

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-830-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
[ISSUE DATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L20-830-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	2143
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	21265.353
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	21265.353
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.151 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.475 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-830-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	947.2	N.A.	44.2
FM - Front-Medium (30-60)	113.3	N.A.	5.3
FH - Front-High (60-80)	10.4	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	947.2	N.A.	44.2
BM - Back-Medium (30-60)	113.3	N.A.	5.3
BH - Back-High (60-80)	10.4	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	2143.0	N.A.	100.0
BUG Rating	B2-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	21265.353	21265.353	21265.353	21265.353	21265.353
1	20899.570	20907.863	20908.723	20911.200	20913.389
2	20016.026	19970.840	20042.012	19997.053	20037.023
3	18573.596	18558.945	18572.282	18676.307	18648.457
4	16534.801	16721.635	16760.105	16757.373	16796.379
5	14395.186	14420.388	14474.286	14637.316	14647.632
6	11959.695	12002.954	12214.914	12319.415	12442.049
7	9689.946	9639.405	9840.286	10076.222	10095.973
8	7453.924	7558.356	7774.156	7935.913	8008.138
9	5682.742	5782.294	5949.709	6131.967	6219.442
10	4313.954	4352.788	4551.934	4709.040	4787.300
11	3281.343	3323.556	3481.446	3636.604	3674.227
12	2544.107	2600.937	2721.755	2805.499	2850.087
13	2081.600	2074.395	2147.914	2228.094	2267.238
14	1674.169	1689.515	1760.061	1838.830	1851.128
15	1421.000	1429.658	1500.836	1530.380	1585.235
16	1242.974	1248.349	1289.041	1325.852	1344.130
17	1116.700	1120.168	1150.971	1180.543	1195.793
18	1027.250	1029.872	1053.552	1077.852	1089.317
19	966.243	968.651	987.638	1004.973	1018.035
20	928.551	926.534	940.484	954.027	963.621
21	898.340	898.470	907.135	917.154	925.791
22	878.953	877.040	884.301	890.061	899.055
23	862.974	859.340	865.018	869.808	878.176
24	846.850	843.189	846.602	849.706	858.356
25	829.246	826.507	827.133	830.079	837.635
26	808.910	805.868	805.242	807.933	814.251
27	785.127	780.502	778.864	780.509	787.907
28	753.608	748.350	744.662	746.169	754.158
29	712.517	707.947	700.246	702.717	709.963
30	659.348	655.253	645.742	648.392	654.551
31	592.849	589.497	580.317	583.262	589.318
32	515.414	513.769	506.041	510.666	515.855
33	431.305	431.071	425.861	431.752	436.982
34	345.894	347.147	345.103	351.737	355.928
35	266.113	268.832	268.432	278.053	278.879
36	196.641	198.245	203.103	209.214	212.091
37	142.399	139.687	148.916	154.999	161.778
38	98.169	97.254	103.551	109.813	111.685
39	65.955	70.635	75.122	78.363	79.836
40	48.111	50.430	53.864	58.537	58.275
41	38.290	39.385	41.745	43.583	44.539
42	32.998	33.294	34.808	35.799	36.329
43	30.142	30.184	31.016	31.429	31.732
44	28.546	28.608	28.931	29.014	29.193
45	27.617	27.686	27.734	27.686	27.816
46	26.997	27.039	26.949	26.853	26.963
47	26.509	26.502	26.344	26.240	26.282
48	26.123	26.061	25.841	25.759	25.745
49	25.814	25.697	25.435	25.311	25.270
50	25.573	25.394	25.084	24.933	24.850
51	25.387	25.167	24.775	24.609	24.499
52	25.270	24.981	24.534	24.334	24.196

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53	25.181	24.837	24.327	24.086	23.969
54	25.070	24.685	24.093	23.811	23.673
55	24.699	24.293	23.687	23.364	23.288
56	24.052	23.660	23.020	22.703	22.738
57	23.219	22.896	22.215	21.932	22.063
58	22.283	22.015	21.327	21.086	21.279
59	21.196	20.983	20.329	20.129	20.391
60	20.019	19.827	19.262	19.111	19.386
61	18.787	18.602	18.147	18.037	18.285
62	17.535	17.363	17.019	16.943	17.150
63	16.303	16.152	15.911	15.842	15.993
64	15.099	14.947	14.830	14.768	14.885
65	13.998	13.846	13.812	13.750	13.853
66	12.945	12.821	12.821	12.780	12.862
67	11.981	11.899	11.919	11.885	11.954
68	11.128	11.066	11.100	11.059	11.121
69	10.343	10.302	10.330	10.302	10.343
70	9.621	9.607	9.621	9.593	9.621
71	8.953	8.953	8.960	8.926	8.939
72	8.348	8.327	8.334	8.299	8.299
73	7.756	7.728	7.721	7.687	7.687
74	7.178	7.136	7.136	7.095	7.102
75	6.593	6.551	6.545	6.496	6.517
76	5.994	5.960	5.960	5.911	5.939
77	5.395	5.375	5.368	5.333	5.361
78	4.790	4.755	4.755	4.728	4.762
79	4.143	4.115	4.129	4.108	4.157
80	3.441	3.434	3.441	3.455	3.475
81	2.643	2.656	2.650	2.656	2.656
82	1.507	1.548	1.590	1.576	1.610
83	0.716	0.723	0.805	0.840	0.888
84	0.654	0.654	0.654	0.647	0.647
85	0.606	0.599	0.599	0.592	0.599
86	0.544	0.537	0.537	0.537	0.537
87	0.461	0.461	0.461	0.454	0.454
88	0.365	0.365	0.365	0.358	0.351
89	0.248	0.248	0.241	0.241	0.234
90	0.138	0.145	0.151	0.151	0.151
91	0.138	0.138	0.131	0.124	0.124
92	0.138	0.138	0.131	0.131	0.124
93	0.145	0.145	0.131	0.131	0.124
94	0.151	0.145	0.138	0.131	0.131
95	0.151	0.145	0.138	0.138	0.131
96	0.158	0.145	0.145	0.138	0.138
97	0.158	0.145	0.151	0.145	0.145
98	0.158	0.151	0.151	0.145	0.145
99	0.158	0.151	0.151	0.145	0.151
100	0.158	0.158	0.158	0.151	0.151
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

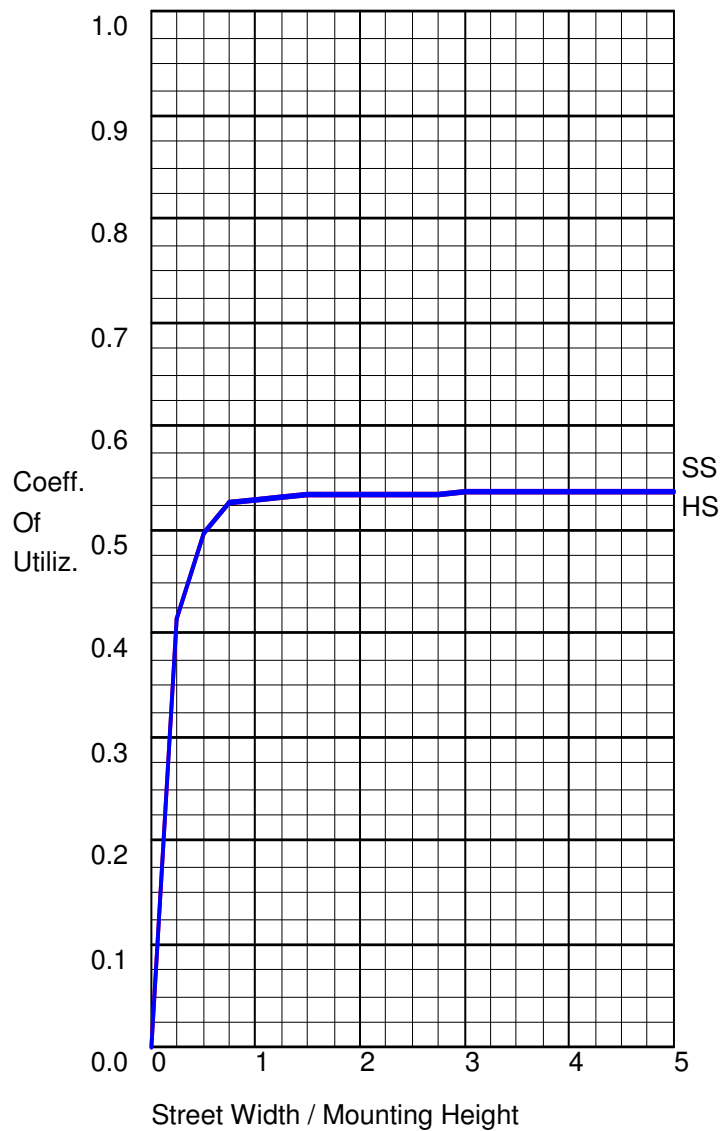
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-830-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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-L20-830-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

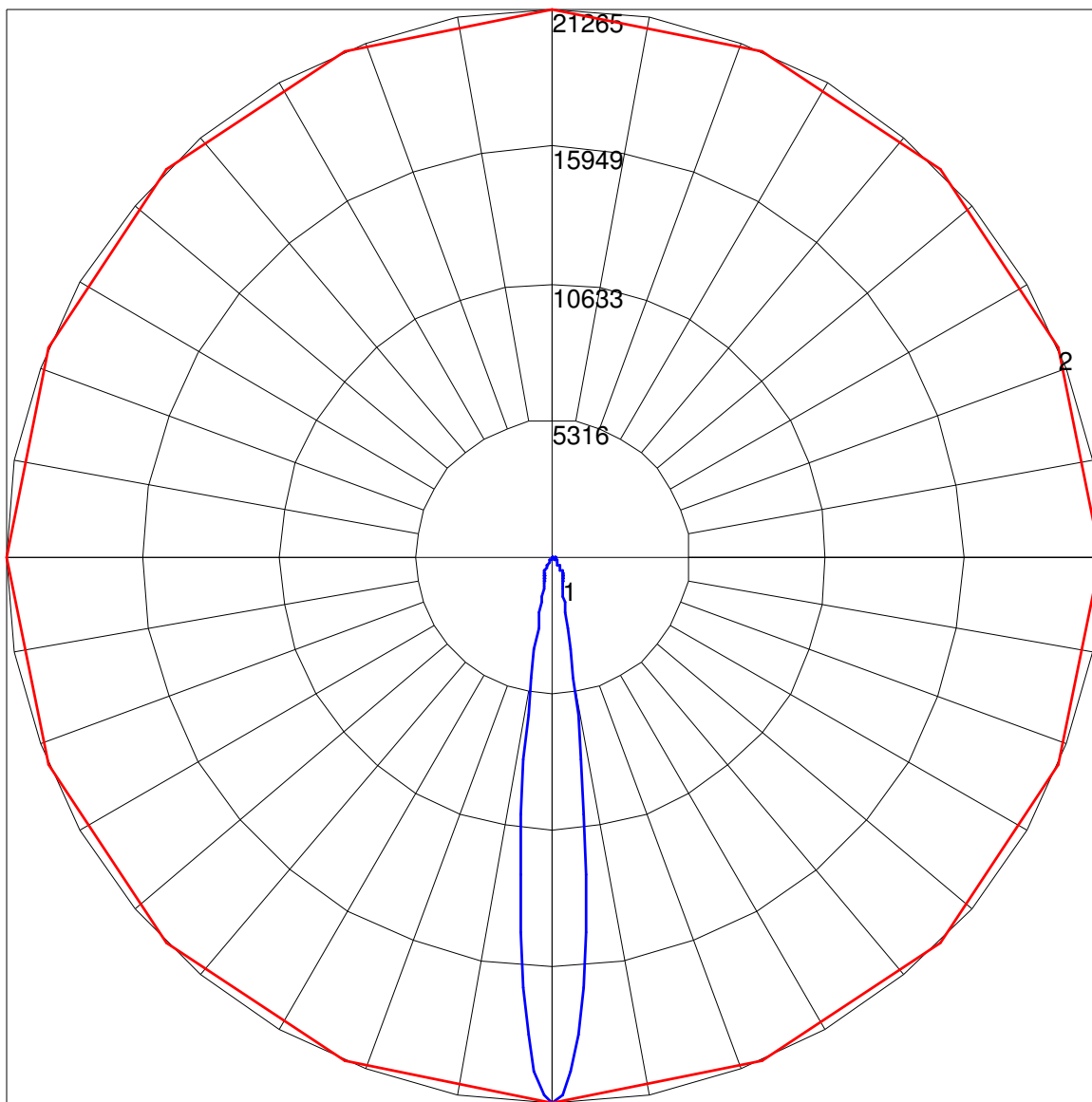
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1071.4	50.0
Downward House Side	1071.4	50.0
Downward Total	2142.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2143.0	100.0

POLAR GRAPH



Maximum Candela = 21265.353 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

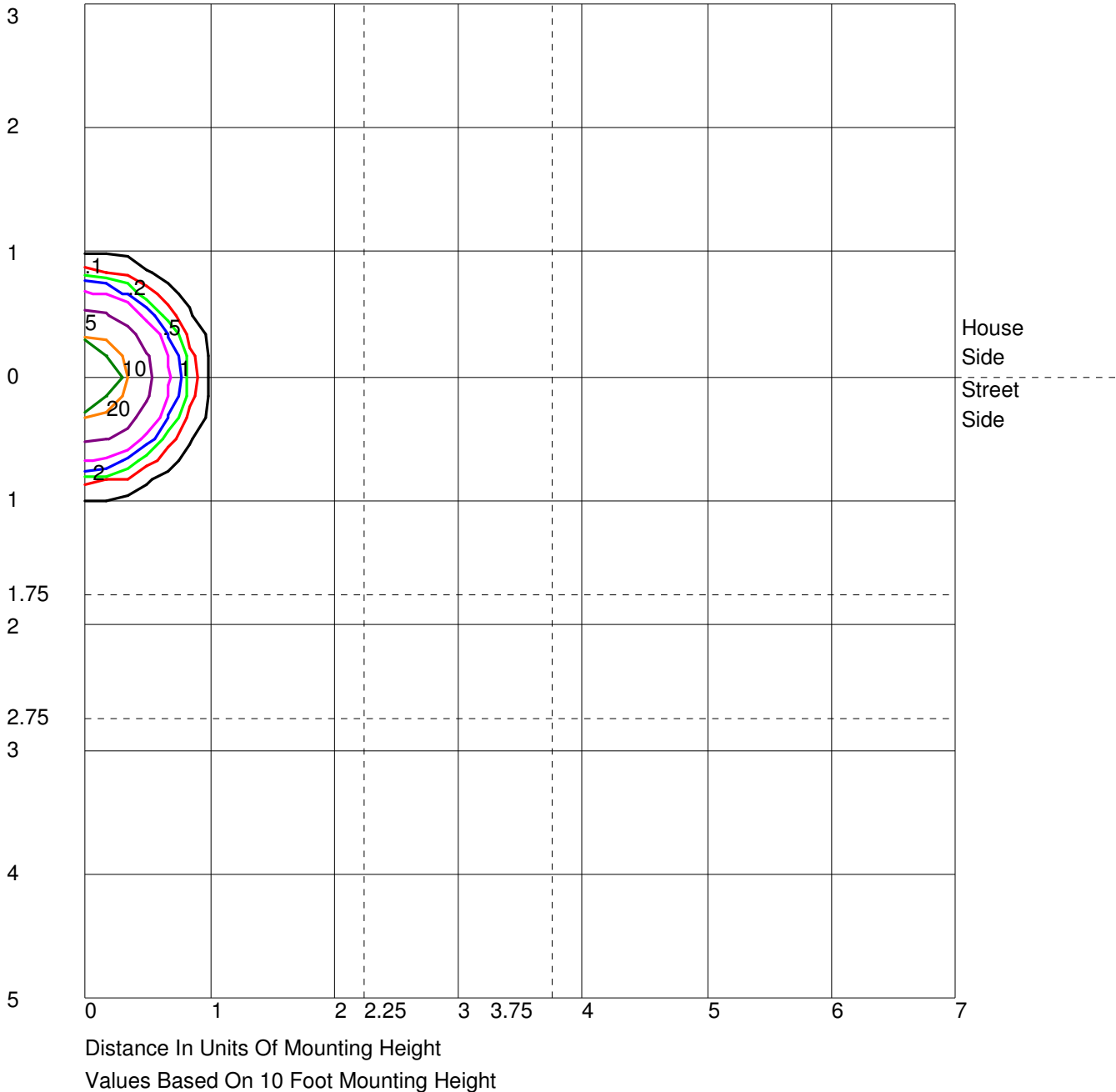


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