

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-950-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
[ISSUE DATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L30-950-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	2896
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	28742.956
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	28742.956
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.205 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.697 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1280.2	N.A.	44.2
FM - Front-Medium (30-60)	153.1	N.A.	5.3
FH - Front-High (60-80)	14.1	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1280.2	N.A.	44.2
BM - Back-Medium (30-60)	153.1	N.A.	5.3
BH - Back-High (60-80)	14.1	N.A.	0.5
BVH - Back-Very High (80-90)	0.7	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	2896.4	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	28742.956	28742.956	28742.956	28742.956	28742.956
1	28248.552	28259.761	28260.923	28264.272	28267.230
2	27054.325	26993.250	27089.448	27028.680	27082.705
3	25104.689	25084.885	25102.912	25243.516	25205.872
4	22348.985	22601.517	22653.513	22649.821	22702.543
5	19457.011	19491.074	19563.925	19784.283	19798.226
6	16165.121	16223.591	16510.083	16651.330	16817.086
7	13097.252	13028.940	13300.457	13619.356	13646.052
8	10074.971	10216.124	10507.807	10726.443	10824.065
9	7680.983	7815.541	8041.823	8288.170	8406.404
10	5830.883	5883.373	6152.546	6364.894	6470.673
11	4435.172	4492.229	4705.638	4915.354	4966.206
12	3438.700	3515.513	3678.814	3792.006	3852.272
13	2813.560	2803.821	2903.191	3011.565	3064.474
14	2262.862	2283.605	2378.957	2485.424	2502.046
15	1920.671	1932.373	2028.580	2068.512	2142.656
16	1680.045	1687.310	1742.311	1792.066	1816.771
17	1509.369	1514.057	1555.691	1595.660	1616.273
18	1388.465	1392.009	1424.016	1456.860	1472.357
19	1306.005	1309.261	1334.924	1358.355	1376.010
20	1255.060	1252.335	1271.189	1289.495	1302.461
21	1214.226	1214.402	1226.113	1239.656	1251.330
22	1188.023	1185.437	1195.250	1203.036	1215.193
23	1166.424	1161.513	1169.187	1175.661	1186.972
24	1144.630	1139.682	1144.295	1148.490	1160.183
25	1120.836	1117.134	1117.981	1121.962	1132.175
26	1093.350	1089.239	1088.392	1092.029	1100.568
27	1061.203	1054.953	1052.739	1054.962	1064.961
28	1018.601	1011.495	1006.509	1008.546	1019.346
29	963.061	956.885	946.476	949.815	959.610
30	891.196	885.662	872.807	876.388	884.713
31	801.314	796.784	784.375	788.356	796.542
32	696.651	694.428	683.982	690.233	697.246
33	582.966	582.649	575.608	583.570	590.639
34	467.522	469.215	466.452	475.419	481.084
35	359.688	363.362	362.822	375.826	376.942
36	265.787	267.954	274.521	282.781	286.669
37	192.471	188.806	201.280	209.502	218.664
38	132.689	131.452	139.963	148.427	150.957
39	89.148	95.473	101.537	105.918	107.909
40	65.028	68.163	72.804	79.120	78.767
41	51.755	53.234	56.424	58.908	60.201
42	44.602	45.002	47.048	48.387	49.104
43	40.741	40.797	41.923	42.481	42.890
44	38.583	38.667	39.104	39.216	39.458
45	37.328	37.421	37.486	37.421	37.597
46	36.491	36.546	36.425	36.295	36.444
47	35.830	35.821	35.607	35.467	35.523
48	35.309	35.226	34.928	34.816	34.798
49	34.891	34.733	34.379	34.212	34.156
50	34.565	34.323	33.905	33.700	33.588
51	34.314	34.016	33.486	33.263	33.114
52	34.156	33.765	33.161	32.891	32.705

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

53	34.035	33.570	32.882	32.556	32.398
54	33.886	33.365	32.565	32.184	31.998
55	33.384	32.835	32.016	31.579	31.477
56	32.509	31.979	31.114	30.686	30.733
57	31.384	30.947	30.026	29.645	29.821
58	30.119	29.756	28.826	28.500	28.761
59	28.649	28.361	27.477	27.207	27.561
60	27.059	26.798	26.035	25.831	26.203
61	25.394	25.142	24.529	24.380	24.715
62	23.701	23.468	23.003	22.901	23.180
63	22.036	21.831	21.506	21.413	21.617
64	20.408	20.203	20.045	19.961	20.120
65	18.920	18.715	18.669	18.585	18.724
66	17.497	17.329	17.329	17.273	17.385
67	16.194	16.083	16.111	16.064	16.157
68	15.041	14.957	15.004	14.948	15.032
69	13.980	13.925	13.962	13.925	13.980
70	13.004	12.985	13.004	12.967	13.004
71	12.102	12.102	12.111	12.064	12.083
72	11.283	11.255	11.264	11.218	11.218
73	10.483	10.446	10.437	10.390	10.390
74	9.702	9.646	9.646	9.590	9.599
75	8.911	8.855	8.846	8.781	8.809
76	8.102	8.055	8.055	7.990	8.027
77	7.293	7.265	7.255	7.209	7.246
78	6.474	6.427	6.427	6.390	6.437
79	5.600	5.562	5.581	5.553	5.618
80	4.651	4.642	4.651	4.669	4.697
81	3.572	3.590	3.581	3.590	3.590
82	2.037	2.093	2.149	2.130	2.177
83	0.967	0.977	1.088	1.135	1.200
84	0.884	0.884	0.884	0.874	0.874
85	0.819	0.809	0.809	0.800	0.809
86	0.735	0.726	0.726	0.726	0.726
87	0.623	0.623	0.623	0.614	0.614
88	0.493	0.493	0.493	0.484	0.474
89	0.335	0.335	0.326	0.326	0.316
90	0.186	0.195	0.205	0.205	0.205
91	0.186	0.186	0.177	0.167	0.167
92	0.186	0.186	0.177	0.177	0.167
93	0.195	0.195	0.177	0.177	0.167
94	0.205	0.195	0.186	0.177	0.177
95	0.205	0.195	0.186	0.186	0.177
96	0.214	0.195	0.195	0.186	0.186
97	0.214	0.195	0.205	0.195	0.195
98	0.214	0.205	0.205	0.195	0.195
99	0.214	0.205	0.205	0.195	0.205
100	0.214	0.214	0.214	0.205	0.205
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

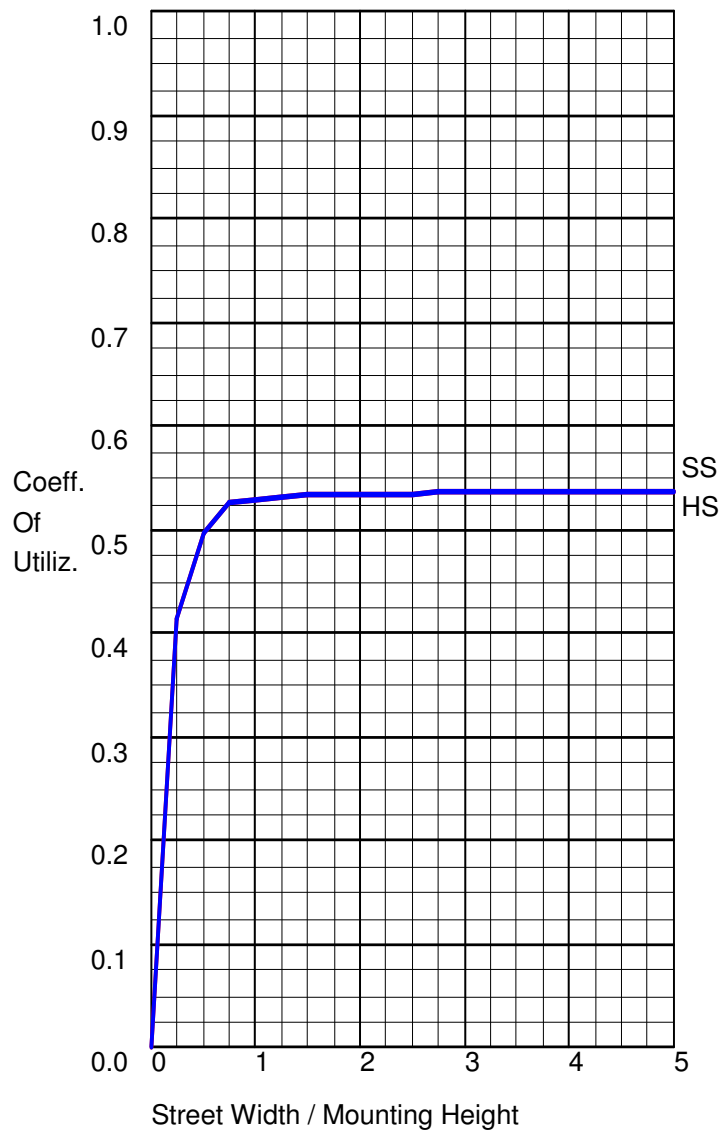
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-950-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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-L30-950-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

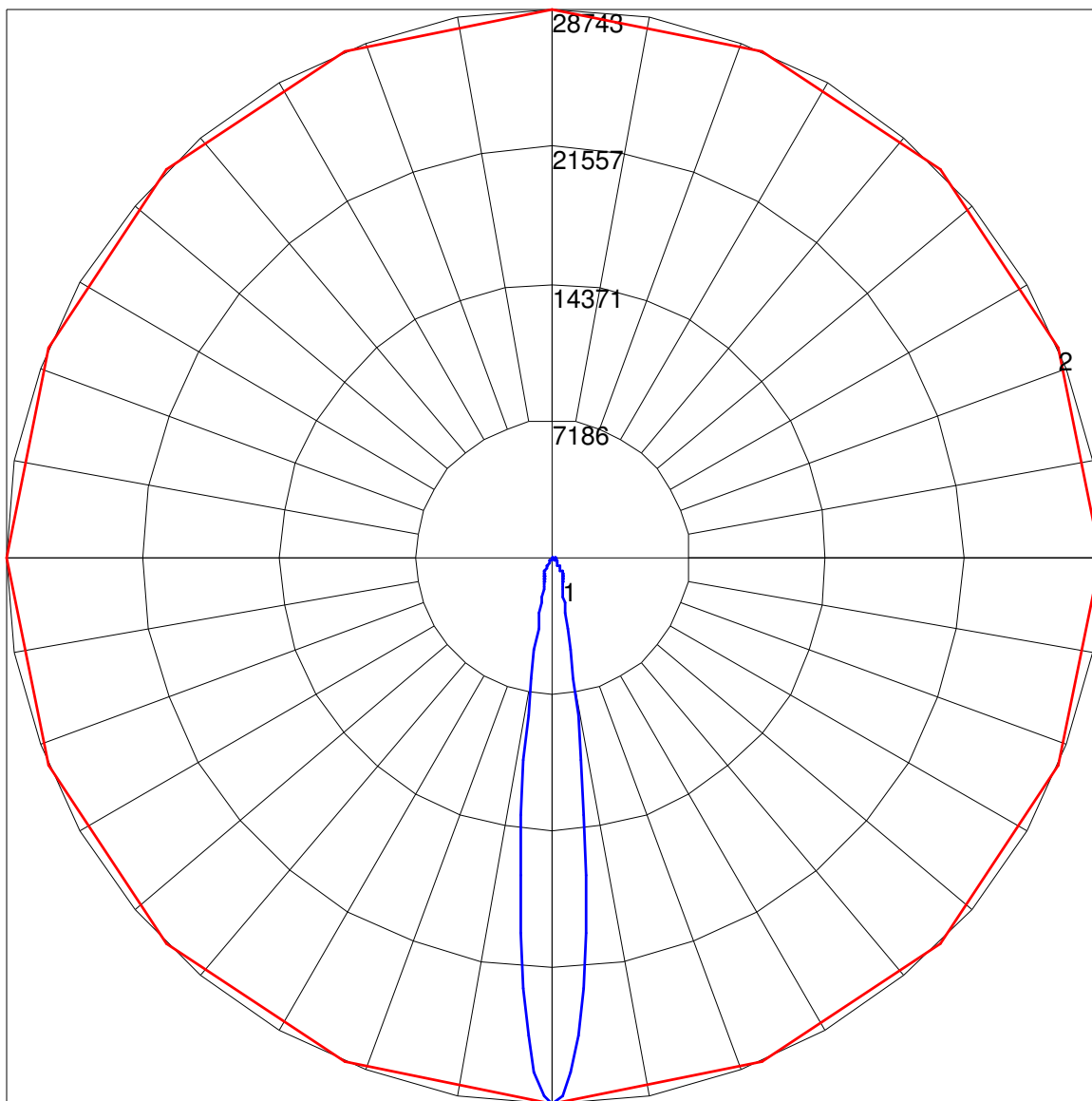
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1448.1	50.0
Downward House Side	1448.1	50.0
Downward Total	2896.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2896.4	100.0

POLAR GRAPH



Maximum Candela = 28742.956 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

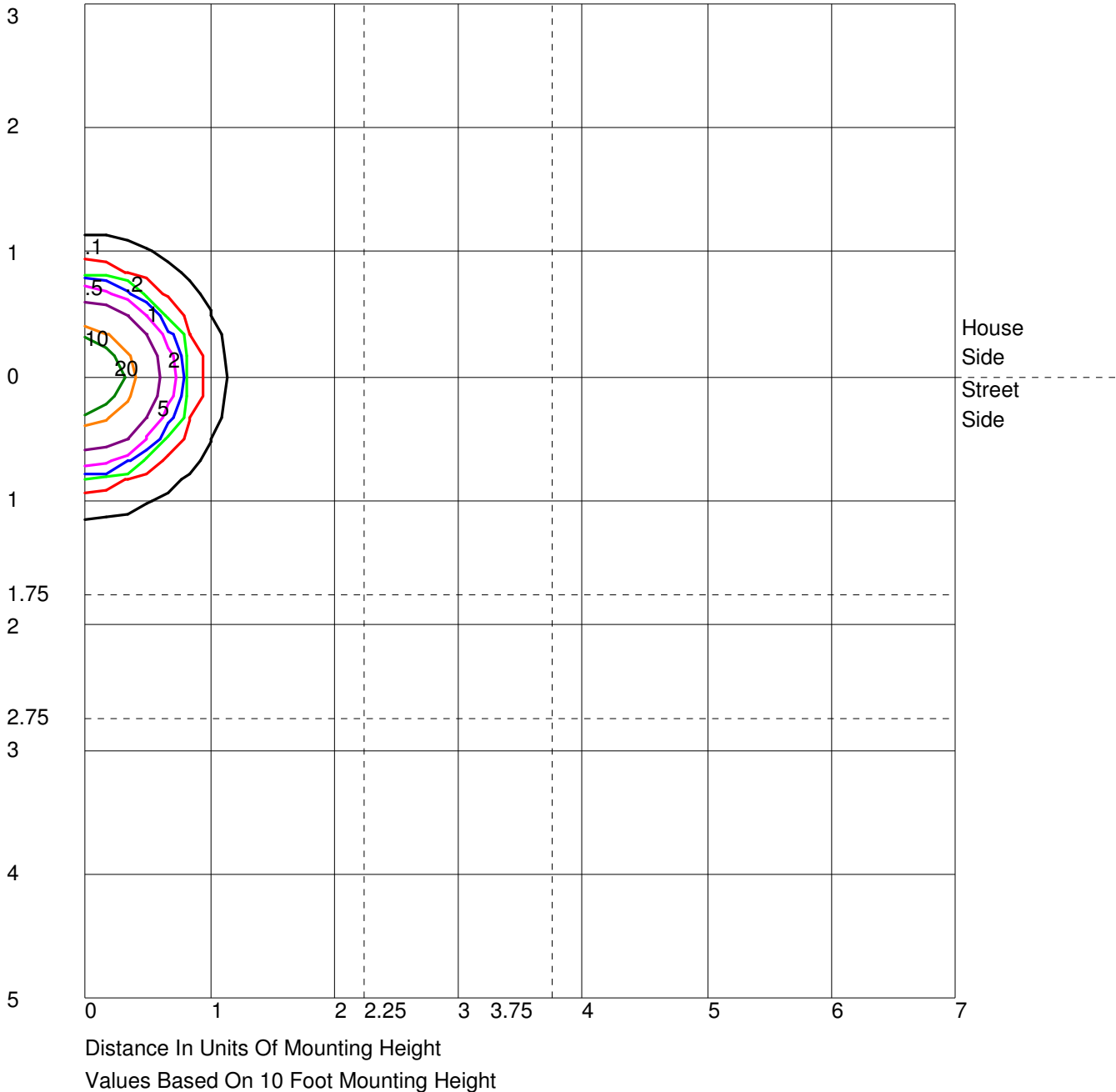


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