

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-827-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-L30-827-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	2988
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	29650.629
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	29650.629
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.211 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.846 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1320.7	N.A.	44.2
FM - Front-Medium (30-60)	157.9	N.A.	5.3
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)	1320.7	N.A.	44.2
BM - Back-Medium (30-60)	157.9	N.A.	5.3
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	2987.8	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	29650.629	29650.629	29650.629	29650.629	29650.629
1	29140.613	29152.175	29153.374	29156.829	29159.880
2	27908.673	27845.670	27944.906	27882.219	27937.949
3	25897.469	25877.040	25895.636	26040.681	26001.848
4	23054.743	23315.250	23368.888	23365.079	23419.466
5	20071.444	20106.582	20181.734	20409.050	20423.434
6	16675.599	16735.916	17031.455	17177.162	17348.153
7	13510.850	13440.381	13720.472	14049.442	14076.981
8	10393.128	10538.739	10839.633	11065.174	11165.878
9	7923.540	8062.348	8295.776	8549.902	8671.869
10	6015.017	6069.164	6346.837	6565.891	6675.010
11	4575.231	4634.089	4854.237	5070.576	5123.034
12	3547.290	3626.529	3794.987	3911.754	3973.923
13	2902.410	2892.363	2994.871	3106.668	3161.247
14	2334.321	2355.719	2454.082	2563.911	2581.058
15	1981.324	1993.395	2092.641	2133.834	2210.319
16	1733.100	1740.594	1797.331	1848.657	1874.143
17	1557.033	1561.869	1604.818	1646.050	1667.313
18	1432.311	1435.967	1468.985	1502.867	1518.853
19	1347.248	1350.606	1377.080	1401.251	1419.463
20	1294.694	1291.882	1311.332	1330.216	1343.592
21	1252.570	1252.752	1264.833	1278.803	1290.846
22	1225.539	1222.872	1232.995	1241.026	1253.567
23	1203.259	1198.192	1206.108	1212.787	1224.455
24	1180.776	1175.672	1180.431	1184.759	1196.820
25	1156.231	1152.412	1153.286	1157.392	1167.928
26	1127.877	1123.636	1122.762	1126.514	1135.323
27	1094.715	1088.267	1085.983	1088.276	1098.592
28	1050.768	1043.437	1038.294	1040.395	1051.535
29	993.473	987.102	976.365	979.810	989.914
30	919.339	913.630	900.369	904.063	912.651
31	826.618	821.945	809.145	813.252	821.696
32	718.650	716.357	705.581	712.030	719.265
33	601.375	601.049	593.785	601.999	609.291
34	482.286	484.032	481.183	490.433	496.276
35	371.046	374.836	374.280	387.694	388.846
36	274.180	276.416	283.190	291.711	295.722
37	198.549	194.768	207.636	216.118	225.570
38	136.879	135.603	144.383	153.114	155.724
39	91.963	98.488	104.744	109.263	111.317
40	67.082	70.315	75.104	81.619	81.254
41	53.389	54.915	58.206	60.768	62.102
42	46.010	46.423	48.534	49.915	50.654
43	42.028	42.086	43.247	43.822	44.245
44	39.802	39.888	40.339	40.454	40.704
45	38.507	38.602	38.670	38.602	38.785
46	37.643	37.700	37.576	37.441	37.595
47	36.962	36.952	36.731	36.587	36.645
48	36.424	36.338	36.031	35.916	35.897
49	35.992	35.829	35.465	35.292	35.234
50	35.657	35.407	34.975	34.764	34.649
51	35.398	35.091	34.544	34.313	34.160
52	35.234	34.831	34.208	33.929	33.738

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

53	35.110	34.630	33.920	33.584	33.421
54	34.956	34.419	33.594	33.200	33.008
55	34.438	33.872	33.028	32.577	32.471
56	33.536	32.989	32.097	31.655	31.703
57	32.375	31.924	30.974	30.581	30.763
58	31.070	30.696	29.736	29.400	29.669
59	29.554	29.256	28.345	28.067	28.431
60	27.913	27.644	26.858	26.647	27.030
61	26.196	25.936	25.303	25.150	25.495
62	24.449	24.209	23.730	23.624	23.912
63	22.732	22.520	22.185	22.089	22.300
64	21.052	20.841	20.678	20.592	20.755
65	19.517	19.306	19.258	19.172	19.316
66	18.049	17.876	17.876	17.819	17.934
67	16.706	16.591	16.619	16.571	16.667
68	15.516	15.429	15.477	15.420	15.506
69	14.422	14.364	14.403	14.364	14.422
70	13.414	13.395	13.414	13.376	13.414
71	12.484	12.484	12.493	12.445	12.464
72	11.639	11.610	11.620	11.572	11.572
73	10.814	10.776	10.766	10.718	10.718
74	10.008	9.950	9.950	9.893	9.902
75	9.192	9.135	9.125	9.058	9.087
76	8.358	8.310	8.310	8.242	8.281
77	7.523	7.494	7.484	7.436	7.475
78	6.678	6.630	6.630	6.592	6.640
79	5.776	5.738	5.757	5.728	5.796
80	4.798	4.788	4.798	4.817	4.846
81	3.685	3.704	3.694	3.704	3.704
82	2.101	2.159	2.217	2.197	2.245
83	0.998	1.008	1.123	1.171	1.238
84	0.912	0.912	0.912	0.902	0.902
85	0.844	0.835	0.835	0.825	0.835
86	0.758	0.748	0.748	0.748	0.748
87	0.643	0.643	0.643	0.633	0.633
88	0.509	0.509	0.509	0.499	0.489
89	0.345	0.345	0.336	0.336	0.326
90	0.192	0.202	0.211	0.211	0.211
91	0.192	0.192	0.182	0.173	0.173
92	0.192	0.192	0.182	0.182	0.173
93	0.202	0.202	0.182	0.182	0.173
94	0.211	0.202	0.192	0.182	0.182
95	0.211	0.202	0.192	0.192	0.182
96	0.221	0.202	0.202	0.192	0.192
97	0.221	0.202	0.211	0.202	0.202
98	0.221	0.211	0.211	0.202	0.202
99	0.221	0.211	0.211	0.202	0.211
100	0.221	0.221	0.221	0.211	0.211
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

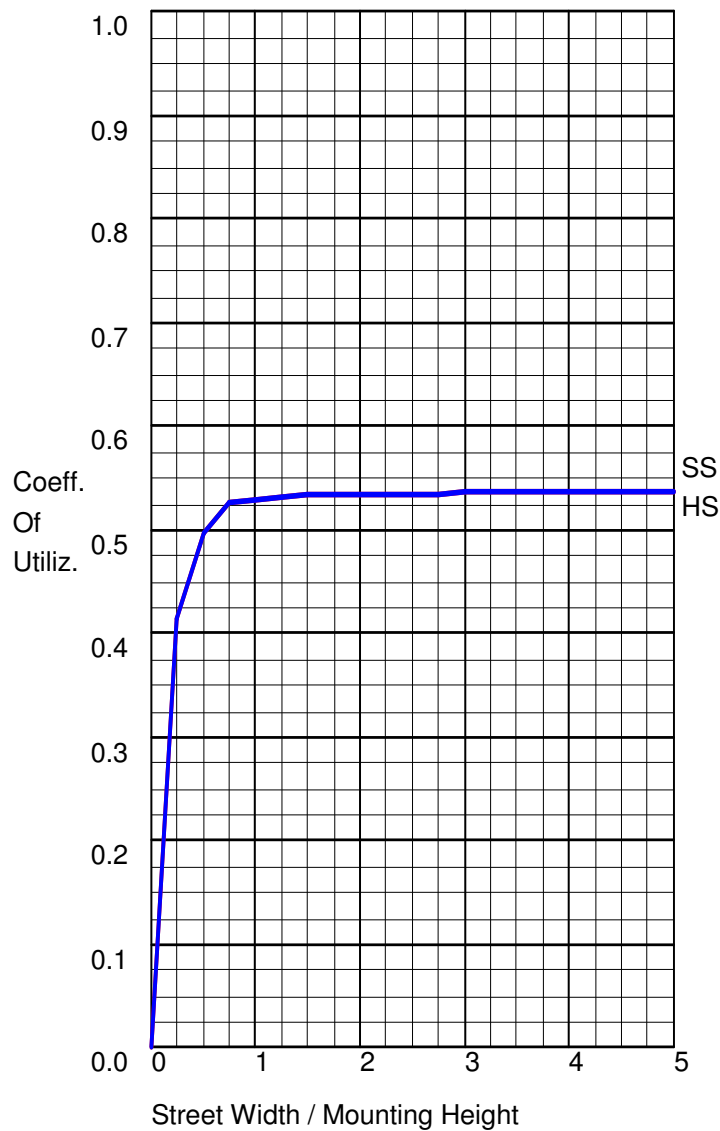
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000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

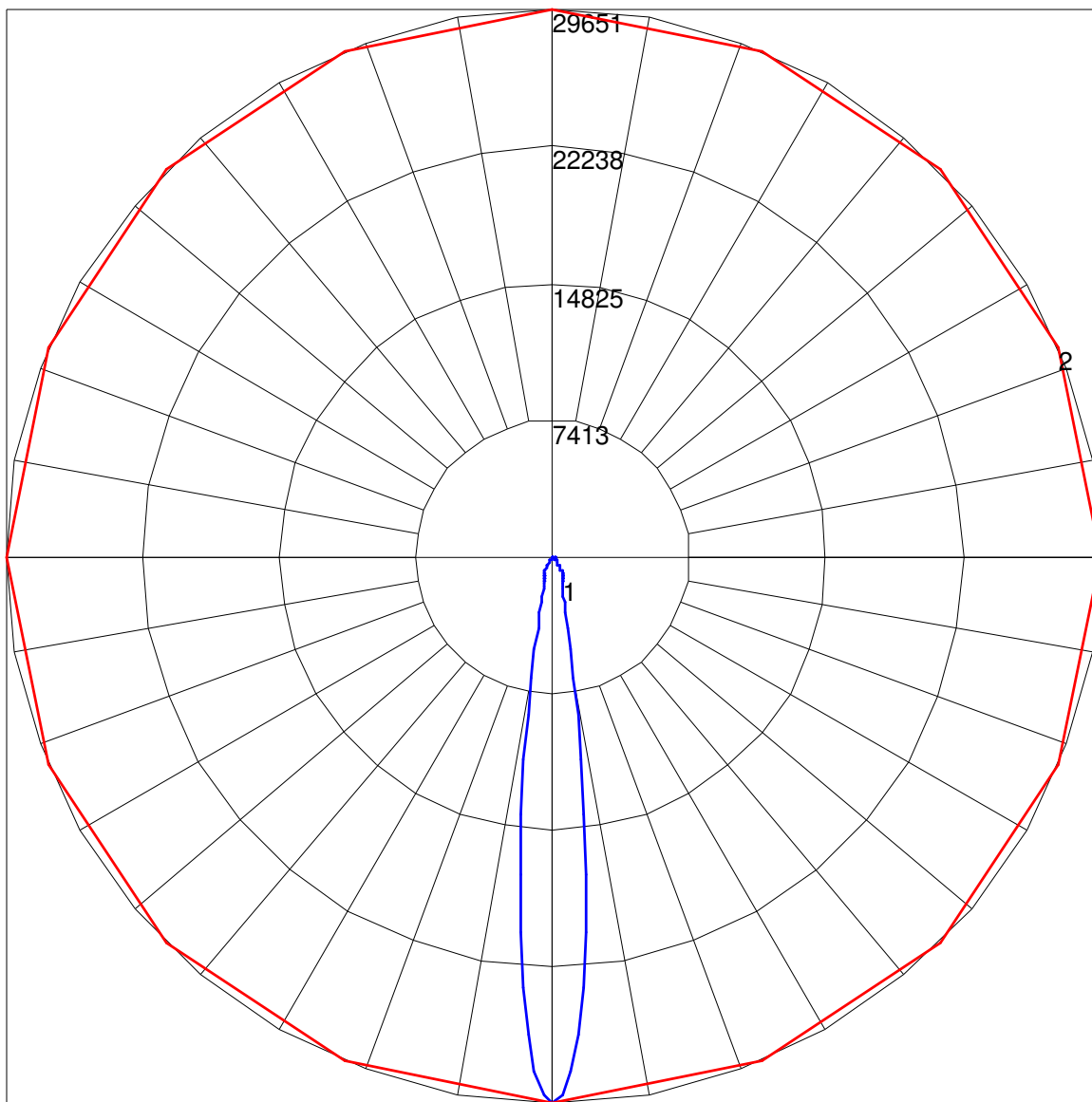
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1493.8	50.0
Downward House Side	1493.8	50.0
Downward Total	2987.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2987.8	100.0

POLAR GRAPH



Maximum Candela = 29650.629 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

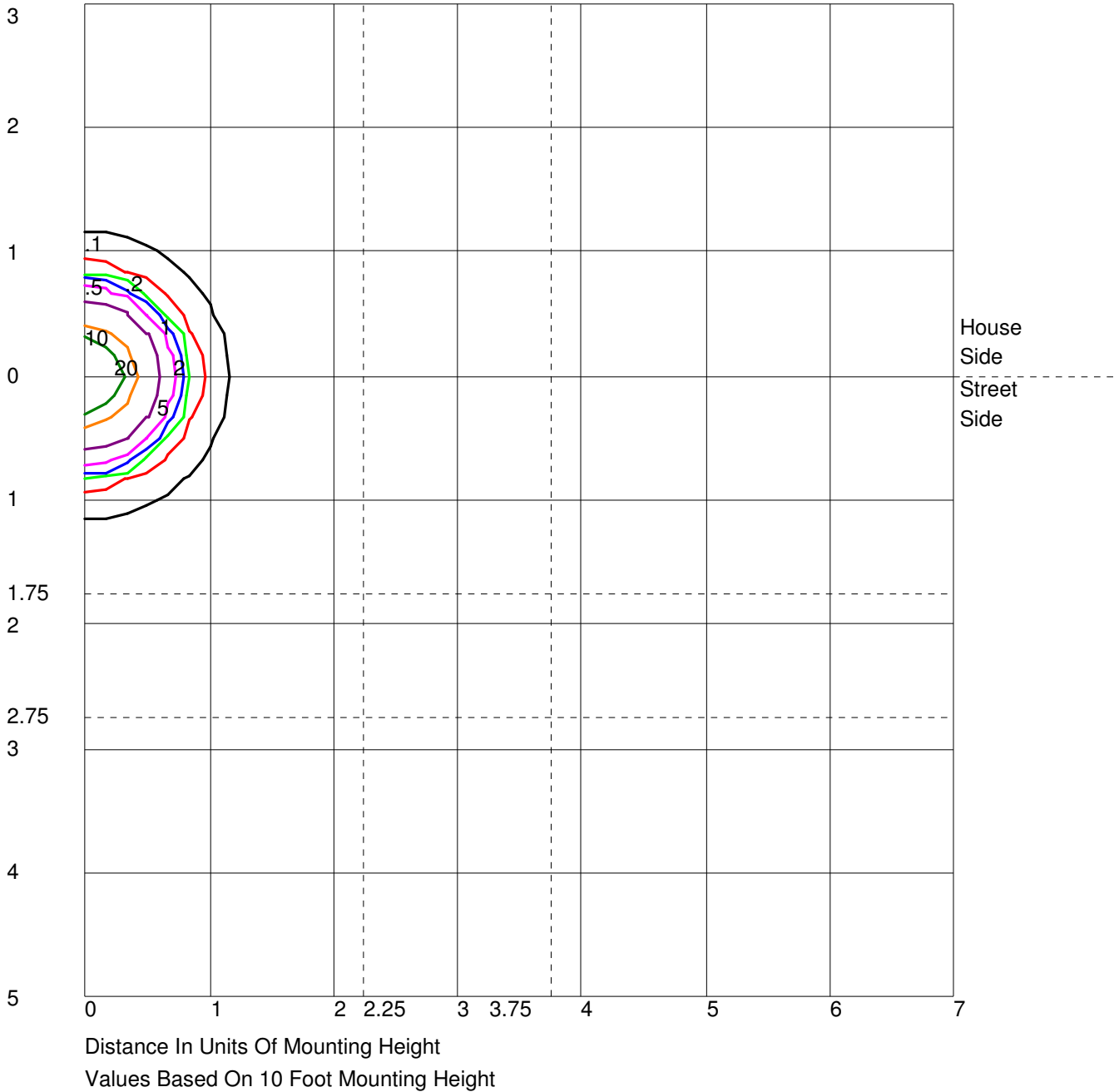


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