

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-830-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-L30-830-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	3049
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	30255.744
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	30255.744
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.215 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.945 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-830-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1347.6	N.A.	44.2
FM - Front-Medium (30-60)	161.2	N.A.	5.3
FH - Front-High (60-80)	14.8	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1347.6	N.A.	44.2
BM - Back-Medium (30-60)	161.2	N.A.	5.3
BH - Back-High (60-80)	14.8	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	3048.8	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	30255.744	30255.744	30255.744	30255.744	30255.744
1	29735.318	29747.117	29748.341	29751.866	29754.979
2	28478.237	28413.948	28515.209	28451.243	28508.110
3	26425.988	26405.143	26424.118	26572.123	26532.498
4	23525.248	23791.071	23845.804	23841.917	23897.414
5	20481.065	20516.920	20593.606	20825.561	20840.238
6	17015.917	17077.464	17379.035	17527.716	17702.196
7	13786.581	13714.674	14000.481	14336.165	14364.266
8	10605.233	10753.815	11060.850	11290.993	11393.753
9	8085.245	8226.885	8465.077	8724.389	8848.846
10	6137.772	6193.024	6476.364	6699.889	6811.235
11	4668.603	4728.662	4953.303	5174.057	5227.586
12	3619.684	3700.540	3872.436	3991.585	4055.023
13	2961.642	2951.391	3055.991	3170.069	3225.762
14	2381.960	2403.795	2504.165	2616.236	2633.733
15	2021.759	2034.077	2135.348	2177.382	2255.428
16	1768.469	1776.116	1834.012	1886.385	1912.391
17	1588.809	1593.744	1637.570	1679.643	1701.340
18	1461.542	1465.273	1498.964	1533.537	1549.850
19	1374.743	1378.170	1405.184	1429.848	1448.432
20	1321.116	1318.247	1338.094	1357.363	1371.012
21	1278.132	1278.318	1290.645	1304.901	1317.190
22	1250.550	1247.828	1258.158	1266.353	1279.150
23	1227.815	1222.645	1230.723	1237.538	1249.444
24	1204.874	1199.665	1204.521	1208.937	1221.245
25	1179.828	1175.931	1176.822	1181.013	1191.763
26	1150.895	1146.567	1145.676	1149.504	1158.493
27	1117.056	1110.476	1108.146	1110.486	1121.012
28	1072.212	1064.732	1059.483	1061.628	1072.995
29	1013.748	1007.247	996.291	999.806	1010.116
30	938.101	932.275	918.744	922.513	931.277
31	843.488	838.720	825.658	829.849	838.465
32	733.317	730.977	719.981	726.561	733.943
33	613.648	613.315	605.903	614.284	621.726
34	492.129	493.911	491.003	500.441	506.404
35	378.618	382.486	381.918	395.606	396.781
36	279.776	282.057	288.970	297.664	301.757
37	202.601	198.743	211.873	220.529	230.173
38	139.672	138.370	147.329	156.239	158.902
39	93.839	100.498	106.881	111.493	113.588
40	68.451	71.750	76.636	83.285	82.912
41	54.479	56.035	59.394	62.008	63.369
42	46.949	47.370	49.524	50.934	51.688
43	42.886	42.944	44.129	44.717	45.148
44	40.614	40.702	41.162	41.280	41.535
45	39.292	39.390	39.459	39.390	39.576
46	38.411	38.470	38.343	38.206	38.362
47	37.716	37.706	37.481	37.334	37.393
48	37.168	37.080	36.766	36.649	36.629
49	36.727	36.561	36.189	36.012	35.954
50	36.384	36.130	35.689	35.474	35.356
51	36.120	35.807	35.249	35.014	34.857
52	35.954	35.542	34.906	34.622	34.426

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-830-XXX-DIM-UNV-S-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	35.826	35.337	34.612	34.269	34.103
54	35.670	35.121	34.279	33.878	33.682
55	35.141	34.563	33.702	33.241	33.134
56	34.220	33.662	32.752	32.301	32.350
57	33.036	32.576	31.606	31.205	31.391
58	31.704	31.322	30.343	30.000	30.275
59	30.157	29.854	28.923	28.639	29.012
60	28.483	28.209	27.406	27.190	27.582
61	26.730	26.466	25.820	25.663	26.015
62	24.948	24.703	24.214	24.106	24.400
63	23.196	22.980	22.637	22.539	22.755
64	21.482	21.267	21.100	21.012	21.179
65	19.915	19.700	19.651	19.563	19.710
66	18.417	18.241	18.241	18.182	18.300
67	17.047	16.929	16.958	16.910	17.007
68	15.832	15.744	15.793	15.735	15.823
69	14.716	14.658	14.697	14.658	14.716
70	13.688	13.669	13.688	13.649	13.688
71	12.738	12.738	12.748	12.699	12.719
72	11.877	11.847	11.857	11.808	11.808
73	11.035	10.996	10.986	10.937	10.937
74	10.212	10.154	10.154	10.095	10.105
75	9.380	9.321	9.311	9.243	9.272
76	8.528	8.479	8.479	8.411	8.450
77	7.676	7.647	7.637	7.588	7.627
78	6.815	6.766	6.766	6.727	6.776
79	5.894	5.855	5.875	5.845	5.914
80	4.896	4.886	4.896	4.915	4.945
81	3.760	3.779	3.770	3.779	3.779
82	2.144	2.203	2.262	2.242	2.291
83	1.018	1.028	1.146	1.195	1.263
84	0.930	0.930	0.930	0.920	0.920
85	0.862	0.852	0.852	0.842	0.852
86	0.774	0.764	0.764	0.764	0.764
87	0.656	0.656	0.656	0.646	0.646
88	0.519	0.519	0.519	0.509	0.499
89	0.352	0.352	0.343	0.343	0.333
90	0.196	0.206	0.215	0.215	0.215
91	0.196	0.196	0.186	0.176	0.176
92	0.196	0.196	0.186	0.186	0.176
93	0.206	0.206	0.186	0.186	0.176
94	0.215	0.206	0.196	0.186	0.186
95	0.215	0.206	0.196	0.196	0.186
96	0.225	0.206	0.206	0.196	0.196
97	0.225	0.206	0.215	0.206	0.206
98	0.225	0.215	0.215	0.206	0.206
99	0.225	0.215	0.215	0.206	0.215
100	0.225	0.225	0.225	0.215	0.215
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

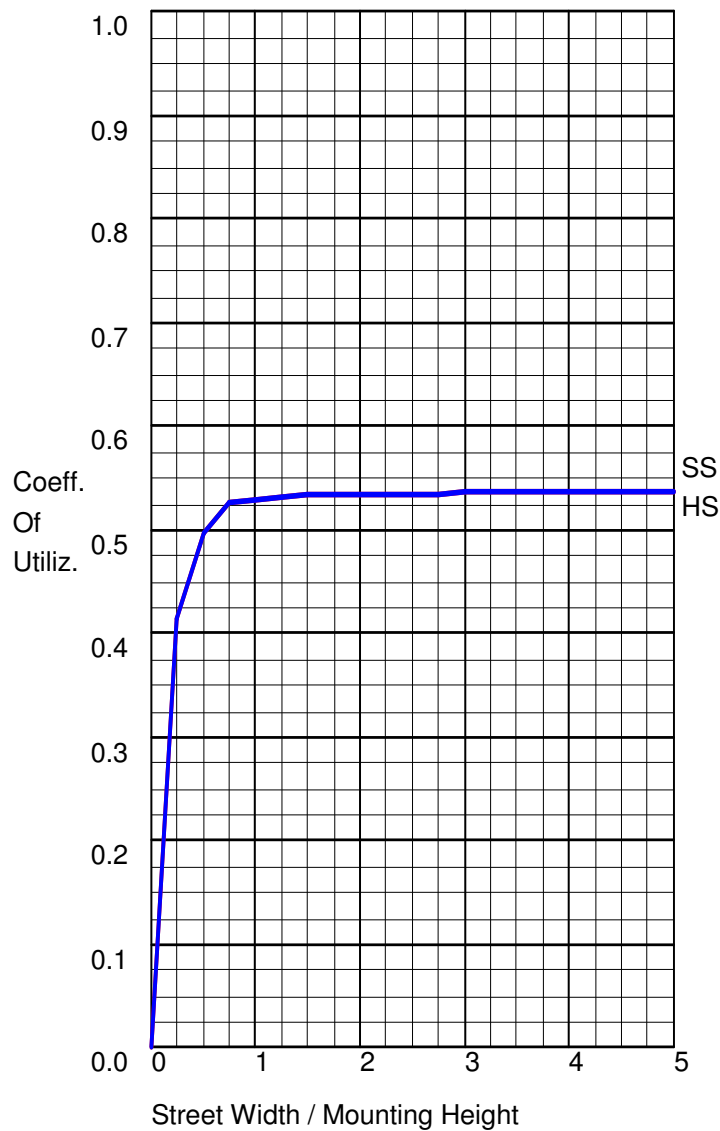
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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-L30-830-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

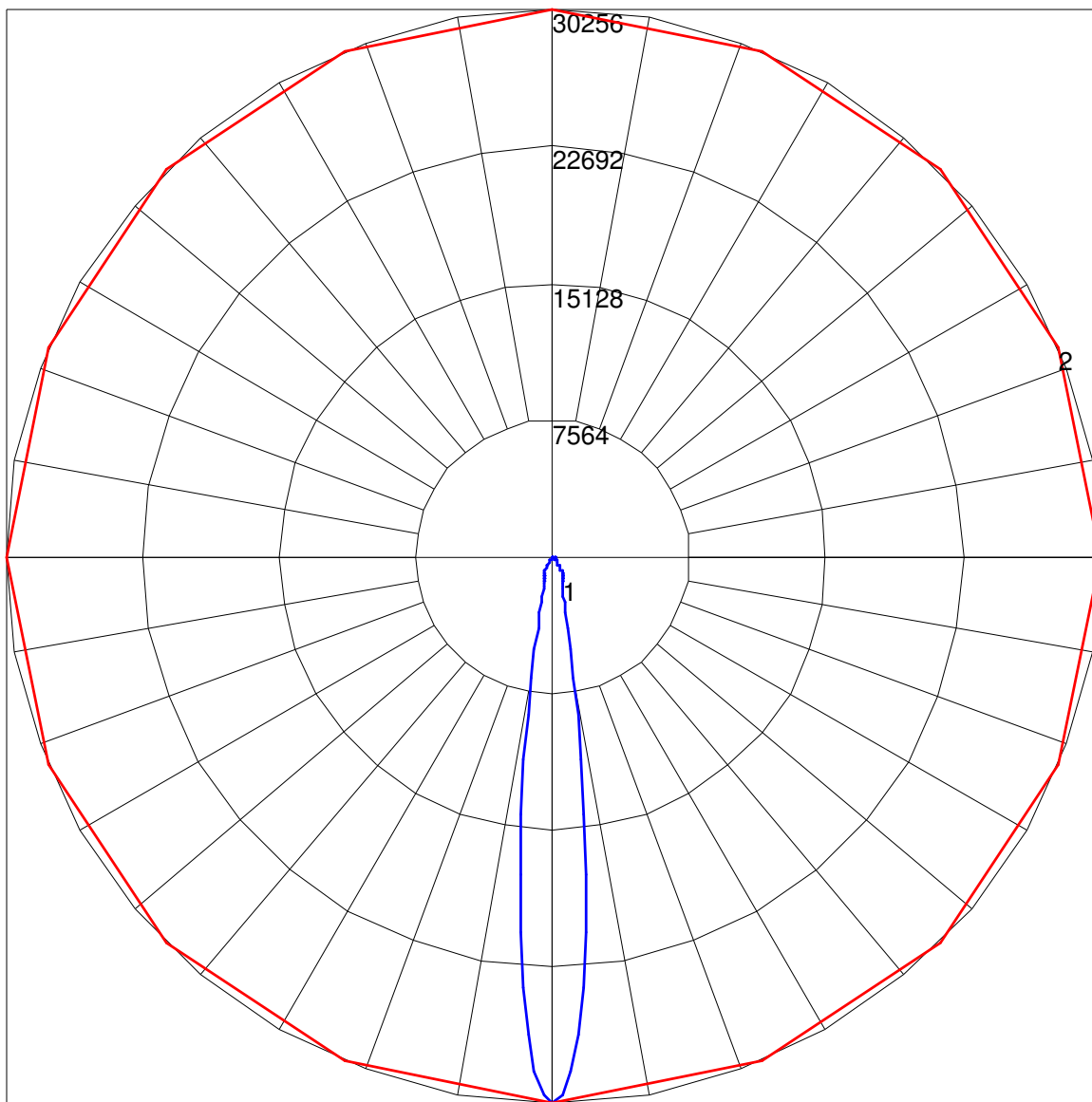
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1524.3	50.0
Downward House Side	1524.3	50.0
Downward Total	3048.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3048.8	100.0

POLAR GRAPH



Maximum Candela = 30255.744 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

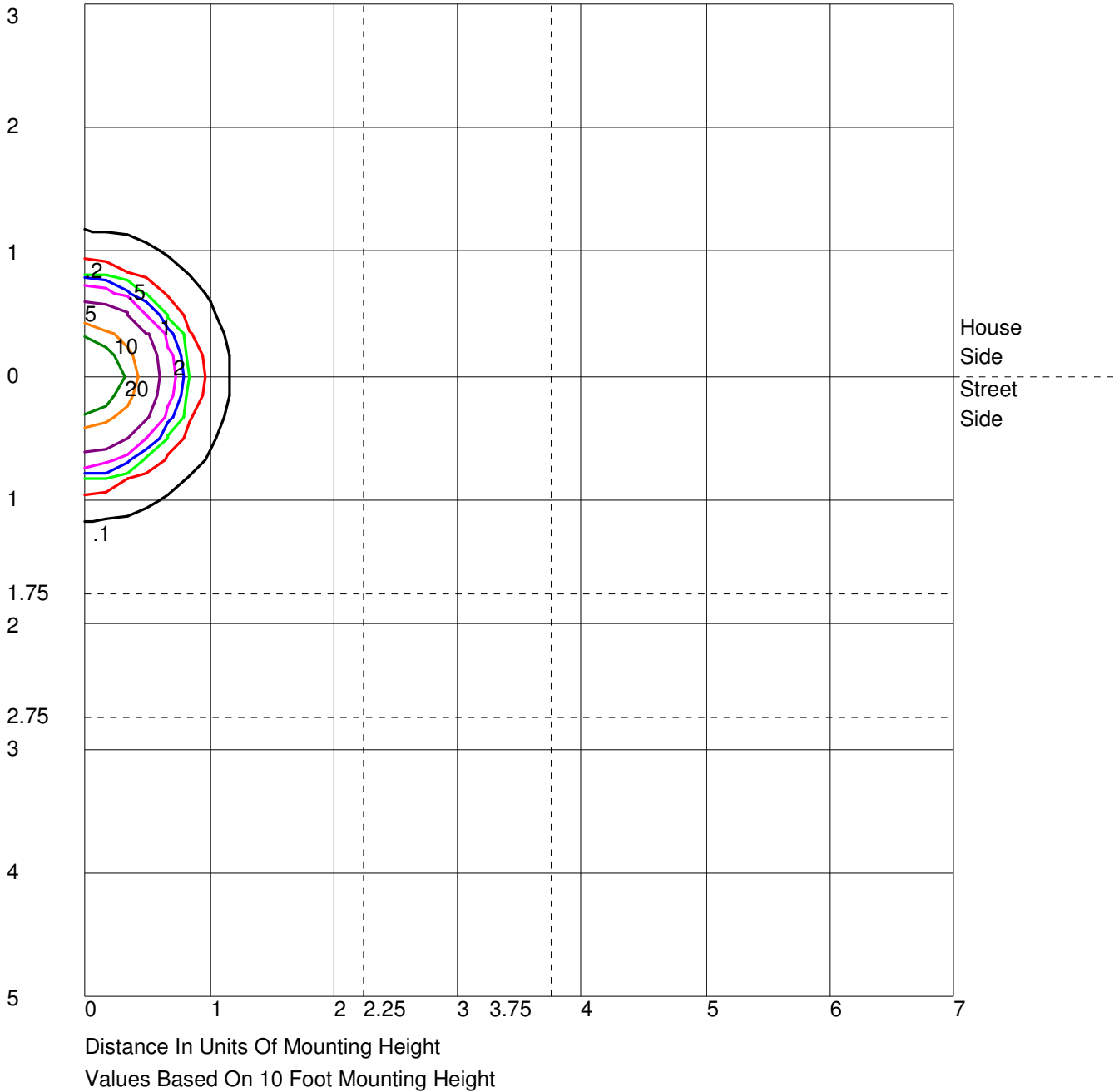


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