

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-827-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-L20-827-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	1883
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5550.375
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	5550.375
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.17 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.729 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-827-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	738.3	N.A.	39.2
FM - Front-Medium (30-60)	188.8	N.A.	10.0
FH - Front-High (60-80)	13.9	N.A.	0.7
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	738.3	N.A.	39.2
BM - Back-Medium (30-60)	188.8	N.A.	10.0
BH - Back-High (60-80)	13.9	N.A.	0.7
BVH - Back-Very High (80-90)	0.6	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	1883.4	N.A.	100.0
BUG Rating	B2-U1-G0		

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Vert. Angles	Horizontal Angles				
	0.0	22.5	45.0	67.5	90.0
0	5550.375	5550.375	5550.375	5550.375	5550.375
1	5514.674	5513.125	5514.083	5514.035	5512.024
2	5417.290	5415.843	5415.170	5415.530	5413.493
3	5261.388	5258.318	5257.713	5258.773	5254.310
4	5047.078	5045.380	5042.554	5043.193	5040.428
5	4779.284	4778.238	4781.777	4782.116	4783.590
6	4476.787	4475.734	4481.025	4487.607	4493.347
7	4150.522	4152.248	4162.287	4173.277	4177.713
8	3811.658	3816.406	3829.421	3845.498	3850.708
9	3480.931	3485.170	3500.820	3521.394	3530.856
10	3166.235	3170.433	3188.528	3209.571	3221.417
11	2873.363	2876.929	2894.128	2916.251	2929.224
12	2605.908	2610.262	2626.462	2647.879	2657.178
13	2367.322	2371.941	2389.044	2412.037	2415.555
14	2157.386	2164.715	2181.703	2195.886	2202.379
15	1980.367	1981.209	1993.191	2008.956	2017.617
16	1814.867	1819.948	1836.182	1850.562	1861.885
17	1679.934	1683.983	1693.832	1708.300	1715.643
18	1565.107	1568.429	1577.130	1589.886	1595.687
19	1468.905	1471.473	1478.951	1488.481	1494.540
20	1388.692	1389.603	1395.274	1402.474	1407.419
21	1318.859	1318.044	1322.710	1328.436	1332.607
22	1259.486	1255.675	1259.696	1263.935	1268.071
23	1206.273	1200.798	1204.120	1206.959	1211.639
24	1155.798	1151.811	1152.796	1155.098	1160.043
25	1109.745	1106.002	1105.038	1106.552	1110.465
26	1064.181	1060.737	1057.905	1059.528	1062.326
27	1018.162	1013.332	1009.977	1010.309	1014.106
28	967.130	961.526	955.487	955.569	959.196
29	906.561	903.463	896.657	896.909	902.078
30	842.739	838.473	826.287	828.631	833.188
31	763.327	759.456	750.041	749.776	754.660
32	674.298	672.430	664.897	667.920	670.569
33	580.093	579.380	574.489	579.529	582.498
34	485.582	486.261	484.774	490.663	493.353
35	397.157	398.054	399.766	407.183	408.922
36	319.580	320.069	325.272	333.158	335.189
37	254.508	257.538	262.462	271.714	271.442
38	203.795	207.776	214.453	219.432	220.485
39	171.334	170.363	176.089	180.973	182.025
40	142.717	145.047	150.909	153.979	156.791
41	125.926	127.298	130.457	132.562	133.710
42	114.005	114.739	117.109	118.441	119.073
43	104.835	105.304	107.199	107.967	108.653
44	97.180	97.649	98.980	99.632	99.904
45	90.435	90.952	92.147	92.466	92.765
46	84.186	84.736	85.742	86.170	86.414
47	78.290	78.800	79.771	80.206	80.444
48	72.727	73.244	74.161	74.663	74.901
49	67.531	67.993	68.856	69.385	69.610
50	62.640	63.014	63.877	64.393	64.624
51	58.069	58.429	59.224	59.754	59.991
52	53.824	54.129	54.877	55.413	55.597

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-827-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	49.857	50.156	50.842	51.385	51.548
54	46.209	46.474	47.079	47.588	47.765
55	42.745	42.963	43.560	44.002	44.206
56	39.376	39.587	40.144	40.558	40.748
57	36.184	36.394	36.910	37.277	37.467
58	33.310	33.494	33.962	34.295	34.486
59	30.661	30.818	31.239	31.551	31.735
60	28.216	28.365	28.759	29.024	29.194
61	26.002	26.124	26.484	26.722	26.844
62	23.978	24.100	24.405	24.623	24.725
63	22.123	22.232	22.517	22.694	22.775
64	20.452	20.507	20.778	20.928	20.975
65	18.910	18.951	19.196	19.311	19.359
66	17.457	17.504	17.694	17.810	17.830
67	16.119	16.166	16.336	16.424	16.445
68	14.882	14.930	15.066	15.140	15.147
69	13.734	13.748	13.884	13.938	13.931
70	12.648	12.661	12.770	12.811	12.797
71	11.622	11.622	11.710	11.744	11.717
72	10.664	10.637	10.712	10.732	10.725
73	9.713	9.693	9.754	9.761	9.740
74	8.796	8.783	8.823	8.837	8.817
75	7.920	7.900	7.927	7.947	7.920
76	7.051	7.030	7.051	7.064	7.051
77	6.188	6.181	6.208	6.208	6.208
78	5.346	5.339	5.366	5.366	5.380
79	4.503	4.497	4.537	4.544	4.551
80	3.661	3.661	3.702	3.729	3.722
81	2.758	2.785	2.805	2.826	2.812
82	1.603	1.644	1.685	1.678	1.691
83	0.802	0.802	0.869	0.903	0.958
84	0.727	0.727	0.734	0.727	0.727
85	0.672	0.672	0.672	0.672	0.672
86	0.598	0.605	0.605	0.598	0.605
87	0.509	0.509	0.516	0.509	0.509
88	0.394	0.401	0.401	0.394	0.394
89	0.265	0.265	0.265	0.265	0.265
90	0.149	0.156	0.163	0.170	0.170
91	0.143	0.149	0.143	0.143	0.136
92	0.149	0.149	0.149	0.149	0.136
93	0.149	0.149	0.149	0.149	0.136
94	0.149	0.156	0.156	0.149	0.143
95	0.156	0.156	0.156	0.149	0.149
96	0.156	0.163	0.163	0.156	0.163
97	0.170	0.170	0.170	0.170	0.170
98	0.177	0.177	0.170	0.177	0.177
99	0.183	0.190	0.183	0.177	0.183
100	0.183	0.190	0.190	0.183	0.183
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

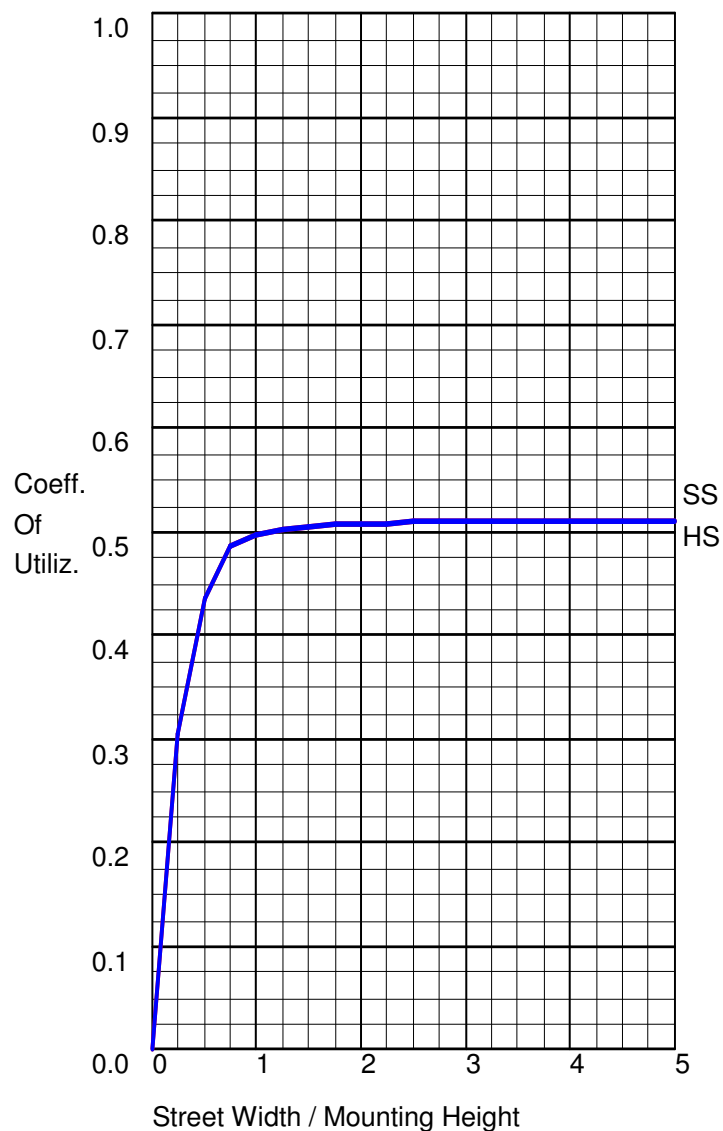
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-827-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L20-827-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

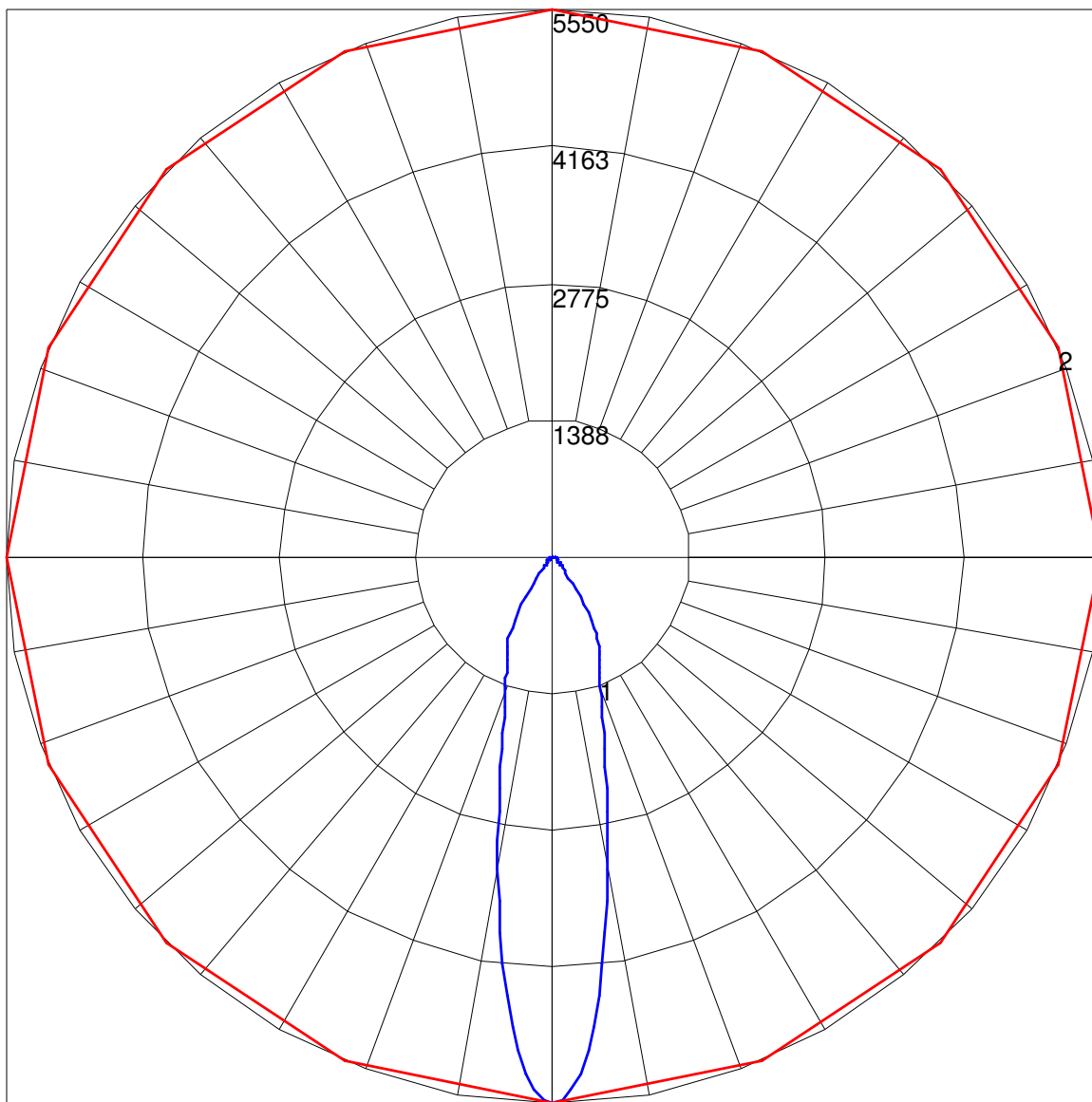
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	941.6	50.0
Downward House Side	941.6	50.0
Downward Total	1883.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1883.4	100.0

POLAR GRAPH



Maximum Candela = 5550.375 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

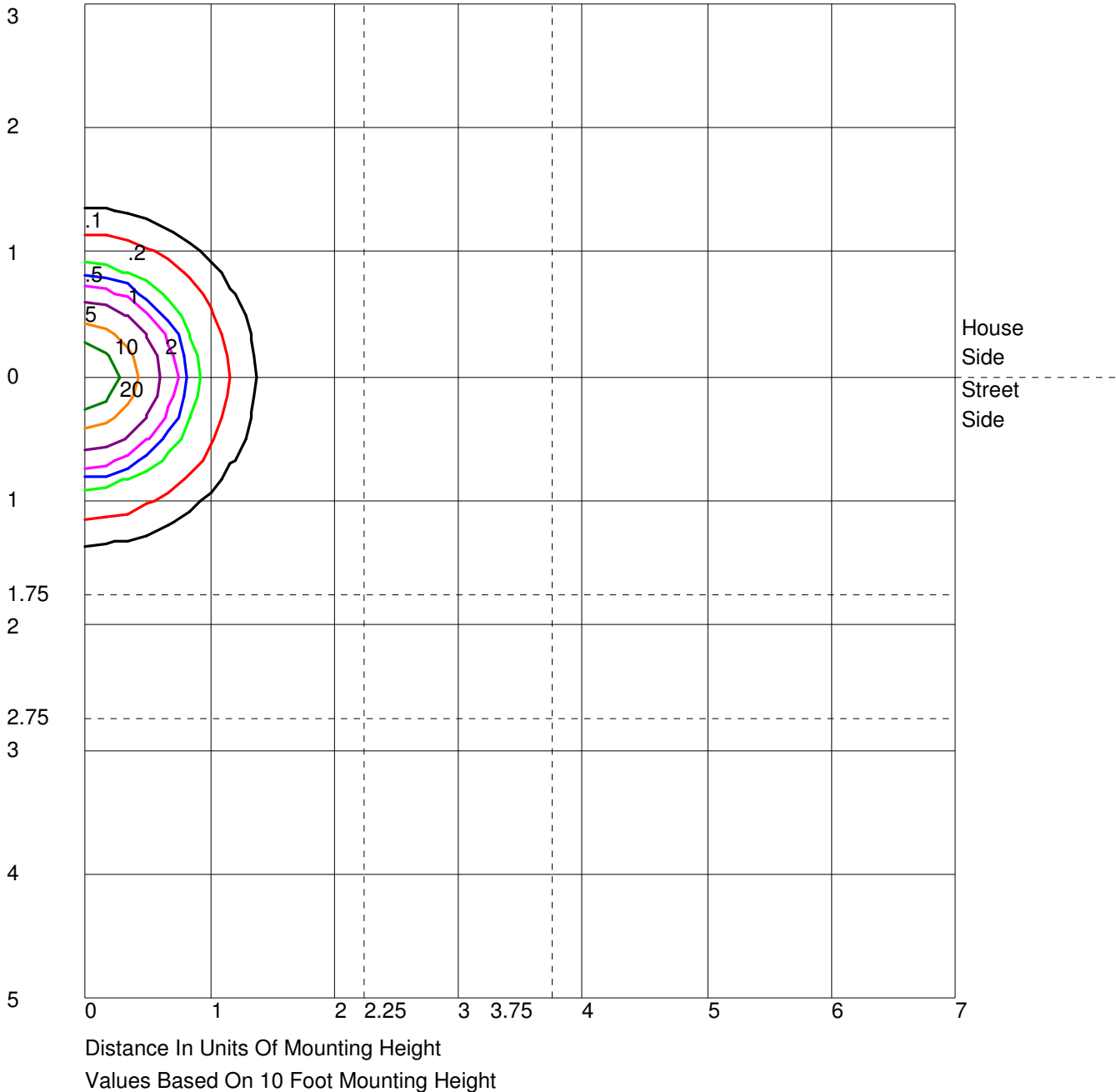


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