

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-950-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-L20-950-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	1859
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	3958.739
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	3958.739
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.142 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.089 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-950-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	778.7	N.A.	41.9
FM - Front-Medium (30-60)	140.7	N.A.	7.6
FH - Front-High (60-80)	9.8	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	778.7	N.A.	41.9
BM - Back-Medium (30-60)	140.7	N.A.	7.6
BH - Back-High (60-80)	9.8	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	1859.5	N.A.	100.0
BUG Rating	B2-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-950-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	3949.764	3949.764	3949.764	3949.764	3949.764
1	3954.842	3954.743	3952.958	3951.685	3950.085
2	3958.739	3956.275	3951.401	3946.743	3942.005
3	3956.577	3953.581	3944.835	3936.125	3928.527
4	3949.671	3943.290	3930.065	3917.081	3909.217
5	3924.864	3917.105	3899.649	3881.982	3873.279
6	3881.562	3871.271	3847.403	3825.665	3814.583
7	3809.277	3796.676	3769.935	3748.093	3731.859
8	3708.244	3695.778	3668.933	3648.838	3628.145
9	3577.968	3568.505	3545.513	3527.247	3505.967
10	3422.743	3420.235	3401.030	3386.810	3370.756
11	3249.832	3251.778	3240.128	3230.016	3216.018
12	3068.199	3069.323	3065.172	3061.985	3048.587
13	2881.124	2882.446	2885.603	2886.097	2873.434
14	2689.077	2690.312	2700.696	2704.631	2693.815
15	2496.789	2499.291	2512.991	2520.595	2511.768
16	2307.991	2311.604	2325.756	2336.245	2329.623
17	2124.721	2132.733	2142.610	2156.471	2150.634
18	1951.143	1959.711	1969.174	1981.337	1977.779
19	1789.111	1795.065	1806.765	1817.575	1812.460
20	1643.645	1643.787	1655.382	1666.711	1663.097
21	1504.715	1505.036	1515.401	1526.860	1521.770
22	1382.828	1380.505	1391.457	1400.982	1398.326
23	1277.235	1273.542	1283.882	1291.029	1291.004
24	1184.220	1181.039	1189.285	1194.888	1195.333
25	1101.687	1100.019	1104.930	1110.422	1110.101
26	1029.526	1027.098	1029.069	1034.455	1032.182
27	961.942	958.322	959.514	963.054	962.232
28	895.494	890.985	889.583	893.647	899.009
29	825.958	822.993	820.108	822.301	824.914
30	755.094	749.479	743.926	748.373	749.825
31	673.031	669.250	664.055	666.699	668.756
32	585.834	583.938	578.706	583.616	584.067
33	495.135	494.462	491.064	496.259	497.433
34	405.400	405.888	404.560	409.928	410.663
35	322.601	322.990	323.534	330.088	330.150
36	250.495	252.200	253.732	261.262	260.299
37	190.590	192.900	196.995	201.239	201.356
38	148.486	145.781	150.623	156.689	155.454
39	111.911	113.937	120.047	120.967	124.951
40	91.422	91.953	94.770	97.358	98.828
41	76.356	77.820	79.765	80.371	81.001
42	66.868	67.220	68.647	69.833	69.314
43	59.912	60.215	61.123	61.271	61.104
44	54.495	54.865	55.372	55.255	54.946
45	49.985	50.399	50.702	50.424	50.134
46	46.014	46.384	46.637	46.292	46.001
47	42.326	42.703	42.919	42.585	42.221
48	39.002	39.355	39.552	39.225	38.848
49	36.025	36.315	36.488	36.173	35.778
50	33.307	33.530	33.702	33.400	33.023
51	30.867	31.071	31.201	30.923	30.571
52	28.687	28.847	28.940	28.711	28.353

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-950-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	26.753	26.858	26.945	26.747	26.395
54	25.017	25.098	25.160	24.962	24.653
55	23.418	23.461	23.529	23.331	23.072
56	21.873	21.935	21.966	21.811	21.601
57	20.483	20.527	20.545	20.409	20.242
58	19.254	19.285	19.297	19.168	19.013
59	18.148	18.161	18.155	18.037	17.908
60	17.142	17.135	17.129	17.018	16.907
61	16.221	16.196	16.184	16.079	15.974
62	15.369	15.344	15.313	15.214	15.109
63	14.584	14.541	14.510	14.405	14.300
64	13.812	13.775	13.738	13.633	13.534
65	13.083	13.052	13.003	12.904	12.805
66	12.367	12.336	12.274	12.181	12.082
67	11.675	11.644	11.582	11.483	11.397
68	10.995	10.964	10.903	10.798	10.717
69	10.316	10.291	10.229	10.131	10.038
70	9.655	9.618	9.562	9.470	9.371
71	8.994	8.945	8.895	8.809	8.716
72	8.327	8.277	8.234	8.148	8.074
73	7.660	7.616	7.573	7.499	7.413
74	6.993	6.962	6.912	6.850	6.789
75	6.344	6.319	6.270	6.214	6.159
76	5.689	5.677	5.627	5.584	5.541
77	5.053	5.041	5.003	4.973	4.936
78	4.404	4.398	4.380	4.343	4.336
79	3.756	3.750	3.737	3.725	3.719
80	3.076	3.089	3.076	3.089	3.064
81	2.329	2.353	2.335	2.335	2.310
82	1.316	1.347	1.365	1.378	1.390
83	0.593	0.605	0.686	0.735	0.791
84	0.544	0.550	0.550	0.544	0.544
85	0.500	0.500	0.500	0.500	0.500
86	0.445	0.445	0.451	0.445	0.445
87	0.377	0.377	0.377	0.383	0.377
88	0.290	0.297	0.297	0.297	0.290
89	0.198	0.204	0.204	0.204	0.204
90	0.117	0.124	0.136	0.142	0.142
91	0.117	0.124	0.124	0.124	0.117
92	0.117	0.117	0.124	0.124	0.124
93	0.117	0.124	0.124	0.124	0.124
94	0.117	0.124	0.124	0.124	0.124
95	0.124	0.124	0.124	0.130	0.124
96	0.124	0.124	0.130	0.130	0.124
97	0.124	0.130	0.130	0.130	0.124
98	0.124	0.136	0.136	0.130	0.130
99	0.130	0.136	0.136	0.136	0.130
100	0.130	0.136	0.136	0.136	0.130
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

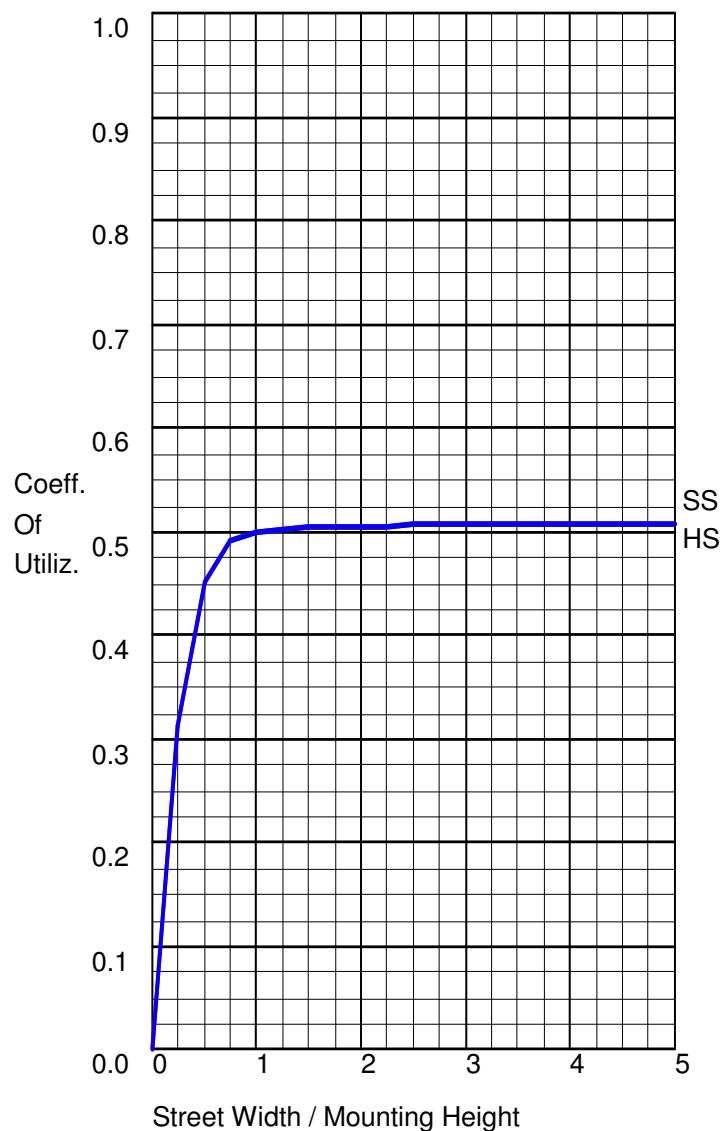
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-950-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L20-950-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

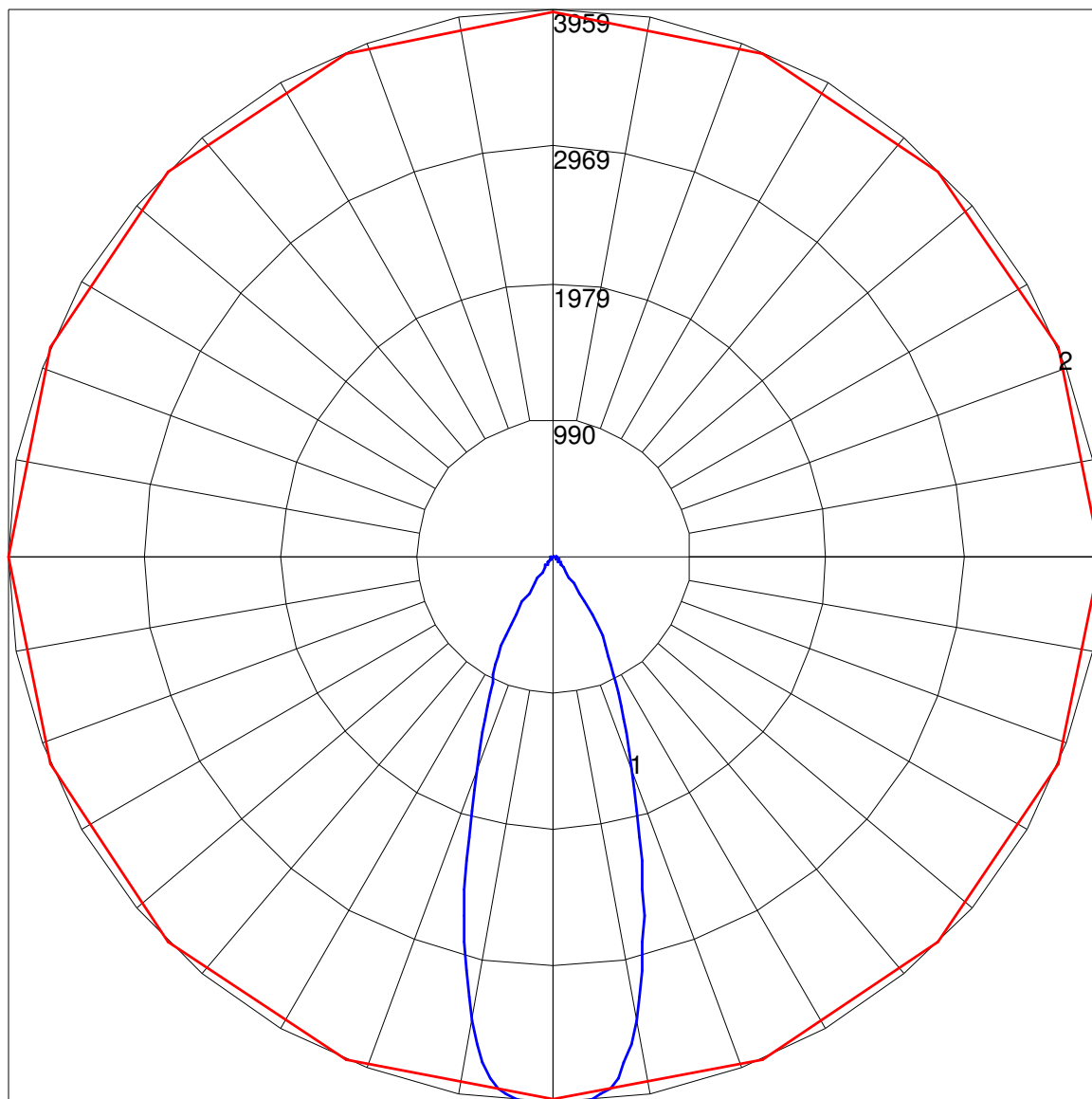
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	929.6	50.0
Downward House Side	929.6	50.0
Downward Total	1859.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1859.4	100.0

POLAR GRAPH



Maximum Candela = 3958.739 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

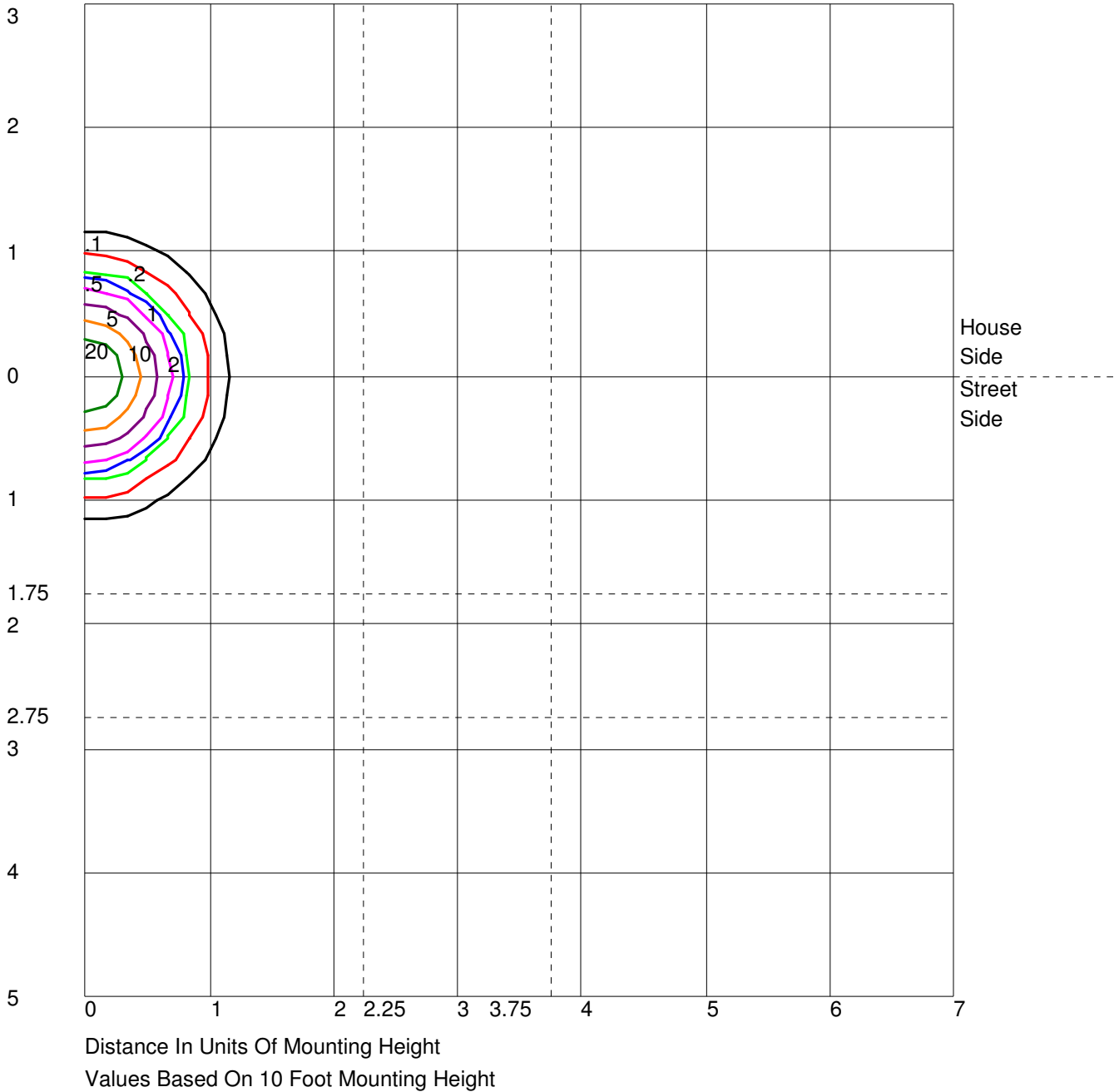


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