

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-850-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-L10-850-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	1057
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10491.966
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10491.966
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.075 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.715 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	467.3	N.A.	44.2
FM - Front-Medium (30-60)	55.9	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)	467.3	N.A.	44.2
BM - Back-Medium (30-60)	55.9	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	1057.3	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	10491.966	10491.966	10491.966	10491.966	10491.966
1	10311.495	10315.587	10316.011	10317.233	10318.313
2	9875.570	9853.276	9888.391	9866.209	9885.929
3	9163.899	9156.670	9163.250	9214.575	9200.834
4	8157.992	8250.173	8269.153	8267.805	8287.050
5	7102.342	7114.776	7141.369	7221.805	7226.895
6	5900.712	5922.055	6026.633	6078.191	6138.697
7	4780.856	4755.920	4855.031	4971.438	4981.183
8	3677.640	3729.165	3835.637	3915.446	3951.080
9	2803.769	2852.887	2935.486	3025.409	3068.568
10	2128.432	2147.592	2245.848	2323.361	2361.973
11	1618.959	1639.787	1717.687	1794.239	1812.801
12	1255.220	1283.259	1342.868	1384.186	1406.185
13	1027.027	1023.472	1059.744	1099.304	1118.617
14	826.007	833.578	868.384	907.248	913.315
15	701.098	705.369	740.487	755.064	782.128
16	613.263	615.914	635.991	654.153	663.171
17	550.961	552.672	567.870	582.460	589.984
18	506.828	508.121	519.805	531.794	537.451
19	476.728	477.916	487.284	495.837	502.281
20	458.131	457.136	464.019	470.701	475.434
21	443.226	443.290	447.565	452.509	456.770
22	433.661	432.717	436.299	439.141	443.579
23	425.777	423.984	426.785	429.148	433.277
24	417.821	416.015	417.699	419.230	423.498
25	409.136	407.785	408.094	409.547	413.275
26	399.103	397.602	397.293	398.621	401.737
27	387.368	385.087	384.278	385.090	388.740
28	371.817	369.223	367.403	368.147	372.089
29	351.544	349.289	345.490	346.709	350.284
30	325.311	323.291	318.598	319.906	322.944
31	292.501	290.848	286.318	287.772	290.760
32	254.297	253.485	249.672	251.954	254.514
33	212.798	212.683	210.113	213.019	215.600
34	170.658	171.276	170.268	173.541	175.609
35	131.296	132.637	132.440	137.187	137.594
36	97.019	97.811	100.208	103.223	104.642
37	70.257	68.919	73.473	76.474	79.818
38	48.435	47.983	51.090	54.180	55.104
39	32.541	34.850	37.064	38.663	39.390
40	23.737	24.881	26.576	28.881	28.752
41	18.892	19.432	20.596	21.503	21.975
42	16.281	16.427	17.174	17.663	17.924
43	14.872	14.892	15.303	15.507	15.656
44	14.084	14.115	14.274	14.315	14.403
45	13.626	13.660	13.683	13.660	13.724
46	13.320	13.340	13.296	13.249	13.303
47	13.079	13.076	12.997	12.947	12.967
48	12.889	12.858	12.750	12.709	12.702
49	12.736	12.678	12.549	12.488	12.468
50	12.617	12.529	12.376	12.301	12.261
51	12.526	12.417	12.223	12.142	12.088
52	12.468	12.325	12.105	12.006	11.938

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CANDELA TABULATION - (Cont.)

53	12.424	12.254	12.003	11.884	11.826
54	12.369	12.179	11.887	11.748	11.680
55	12.186	11.986	11.687	11.527	11.490
56	11.867	11.673	11.358	11.201	11.218
57	11.456	11.296	10.960	10.821	10.886
58	10.994	10.862	10.522	10.403	10.499
59	10.458	10.353	10.030	9.931	10.060
60	9.877	9.782	9.504	9.429	9.565
61	9.269	9.178	8.954	8.899	9.022
62	8.651	8.567	8.397	8.359	8.461
63	8.044	7.969	7.850	7.816	7.891
64	7.449	7.375	7.317	7.286	7.344
65	6.906	6.831	6.815	6.784	6.835
66	6.387	6.326	6.326	6.305	6.346
67	5.911	5.871	5.881	5.864	5.898
68	5.490	5.460	5.477	5.456	5.487
69	5.103	5.083	5.096	5.083	5.103
70	4.747	4.740	4.747	4.733	4.747
71	4.417	4.417	4.421	4.404	4.411
72	4.119	4.108	4.112	4.095	4.095
73	3.827	3.813	3.810	3.793	3.793
74	3.541	3.521	3.521	3.501	3.504
75	3.253	3.232	3.229	3.205	3.215
76	2.957	2.940	2.940	2.917	2.930
77	2.662	2.652	2.648	2.631	2.645
78	2.363	2.346	2.346	2.333	2.350
79	2.044	2.030	2.037	2.027	2.051
80	1.698	1.694	1.698	1.704	1.715
81	1.304	1.311	1.307	1.311	1.311
82	0.744	0.764	0.784	0.778	0.795
83	0.353	0.357	0.397	0.414	0.438
84	0.323	0.323	0.323	0.319	0.319
85	0.299	0.295	0.295	0.292	0.295
86	0.268	0.265	0.265	0.265	0.265
87	0.227	0.227	0.227	0.224	0.224
88	0.180	0.180	0.180	0.177	0.173
89	0.122	0.122	0.119	0.119	0.115
90	0.068	0.071	0.075	0.075	0.075
91	0.068	0.068	0.065	0.061	0.061
92	0.068	0.068	0.065	0.065	0.061
93	0.071	0.071	0.065	0.065	0.061
94	0.075	0.071	0.068	0.065	0.065
95	0.075	0.071	0.068	0.068	0.065
96	0.078	0.071	0.071	0.068	0.068
97	0.078	0.071	0.075	0.071	0.071
98	0.078	0.075	0.075	0.071	0.071
99	0.078	0.075	0.075	0.071	0.075
100	0.078	0.078	0.078	0.075	0.075
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

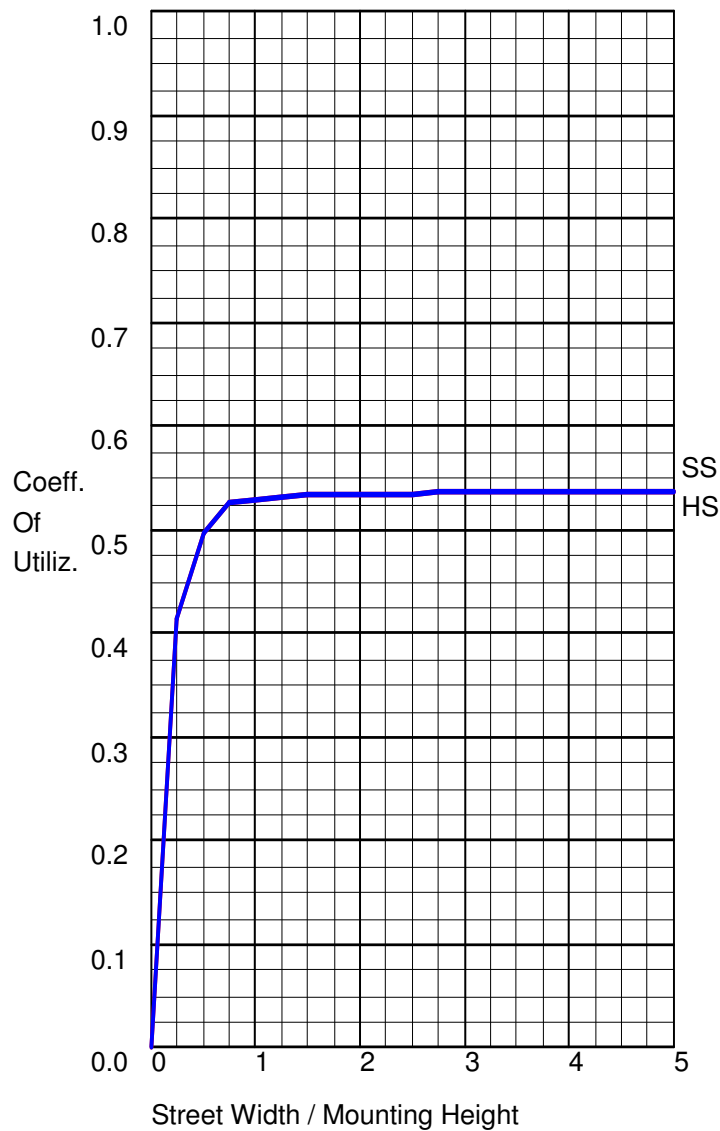
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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

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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

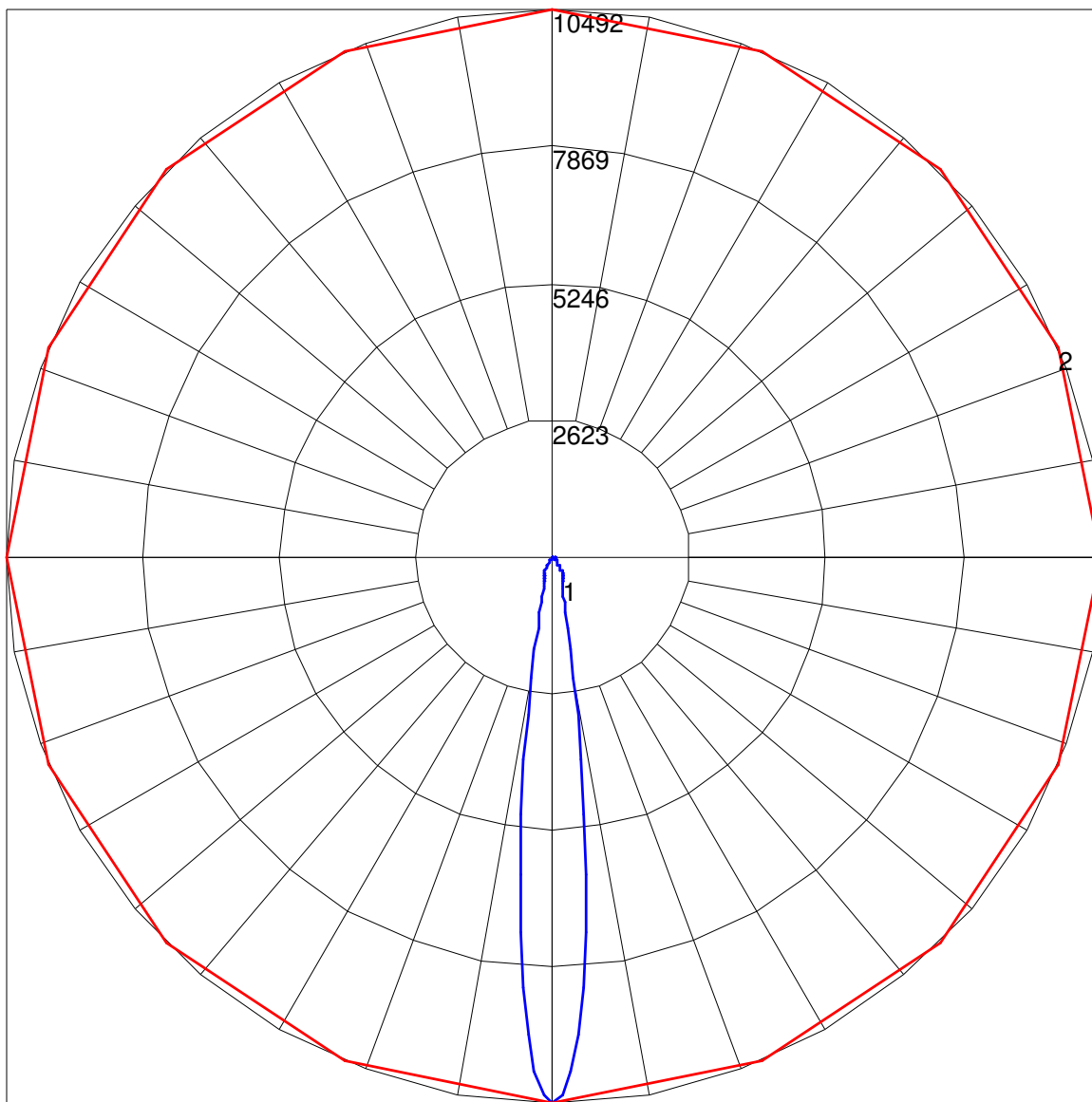
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	528.6	50.0
Downward House Side	528.6	50.0
Downward Total	1057.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1057.2	100.0

POLAR GRAPH



Maximum Candela = 10491.966 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

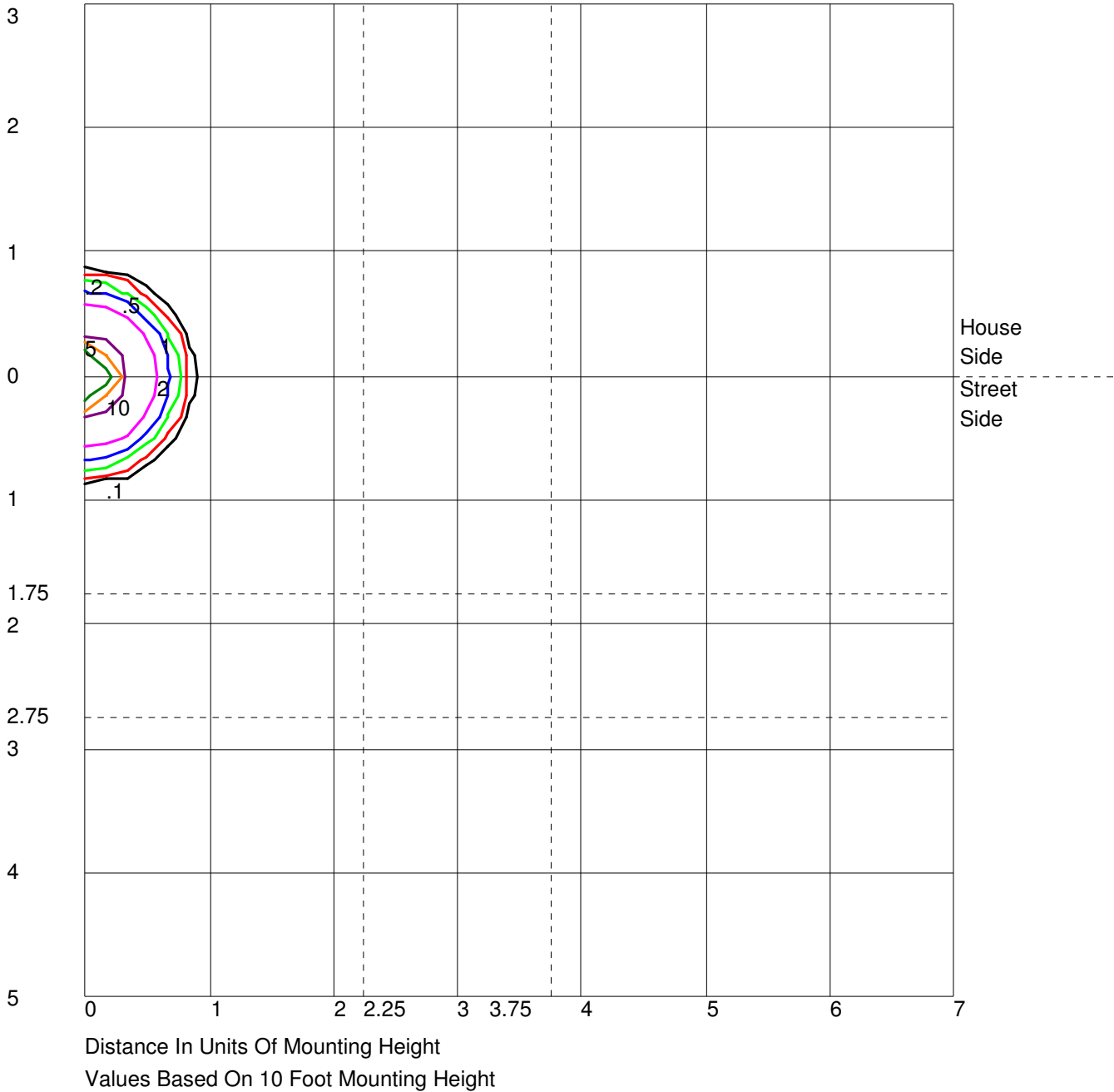


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