

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-827-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-L10-827-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	1047
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10385.986
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10385.986
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.074 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.697 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	462.6	N.A.	44.2
FM - Front-Medium (30-60)	55.3	N.A.	5.3
FH - Front-High (60-80)	5.1	N.A.	0.5
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	462.6	N.A.	44.2
BM - Back-Medium (30-60)	55.3	N.A.	5.3
BH - Back-High (60-80)	5.1	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	1046.7	N.A.	100.0
BUG Rating	B1-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	10385.986	10385.986	10385.986	10385.986	10385.986
1	10207.338	10211.389	10211.809	10213.019	10214.087
2	9775.816	9753.747	9788.508	9766.550	9786.071
3	9071.334	9064.178	9070.692	9121.498	9107.896
4	8075.587	8166.837	8185.626	8184.291	8203.342
5	7030.601	7042.909	7069.233	7148.857	7153.896
6	5841.108	5862.236	5965.757	6016.795	6076.690
7	4732.564	4707.880	4805.990	4921.221	4930.868
8	3640.492	3691.497	3796.893	3875.896	3911.170
9	2775.448	2824.069	2905.834	2994.849	3037.572
10	2106.933	2125.899	2223.162	2299.892	2338.115
11	1602.606	1623.223	1700.336	1776.115	1794.490
12	1242.541	1270.296	1329.303	1370.204	1391.981
13	1016.652	1013.133	1049.040	1088.200	1107.318
14	817.663	825.158	859.613	898.084	904.090
15	694.016	698.244	733.008	747.437	774.228
16	607.068	609.693	629.567	647.545	656.473
17	545.396	547.090	562.134	576.576	584.024
18	501.708	502.989	514.554	526.422	532.022
19	471.912	473.089	482.362	490.828	497.208
20	453.504	452.519	459.332	465.946	470.632
21	438.749	438.812	443.044	447.938	452.156
22	429.280	428.346	431.892	434.705	439.098
23	421.476	419.701	422.474	424.814	428.901
24	413.601	411.813	413.480	414.996	419.221
25	405.003	403.666	403.971	405.410	409.100
26	395.071	393.586	393.280	394.594	397.680
27	383.455	381.197	380.397	381.200	384.813
28	368.062	365.494	363.692	364.428	368.331
29	347.993	345.761	342.000	343.207	346.746
30	322.025	320.025	315.380	316.674	319.682
31	289.547	287.910	283.426	284.865	287.823
32	251.728	250.925	247.150	249.409	251.943
33	210.649	210.535	207.990	210.867	213.422
34	168.935	169.546	168.548	171.788	173.835
35	129.970	131.297	131.102	135.801	136.204
36	96.039	96.823	99.196	102.180	103.585
37	69.547	68.223	72.730	75.702	79.012
38	47.946	47.499	50.574	53.633	54.547
39	32.213	34.498	36.690	38.273	38.992
40	23.497	24.630	26.307	28.589	28.462
41	18.701	19.235	20.388	21.286	21.753
42	16.116	16.261	17.000	17.484	17.743
43	14.722	14.742	15.148	15.350	15.498
44	13.942	13.972	14.130	14.170	14.258
45	13.488	13.522	13.545	13.522	13.585
46	13.186	13.206	13.162	13.115	13.169
47	12.947	12.944	12.866	12.816	12.836
48	12.759	12.728	12.621	12.581	12.574
49	12.607	12.550	12.423	12.362	12.342
50	12.490	12.402	12.251	12.177	12.137
51	12.399	12.291	12.100	12.019	11.965
52	12.342	12.201	11.982	11.885	11.818

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

53	12.298	12.130	11.881	11.764	11.707
54	12.244	12.056	11.767	11.629	11.562
55	12.063	11.865	11.569	11.411	11.374
56	11.747	11.555	11.243	11.088	11.105
57	11.340	11.182	10.850	10.712	10.776
58	10.883	10.752	10.416	10.298	10.392
59	10.352	10.248	9.929	9.831	9.959
60	9.777	9.683	9.408	9.334	9.468
61	9.176	9.085	8.863	8.809	8.930
62	8.564	8.480	8.312	8.275	8.376
63	7.962	7.888	7.771	7.737	7.811
64	7.374	7.300	7.243	7.213	7.270
65	6.836	6.762	6.746	6.715	6.766
66	6.322	6.262	6.262	6.242	6.282
67	5.852	5.811	5.821	5.805	5.838
68	5.435	5.405	5.421	5.401	5.432
69	5.052	5.032	5.045	5.032	5.052
70	4.699	4.692	4.699	4.685	4.699
71	4.373	4.373	4.376	4.359	4.366
72	4.077	4.067	4.070	4.053	4.053
73	3.788	3.774	3.771	3.754	3.754
74	3.506	3.485	3.485	3.465	3.469
75	3.220	3.200	3.196	3.173	3.183
76	2.927	2.911	2.911	2.887	2.901
77	2.635	2.625	2.622	2.605	2.618
78	2.339	2.323	2.323	2.309	2.326
79	2.023	2.010	2.017	2.007	2.030
80	1.681	1.677	1.681	1.687	1.697
81	1.291	1.297	1.294	1.297	1.297
82	0.736	0.756	0.776	0.770	0.786
83	0.350	0.353	0.393	0.410	0.434
84	0.319	0.319	0.319	0.316	0.316
85	0.296	0.292	0.292	0.289	0.292
86	0.266	0.262	0.262	0.262	0.262
87	0.225	0.225	0.225	0.222	0.222
88	0.178	0.178	0.178	0.175	0.171
89	0.121	0.121	0.118	0.118	0.114
90	0.067	0.071	0.074	0.074	0.074
91	0.067	0.067	0.064	0.060	0.060
92	0.067	0.067	0.064	0.064	0.060
93	0.071	0.071	0.064	0.064	0.060
94	0.074	0.071	0.067	0.064	0.064
95	0.074	0.071	0.067	0.067	0.064
96	0.077	0.071	0.071	0.067	0.067
97	0.077	0.071	0.074	0.071	0.071
98	0.077	0.074	0.074	0.071	0.071
99	0.077	0.074	0.074	0.071	0.074
100	0.077	0.077	0.077	0.074	0.074
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

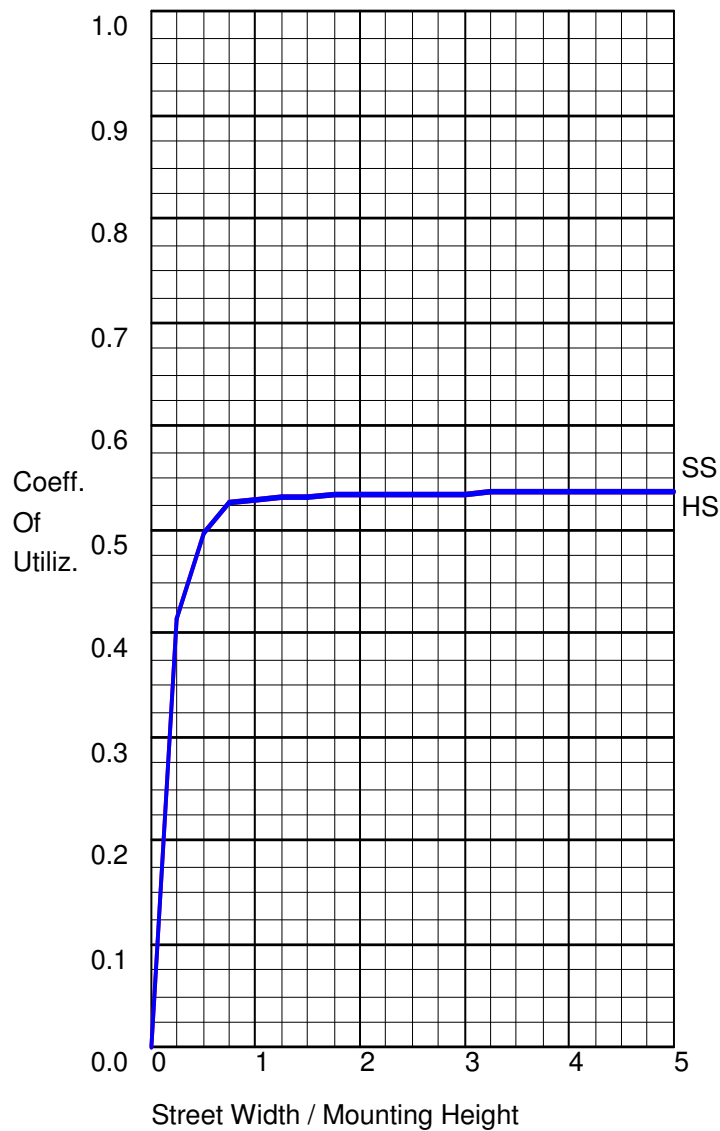
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-827-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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-L10-827-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

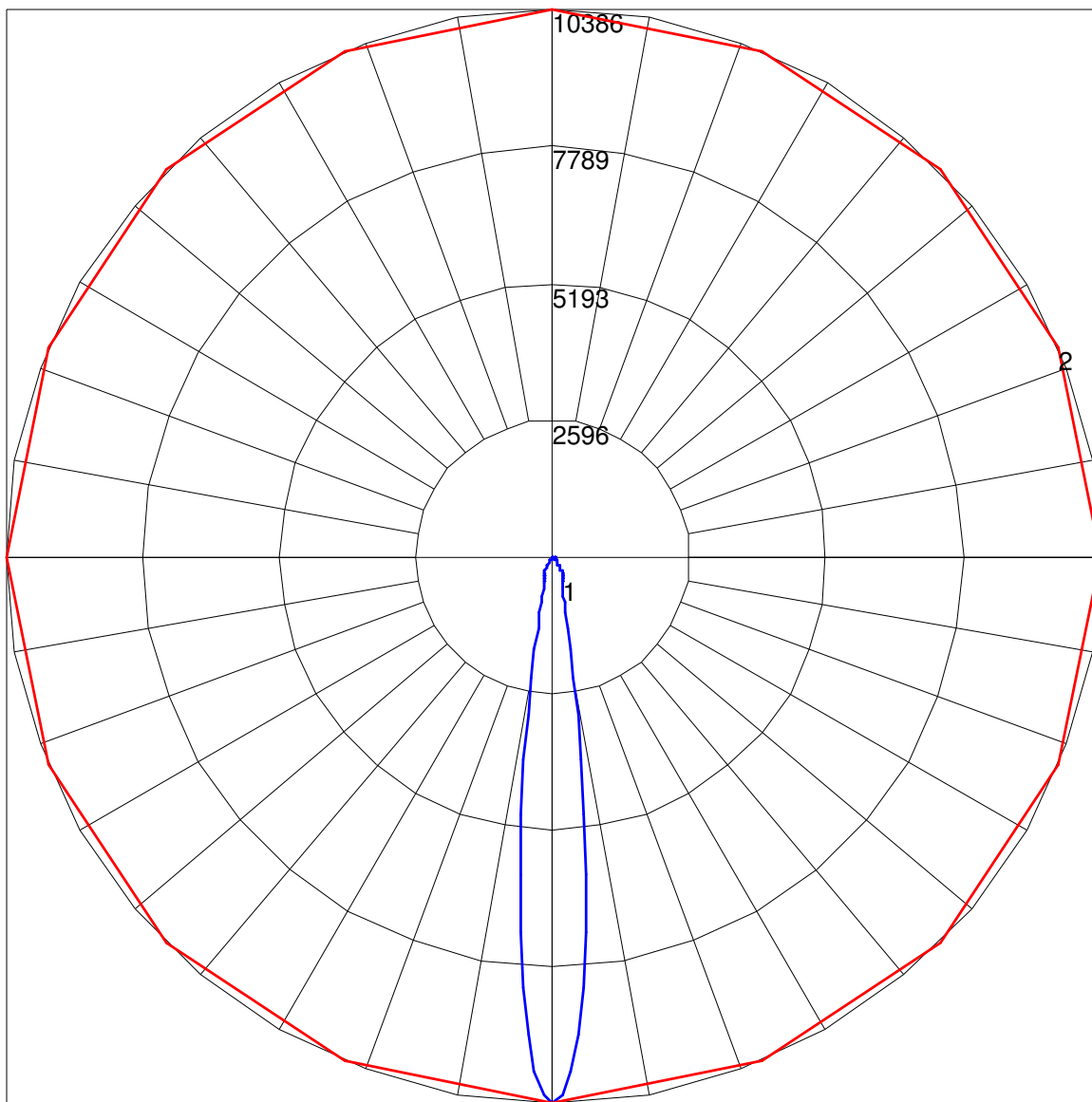
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	523.3	50.0
Downward House Side	523.3	50.0
Downward Total	1046.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1046.6	100.0

POLAR GRAPH



Maximum Candela = 10385.986 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

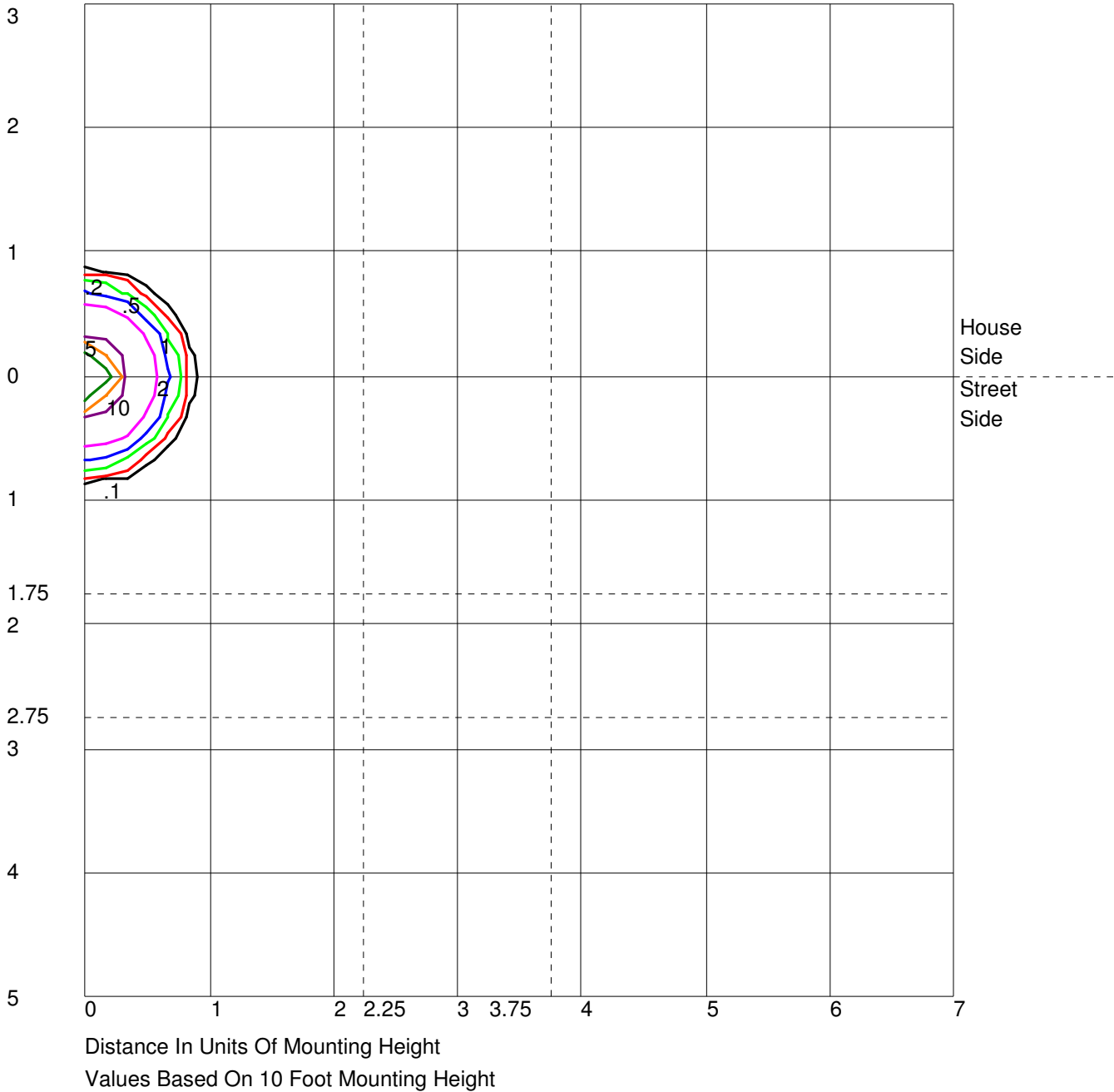


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