474.939
12	1312.141	1314.333	1322.490	1333.274	1337.956
13	1192.006	1194.332	1202.944	1214.521	1216.293
14	1086.298	1089.989	1098.543	1105.684	1108.954
15	997.165	997.589	1003.622	1011.560	1015.921
16	913.832	916.390	924.564	931.805	937.506
17	845.889	847.928	852.887	860.172	863.869
18	788.071	789.744	794.125	800.548	803.469
19	739.631	740.924	744.689	749.488	752.539
20	699.242	699.700	702.556	706.181	708.671
21	664.079	663.668	666.018	668.901	671.001
22	634.183	632.264	634.289	636.423	638.506
23	607.389	604.632	606.305	607.734	610.091
24	581.974	579.966	580.462	581.621	584.111
25	558.785	556.900	556.414	557.177	559.147
26	535.842	534.108	532.682	533.499	534.908
27	512.670	510.238	508.549	508.716	510.628
28	486.974	484.153	481.112	481.153	482.979
29	456.476	454.917	451.490	451.616	454.219
30	424.340	422.192	416.056	417.236	419.531
31	384.355	382.405	377.665	377.531	379.991
32	339.526	338.586	334.793	336.315	337.648
33	292.091	291.732	289.270	291.808	293.302
34	244.503	244.845	244.096	247.061	248.416
35	199.979	200.430	201.292	205.027	205.903
36	160.917	161.163	163.783	167.754	168.776
37	128.151	129.677	132.156	136.815	136.678
38	102.616	104.620	107.982	110.489	111.020
39	86.271	85.782	88.665	91.124	91.654
40	71.862	73.035	75.986	77.532	78.948
41	63.407	64.098	65.688	66.749	67.327
42	57.405	57.774	58.968	59.638	59.956
43	52.787	53.023	53.978	54.364	54.709
44	48.933	49.169	49.839	50.167	50.304
45	45.536	45.796	46.398	46.559	46.710
46	42.390	42.667	43.173	43.389	43.512
47	39.421	39.678	40.167	40.386	40.505
48	36.620	36.880	37.342	37.595	37.714
49	34.004	34.236	34.671	34.937	35.050
50	31.541	31.729	32.164	32.423	32.540
51	29.239	29.421	29.821	30.087	30.207
52	27.102	27.256	27.632	27.902	27.994

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53	25.104	25.255	25.600	25.874	25.956
54	23.268	23.401	23.705	23.962	24.051
55	21.523	21.633	21.934	22.156	22.259
56	19.827	19.933	20.213	20.422	20.518
57	18.219	18.325	18.585	18.770	18.866
58	16.773	16.865	17.101	17.269	17.364
59	15.439	15.517	15.729	15.887	15.979
60	14.207	14.283	14.481	14.614	14.700
61	13.093	13.154	13.335	13.455	13.517
62	12.073	12.135	12.289	12.398	12.450
63	11.140	11.194	11.338	11.427	11.468
64	10.298	10.326	10.462	10.538	10.562
65	9.522	9.542	9.665	9.724	9.748
66	8.790	8.814	8.910	8.968	8.978
67	8.116	8.140	8.226	8.270	8.280
68	7.494	7.518	7.586	7.624	7.627
69	6.916	6.922	6.991	7.018	7.015
70	6.368	6.375	6.430	6.450	6.444
71	5.852	5.852	5.896	5.914	5.900
72	5.370	5.356	5.394	5.404	5.400
73	4.891	4.881	4.911	4.915	4.905
74	4.429	4.422	4.443	4.450	4.439
75	3.988	3.978	3.991	4.002	3.988
76	3.550	3.540	3.550	3.557	3.550
77	3.116	3.112	3.126	3.126	3.126
78	2.692	2.688	2.702	2.702	2.709
79	2.268	2.264	2.285	2.288	2.292
80	1.843	1.843	1.864	1.878	1.874
81	1.389	1.402	1.413	1.423	1.416
82	0.807	0.828	0.848	0.845	0.852
83	0.404	0.404	0.438	0.455	0.482
84	0.366	0.366	0.369	0.366	0.366
85	0.339	0.339	0.339	0.339	0.339
86	0.301	0.304	0.304	0.301	0.304
87	0.257	0.257	0.260	0.257	0.257
88	0.198	0.202	0.202	0.198	0.198
89	0.133	0.133	0.133	0.133	0.133
90	0.075	0.079	0.082	0.086	0.086
91	0.072	0.075	0.072	0.072	0.068
92	0.075	0.075	0.075	0.075	0.068
93	0.075	0.075	0.075	0.075	0.068
94	0.075	0.079	0.079	0.075	0.072
95	0.079	0.079	0.079	0.075	0.075
96	0.079	0.082	0.082	0.079	0.082
97	0.086	0.086	0.086	0.086	0.086
98	0.089	0.089	0.086	0.089	0.089
99	0.092	0.096	0.092	0.089	0.092
100	0.092	0.096	0.096	0.092	0.092
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

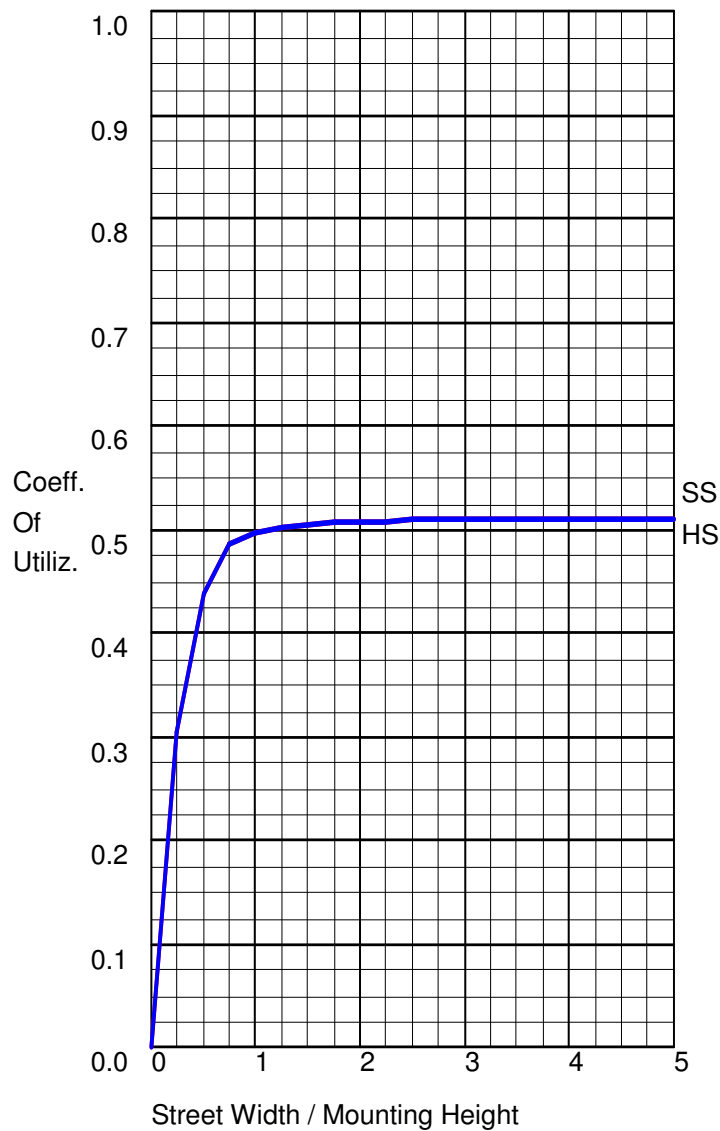
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-850-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L10-850-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

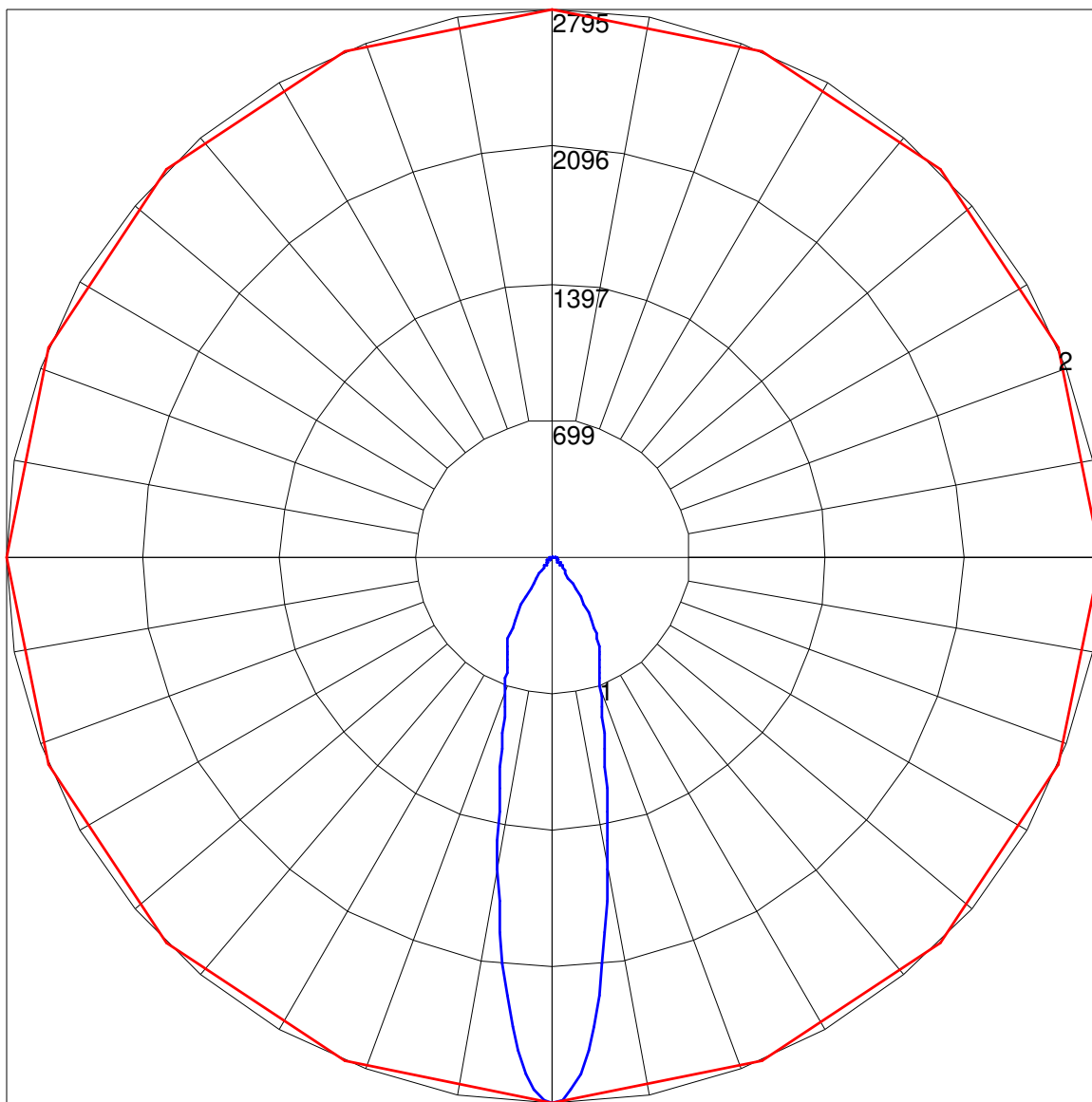
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	474.1	50.0
Downward House Side	474.1	50.0
Downward Total	948.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	948.2	100.0

POLAR GRAPH



Maximum Candela = 2794.754 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

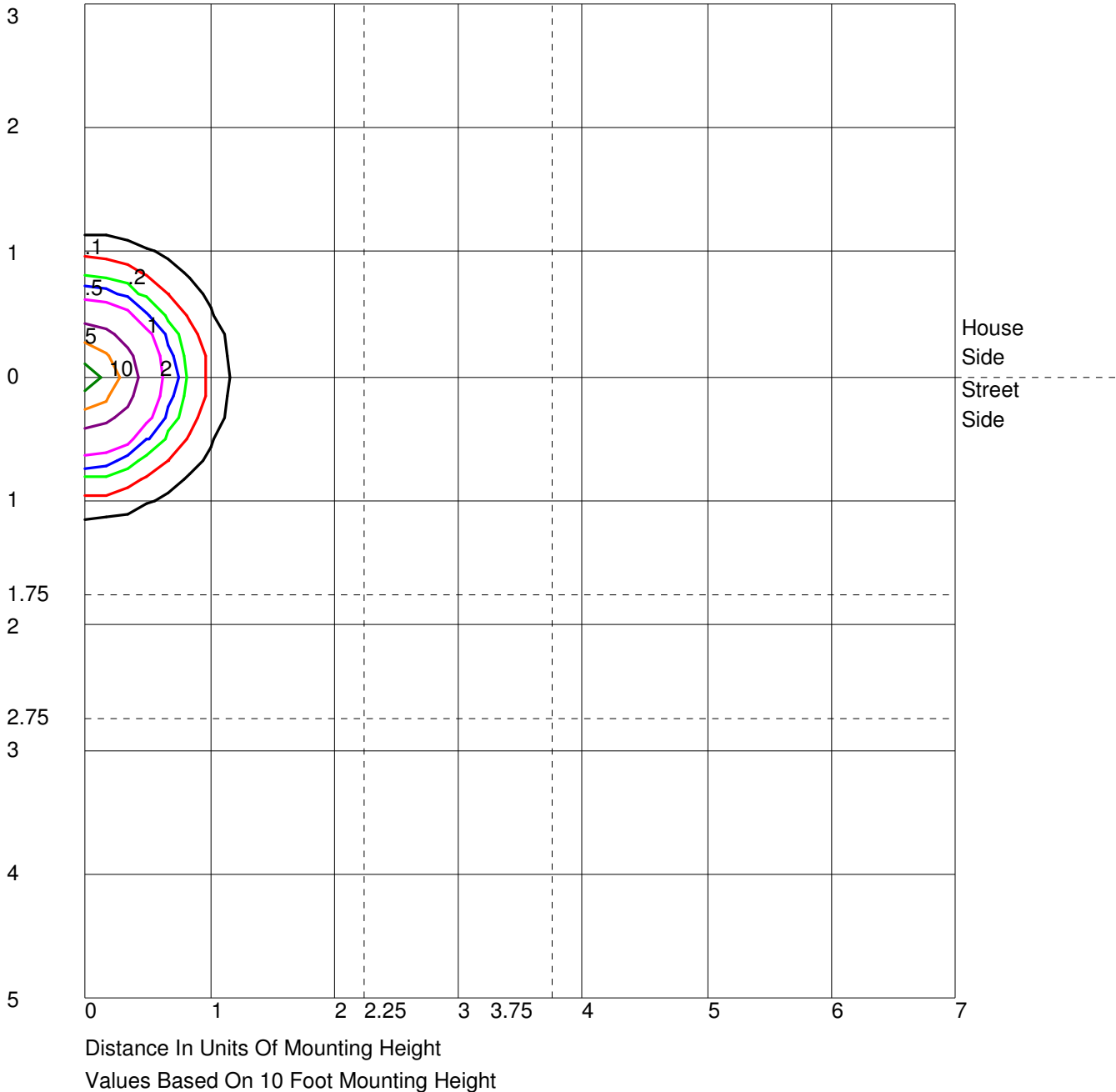


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