

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-840-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-L30-840-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	3079
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	30558.303
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	30558.303
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.218 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.994 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-840-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1361.1	N.A.	44.2
FM - Front-Medium (30-60)	162.8	N.A.	5.3
FH - Front-High (60-80)	15.0	N.A.	0.5
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	1361.1	N.A.	44.2
BM - Back-Medium (30-60)	162.8	N.A.	5.3
BH - Back-High (60-80)	15.0	N.A.	0.5
BVH - Back-Very High (80-90)	0.8	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	3079.6	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	30558.303	30558.303	30558.303	30558.303	30558.303
1	30032.673	30044.589	30045.826	30049.386	30052.530
2	28763.021	28698.089	28800.363	28735.757	28793.193
3	26690.249	26669.195	26688.361	26837.845	26797.824
4	23760.501	24028.982	24084.263	24080.337	24136.389
5	20685.877	20722.091	20799.543	21033.817	21048.641
6	17186.077	17248.240	17552.827	17702.994	17879.219
7	13924.448	13851.821	14140.487	14479.527	14507.909
8	10711.285	10861.354	11171.459	11403.904	11507.691
9	8166.098	8309.155	8549.729	8811.634	8937.335
10	6199.150	6254.955	6541.128	6766.888	6879.348
11	4715.289	4775.949	5002.836	5225.798	5279.862
12	3655.881	3737.546	3911.160	4031.502	4095.574
13	2991.259	2980.905	3086.551	3201.770	3258.019
14	2405.780	2427.833	2529.207	2642.398	2660.070
15	2041.977	2054.417	2156.701	2199.155	2277.982
16	1786.154	1793.877	1852.352	1905.249	1931.515
17	1604.697	1609.681	1653.945	1696.439	1718.354
18	1476.158	1479.925	1513.954	1548.873	1565.348
19	1388.490	1391.951	1419.236	1444.146	1462.916
20	1334.327	1331.430	1351.475	1370.937	1384.722
21	1290.914	1291.101	1303.552	1317.951	1330.361
22	1263.056	1260.307	1270.740	1279.017	1291.942
23	1240.093	1234.872	1243.030	1249.913	1261.938
24	1216.923	1211.662	1216.567	1221.027	1233.457
25	1191.626	1187.690	1188.590	1192.823	1203.681
26	1162.404	1158.033	1157.133	1160.999	1170.078
27	1128.227	1121.581	1119.228	1121.591	1132.222
28	1082.934	1075.379	1070.078	1072.244	1083.725
29	1023.886	1017.320	1006.254	1009.804	1020.217
30	947.482	941.598	927.931	931.739	940.589
31	851.923	847.107	833.915	838.147	846.850
32	740.650	738.286	727.181	733.826	741.283
33	619.784	619.448	611.962	620.427	627.943
34	497.050	498.850	495.913	505.446	511.468
35	382.405	386.311	385.737	399.562	400.749
36	282.573	284.878	291.859	300.641	304.775
37	204.627	200.731	213.992	222.734	232.475
38	141.069	139.754	148.802	157.802	160.491
39	94.778	101.503	107.950	112.608	114.724
40	69.135	72.468	77.403	84.117	83.742
41	55.023	56.596	59.988	62.628	64.003
42	47.419	47.844	50.019	51.444	52.205
43	43.315	43.374	44.571	45.164	45.599
44	41.020	41.109	41.574	41.693	41.950
45	39.685	39.784	39.853	39.784	39.972
46	38.795	38.855	38.726	38.588	38.746
47	38.093	38.083	37.856	37.707	37.767
48	37.539	37.450	37.134	37.015	36.995
49	37.094	36.926	36.550	36.372	36.313
50	36.748	36.491	36.046	35.828	35.710
51	36.481	36.165	35.601	35.364	35.205
52	36.313	35.898	35.255	34.968	34.770

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-840-XXX-DIM-UNV-S-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	36.185	35.690	34.958	34.612	34.444
54	36.026	35.472	34.622	34.217	34.019
55	35.492	34.909	34.039	33.574	33.465
56	34.563	33.999	33.079	32.624	32.674
57	33.366	32.901	31.922	31.517	31.705
58	32.021	31.635	30.647	30.300	30.577
59	30.459	30.152	29.213	28.926	29.302
60	28.768	28.491	27.680	27.462	27.858
61	26.997	26.730	26.078	25.920	26.276
62	25.198	24.950	24.456	24.347	24.644
63	23.427	23.210	22.864	22.765	22.982
64	21.697	21.479	21.311	21.222	21.390
65	20.115	19.897	19.848	19.759	19.907
66	18.602	18.424	18.424	18.364	18.483
67	17.217	17.098	17.128	17.079	17.178
68	15.991	15.902	15.951	15.892	15.981
69	14.863	14.804	14.844	14.804	14.863
70	13.825	13.805	13.825	13.786	13.825
71	12.866	12.866	12.876	12.826	12.846
72	11.996	11.966	11.976	11.926	11.926
73	11.145	11.106	11.096	11.046	11.046
74	10.314	10.255	10.255	10.196	10.206
75	9.474	9.414	9.405	9.335	9.365
76	8.613	8.564	8.564	8.495	8.534
77	7.753	7.723	7.714	7.664	7.704
78	6.883	6.833	6.833	6.794	6.843
79	5.953	5.914	5.934	5.904	5.973
80	4.945	4.935	4.945	4.964	4.994
81	3.797	3.817	3.807	3.817	3.817
82	2.166	2.225	2.284	2.265	2.314
83	1.028	1.038	1.157	1.206	1.276
84	0.939	0.939	0.939	0.930	0.930
85	0.870	0.860	0.860	0.850	0.860
86	0.781	0.771	0.771	0.771	0.771
87	0.663	0.663	0.663	0.653	0.653
88	0.524	0.524	0.524	0.514	0.504
89	0.356	0.356	0.346	0.346	0.336
90	0.198	0.208	0.218	0.218	0.218
91	0.198	0.198	0.188	0.178	0.178
92	0.198	0.198	0.188	0.188	0.178
93	0.208	0.208	0.188	0.188	0.178
94	0.218	0.208	0.198	0.188	0.188
95	0.218	0.208	0.198	0.198	0.188
96	0.227	0.208	0.208	0.198	0.198
97	0.227	0.208	0.218	0.208	0.208
98	0.227	0.218	0.218	0.208	0.208
99	0.227	0.218	0.218	0.208	0.218
100	0.227	0.227	0.227	0.218	0.218
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

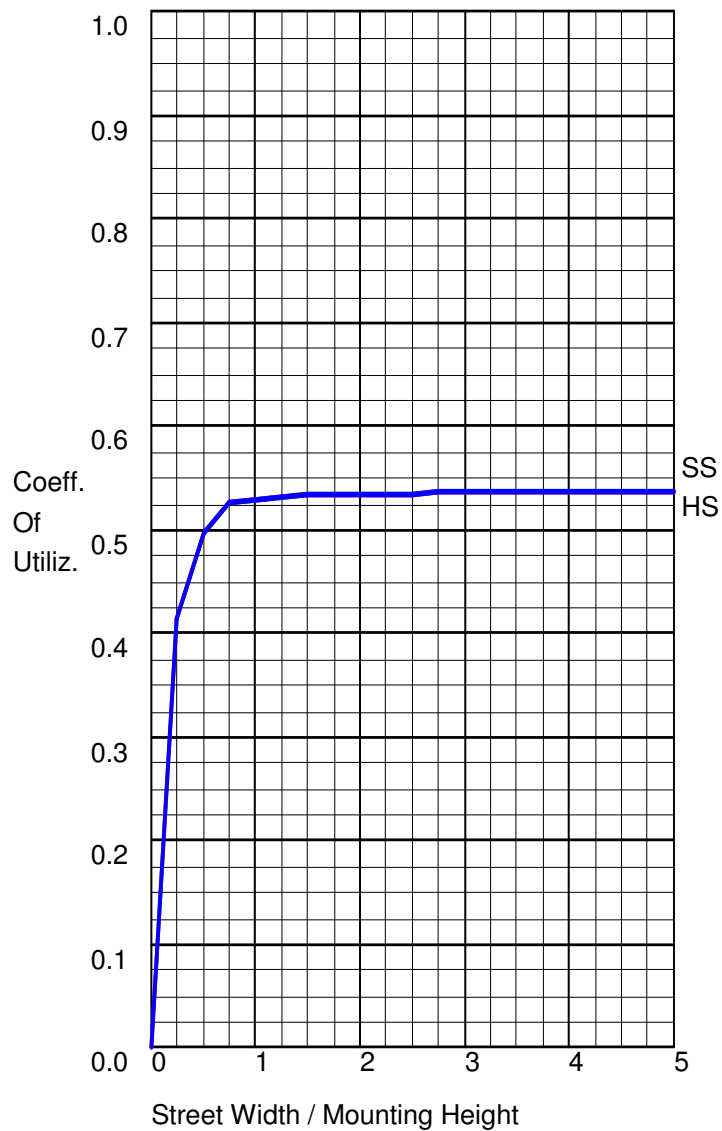
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-840-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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-L30-840-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

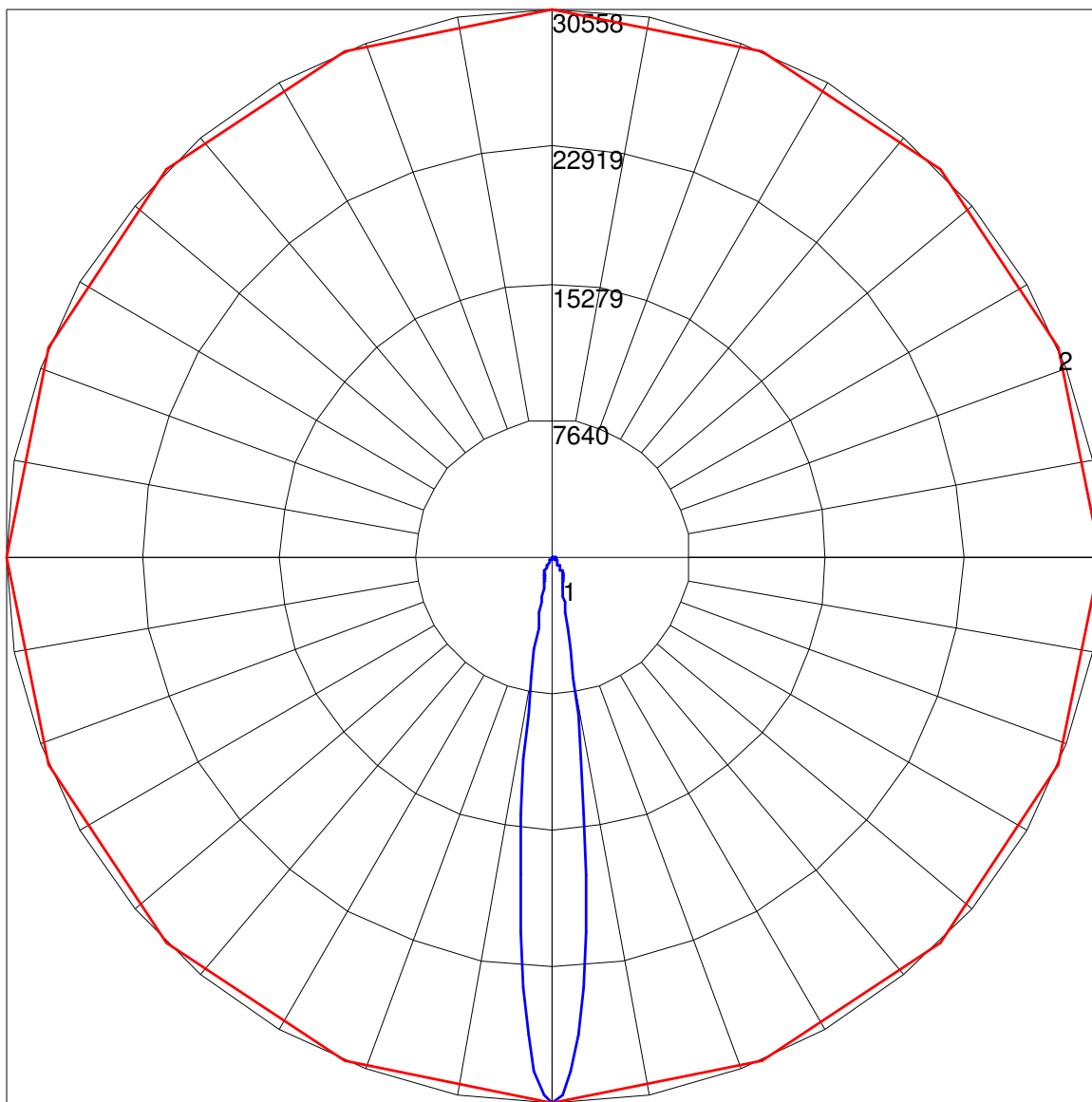
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1539.6	50.0
Downward House Side	1539.6	50.0
Downward Total	3079.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3079.4	100.0

POLAR GRAPH



Maximum Candela = 30558.303 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

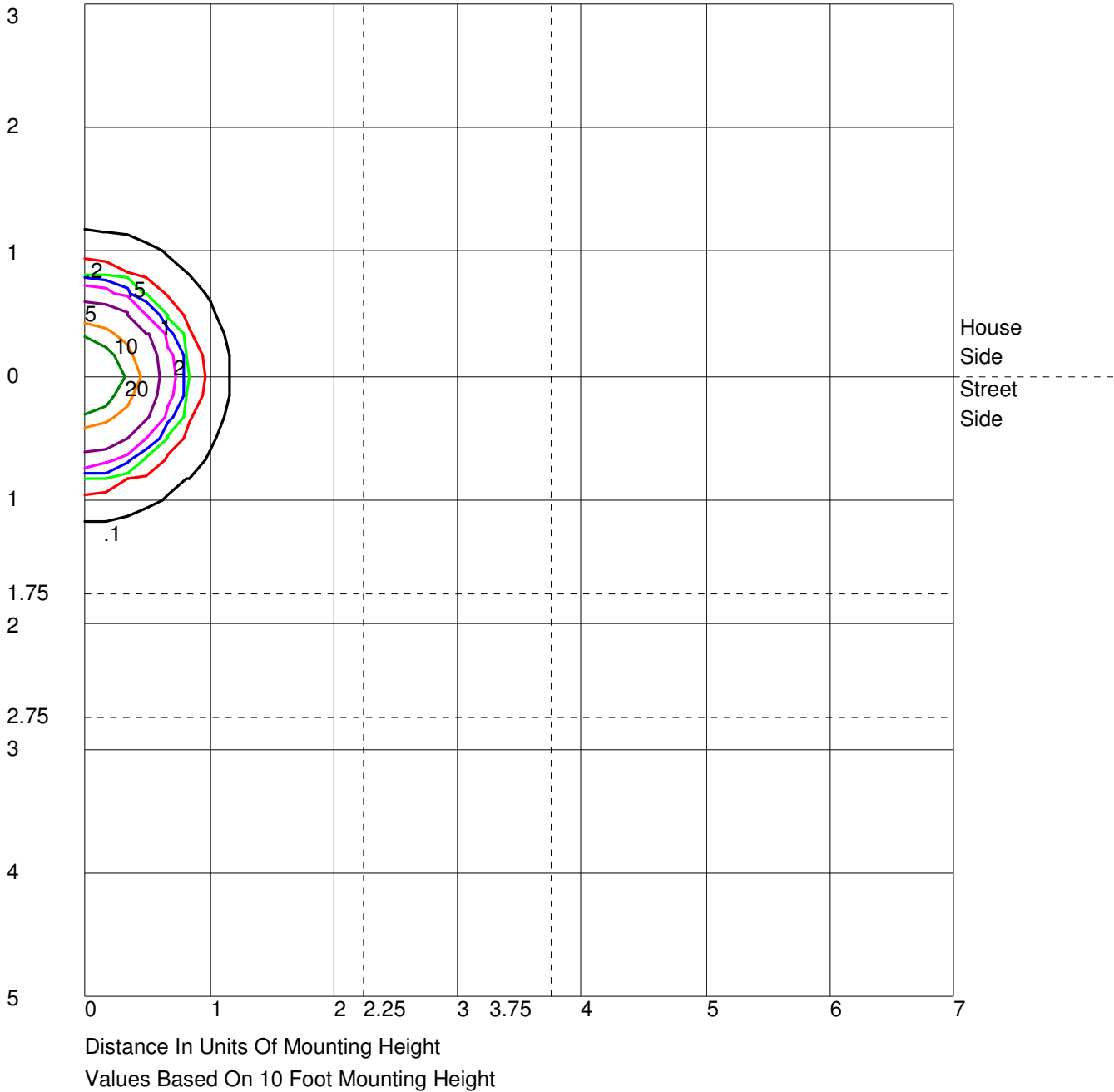


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