

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-940-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-L20-940-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	2079
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	20627.391
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	20627.391
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.147 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.371 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-940-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	918.8	N.A.	44.2
FM - Front-Medium (30-60)	109.9	N.A.	5.3
FH - Front-High (60-80)	10.1	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	918.8	N.A.	44.2
BM - Back-Medium (30-60)	109.9	N.A.	5.3
BH - Back-High (60-80)	10.1	N.A.	0.5
BVH - Back-Very High (80-90)	0.5	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	2078.8	N.A.	100.0
BUG Rating	B2-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	20627.391	20627.391	20627.391	20627.391	20627.391
1	20272.582	20280.626	20281.460	20283.863	20285.986
2	19415.545	19371.714	19440.751	19397.141	19435.911
3	18016.387	18002.176	18015.112	18116.017	18089.002
4	16038.756	16219.986	16257.301	16254.651	16292.487
5	13963.330	13987.775	14040.057	14198.196	14208.203
6	11600.904	11642.865	11848.466	11949.832	12068.787
7	9399.247	9350.223	9545.077	9773.935	9793.094
8	7230.306	7331.605	7540.931	7697.835	7767.893
9	5512.259	5608.825	5771.217	5948.008	6032.858
10	4184.535	4222.204	4415.376	4567.768	4643.680
11	3182.903	3223.850	3377.002	3527.505	3564.000
12	2467.784	2522.909	2640.102	2721.334	2764.584
13	2019.152	2012.163	2083.476	2161.251	2199.220
14	1623.944	1638.830	1707.259	1783.665	1795.594
15	1378.370	1386.768	1455.811	1484.469	1537.678
16	1205.685	1210.899	1250.370	1286.077	1303.806
17	1083.199	1086.563	1116.442	1145.126	1159.919
18	996.432	998.976	1021.946	1045.516	1056.638
19	937.255	939.592	958.009	974.824	987.494
20	900.694	898.738	912.269	925.406	934.712
21	871.389	871.516	879.920	889.640	898.017
22	852.585	850.729	857.772	863.359	872.084
23	837.085	833.560	839.067	843.713	851.831
24	821.444	817.893	821.204	824.215	832.605
25	804.369	801.712	802.319	805.176	812.506
26	784.643	781.692	781.085	783.695	789.823
27	761.573	757.087	755.498	757.094	764.270
28	731.000	725.900	722.322	723.784	731.534
29	691.141	686.709	679.239	681.635	688.664
30	639.567	635.595	626.370	628.940	634.914
31	575.063	571.812	562.907	565.764	571.639
32	499.952	498.356	490.860	495.346	500.379
33	418.365	418.138	413.085	418.799	423.873
34	335.517	336.732	334.750	341.185	345.250
35	258.130	260.767	260.379	269.712	270.513
36	190.742	192.297	197.010	202.938	205.728
37	138.127	135.497	144.448	150.349	156.925
38	95.224	94.336	100.444	106.519	108.335
39	63.977	68.516	72.868	76.012	77.441
40	46.668	48.917	52.248	56.781	56.527
41	37.142	38.203	40.493	42.275	43.203
42	32.008	32.295	33.764	34.725	35.239
43	29.238	29.278	30.086	30.486	30.780
44	27.689	27.750	28.063	28.143	28.317
45	26.788	26.855	26.902	26.855	26.982
46	26.187	26.228	26.141	26.047	26.154
47	25.714	25.707	25.553	25.453	25.493
48	25.340	25.280	25.066	24.986	24.973
49	25.039	24.926	24.672	24.552	24.512
50	24.806	24.632	24.332	24.185	24.105
51	24.625	24.412	24.031	23.871	23.764
52	24.512	24.232	23.798	23.604	23.471

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53	24.425	24.091	23.597	23.364	23.250
54	24.318	23.945	23.370	23.097	22.963
55	23.958	23.564	22.977	22.663	22.589
56	23.330	22.950	22.329	22.022	22.055
57	22.523	22.209	21.548	21.274	21.401
58	21.615	21.355	20.687	20.453	20.640
59	20.560	20.353	19.719	19.525	19.779
60	19.419	19.232	18.684	18.538	18.805
61	18.224	18.044	17.603	17.496	17.736
62	17.009	16.842	16.508	16.435	16.635
63	15.814	15.667	15.433	15.367	15.514
64	14.646	14.499	14.385	14.325	14.439
65	13.578	13.431	13.397	13.337	13.438
66	12.556	12.436	12.436	12.396	12.476
67	11.622	11.542	11.562	11.528	11.595
68	10.794	10.734	10.767	10.727	10.787
69	10.033	9.993	10.020	9.993	10.033
70	9.332	9.319	9.332	9.305	9.332
71	8.685	8.685	8.691	8.658	8.671
72	8.097	8.077	8.084	8.050	8.050
73	7.523	7.496	7.490	7.456	7.456
74	6.962	6.922	6.922	6.882	6.889
75	6.395	6.355	6.348	6.302	6.322
76	5.814	5.781	5.781	5.734	5.761
77	5.233	5.213	5.207	5.173	5.200
78	4.646	4.613	4.613	4.586	4.619
79	4.019	3.992	4.005	3.985	4.032
80	3.338	3.331	3.338	3.351	3.371
81	2.563	2.577	2.570	2.577	2.577
82	1.462	1.502	1.542	1.529	1.562
83	0.694	0.701	0.781	0.814	0.861
84	0.634	0.634	0.634	0.627	0.627
85	0.587	0.581	0.581	0.574	0.581
86	0.527	0.521	0.521	0.521	0.521
87	0.447	0.447	0.447	0.441	0.441
88	0.354	0.354	0.354	0.347	0.340
89	0.240	0.240	0.234	0.234	0.227
90	0.134	0.140	0.147	0.147	0.147
91	0.134	0.134	0.127	0.120	0.120
92	0.134	0.134	0.127	0.127	0.120
93	0.140	0.140	0.127	0.127	0.120
94	0.147	0.140	0.134	0.127	0.127
95	0.147	0.140	0.134	0.134	0.127
96	0.154	0.140	0.140	0.134	0.134
97	0.154	0.140	0.147	0.140	0.140
98	0.154	0.147	0.147	0.140	0.140
99	0.154	0.147	0.147	0.140	0.147
100	0.154	0.154	0.154	0.147	0.147
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

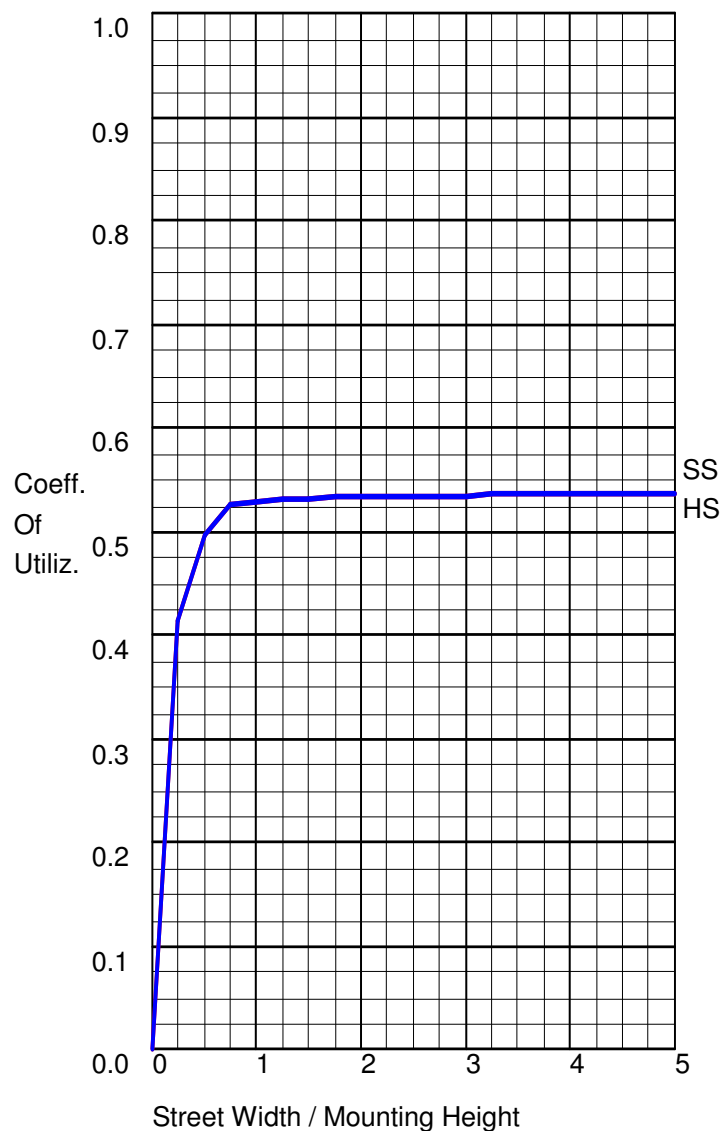
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000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

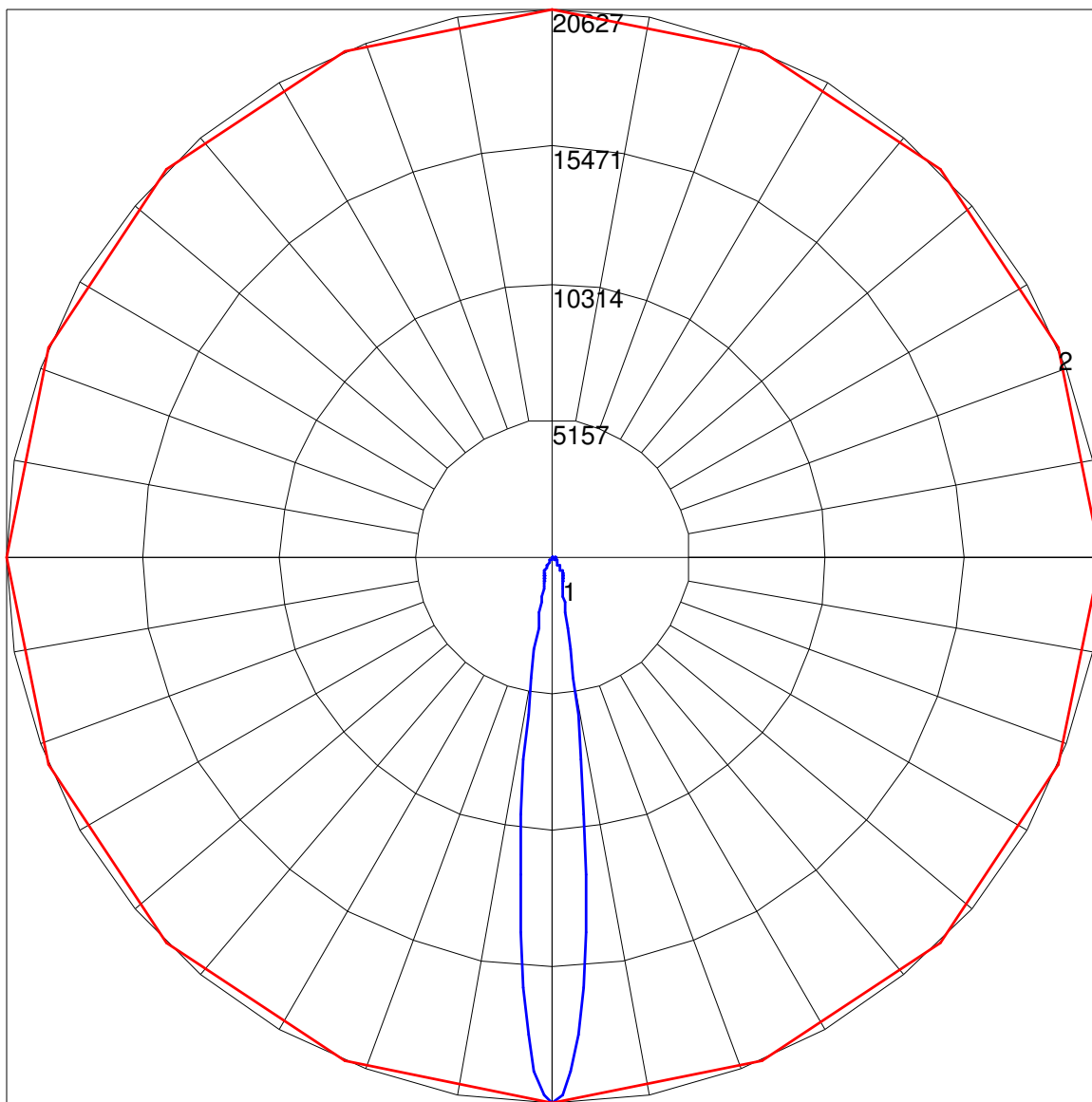
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1039.2	50.0
Downward House Side	1039.2	50.0
Downward Total	2078.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2078.6	100.0

POLAR GRAPH



Maximum Candela = 20627.391 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

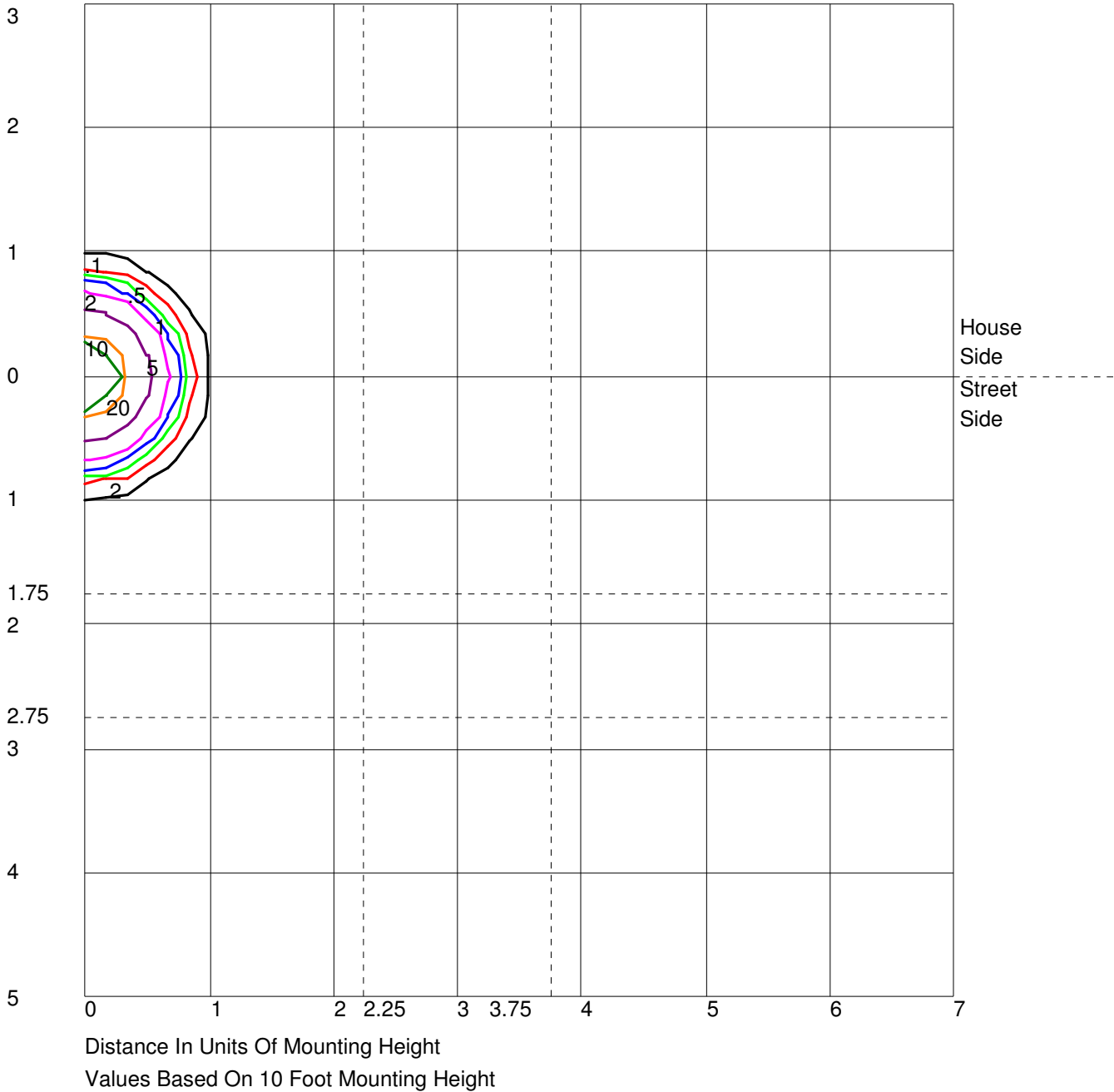


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