

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-935-XXX-DIM-UNV-M-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-W_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L20-935-xxx-DIM-UNV-M-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH MEDIUM DIST.
[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	1899
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	4042.968
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	4042.968
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.145 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.154 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-935-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	795.3	N.A.	41.9
FM - Front-Medium (30-60)	143.7	N.A.	7.6
FH - Front-High (60-80)	10.0	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	795.3	N.A.	41.9
BM - Back-Medium (30-60)	143.7	N.A.	7.6
BH - Back-High (60-80)	10.0	N.A.	0.5
BVH - Back-Very High (80-90)	0.5	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	1899.1	N.A.	100.0
BUG Rating	B2-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	4033.802	4033.802	4033.802	4033.802	4033.802
1	4038.988	4038.887	4037.064	4035.764	4034.130
2	4042.968	4040.451	4035.474	4030.717	4025.878
3	4040.760	4037.701	4028.768	4019.873	4012.113
4	4033.707	4027.191	4013.684	4000.423	3992.393
5	4008.372	4000.449	3982.621	3964.578	3955.689
6	3964.149	3953.639	3929.263	3907.063	3895.745
7	3890.326	3877.457	3850.147	3827.840	3811.261
8	3787.143	3774.412	3746.995	3726.474	3705.340
9	3654.095	3644.431	3620.950	3602.296	3580.563
10	3495.567	3493.006	3473.393	3458.870	3442.474
11	3318.978	3320.965	3309.067	3298.740	3284.445
12	3133.480	3134.629	3130.389	3127.134	3113.451
13	2942.425	2943.775	2946.999	2947.504	2934.571
14	2746.292	2747.554	2758.158	2762.177	2751.131
15	2549.912	2552.467	2566.460	2574.226	2565.211
16	2357.097	2360.788	2375.241	2385.953	2379.190
17	2169.928	2178.110	2188.198	2202.354	2196.393
18	1992.657	2001.407	2011.072	2023.493	2019.860
19	1827.177	1833.258	1845.207	1856.247	1851.023
20	1678.616	1678.762	1690.603	1702.173	1698.482
21	1536.730	1537.058	1547.644	1559.347	1554.148
22	1412.250	1409.878	1421.063	1430.791	1428.078
23	1304.411	1300.638	1311.199	1318.498	1318.473
24	1209.416	1206.167	1214.589	1220.311	1220.766
25	1125.128	1123.424	1128.440	1134.048	1133.720
26	1051.431	1048.952	1050.964	1056.465	1054.144
27	982.409	978.712	979.929	983.544	982.705
28	914.547	909.942	908.510	912.661	918.137
29	843.532	840.504	837.558	839.797	842.466
30	771.160	765.425	759.754	764.296	765.779
31	687.350	683.490	678.184	680.884	682.985
32	598.299	596.362	591.019	596.034	596.494
33	505.670	504.982	501.513	506.818	508.017
34	414.025	414.524	413.167	418.649	419.400
35	329.465	329.863	330.418	337.111	337.174
36	255.825	257.566	259.131	266.821	265.837
37	194.645	197.004	201.187	205.521	205.641
38	151.645	148.882	153.828	160.023	158.762
39	114.292	116.362	122.601	123.541	127.610
40	93.367	93.909	96.786	99.429	100.931
41	77.980	79.475	81.463	82.081	82.724
42	68.290	68.650	70.107	71.318	70.788
43	61.187	61.496	62.423	62.575	62.404
44	55.654	56.033	56.550	56.430	56.115
45	51.049	51.472	51.781	51.497	51.200
46	46.993	47.371	47.630	47.276	46.980
47	43.226	43.611	43.832	43.491	43.119
48	39.832	40.192	40.394	40.059	39.675
49	36.792	37.088	37.265	36.943	36.539
50	34.016	34.243	34.420	34.110	33.726
51	31.524	31.732	31.865	31.581	31.221
52	29.297	29.461	29.556	29.322	28.956

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-935-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	27.322	27.430	27.518	27.316	26.957
54	25.550	25.632	25.695	25.493	25.178
55	23.916	23.960	24.029	23.827	23.563
56	22.339	22.402	22.433	22.276	22.061
57	20.919	20.963	20.982	20.844	20.673
58	19.664	19.695	19.708	19.575	19.418
59	18.535	18.547	18.541	18.421	18.289
60	17.506	17.500	17.494	17.380	17.267
61	16.566	16.541	16.528	16.421	16.314
62	15.696	15.670	15.639	15.538	15.431
63	14.895	14.850	14.819	14.712	14.604
64	14.106	14.068	14.030	13.923	13.822
65	13.362	13.330	13.280	13.179	13.078
66	12.630	12.598	12.535	12.441	12.340
67	11.923	11.892	11.829	11.728	11.639
68	11.229	11.198	11.135	11.027	10.945
69	10.535	10.510	10.447	10.346	10.251
70	9.860	9.822	9.766	9.671	9.570
71	9.185	9.135	9.084	8.996	8.901
72	8.504	8.453	8.409	8.321	8.245
73	7.823	7.778	7.734	7.659	7.570
74	7.141	7.110	7.059	6.996	6.933
75	6.479	6.454	6.403	6.346	6.290
76	5.810	5.798	5.747	5.703	5.659
77	5.160	5.148	5.110	5.078	5.041
78	4.498	4.492	4.473	4.435	4.429
79	3.836	3.829	3.817	3.804	3.798
80	3.142	3.154	3.142	3.154	3.129
81	2.378	2.404	2.385	2.385	2.359
82	1.344	1.375	1.394	1.407	1.419
83	0.606	0.618	0.700	0.751	0.807
84	0.555	0.561	0.561	0.555	0.555
85	0.511	0.511	0.511	0.511	0.511
86	0.454	0.454	0.461	0.454	0.454
87	0.385	0.385	0.385	0.391	0.385
88	0.297	0.303	0.303	0.303	0.297
89	0.202	0.208	0.208	0.208	0.208
90	0.120	0.126	0.139	0.145	0.145
91	0.120	0.126	0.126	0.126	0.120
92	0.120	0.120	0.126	0.126	0.126
93	0.120	0.126	0.126	0.126	0.126
94	0.120	0.126	0.126	0.126	0.126
95	0.126	0.126	0.126	0.132	0.126
96	0.126	0.126	0.132	0.132	0.126
97	0.126	0.132	0.132	0.132	0.126
98	0.126	0.139	0.139	0.132	0.132
99	0.132	0.139	0.139	0.139	0.132
100	0.132	0.139	0.139	0.139	0.132
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

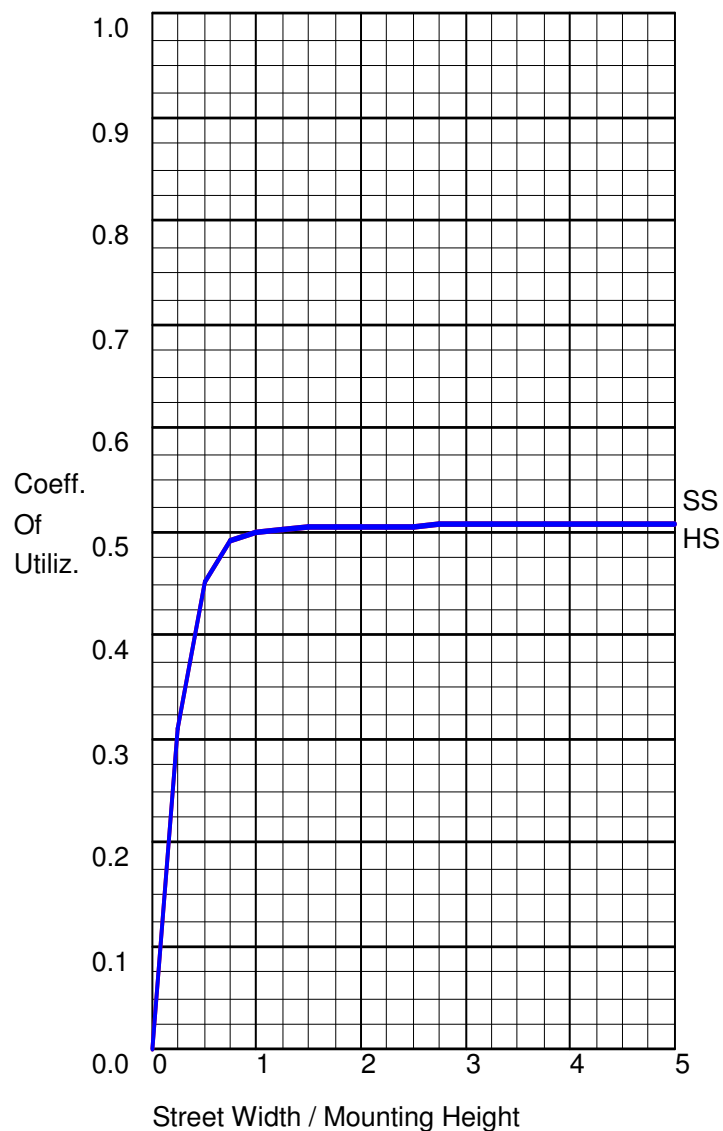
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-935-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L20-935-XXX-DIM-UNV-M-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

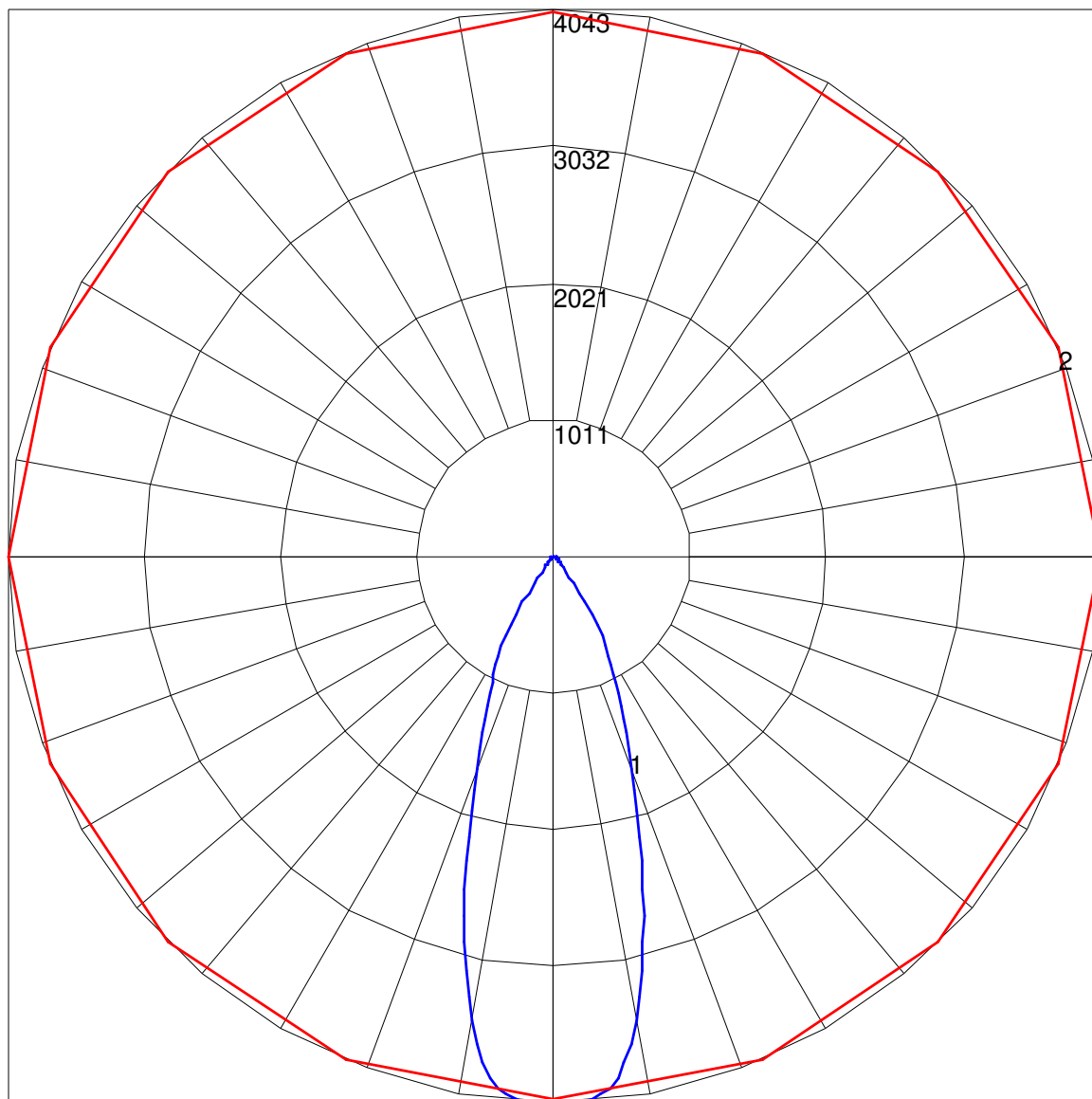
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	949.4	50.0
Downward House Side	949.4	50.0
Downward Total	1898.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1899.0	100.0

POLAR GRAPH



Maximum Candela = 4042.968 Located At Horizontal Angle = 0, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

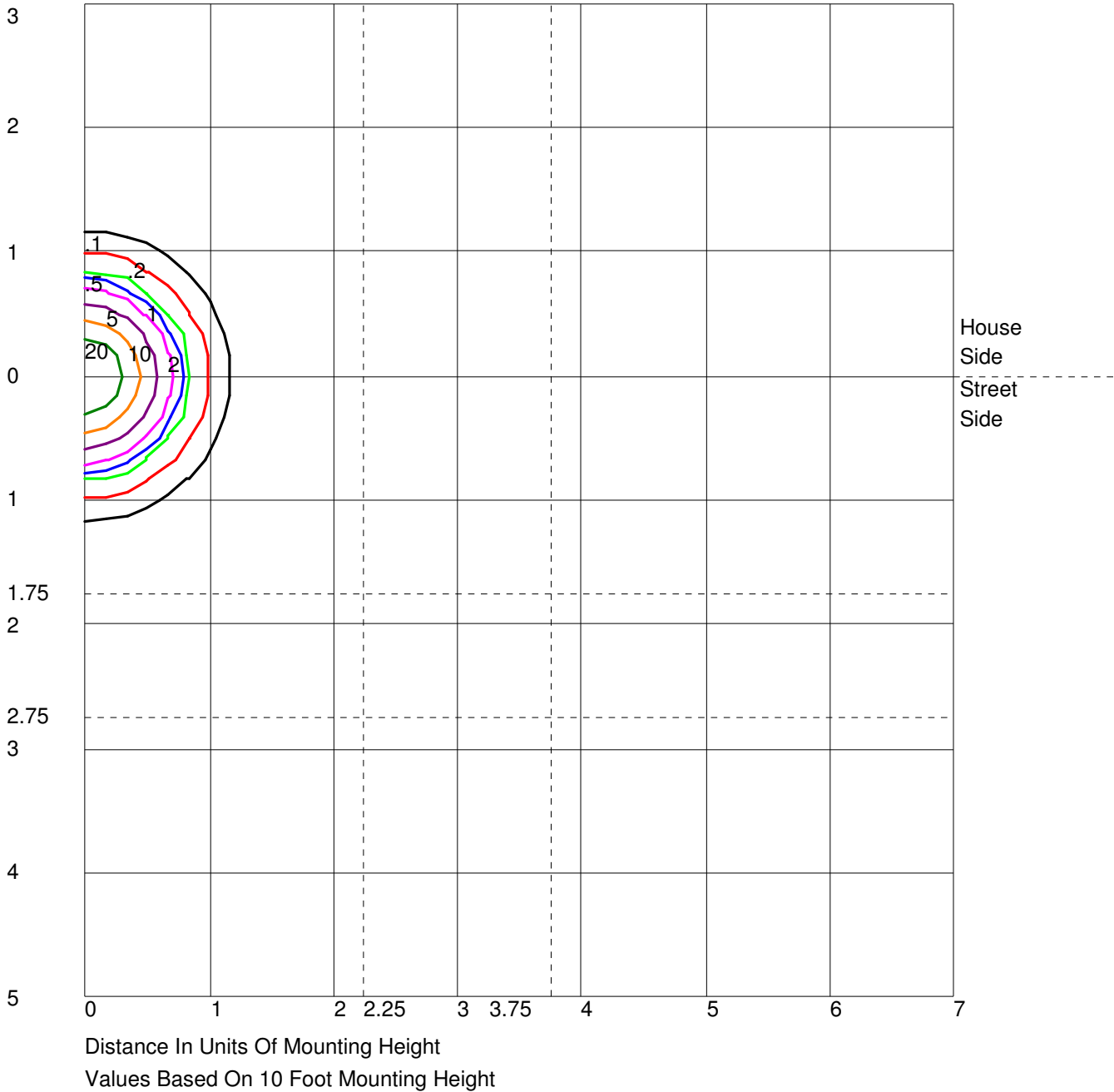


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