

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-840-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-L20-840-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	2164
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	21478.005
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	21478.005
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.153 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.51 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-840-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	956.6	N.A.	44.2
FM - Front-Medium (30-60)	114.4	N.A.	5.3
FH - Front-High (60-80)	10.5	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	956.6	N.A.	44.2
BM - Back-Medium (30-60)	114.4	N.A.	5.3
BH - Back-High (60-80)	10.5	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	2164.2	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	21478.005	21478.005	21478.005	21478.005	21478.005
1	21108.564	21116.940	21117.809	21120.311	21122.521
2	20216.185	20170.547	20242.431	20197.022	20237.392
3	18759.331	18744.533	18758.003	18863.069	18834.940
4	16700.147	16888.850	16927.704	16924.945	16964.341
5	14539.137	14564.590	14619.028	14783.689	14794.108
6	12079.291	12122.983	12337.063	12442.608	12566.469
7	9786.844	9735.799	9938.688	10176.984	10196.932
8	7528.463	7633.939	7851.897	8015.272	8088.219
9	5739.569	5840.117	6009.205	6193.286	6281.636
10	4357.093	4396.316	4597.453	4756.130	4835.172
11	3314.156	3356.792	3516.260	3672.969	3710.969
12	2569.548	2626.946	2748.972	2833.554	2878.587
13	2102.416	2095.139	2169.393	2250.375	2289.910
14	1690.910	1706.410	1777.661	1857.218	1869.639
15	1435.210	1443.954	1515.845	1545.684	1601.087
16	1255.404	1260.833	1301.932	1339.111	1357.572
17	1127.867	1131.370	1162.481	1192.348	1207.750
18	1037.522	1040.171	1064.088	1088.630	1100.210
19	975.905	978.338	997.514	1015.023	1028.215
20	937.836	935.800	949.889	963.567	973.257
21	907.323	907.455	916.206	926.326	935.049
22	887.743	885.811	893.144	898.961	908.046
23	871.604	867.934	873.668	878.506	886.958
24	855.318	851.620	855.068	858.203	866.940
25	837.538	834.772	835.405	838.379	846.011
26	816.999	813.927	813.295	816.012	822.393
27	792.978	788.307	786.653	788.314	795.786
28	761.144	755.834	752.108	753.630	761.700
29	719.642	715.026	707.249	709.744	717.063
30	665.941	661.805	652.200	654.876	661.096
31	598.777	595.392	586.120	589.095	595.211
32	520.568	518.907	511.102	515.772	521.013
33	435.618	435.381	430.120	436.069	441.352
34	349.353	350.618	348.554	355.254	359.487
35	268.774	271.520	271.117	280.834	281.668
36	198.608	200.227	205.134	211.306	214.212
37	143.823	141.084	150.405	156.549	163.396
38	99.151	98.226	104.586	110.911	112.802
39	66.615	71.341	75.873	79.147	80.634
40	48.592	50.934	54.403	59.122	58.858
41	38.673	39.779	42.163	44.018	44.985
42	33.328	33.627	35.156	36.157	36.692
43	30.444	30.486	31.327	31.744	32.049
44	28.831	28.894	29.220	29.304	29.485
45	27.893	27.962	28.011	27.962	28.094
46	27.267	27.309	27.219	27.121	27.233
47	26.774	26.767	26.607	26.503	26.545
48	26.385	26.322	26.100	26.016	26.002
49	26.072	25.954	25.690	25.564	25.523
50	25.829	25.648	25.335	25.182	25.099
51	25.641	25.418	25.022	24.855	24.744
52	25.523	25.231	24.779	24.577	24.438

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53	25.432	25.085	24.571	24.327	24.209
54	25.321	24.932	24.334	24.049	23.910
55	24.946	24.536	23.924	23.597	23.521
56	24.292	23.896	23.250	22.930	22.965
57	23.451	23.125	22.437	22.152	22.284
58	22.506	22.235	21.540	21.297	21.491
59	21.408	21.193	20.532	20.331	20.595
60	20.219	20.025	19.455	19.302	19.580
61	18.975	18.788	18.329	18.218	18.468
62	17.710	17.536	17.189	17.112	17.321
63	16.466	16.313	16.070	16.000	16.153
64	15.250	15.097	14.979	14.916	15.034
65	14.138	13.985	13.950	13.887	13.992
66	13.074	12.949	12.949	12.907	12.991
67	12.101	12.018	12.039	12.004	12.073
68	11.239	11.177	11.211	11.170	11.232
69	10.447	10.405	10.433	10.405	10.447
70	9.717	9.703	9.717	9.689	9.717
71	9.043	9.043	9.050	9.015	9.029
72	8.431	8.410	8.417	8.382	8.382
73	7.833	7.806	7.799	7.764	7.764
74	7.250	7.208	7.208	7.166	7.173
75	6.659	6.617	6.610	6.561	6.582
76	6.054	6.019	6.019	5.971	5.998
77	5.449	5.428	5.422	5.387	5.415
78	4.838	4.803	4.803	4.775	4.810
79	4.184	4.156	4.170	4.150	4.198
80	3.475	3.468	3.475	3.489	3.510
81	2.669	2.683	2.676	2.683	2.683
82	1.522	1.564	1.606	1.592	1.626
83	0.723	0.730	0.813	0.848	0.897
84	0.660	0.660	0.660	0.653	0.653
85	0.612	0.605	0.605	0.598	0.605
86	0.549	0.542	0.542	0.542	0.542
87	0.466	0.466	0.466	0.459	0.459
88	0.368	0.368	0.368	0.361	0.354
89	0.250	0.250	0.243	0.243	0.236
90	0.139	0.146	0.153	0.153	0.153
91	0.139	0.139	0.132	0.125	0.125
92	0.139	0.139	0.132	0.132	0.125
93	0.146	0.146	0.132	0.132	0.125
94	0.153	0.146	0.139	0.132	0.132
95	0.153	0.146	0.139	0.139	0.132
96	0.160	0.146	0.146	0.139	0.139
97	0.160	0.146	0.153	0.146	0.146
98	0.160	0.153	0.153	0.146	0.146
99	0.160	0.153	0.153	0.146	0.153
100	0.160	0.160	0.160	0.153	0.153
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

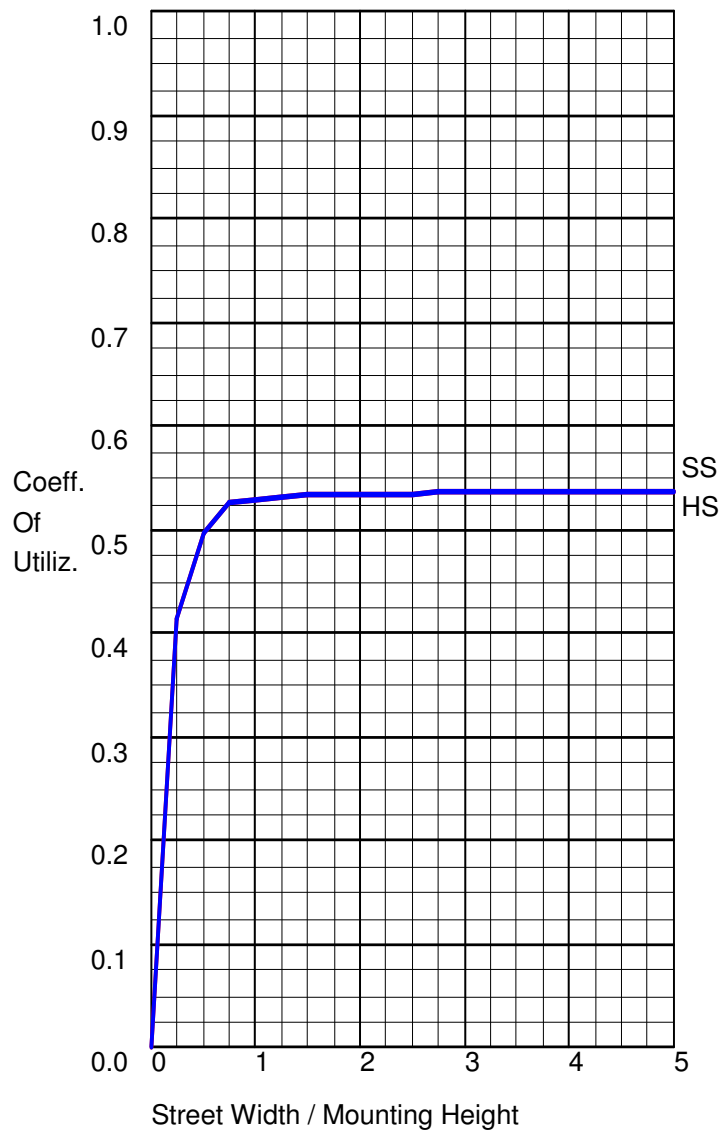
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000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

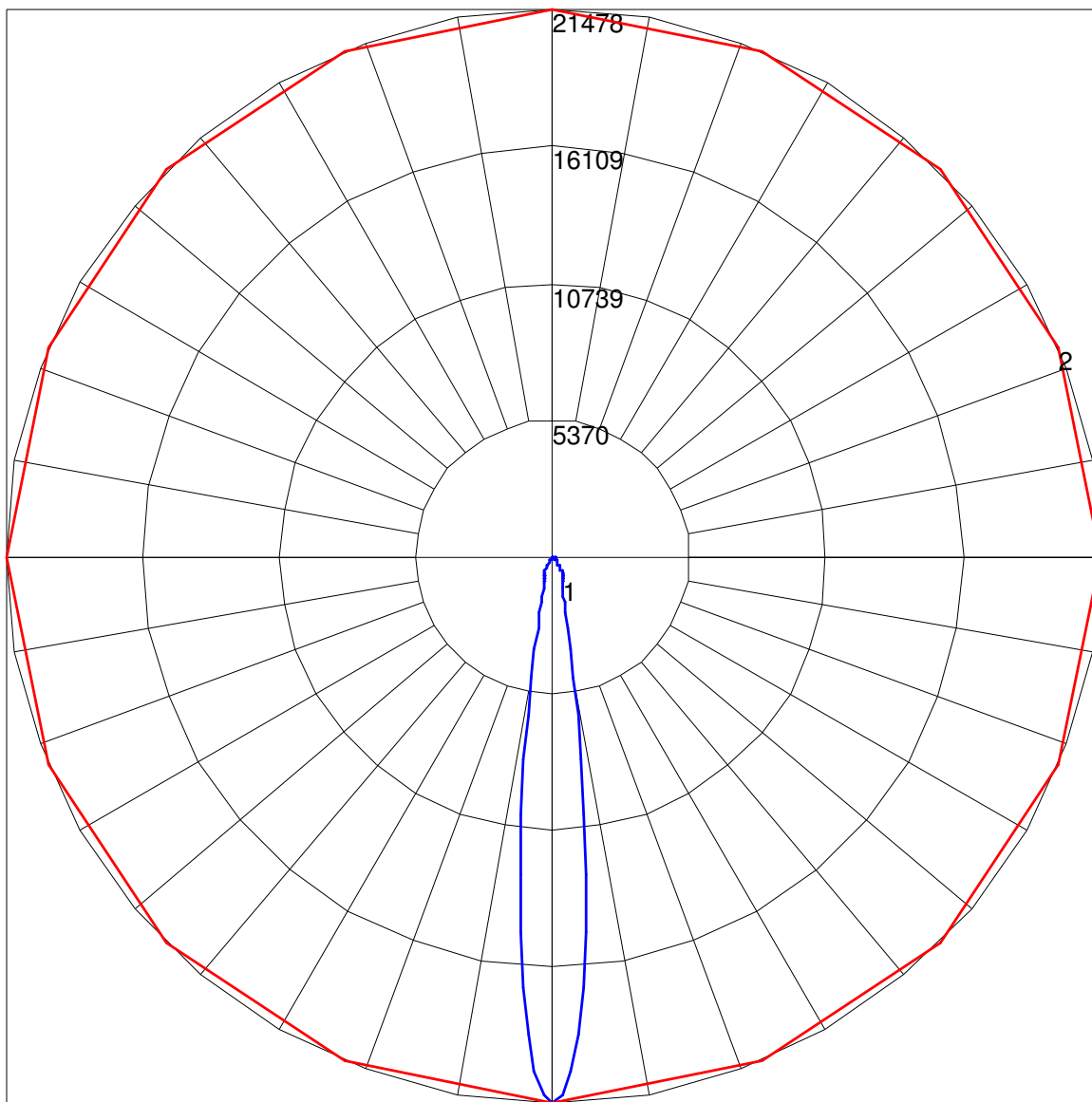
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1082.1	50.0
Downward House Side	1082.1	50.0
Downward Total	2164.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2164.4	100.0

POLAR GRAPH



Maximum Candela = 21478.005 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

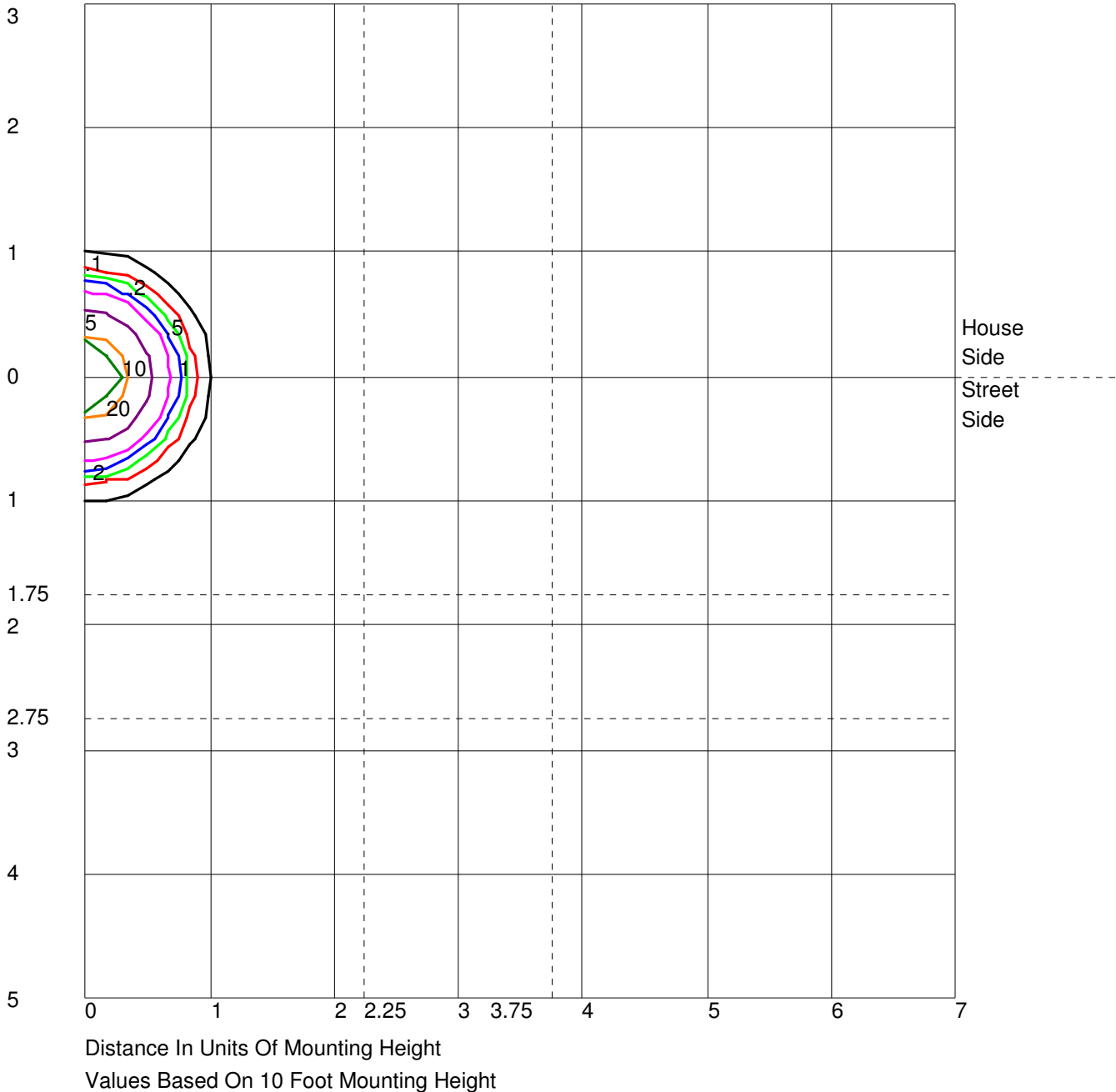


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