

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-930-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-L20-930-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	1879
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4000.854
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	4000.854
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.144 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.121 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-930-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	787.0	N.A.	41.9
FM - Front-Medium (30-60)	142.2	N.A.	7.6
FH - Front-High (60-80)	9.9	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	787.0	N.A.	41.9
BM - Back-Medium (30-60)	142.2	N.A.	7.6
BH - Back-High (60-80)	9.9	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	1879.3	N.A.	100.0
BUG Rating	B2-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-930-XXX-DIM-UNV-M-XXX_.IES****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	3991.783	3991.783	3991.783	3991.783	3991.783
1	3996.914	3996.814	3995.010	3993.724	3992.107
2	4000.854	3998.363	3993.437	3988.730	3983.942
3	3998.669	3995.641	3986.801	3977.998	3970.320
4	3991.689	3985.240	3971.874	3958.752	3950.805
5	3966.618	3958.777	3941.134	3923.280	3914.484
6	3922.855	3912.455	3888.332	3866.364	3855.164
7	3849.801	3837.066	3810.041	3787.966	3771.560
8	3747.693	3735.095	3707.964	3687.656	3666.742
9	3616.031	3606.467	3583.231	3564.771	3543.265
10	3459.155	3456.620	3437.211	3422.840	3406.615
11	3284.405	3286.371	3274.597	3264.377	3250.231
12	3100.840	3101.976	3097.781	3094.559	3081.018
13	2911.775	2913.111	2916.301	2916.800	2904.002
14	2717.684	2718.933	2729.427	2733.404	2722.472
15	2523.350	2525.879	2539.725	2547.410	2538.489
16	2332.544	2336.196	2350.498	2361.098	2354.406
17	2147.324	2155.421	2165.404	2179.413	2173.513
18	1971.900	1980.559	1990.123	2002.415	1998.819
19	1808.144	1814.162	1825.986	1836.911	1831.742
20	1661.131	1661.274	1672.992	1684.441	1680.789
21	1520.723	1521.047	1531.523	1543.103	1537.959
22	1397.538	1395.191	1406.260	1415.886	1413.202
23	1290.823	1287.090	1297.540	1304.763	1304.738
24	1196.818	1193.603	1201.937	1207.600	1208.049
25	1113.407	1111.722	1116.685	1122.235	1121.910
26	1040.478	1038.025	1040.016	1045.460	1043.163
27	972.175	968.517	969.722	973.299	972.469
28	905.021	900.463	899.046	903.154	908.573
29	834.745	831.748	828.833	831.049	833.690
30	763.127	757.452	751.840	756.335	757.802
31	680.190	676.370	671.120	673.792	675.870
32	592.066	590.150	584.862	589.825	590.281
33	500.402	499.722	496.288	501.539	502.725
34	409.712	410.206	408.863	414.288	415.031
35	326.033	326.427	326.976	333.600	333.662
36	253.160	254.883	256.432	264.042	263.068
37	192.617	194.952	199.091	203.380	203.498
38	150.066	147.331	152.226	158.356	157.108
39	113.102	115.149	121.324	122.254	126.281
40	92.394	92.931	95.778	98.394	99.879
41	77.168	78.648	80.614	81.226	81.863
42	67.579	67.935	69.377	70.575	70.051
43	60.549	60.855	61.773	61.923	61.754
44	55.074	55.449	55.961	55.842	55.530
45	50.517	50.935	51.241	50.960	50.667
46	46.503	46.878	47.134	46.784	46.491
47	42.776	43.157	43.375	43.038	42.670
48	39.417	39.773	39.973	39.642	39.261
49	36.408	36.702	36.877	36.558	36.159
50	33.661	33.886	34.061	33.755	33.374
51	31.196	31.402	31.533	31.252	30.896
52	28.992	29.154	29.248	29.017	28.655

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53	27.038	27.144	27.231	27.032	26.676
54	25.284	25.365	25.427	25.227	24.915
55	23.667	23.710	23.779	23.579	23.317
56	22.106	22.168	22.200	22.044	21.831
57	20.701	20.745	20.764	20.626	20.458
58	19.459	19.490	19.503	19.372	19.216
59	18.342	18.354	18.348	18.229	18.098
60	17.324	17.318	17.311	17.199	17.087
61	16.394	16.369	16.356	16.250	16.144
62	15.532	15.507	15.476	15.376	15.270
63	14.739	14.696	14.664	14.558	14.452
64	13.959	13.922	13.884	13.778	13.678
65	13.222	13.191	13.141	13.041	12.941
66	12.498	12.467	12.405	12.311	12.211
67	11.799	11.768	11.705	11.605	11.518
68	11.112	11.081	11.019	10.913	10.831
69	10.426	10.401	10.338	10.238	10.145
70	9.758	9.720	9.664	9.570	9.470
71	9.090	9.040	8.990	8.902	8.809
72	8.415	8.365	8.322	8.234	8.159
73	7.741	7.697	7.654	7.579	7.491
74	7.067	7.036	6.986	6.923	6.861
75	6.411	6.386	6.336	6.280	6.224
76	5.750	5.737	5.687	5.644	5.600
77	5.107	5.094	5.057	5.025	4.988
78	4.451	4.445	4.426	4.389	4.382
79	3.796	3.789	3.777	3.764	3.758
80	3.109	3.121	3.109	3.121	3.096
81	2.354	2.379	2.360	2.360	2.335
82	1.330	1.361	1.380	1.392	1.405
83	0.599	0.612	0.693	0.743	0.799
84	0.549	0.556	0.556	0.549	0.549
85	0.506	0.506	0.506	0.506	0.506
86	0.449	0.449	0.456	0.449	0.449
87	0.381	0.381	0.381	0.387	0.381
88	0.293	0.300	0.300	0.300	0.293
89	0.200	0.206	0.206	0.206	0.206
90	0.119	0.125	0.137	0.144	0.144
91	0.119	0.125	0.125	0.125	0.119
92	0.119	0.119	0.125	0.125	0.125
93	0.119	0.125	0.125	0.125	0.125
94	0.119	0.125	0.125	0.125	0.125
95	0.125	0.125	0.125	0.131	0.125
96	0.125	0.125	0.131	0.131	0.125
97	0.125	0.131	0.131	0.131	0.125
98	0.125	0.137	0.137	0.131	0.131
99	0.131	0.137	0.137	0.137	0.131
100	0.131	0.137	0.137	0.137	0.131
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

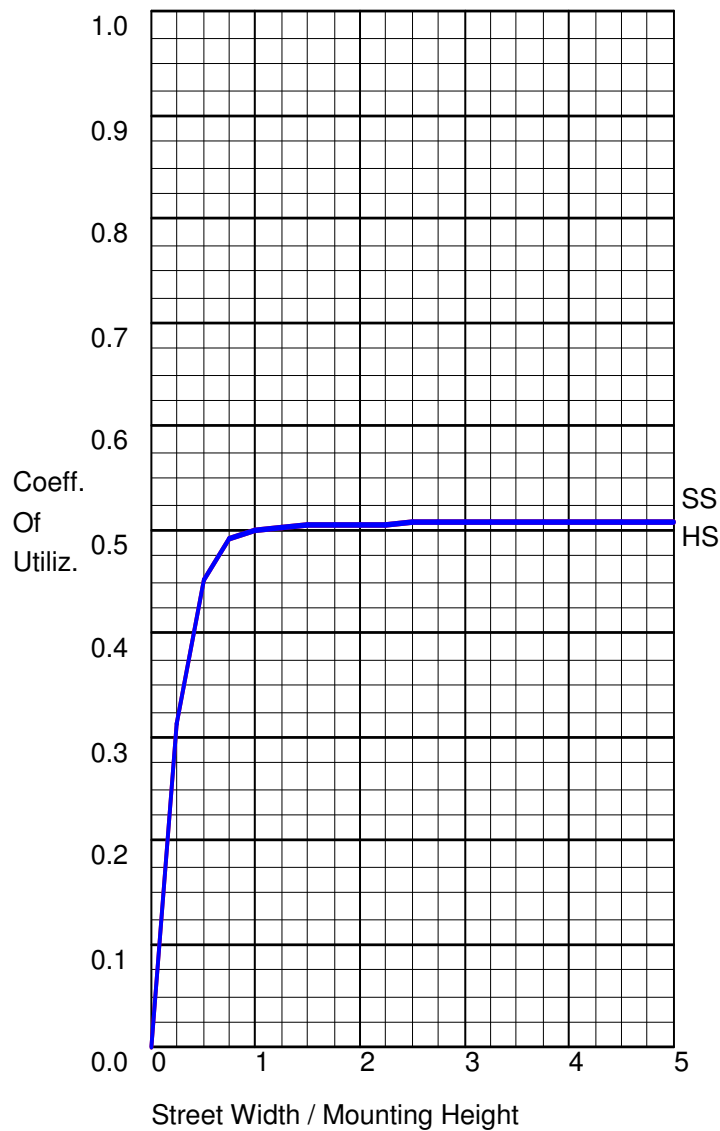
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-930-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L20-930-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

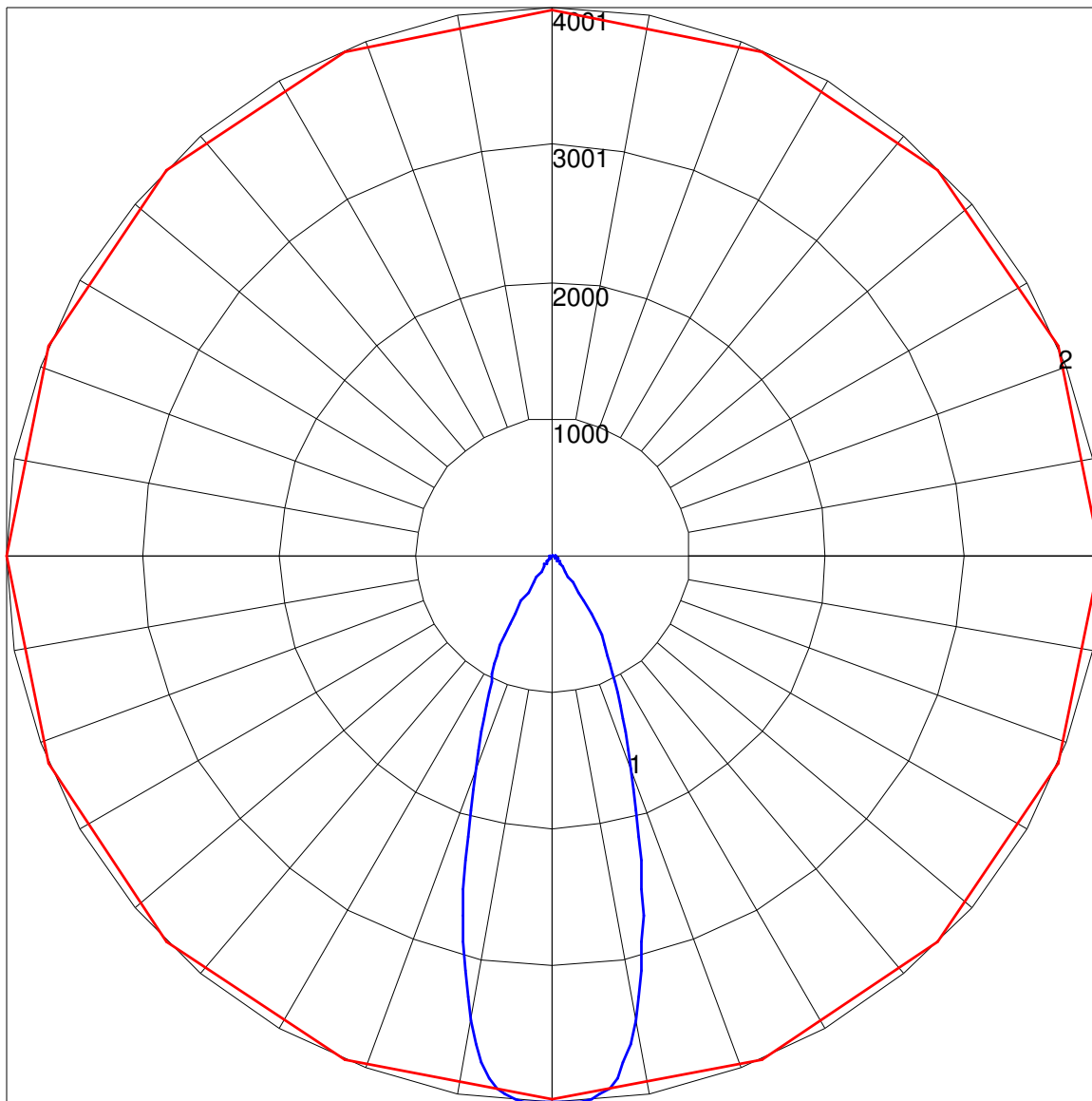
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	939.5	50.0
Downward House Side	939.5	50.0
Downward Total	1879.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1879.2	100.0

POLAR GRAPH



Maximum Candela = 4000.854 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

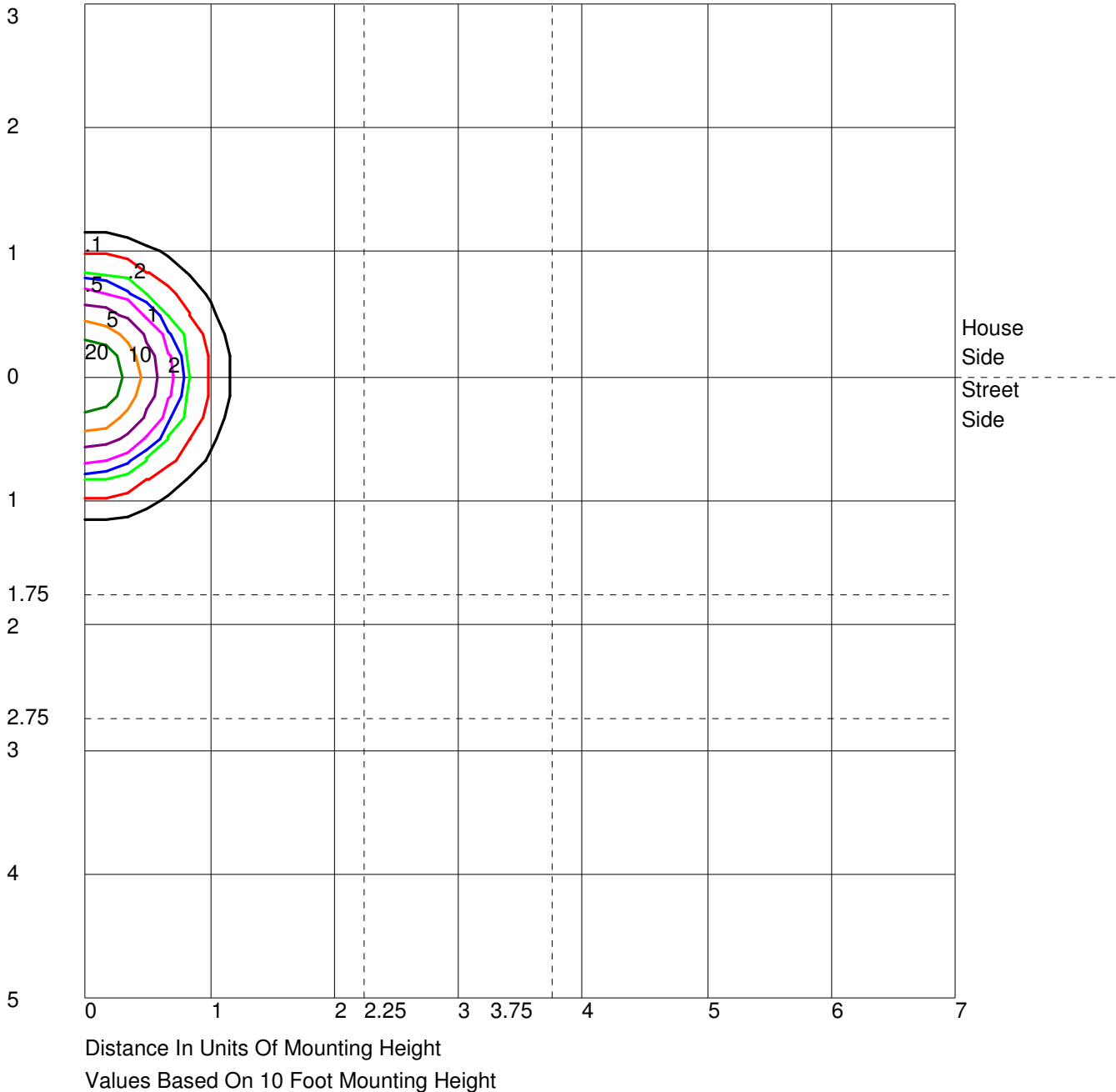


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