

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-940-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-L10-940-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	1036
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10280.006
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10280.006
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.073 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.68 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-940-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	457.9	N.A.	44.2
FM - Front-Medium (30-60)	54.8	N.A.	5.3
FH - Front-High (60-80)	5.0	N.A.	0.5
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	457.9	N.A.	44.2
BM - Back-Medium (30-60)	54.8	N.A.	5.3
BH - Back-High (60-80)	5.0	N.A.	0.5
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	1036.1	N.A.	100.0
BUG Rating	B1-U1-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	0.0	22.5	45.0	67.5	90.0
0	10280.006	10280.006	10280.006	10280.006	10280.006
1	10103.181	10107.190	10107.605	10108.803	10109.861
2	9676.062	9654.218	9688.624	9666.890	9686.212
3	8978.768	8971.686	8978.133	9028.421	9014.957
4	7993.183	8083.501	8102.098	8100.777	8119.634
5	6958.859	6971.042	6997.097	7075.909	7080.896
6	5781.505	5802.417	5904.882	5955.399	6014.682
7	4684.272	4659.840	4756.949	4871.004	4880.552
8	3603.344	3653.828	3758.149	3836.345	3871.260
9	2747.127	2795.252	2876.183	2964.289	3006.576
10	2085.433	2104.206	2200.477	2276.424	2314.256
11	1586.253	1606.659	1682.986	1757.991	1776.179
12	1229.861	1257.334	1315.739	1356.223	1377.777
13	1006.278	1002.795	1038.335	1077.096	1096.018
14	809.320	816.738	850.841	888.919	894.864
15	686.934	691.119	725.528	739.810	766.328
16	600.873	603.472	623.143	640.938	649.774
17	539.830	541.507	556.398	570.693	578.065
18	496.589	497.856	509.304	521.051	526.593
19	467.097	468.261	477.440	485.820	492.134
20	448.876	447.901	454.645	461.192	465.829
21	434.271	434.335	438.523	443.367	447.542
22	424.900	423.975	427.485	430.269	434.617
23	417.175	415.419	418.163	420.479	424.524
24	409.380	407.611	409.261	410.761	414.943
25	400.871	399.547	399.849	401.273	404.926
26	391.040	389.569	389.267	390.568	393.622
27	379.543	377.307	376.515	377.310	380.887
28	364.306	361.764	359.981	360.710	364.572
29	344.442	342.233	338.510	339.704	343.207
30	318.739	316.760	312.162	313.443	316.420
31	286.592	284.972	280.534	281.958	284.886
32	249.159	248.364	244.628	246.864	249.372
33	208.499	208.386	205.868	208.716	211.244
34	167.211	167.816	166.828	170.035	172.061
35	128.643	129.957	129.764	134.415	134.815
36	95.059	95.835	98.183	101.137	102.528
37	68.838	67.527	71.988	74.929	78.206
38	47.457	47.014	50.058	53.085	53.990
39	31.884	34.146	36.315	37.882	38.594
40	23.258	24.379	26.039	28.298	28.171
41	18.510	19.039	20.180	21.069	21.531
42	15.952	16.095	16.827	17.306	17.562
43	14.571	14.591	14.994	15.193	15.340
44	13.799	13.829	13.986	14.026	14.112
45	13.350	13.384	13.407	13.384	13.447
46	13.051	13.071	13.028	12.981	13.034
47	12.815	12.811	12.735	12.685	12.705
48	12.628	12.599	12.492	12.452	12.445
49	12.479	12.422	12.296	12.236	12.216
50	12.362	12.276	12.126	12.053	12.013
51	12.272	12.166	11.976	11.897	11.843
52	12.216	12.076	11.860	11.764	11.697

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CANDELA TABULATION - (Cont.)

53	12.173	12.006	11.760	11.644	11.587
54	12.119	11.933	11.647	11.511	11.444
55	11.940	11.744	11.451	11.294	11.258
56	11.627	11.437	11.128	10.975	10.992
57	11.225	11.068	10.739	10.602	10.666
58	10.772	10.642	10.310	10.193	10.286
59	10.246	10.143	9.827	9.731	9.857
60	9.678	9.584	9.312	9.238	9.372
61	9.082	8.992	8.773	8.719	8.839
62	8.477	8.393	8.227	8.191	8.290
63	7.881	7.808	7.692	7.658	7.731
64	7.299	7.226	7.169	7.139	7.196
65	6.767	6.693	6.677	6.647	6.697
66	6.258	6.198	6.198	6.178	6.218
67	5.792	5.752	5.762	5.745	5.779
68	5.379	5.349	5.366	5.346	5.376
69	5.000	4.980	4.993	4.980	5.000
70	4.651	4.644	4.651	4.638	4.651
71	4.328	4.328	4.331	4.315	4.321
72	4.035	4.025	4.029	4.012	4.012
73	3.749	3.736	3.733	3.716	3.716
74	3.470	3.450	3.450	3.430	3.433
75	3.187	3.167	3.164	3.140	3.150
76	2.898	2.881	2.881	2.858	2.871
77	2.608	2.598	2.595	2.578	2.592
78	2.315	2.299	2.299	2.285	2.302
79	2.003	1.989	1.996	1.986	2.009
80	1.663	1.660	1.663	1.670	1.680
81	1.277	1.284	1.281	1.284	1.284
82	0.729	0.749	0.768	0.762	0.778
83	0.346	0.349	0.389	0.406	0.429
84	0.316	0.316	0.316	0.313	0.313
85	0.293	0.289	0.289	0.286	0.289
86	0.263	0.259	0.259	0.259	0.259
87	0.223	0.223	0.223	0.220	0.220
88	0.176	0.176	0.176	0.173	0.170
89	0.120	0.120	0.116	0.116	0.113
90	0.067	0.070	0.073	0.073	0.073
91	0.067	0.067	0.063	0.060	0.060
92	0.067	0.067	0.063	0.063	0.060
93	0.070	0.070	0.063	0.063	0.060
94	0.073	0.070	0.067	0.063	0.063
95	0.073	0.070	0.067	0.067	0.063
96	0.077	0.070	0.070	0.067	0.067
97	0.077	0.070	0.073	0.070	0.070
98	0.077	0.073	0.073	0.070	0.070
99	0.077	0.073	0.073	0.070	0.073
100	0.077	0.077	0.077	0.073	0.073
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

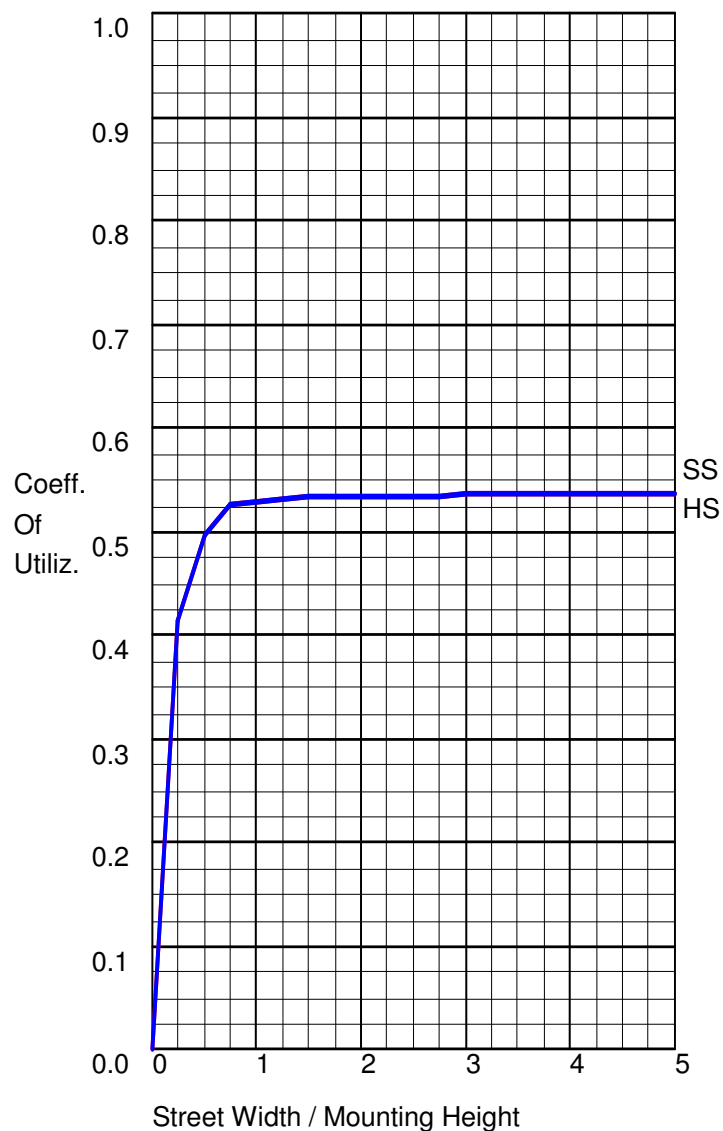
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-940-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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-L10-940-XXX-DIM-UNV-S-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

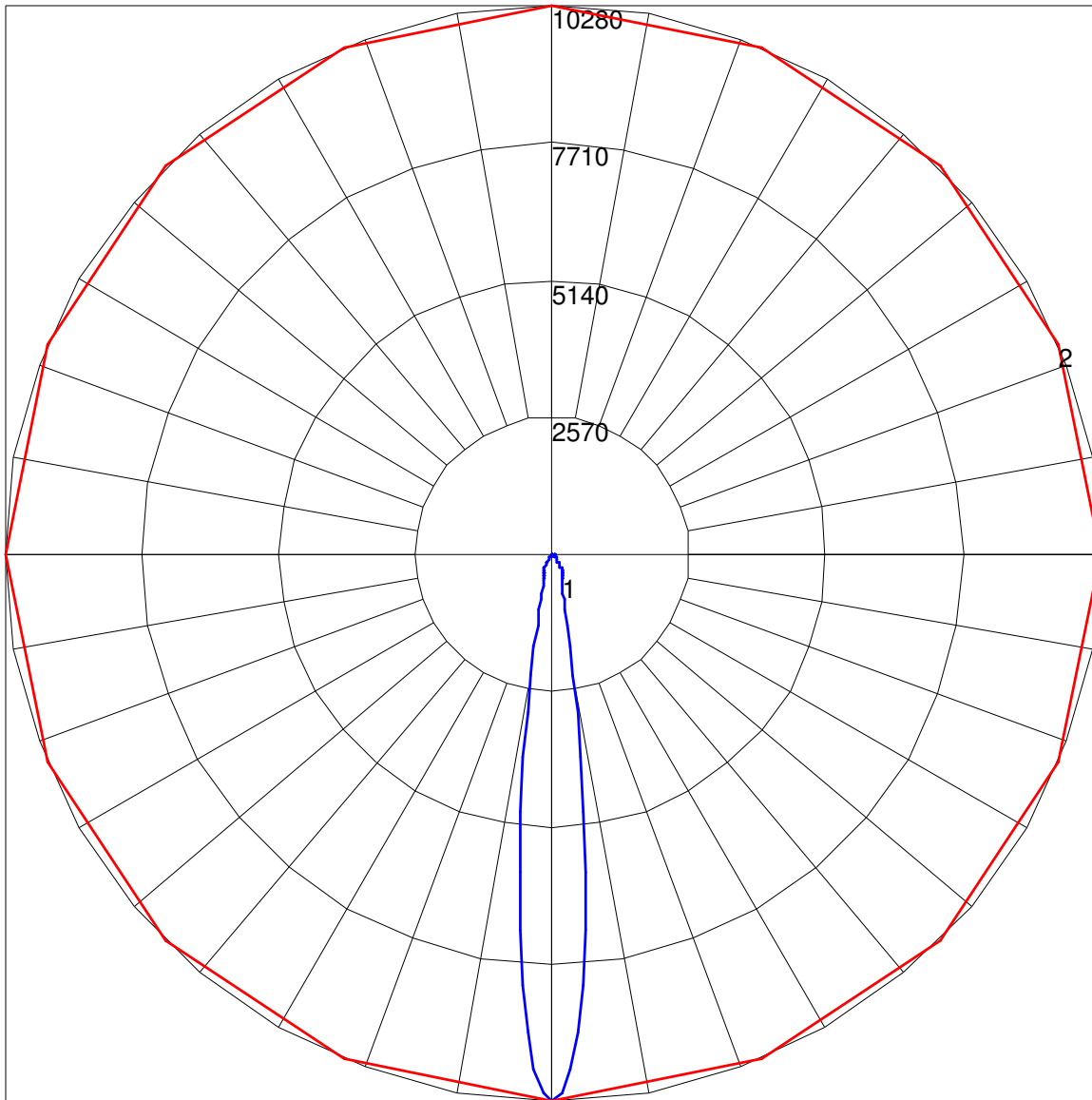
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	517.9	50.0
Downward House Side	517.9	50.0
Downward Total	1035.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1035.8	100.0

POLAR GRAPH



Maximum Candela = 10280.006 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

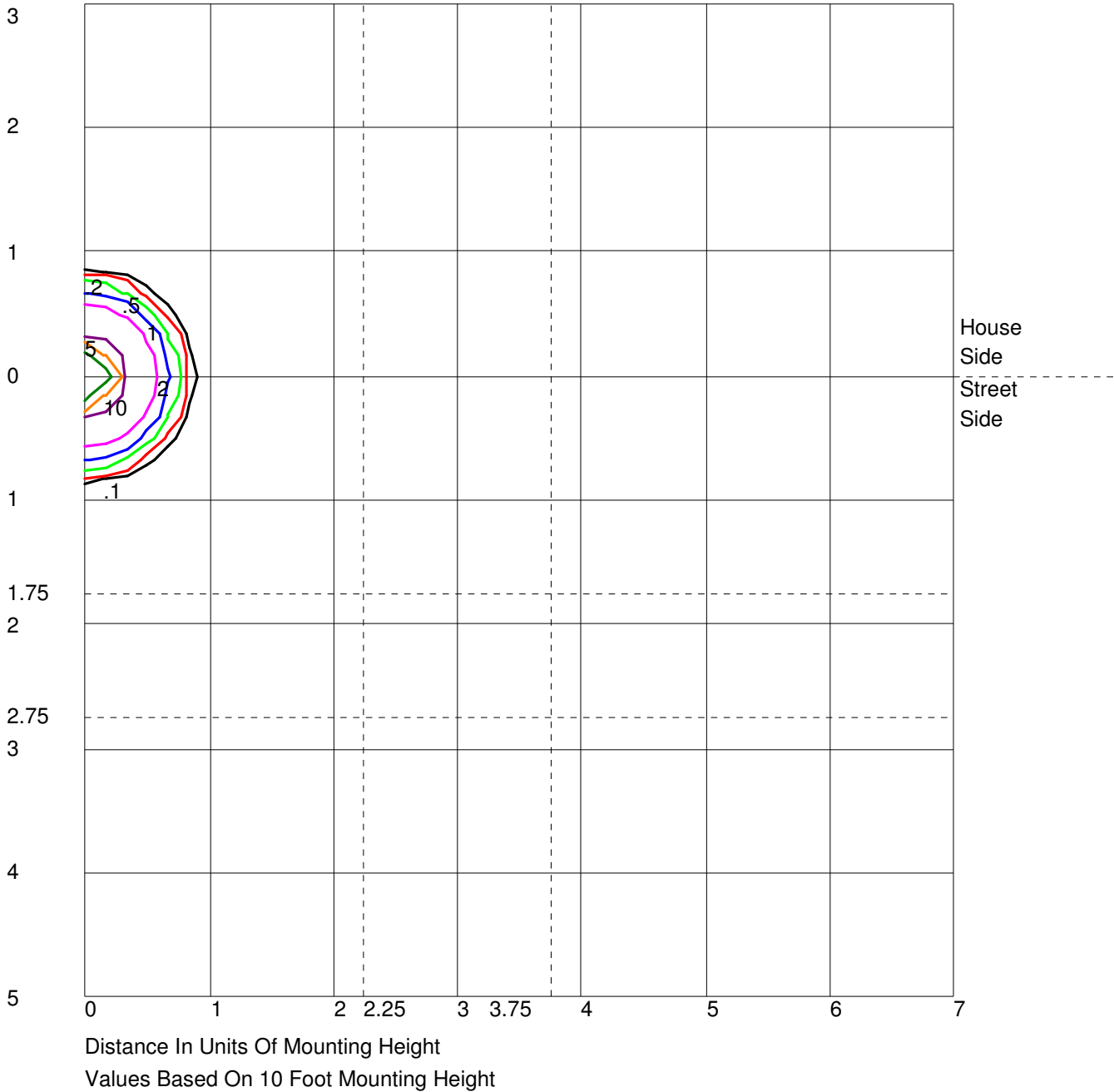


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