

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-950-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-L30-950-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	2638
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5615.886
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	5615.886
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.202 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.381 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-950-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1104.7	N.A.	41.9
FM - Front-Medium (30-60)	199.5	N.A.	7.6
FH - Front-High (60-80)	13.9	N.A.	0.5
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	1104.7	N.A.	41.9
BM - Back-Medium (30-60)	199.5	N.A.	7.6
BH - Back-High (60-80)	13.9	N.A.	0.5
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	2637.6	N.A.	100.0
BUG Rating	B3-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	5603.153	5603.153	5603.153	5603.153	5603.153
1	5610.356	5610.216	5607.684	5605.878	5603.609
2	5615.886	5612.389	5605.475	5598.868	5592.147
3	5612.819	5608.569	5596.160	5583.805	5573.026
4	5603.022	5593.970	5575.208	5556.788	5545.633
5	5567.830	5556.824	5532.060	5506.998	5494.651
6	5506.402	5491.803	5457.943	5427.106	5411.385
7	5403.858	5385.982	5348.047	5317.061	5294.032
8	5260.532	5242.848	5204.764	5176.259	5146.903
9	5075.722	5062.297	5029.681	5003.769	4973.581
10	4855.518	4851.960	4824.716	4804.544	4781.769
11	4610.226	4612.987	4596.460	4582.115	4562.258
12	4352.561	4354.156	4348.267	4343.746	4324.739
13	4087.176	4089.051	4093.529	4094.230	4076.266
14	3814.737	3816.490	3831.220	3836.802	3821.458
15	3541.956	3545.505	3564.941	3575.728	3563.206
16	3274.126	3279.252	3299.328	3314.208	3304.814
17	3014.139	3025.504	3039.516	3059.180	3050.899
18	2767.901	2780.055	2793.480	2810.734	2805.686
19	2538.040	2546.488	2563.085	2578.420	2571.164
20	2331.682	2331.884	2348.332	2364.403	2359.277
21	2134.595	2135.051	2149.755	2166.011	2158.790
22	1961.685	1958.391	1973.927	1987.440	1983.672
23	1811.892	1806.652	1821.321	1831.460	1831.425
24	1679.940	1675.427	1687.126	1695.074	1695.704
25	1562.859	1560.493	1567.459	1575.249	1574.794
26	1460.490	1457.046	1459.842	1467.483	1464.258
27	1364.615	1359.480	1361.171	1366.192	1365.027
28	1270.352	1263.955	1261.966	1267.732	1275.338
29	1171.708	1167.502	1163.409	1166.520	1170.227
30	1071.180	1063.214	1055.336	1061.646	1063.705
31	954.764	949.401	942.032	945.782	948.700
32	831.067	828.377	820.954	827.921	828.561
33	702.401	701.446	696.626	703.996	705.661
34	575.102	575.794	573.910	581.525	582.568
35	457.644	458.196	458.967	468.264	468.352
36	355.354	357.773	359.946	370.628	369.261
37	270.371	273.649	279.458	285.479	285.645
38	210.643	206.805	213.675	222.280	220.528
39	158.758	161.632	170.299	171.604	177.256
40	129.691	130.445	134.441	138.112	140.198
41	108.318	110.395	113.156	114.014	114.908
42	94.859	95.358	97.382	99.065	98.329
43	84.992	85.421	86.709	86.919	86.683
44	77.307	77.832	78.551	78.384	77.946
45	70.910	71.497	71.926	71.532	71.120
46	65.275	65.801	66.160	65.669	65.257
47	60.044	60.578	60.885	60.412	59.895
48	55.329	55.829	56.109	55.645	55.110
49	51.105	51.517	51.763	51.316	50.755
50	47.250	47.565	47.811	47.381	46.847
51	43.788	44.078	44.262	43.867	43.368
52	40.695	40.923	41.054	40.730	40.222

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-950-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	37.952	38.101	38.224	37.943	37.444
54	35.490	35.604	35.691	35.411	34.973
55	33.220	33.282	33.378	33.098	32.730
56	31.030	31.117	31.161	30.942	30.644
57	29.058	29.119	29.145	28.953	28.716
58	27.314	27.358	27.375	27.191	26.972
59	25.745	25.763	25.754	25.588	25.404
60	24.317	24.308	24.300	24.142	23.984
61	23.011	22.976	22.959	22.810	22.661
62	21.802	21.767	21.723	21.583	21.434
63	20.689	20.628	20.584	20.435	20.286
64	19.594	19.541	19.489	19.340	19.200
65	18.560	18.516	18.446	18.306	18.166
66	17.543	17.500	17.412	17.280	17.140
67	16.562	16.518	16.430	16.290	16.168
68	15.598	15.554	15.467	15.318	15.204
69	14.634	14.599	14.511	14.371	14.240
70	13.696	13.644	13.565	13.434	13.293
71	12.759	12.689	12.619	12.496	12.364
72	11.812	11.742	11.681	11.558	11.453
73	10.866	10.805	10.743	10.638	10.516
74	9.920	9.876	9.806	9.718	9.630
75	9.000	8.964	8.894	8.816	8.737
76	8.071	8.053	7.983	7.922	7.860
77	7.168	7.151	7.098	7.054	7.002
78	6.248	6.239	6.213	6.160	6.152
79	5.328	5.319	5.302	5.284	5.275
80	4.364	4.381	4.364	4.381	4.346
81	3.304	3.339	3.312	3.312	3.277
82	1.867	1.910	1.937	1.954	1.972
83	0.841	0.859	0.973	1.043	1.122
84	0.771	0.780	0.780	0.771	0.771
85	0.710	0.710	0.710	0.710	0.710
86	0.631	0.631	0.640	0.631	0.631
87	0.535	0.535	0.535	0.543	0.535
88	0.412	0.421	0.421	0.421	0.412
89	0.280	0.289	0.289	0.289	0.289
90	0.166	0.175	0.193	0.202	0.202
91	0.166	0.175	0.175	0.175	0.166
92	0.166	0.166	0.175	0.175	0.175
93	0.166	0.175	0.175	0.175	0.175
94	0.166	0.175	0.175	0.175	0.175
95	0.175	0.175	0.175	0.184	0.175
96	0.175	0.175	0.184	0.184	0.175
97	0.175	0.184	0.184	0.184	0.175
98	0.175	0.193	0.193	0.184	0.184
99	0.184	0.193	0.193	0.193	0.184
100	0.184	0.193	0.193	0.193	0.184
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

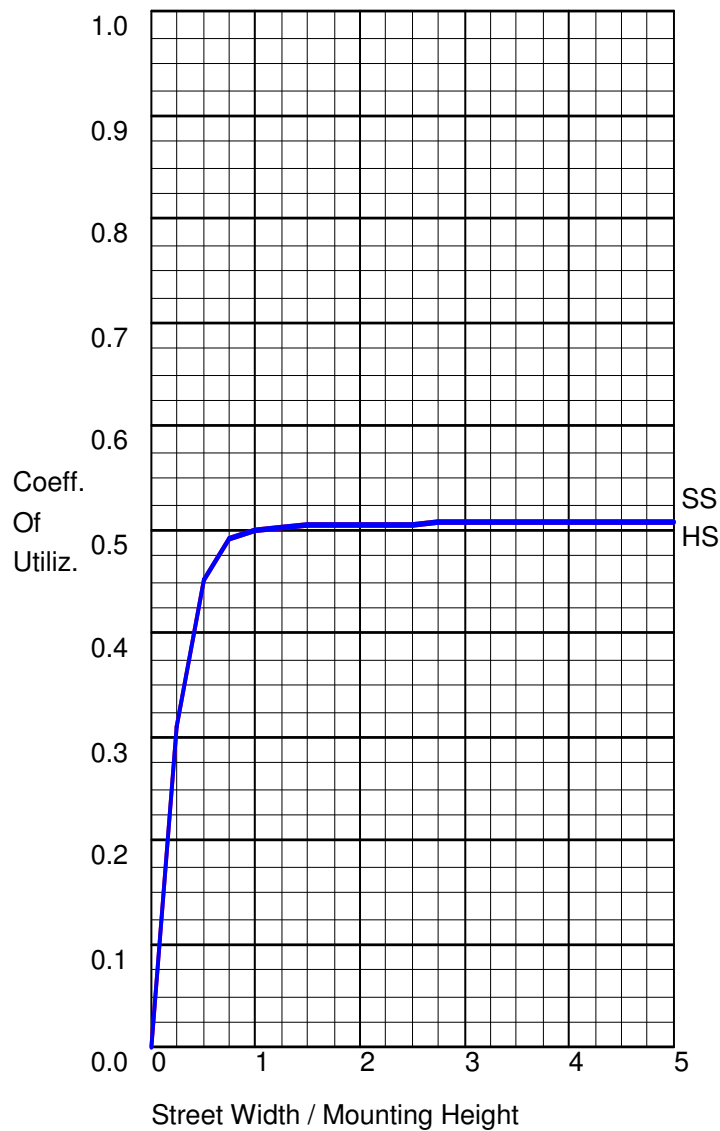
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000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

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-950-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

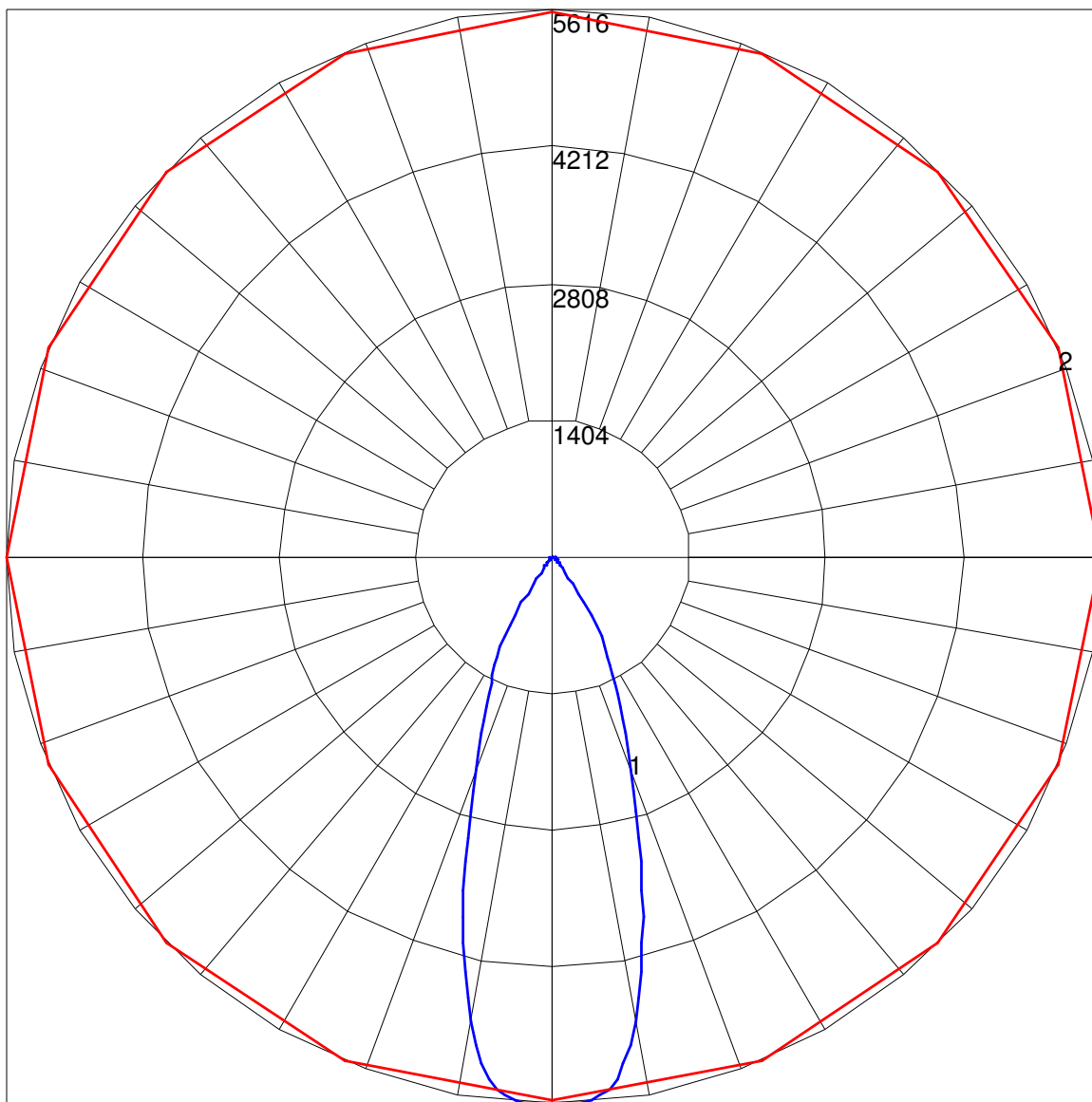
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1318.7	50.0
Downward House Side	1318.7	50.0
Downward Total	2637.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2637.6	100.0

POLAR GRAPH



Maximum Candela = 5615.886 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

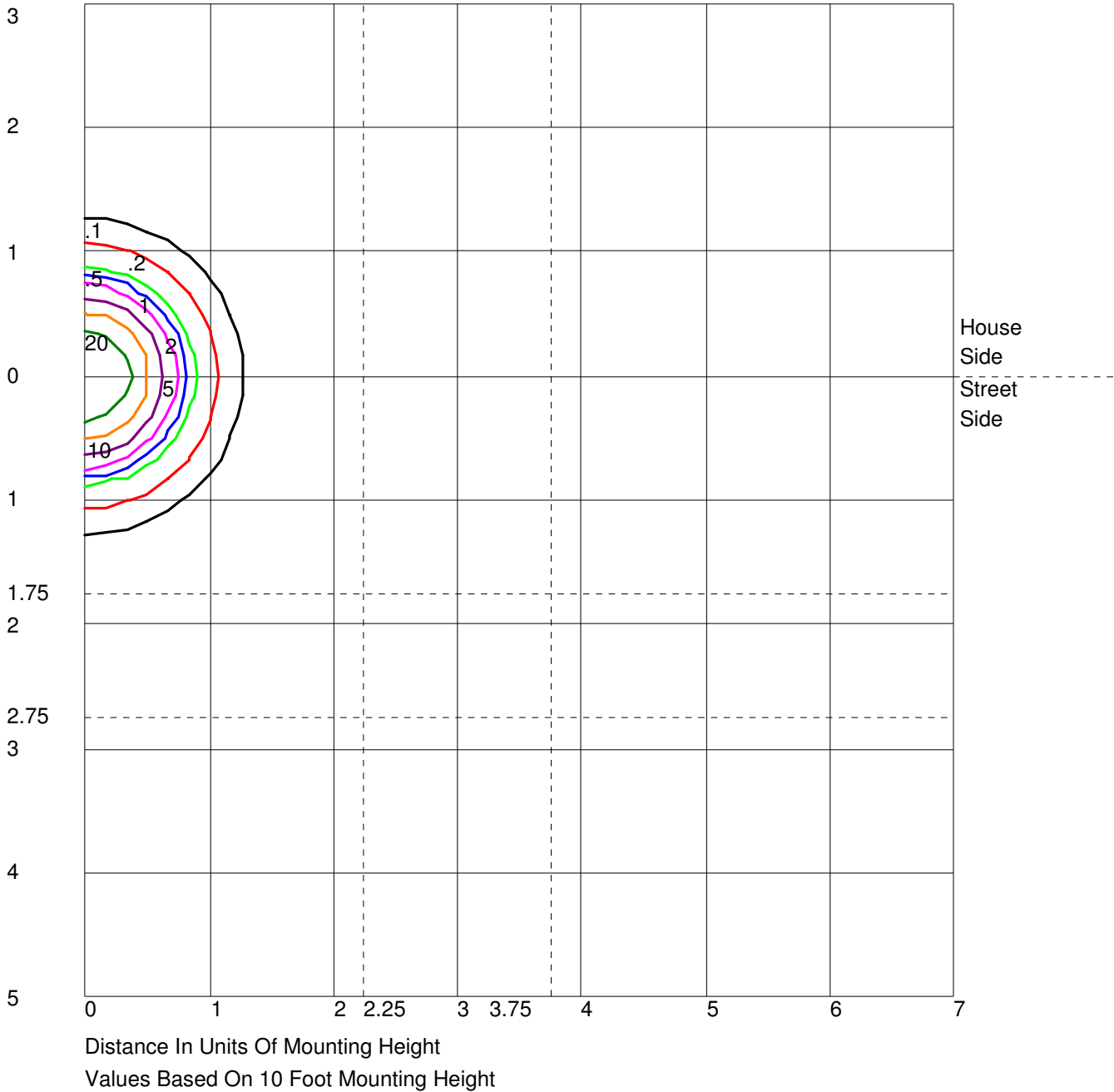


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