

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-950-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
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L40-950-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	3807
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	37783.459
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	37783.459
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.269 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.175 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1682.9	N.A.	44.2
FM - Front-Medium (30-60)	201.3	N.A.	5.3
FH - Front-High (60-80)	18.5	N.A.	0.5
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1682.9	N.A.	44.2
BM - Back-Medium (30-60)	201.3	N.A.	5.3
BH - Back-High (60-80)	18.5	N.A.	0.5
BVH - Back-Very High (80-90)	0.9	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	3807.5	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	37783.45937783.45937783.45937783.45937783.459				
1	37133.55137148.28537149.81337154.21537158.103				
2	35563.70535483.42035609.87535529.99435601.010				
3	33000.85032974.81832998.51433183.34333133.859				
4	29378.39729710.35729778.70829773.85429843.159				
5	25576.81325621.58925717.35426007.02026025.349				
6	21249.52521326.38721702.98921888.66222106.553				
7	17216.72217126.92417483.84117903.04417938.136				
8	13243.84513429.39513812.82114100.22514228.551				
9	10096.87710273.75810571.21310895.04211050.464				
10	7664.867 7733.866 8087.702 8366.840 8505.890				
11	5830.164 5905.167 6185.699 6461.377 6528.224				
12	4520.272 4621.245 4835.909 4984.703 5063.924				
13	3698.507 3685.705 3816.330 3958.791 4028.340				
14	2974.599 3001.866 3127.208 3267.163 3289.013				
15	2524.779 2540.161 2666.628 2719.120 2816.585				
16	2208.469 2218.019 2290.319 2355.723 2388.199				
17	1984.109 1990.272 2045.002 2097.542 2124.638				
18	1825.178 1829.837 1871.911 1915.086 1935.457				
19	1716.782 1721.062 1754.797 1785.598 1808.806				
20	1649.813 1646.231 1671.015 1695.079 1712.124				
21	1596.135 1596.367 1611.762 1629.565 1644.910				
22	1561.691 1558.291 1571.191 1581.426 1597.407				
23	1533.299 1526.843 1536.930 1545.440 1560.309				
24	1504.650 1498.145 1504.210 1509.724 1525.094				
25	1473.372 1468.506 1469.619 1474.852 1488.278				
26	1437.241 1431.836 1430.723 1435.504 1446.729				
27	1394.983 1386.766 1383.856 1386.778 1399.923				
28	1338.982 1329.640 1323.086 1325.764 1339.960				
29	1265.972 1257.853 1244.171 1248.560 1261.436				
30	1171.503 1164.228 1147.330 1152.037 1162.981				
31	1053.350 1047.396 1031.084 1036.318 1047.078				
32	915.768 912.846 899.114 907.331 916.551				
33	766.325 765.910 756.653 767.120 776.413				
34	614.572 616.797 613.165 624.953 632.399				
35	472.820 477.650 476.940 494.034 495.502				
36	349.385 352.234 360.866 371.724 376.835				
37	253.009 248.191 264.588 275.397 287.441				
38	174.423 172.797 183.985 195.112 198.438				
39	117.187 125.502 133.474 139.233 141.850				
40	85.481 89.602 95.704 104.006 103.541				
41	68.033 69.977 74.171 77.436 79.135				
42	58.630 59.156 61.846 63.607 64.548				
43	53.556 53.629 55.109 55.842 56.380				
44	50.719 50.829 51.404 51.551 51.868				
45	49.068 49.191 49.276 49.191 49.423				
46	47.968 48.041 47.882 47.711 47.907				
47	47.100 47.088 46.806 46.623 46.696				
48	46.415 46.305 45.914 45.767 45.743				
49	45.865 45.657 45.192 44.972 44.899				
50	45.437 45.119 44.569 44.300 44.153				
51	45.107 44.715 44.018 43.725 43.529				
52	44.899 44.385 43.591 43.236 42.991				

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53	44.740	44.129	43.224	42.796	42.588
54	44.544	43.860	42.808	42.307	42.062
55	43.884	43.163	42.087	41.512	41.377
56	42.735	42.038	40.901	40.338	40.399
57	41.255	40.680	39.470	38.969	39.201
58	39.592	39.115	37.893	37.465	37.807
59	37.660	37.281	36.120	35.765	36.230
60	35.569	35.227	34.224	33.955	34.444
61	33.381	33.051	32.244	32.048	32.488
62	31.155	30.850	30.238	30.104	30.471
63	28.967	28.698	28.270	28.147	28.416
64	26.827	26.558	26.350	26.240	26.448
65	24.870	24.601	24.540	24.430	24.614
66	23.000	22.780	22.780	22.706	22.853
67	21.288	21.141	21.178	21.117	21.239
68	19.772	19.662	19.723	19.649	19.759
69	18.378	18.304	18.353	18.304	18.378
70	17.094	17.069	17.094	17.045	17.094
71	15.908	15.908	15.920	15.859	15.883
72	14.832	14.795	14.807	14.746	14.746
73	13.780	13.731	13.719	13.658	13.658
74	12.753	12.680	12.680	12.606	12.619
75	11.714	11.640	11.628	11.543	11.579
76	10.650	10.589	10.589	10.503	10.552
77	9.586	9.550	9.537	9.476	9.525
78	8.510	8.449	8.449	8.400	8.461
79	7.361	7.312	7.336	7.300	7.385
80	6.114	6.101	6.114	6.138	6.175
81	4.695	4.720	4.708	4.720	4.720
82	2.678	2.751	2.825	2.800	2.861
83	1.272	1.284	1.431	1.492	1.577
84	1.162	1.162	1.162	1.149	1.149
85	1.076	1.064	1.064	1.052	1.064
86	0.966	0.954	0.954	0.954	0.954
87	0.819	0.819	0.819	0.807	0.807
88	0.648	0.648	0.648	0.636	0.624
89	0.440	0.440	0.428	0.428	0.416
90	0.245	0.257	0.269	0.269	0.269
91	0.245	0.245	0.232	0.220	0.220
92	0.245	0.245	0.232	0.232	0.220
93	0.257	0.257	0.232	0.232	0.220
94	0.269	0.257	0.245	0.232	0.232
95	0.269	0.257	0.245	0.245	0.232
96	0.281	0.257	0.257	0.245	0.245
97	0.281	0.257	0.269	0.257	0.257
98	0.281	0.269	0.269	0.257	0.257
99	0.281	0.269	0.269	0.257	0.269
100	0.281	0.281	0.281	0.269	0.269
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

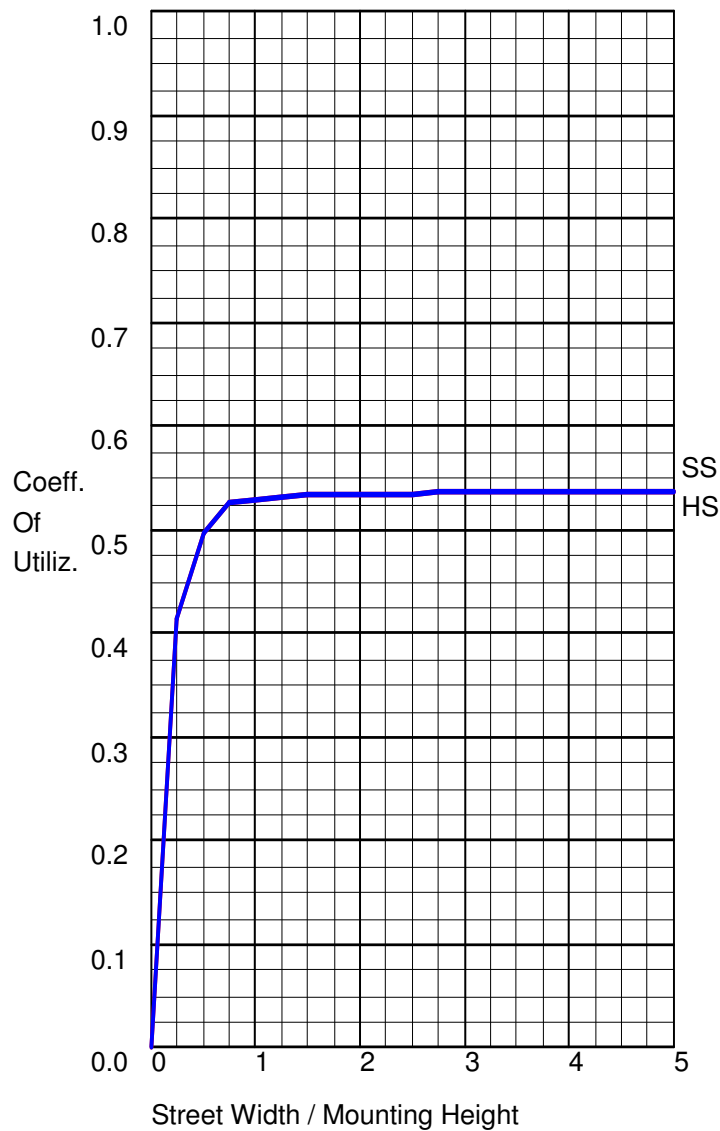
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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-L40-950-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

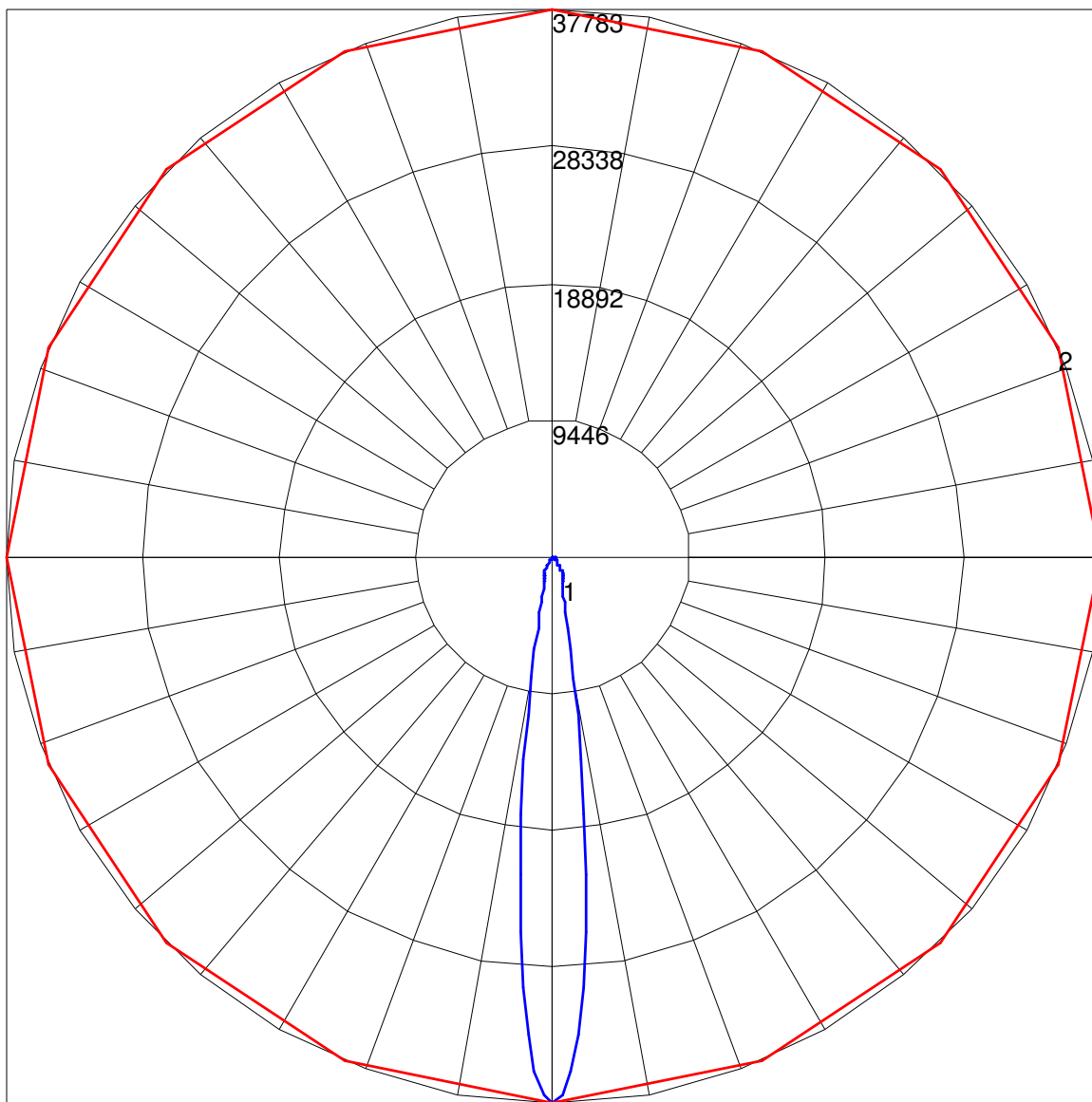
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1903.6	50.0
Downward House Side	1903.6	50.0
Downward Total	3807.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3807.4	100.0

POLAR GRAPH



Maximum Candela = 37783.459 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

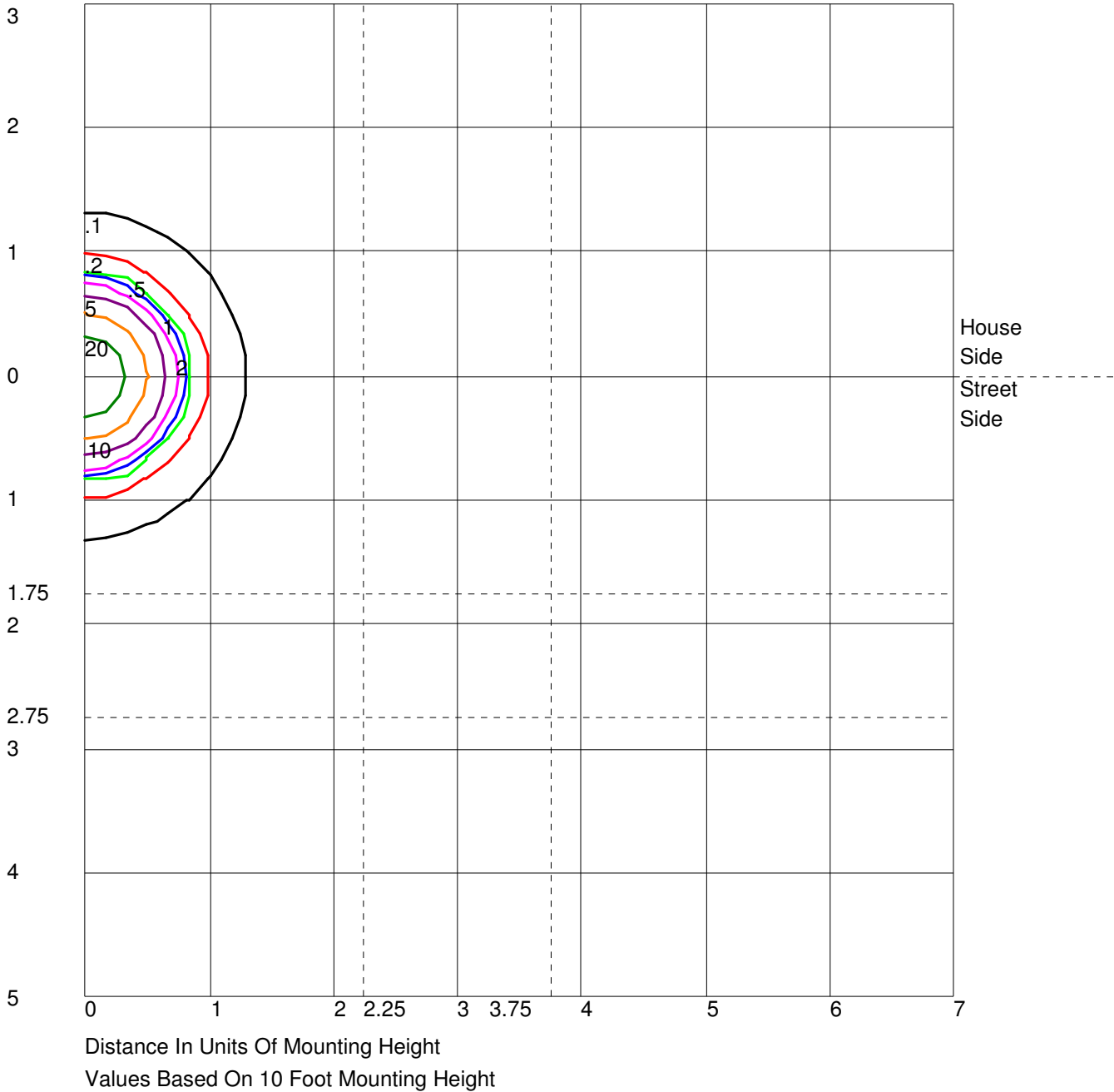


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