

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-827-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-L40-827-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	3928
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	38976.629
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	38976.629
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.277 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.37 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-827-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1736.0	N.A.	44.2
FM - Front-Medium (30-60)	207.6	N.A.	5.3
FH - Front-High (60-80)	19.1	N.A.	0.5
FVH - Front-Very High (80-90)	1.0	N.A.	0.0
BL - Back-Low (0-30)	1736.0	N.A.	44.2
BM - Back-Medium (30-60)	207.6	N.A.	5.3
BH - Back-High (60-80)	19.1	N.A.	0.5
BVH - Back-Very High (80-90)	1.0	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	3927.7	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	38976.629	38976.629	38976.629	38976.629	38976.629
1	38306.197	38321.396	38322.973	38327.514	38331.525
2	36686.776	36603.956	36734.405	36652.001	36725.260
3	34042.989	34016.135	34040.579	34231.245	34180.198
4	30306.141	30648.585	30719.094	30714.087	30785.580
5	26384.507	26430.697	26529.486	26828.300	26847.207
6	21920.567	21999.856	22388.351	22579.887	22804.659
7	17760.411	17667.778	18035.966	18468.407	18504.607
8	13662.074	13853.484	14249.018	14545.498	14677.876
9	10415.728	10598.195	10905.043	11239.099	11399.429
10	7906.917	7978.095	8343.104	8631.058	8774.498
11	6014.276	6091.647	6381.038	6665.422	6734.380
12	4663.018	4767.180	4988.623	5142.116	5223.839
13	3815.303	3802.097	3936.847	4083.806	4155.552
14	3068.534	3096.662	3225.963	3370.337	3392.877
15	2604.509	2620.377	2750.838	2804.988	2905.530
16	2278.211	2288.062	2362.645	2430.115	2463.616
17	2046.766	2053.123	2109.581	2163.781	2191.733
18	1882.816	1887.621	1931.024	1975.563	1996.577
19	1770.997	1775.412	1810.212	1841.986	1865.926
20	1701.913	1698.217	1723.785	1748.608	1766.191
21	1646.540	1646.779	1662.660	1681.025	1696.855
22	1611.008	1607.501	1620.808	1631.366	1647.852
23	1581.719	1575.059	1585.465	1594.244	1609.582
24	1552.166	1545.455	1551.711	1557.400	1573.255
25	1519.900	1514.880	1516.028	1521.427	1535.276
26	1482.627	1477.052	1475.904	1480.836	1492.415
27	1439.035	1430.559	1427.557	1430.572	1444.131
28	1381.265	1371.629	1364.868	1367.630	1382.274
29	1305.950	1297.575	1283.460	1287.989	1301.271
30	1208.498	1200.993	1183.562	1188.418	1199.707
31	1086.614	1080.472	1063.645	1069.044	1080.144
32	944.687	941.673	927.508	935.984	945.495
33	790.525	790.096	780.548	791.345	800.931
34	633.979	636.275	632.529	644.688	652.370
35	487.751	492.733	492.002	509.635	511.149
36	360.418	363.357	372.262	383.463	388.735
37	260.998	256.029	272.943	284.094	296.518
38	179.931	178.254	189.795	201.273	204.704
39	120.888	129.465	137.689	143.630	146.329
40	88.181	92.432	98.726	107.290	106.811
41	70.181	72.187	76.513	79.881	81.635
42	60.482	61.024	63.799	65.615	66.587
43	55.247	55.323	56.849	57.606	58.161
44	52.321	52.434	53.027	53.178	53.506
45	50.618	50.744	50.832	50.744	50.984
46	49.483	49.558	49.394	49.218	49.420
47	48.587	48.575	48.284	48.095	48.171
48	47.881	47.767	47.364	47.212	47.187
49	47.313	47.099	46.619	46.392	46.317
50	46.872	46.544	45.976	45.699	45.547
51	46.531	46.128	45.409	45.106	44.904
52	46.317	45.787	44.967	44.601	44.349

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53	46.153	45.522	44.589	44.147	43.933
54	45.951	45.245	44.160	43.643	43.390
55	45.270	44.526	43.416	42.823	42.684
56	44.084	43.365	42.192	41.612	41.675
57	42.558	41.965	40.716	40.199	40.439
58	40.842	40.351	39.089	38.648	39.001
59	38.850	38.459	37.260	36.894	37.374
60	36.693	36.339	35.305	35.028	35.532
61	34.435	34.094	33.262	33.060	33.514
62	32.139	31.824	31.193	31.054	31.433
63	29.881	29.604	29.162	29.036	29.314
64	27.674	27.396	27.182	27.069	27.283
65	25.656	25.378	25.315	25.202	25.391
66	23.726	23.499	23.499	23.423	23.575
67	21.960	21.809	21.847	21.783	21.910
68	20.396	20.282	20.346	20.270	20.383
69	18.958	18.882	18.933	18.882	18.958
70	17.634	17.608	17.634	17.583	17.634
71	16.410	16.410	16.423	16.360	16.385
72	15.300	15.262	15.275	15.212	15.212
73	14.215	14.165	14.152	14.089	14.089
74	13.156	13.080	13.080	13.005	13.017
75	12.084	12.008	11.995	11.907	11.945
76	10.986	10.923	10.923	10.835	10.885
77	9.889	9.851	9.839	9.775	9.826
78	8.779	8.716	8.716	8.665	8.729
79	7.593	7.543	7.568	7.530	7.619
80	6.307	6.294	6.307	6.332	6.370
81	4.844	4.869	4.856	4.869	4.869
82	2.762	2.838	2.914	2.888	2.952
83	1.312	1.324	1.476	1.539	1.627
84	1.198	1.198	1.198	1.186	1.186
85	1.110	1.097	1.097	1.085	1.097
86	0.996	0.984	0.984	0.984	0.984
87	0.845	0.845	0.845	0.832	0.832
88	0.669	0.669	0.669	0.656	0.643
89	0.454	0.454	0.441	0.441	0.429
90	0.252	0.265	0.277	0.277	0.277
91	0.252	0.252	0.240	0.227	0.227
92	0.252	0.252	0.240	0.240	0.227
93	0.265	0.265	0.240	0.240	0.227
94	0.277	0.265	0.252	0.240	0.240
95	0.277	0.265	0.252	0.252	0.240
96	0.290	0.265	0.265	0.252	0.252
97	0.290	0.265	0.277	0.265	0.265
98	0.290	0.277	0.277	0.265	0.265
99	0.290	0.277	0.277	0.265	0.277
100	0.290	0.290	0.290	0.277	0.277
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

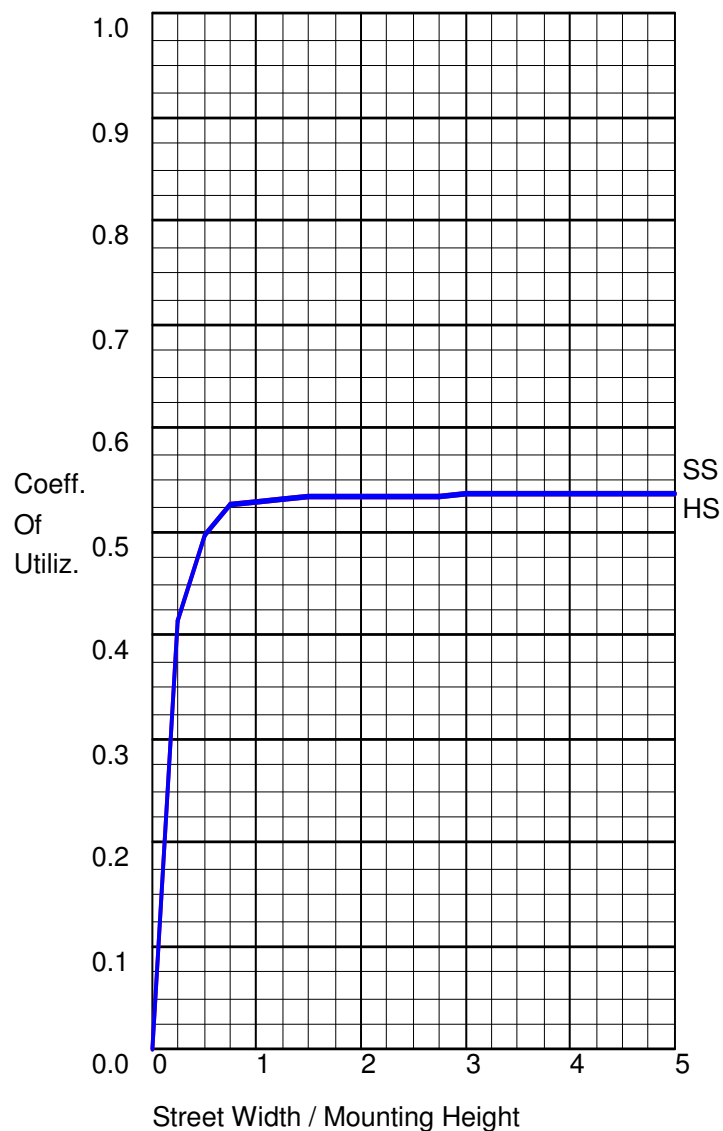
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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

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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

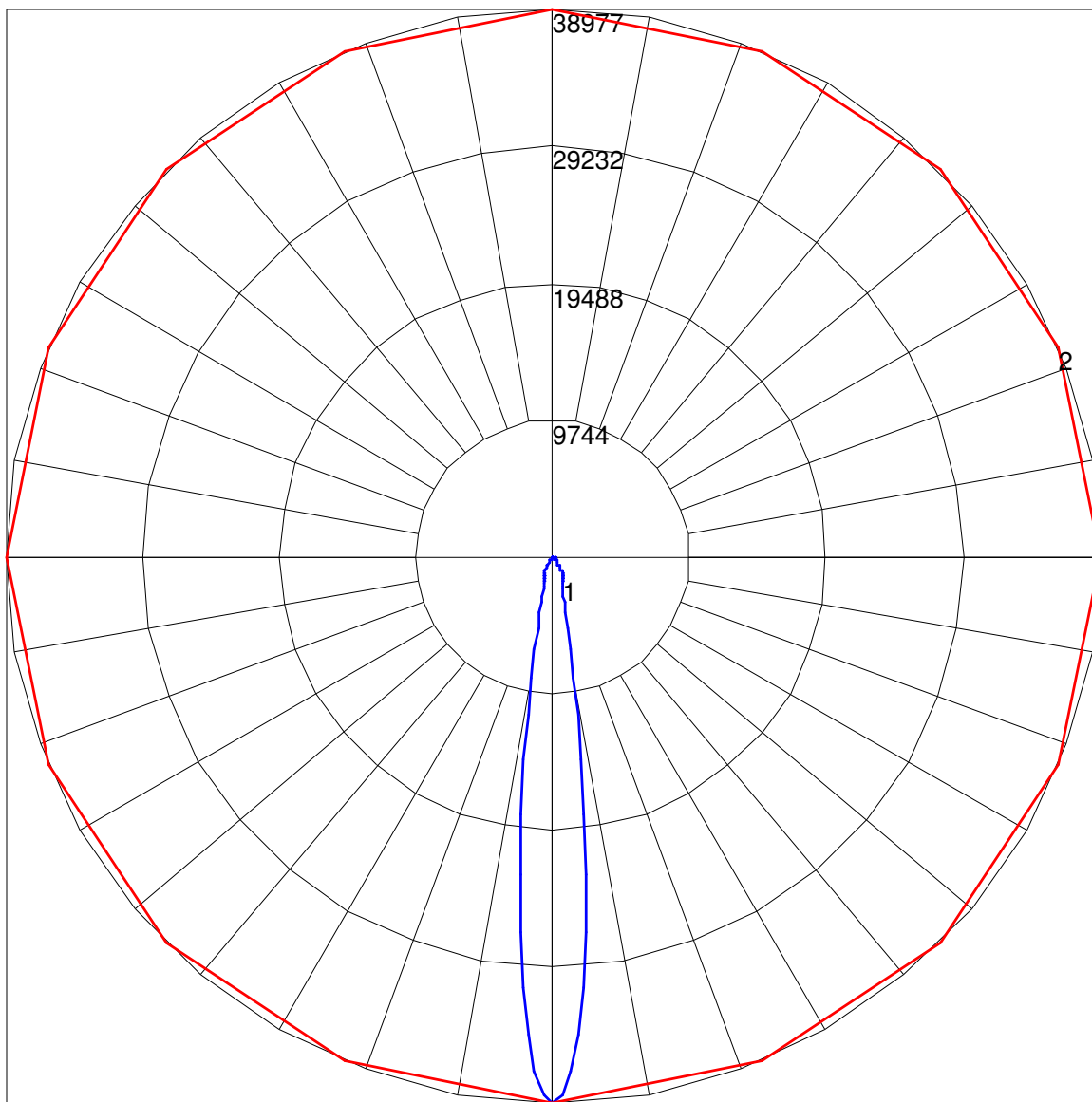
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1963.7	50.0
Downward House Side	1963.7	50.0
Downward Total	3927.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3927.6	100.0

POLAR GRAPH



Maximum Candela = 38976.629 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

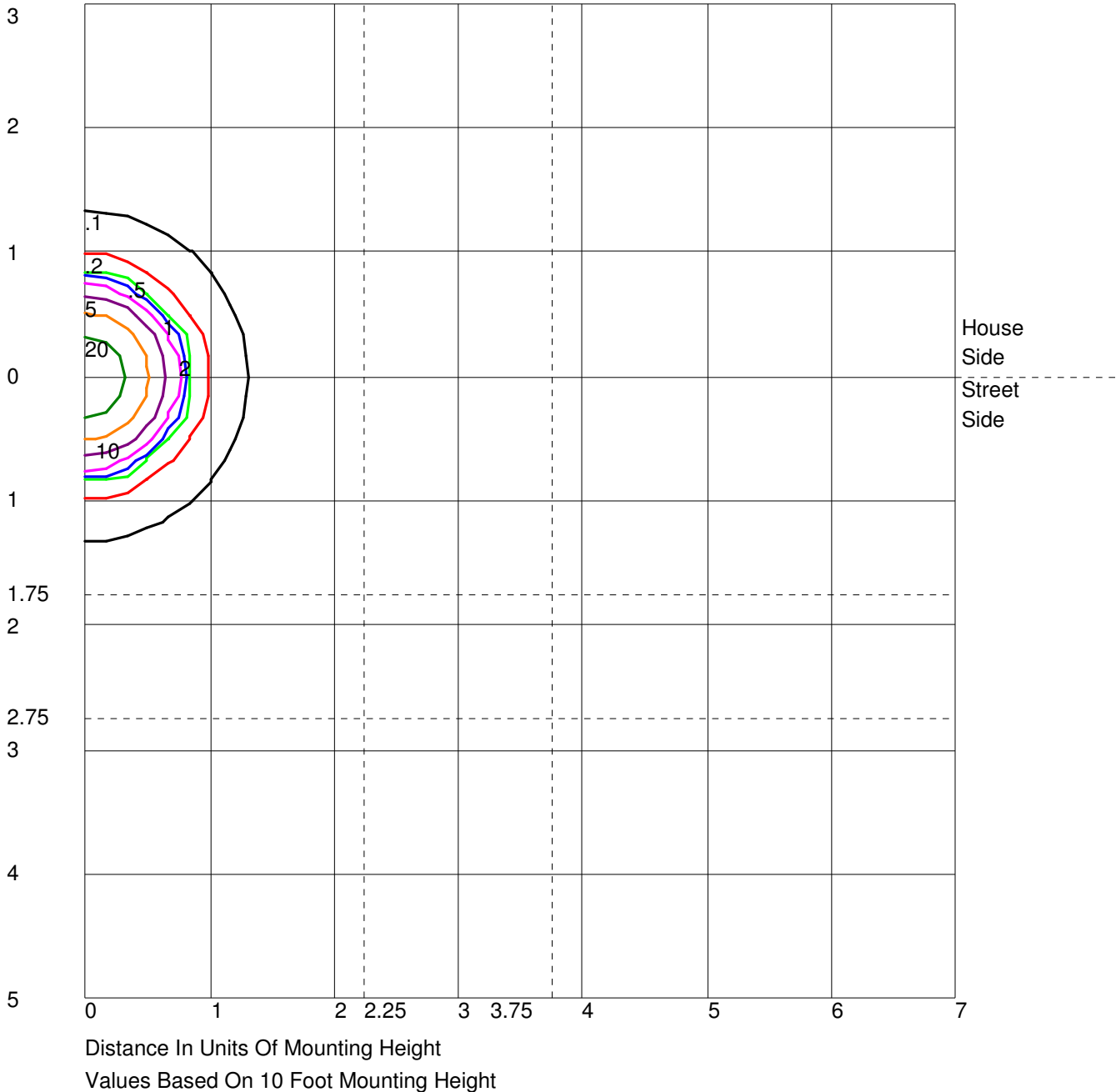


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