

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-827-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-L30-827-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	2750
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5854.86
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	5854.86
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.21 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.568 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-827-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1151.7	N.A.	41.9
FM - Front-Medium (30-60)	208.0	N.A.	7.6
FH - Front-High (60-80)	14.5	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1151.7	N.A.	41.9
BM - Back-Medium (30-60)	208.0	N.A.	7.6
BH - Back-High (60-80)	14.5	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	2750.0	N.A.	100.0
BUG Rating	B3-U1-G0		

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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	5841.585	5841.585	5841.585	5841.585	5841.585
1	5849.095	5848.949	5846.309	5844.427	5842.061
2	5854.860	5851.215	5844.006	5837.118	5830.111
3	5851.662	5847.231	5834.295	5821.414	5810.177
4	5841.448	5832.011	5812.451	5793.248	5781.618
5	5804.759	5793.284	5767.467	5741.338	5728.466
6	5740.717	5725.497	5690.196	5658.047	5641.657
7	5633.810	5615.173	5575.624	5543.319	5519.310
8	5484.384	5465.948	5426.244	5396.525	5365.920
9	5291.710	5277.714	5243.710	5216.696	5185.223
10	5062.136	5058.427	5030.024	5008.993	4985.249
11	4806.406	4809.284	4792.054	4777.099	4756.397
12	4537.777	4539.440	4533.300	4528.586	4508.771
13	4261.099	4263.054	4267.722	4268.453	4249.725
14	3977.066	3978.894	3994.251	4000.070	3984.074
15	3692.678	3696.378	3716.641	3727.887	3714.832
16	3413.451	3418.795	3439.725	3455.238	3445.444
17	3142.400	3154.249	3168.857	3189.358	3180.725
18	2885.684	2898.355	2912.351	2930.340	2925.077
19	2646.042	2654.849	2672.152	2688.140	2680.576
20	2430.903	2431.113	2448.261	2465.016	2459.672
21	2225.429	2225.904	2241.234	2258.181	2250.653
22	2045.162	2041.726	2057.924	2072.012	2068.083
23	1888.994	1883.531	1898.824	1909.394	1909.358
24	1751.427	1746.722	1758.918	1767.204	1767.862
25	1629.363	1626.897	1634.160	1642.281	1641.806
26	1522.639	1519.048	1521.963	1529.929	1526.567
27	1422.684	1417.330	1419.093	1424.328	1423.113
28	1324.410	1317.741	1315.667	1321.678	1329.608
29	1221.568	1217.183	1212.916	1216.160	1220.024
30	1116.762	1108.457	1100.244	1106.822	1108.969
31	995.393	989.801	982.118	986.028	989.071
32	866.431	863.627	855.889	863.152	863.819
33	732.290	731.294	726.270	733.953	735.689
34	599.574	600.296	598.332	606.271	607.358
35	477.118	477.693	478.497	488.190	488.282
36	370.476	372.997	375.263	386.399	384.974
37	281.876	285.293	291.350	297.627	297.800
38	219.607	215.605	222.768	231.739	229.912
39	165.514	168.510	177.545	178.907	184.799
40	135.210	135.996	140.162	143.990	146.164
41	112.928	115.093	117.971	118.866	119.798
42	98.895	99.416	101.526	103.280	102.513
43	88.608	89.056	90.399	90.618	90.371
44	80.596	81.144	81.893	81.720	81.263
45	73.927	74.539	74.987	74.576	74.146
46	68.053	68.601	68.975	68.464	68.034
47	62.599	63.156	63.476	62.982	62.443
48	57.684	58.204	58.497	58.012	57.455
49	53.280	53.709	53.965	53.499	52.915
50	49.260	49.589	49.845	49.397	48.840
51	45.652	45.953	46.145	45.734	45.213
52	42.427	42.664	42.801	42.463	41.933

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-827-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	39.567	39.723	39.850	39.558	39.037
54	37.000	37.119	37.210	36.918	36.461
55	34.634	34.698	34.798	34.506	34.122
56	32.350	32.441	32.487	32.259	31.948
57	30.294	30.358	30.386	30.185	29.938
58	28.476	28.522	28.540	28.348	28.120
59	26.841	26.859	26.850	26.677	26.485
60	25.352	25.343	25.334	25.169	25.005
61	23.991	23.954	23.936	23.781	23.625
62	22.730	22.693	22.648	22.502	22.346
63	21.570	21.506	21.460	21.305	21.149
64	20.428	20.373	20.318	20.163	20.017
65	19.350	19.304	19.231	19.085	18.939
66	18.290	18.244	18.153	18.016	17.870
67	17.267	17.221	17.130	16.983	16.856
68	16.262	16.216	16.125	15.969	15.851
69	15.257	15.220	15.129	14.983	14.846
70	14.279	14.224	14.142	14.005	13.859
71	13.302	13.229	13.156	13.028	12.891
72	12.315	12.242	12.178	12.050	11.941
73	11.328	11.264	11.201	11.091	10.963
74	10.342	10.296	10.223	10.132	10.040
75	9.382	9.346	9.273	9.191	9.108
76	8.414	8.396	8.323	8.259	8.195
77	7.473	7.455	7.400	7.354	7.300
78	6.514	6.505	6.477	6.422	6.413
79	5.555	5.545	5.527	5.509	5.500
80	4.550	4.568	4.550	4.568	4.531
81	3.444	3.481	3.453	3.453	3.417
82	1.946	1.992	2.019	2.037	2.056
83	0.877	0.895	1.014	1.087	1.169
84	0.804	0.813	0.813	0.804	0.804
85	0.740	0.740	0.740	0.740	0.740
86	0.658	0.658	0.667	0.658	0.658
87	0.557	0.557	0.557	0.566	0.557
88	0.429	0.439	0.439	0.439	0.429
89	0.292	0.301	0.301	0.301	0.301
90	0.174	0.183	0.201	0.210	0.210
91	0.174	0.183	0.183	0.183	0.174
92	0.174	0.174	0.183	0.183	0.183
93	0.174	0.183	0.183	0.183	0.183
94	0.174	0.183	0.183	0.183	0.183
95	0.183	0.183	0.183	0.192	0.183
96	0.183	0.183	0.192	0.192	0.183
97	0.183	0.192	0.192	0.192	0.183
98	0.183	0.201	0.201	0.192	0.192
99	0.192	0.201	0.201	0.201	0.192
100	0.192	0.201	0.201	0.201	0.192
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

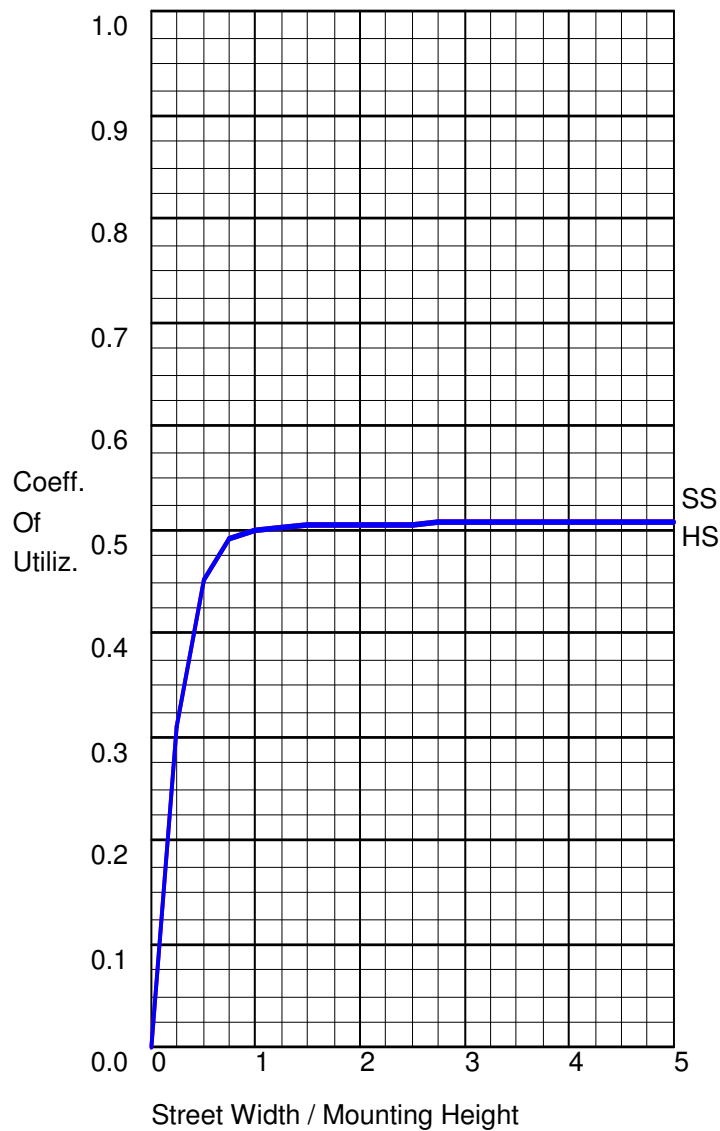
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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-L30-827-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

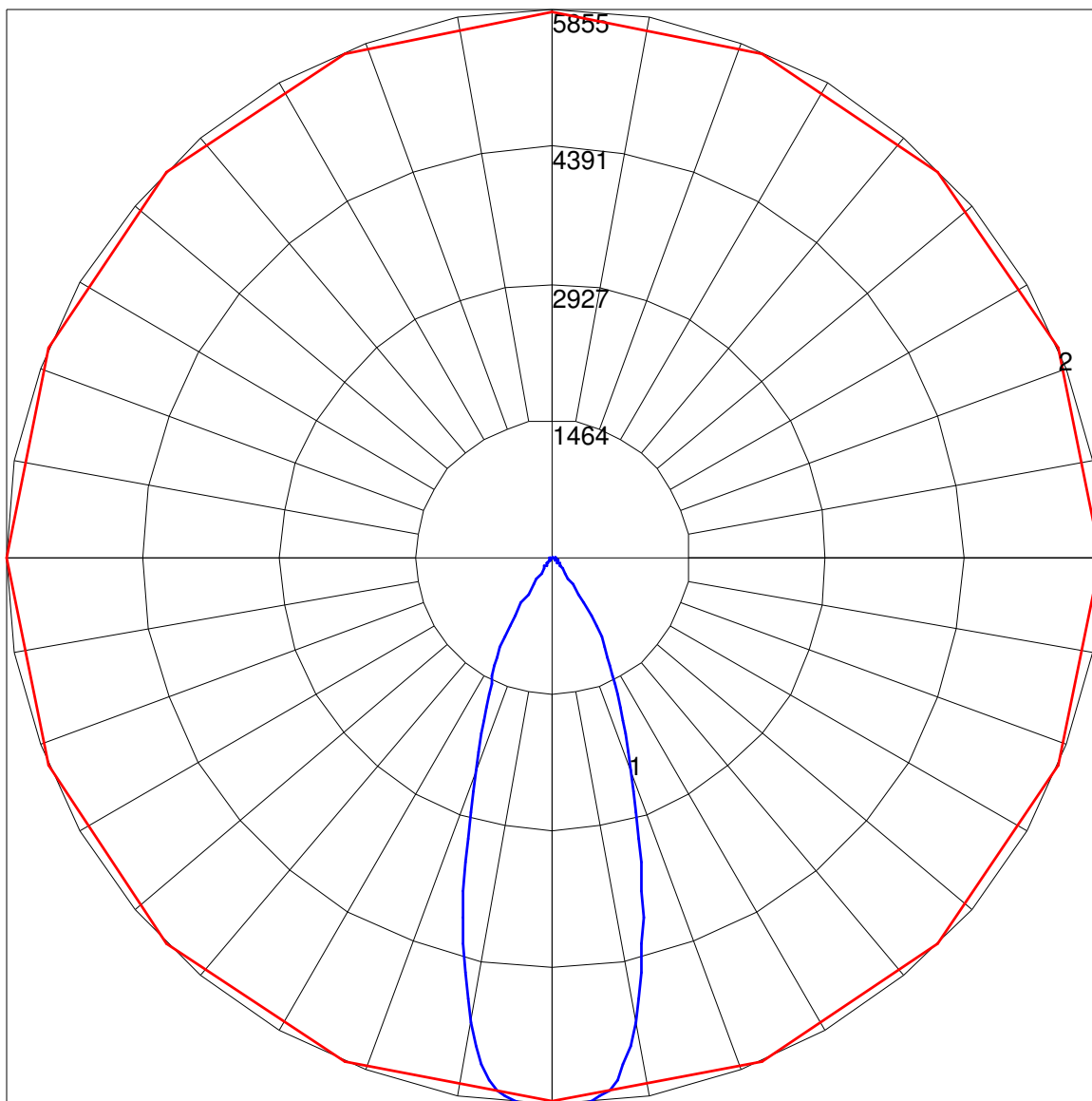
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1374.9	50.0
Downward House Side	1374.9	50.0
Downward Total	2749.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2750.0	100.0

POLAR GRAPH



Maximum Candela = 5854.86 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

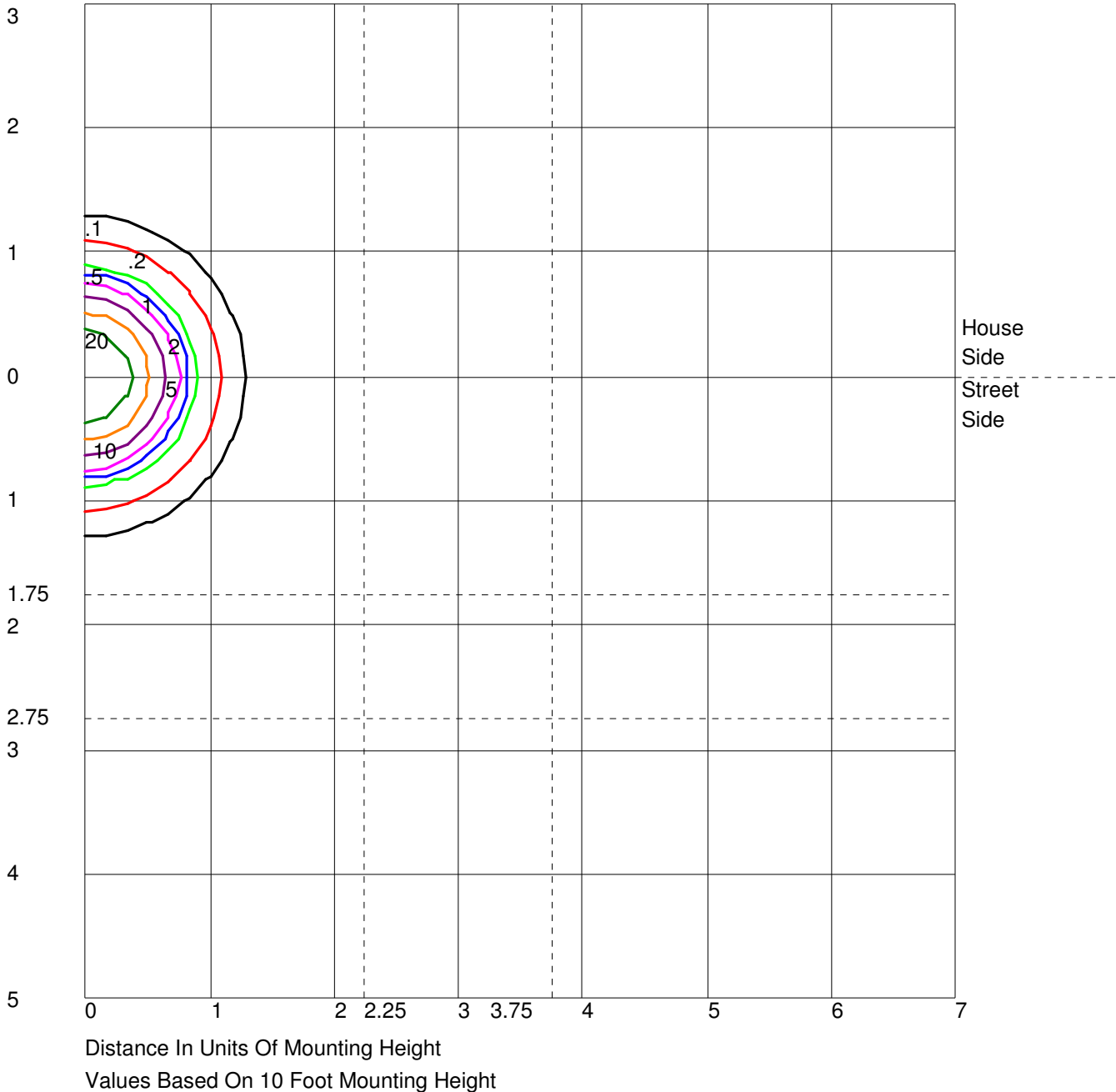


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