

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-830-XXX-DIM-UNV-M-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-W_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L10-830-xxx-DIM-UNV-M-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH MEDIUM DIST.
[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	986
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2099.325
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	2099.325
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.075 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.638 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-830-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	413.0	N.A.	41.9
FM - Front-Medium (30-60)	74.6	N.A.	7.6
FH - Front-High (60-80)	5.2	N.A.	0.5
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	413.0	N.A.	41.9
BM - Back-Medium (30-60)	74.6	N.A.	7.6
BH - Back-High (60-80)	5.2	N.A.	0.5
BVH - Back-Very High (80-90)	0.2	N.A.	0.0
UL - Uplight-Low (90-100)	0.1	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	986.1	N.A.	100.0
BUG Rating	B1-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	2094.566	2094.566	2094.566	2094.566	2094.566
1	2097.258	2097.206	2096.259	2095.584	2094.736
2	2099.325	2098.018	2095.434	2092.964	2090.451
3	2098.179	2096.590	2091.952	2087.333	2083.304
4	2094.516	2091.133	2084.119	2077.234	2073.064
5	2081.361	2077.247	2067.989	2058.621	2054.005
6	2058.398	2052.941	2040.283	2028.756	2022.879
7	2020.065	2013.383	1999.202	1987.619	1979.010
8	1966.487	1959.877	1945.640	1934.984	1924.011
9	1897.402	1892.383	1880.191	1870.504	1859.220
10	1815.085	1813.755	1803.571	1796.030	1787.517
11	1723.391	1724.422	1718.244	1712.882	1705.459
12	1627.071	1627.667	1625.465	1623.775	1616.670
13	1527.865	1528.566	1530.239	1530.501	1523.786
14	1426.022	1426.677	1432.183	1434.270	1428.534
15	1324.051	1325.377	1332.643	1336.675	1331.994
16	1223.931	1225.847	1233.352	1238.914	1235.402
17	1126.743	1130.991	1136.229	1143.580	1140.484
18	1034.694	1039.238	1044.256	1050.706	1048.819
19	948.768	951.926	958.130	963.863	961.150
20	871.627	871.703	877.851	883.859	881.943
21	797.953	798.123	803.620	809.696	806.997
22	733.315	732.084	737.892	742.943	741.534
23	677.320	675.361	680.845	684.635	684.621
24	627.994	626.307	630.680	633.651	633.887
25	584.226	583.342	585.946	588.858	588.688
26	545.959	544.672	545.717	548.573	547.368
27	510.119	508.200	508.832	510.709	510.273
28	474.882	472.491	471.747	473.902	476.746
29	438.007	436.434	434.905	436.068	437.453
30	400.427	397.450	394.505	396.863	397.633
31	356.909	354.904	352.149	353.551	354.642
32	310.669	309.663	306.888	309.493	309.732
33	262.571	262.214	260.412	263.167	263.789
34	214.984	215.243	214.539	217.385	217.775
35	171.076	171.282	171.571	175.046	175.079
36	132.838	133.742	134.555	138.548	138.037
37	101.070	102.295	104.467	106.717	106.780
38	78.742	77.308	79.876	83.093	82.437
39	59.347	60.421	63.661	64.149	66.262
40	48.481	48.763	50.257	51.629	52.409
41	40.492	41.268	42.300	42.621	42.955
42	35.460	35.647	36.403	37.032	36.757
43	31.771	31.932	32.414	32.492	32.404
44	28.899	29.095	29.364	29.302	29.138
45	26.507	26.727	26.887	26.740	26.586
46	24.401	24.598	24.732	24.548	24.394
47	22.445	22.645	22.760	22.583	22.390
48	20.683	20.870	20.975	20.801	20.601
49	19.104	19.258	19.350	19.183	18.973
50	17.663	17.781	17.872	17.712	17.512
51	16.369	16.477	16.546	16.398	16.212
52	15.213	15.298	15.347	15.226	15.036

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53	14.187	14.243	14.289	14.184	13.997
54	13.267	13.309	13.342	13.237	13.074
55	12.418	12.441	12.477	12.372	12.235
56	11.599	11.632	11.649	11.567	11.455
57	10.862	10.885	10.895	10.823	10.735
58	10.211	10.227	10.233	10.165	10.083
59	9.624	9.631	9.627	9.565	9.496
60	9.090	9.087	9.084	9.025	8.966
61	8.602	8.589	8.582	8.527	8.471
62	8.150	8.137	8.121	8.068	8.012
63	7.734	7.711	7.695	7.639	7.583
64	7.325	7.305	7.285	7.230	7.177
65	6.938	6.922	6.895	6.843	6.791
66	6.558	6.542	6.509	6.460	6.407
67	6.191	6.175	6.142	6.090	6.044
68	5.831	5.814	5.782	5.726	5.683
69	5.470	5.457	5.425	5.372	5.323
70	5.120	5.100	5.071	5.022	4.969
71	4.769	4.743	4.717	4.671	4.622
72	4.416	4.390	4.367	4.321	4.281
73	4.062	4.039	4.016	3.977	3.931
74	3.708	3.692	3.666	3.633	3.600
75	3.364	3.351	3.325	3.295	3.266
76	3.017	3.010	2.984	2.961	2.938
77	2.680	2.673	2.653	2.637	2.617
78	2.336	2.332	2.323	2.303	2.300
79	1.992	1.988	1.982	1.975	1.972
80	1.631	1.638	1.631	1.638	1.625
81	1.235	1.248	1.238	1.238	1.225
82	0.698	0.714	0.724	0.730	0.737
83	0.314	0.321	0.364	0.390	0.419
84	0.288	0.292	0.292	0.288	0.288
85	0.265	0.265	0.265	0.265	0.265
86	0.236	0.236	0.239	0.236	0.236
87	0.200	0.200	0.200	0.203	0.200
88	0.154	0.157	0.157	0.157	0.154
89	0.105	0.108	0.108	0.108	0.108
90	0.062	0.066	0.072	0.075	0.075
91	0.062	0.066	0.066	0.066	0.062
92	0.062	0.062	0.066	0.066	0.066
93	0.062	0.066	0.066	0.066	0.066
94	0.062	0.066	0.066	0.066	0.066
95	0.066	0.066	0.066	0.069	0.066
96	0.066	0.066	0.069	0.069	0.066
97	0.066	0.069	0.069	0.069	0.066
98	0.066	0.072	0.072	0.069	0.069
99	0.069	0.072	0.072	0.072	0.069
100	0.069	0.072	0.072	0.072	0.069
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

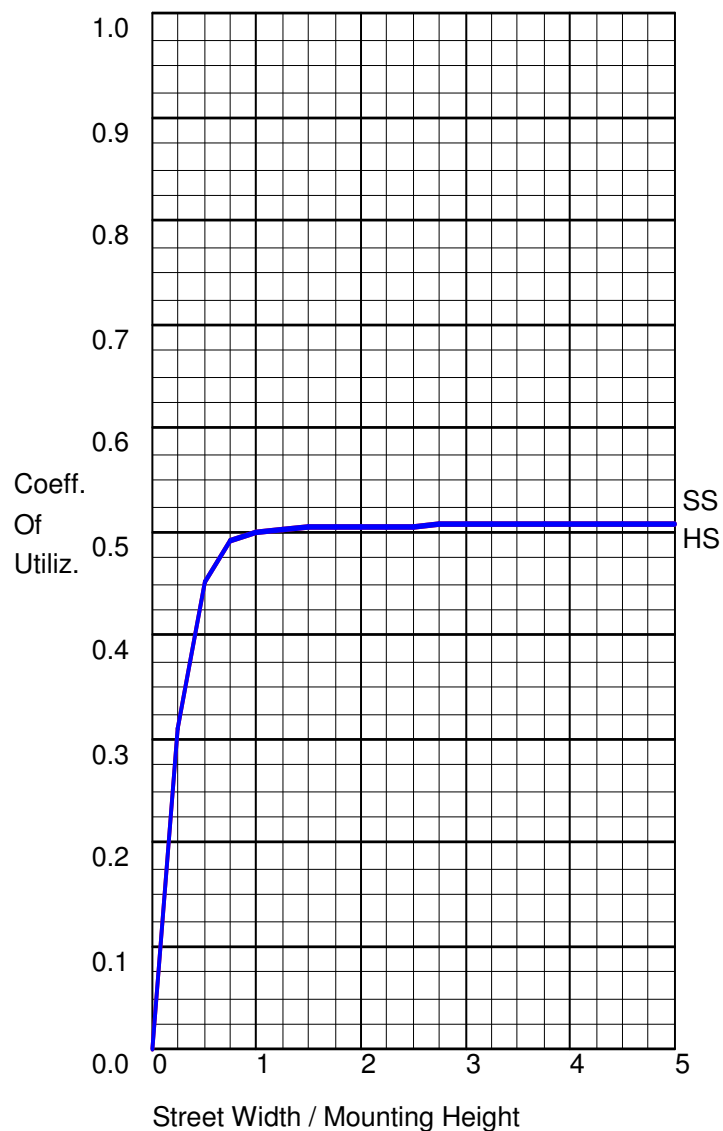
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-830-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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

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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

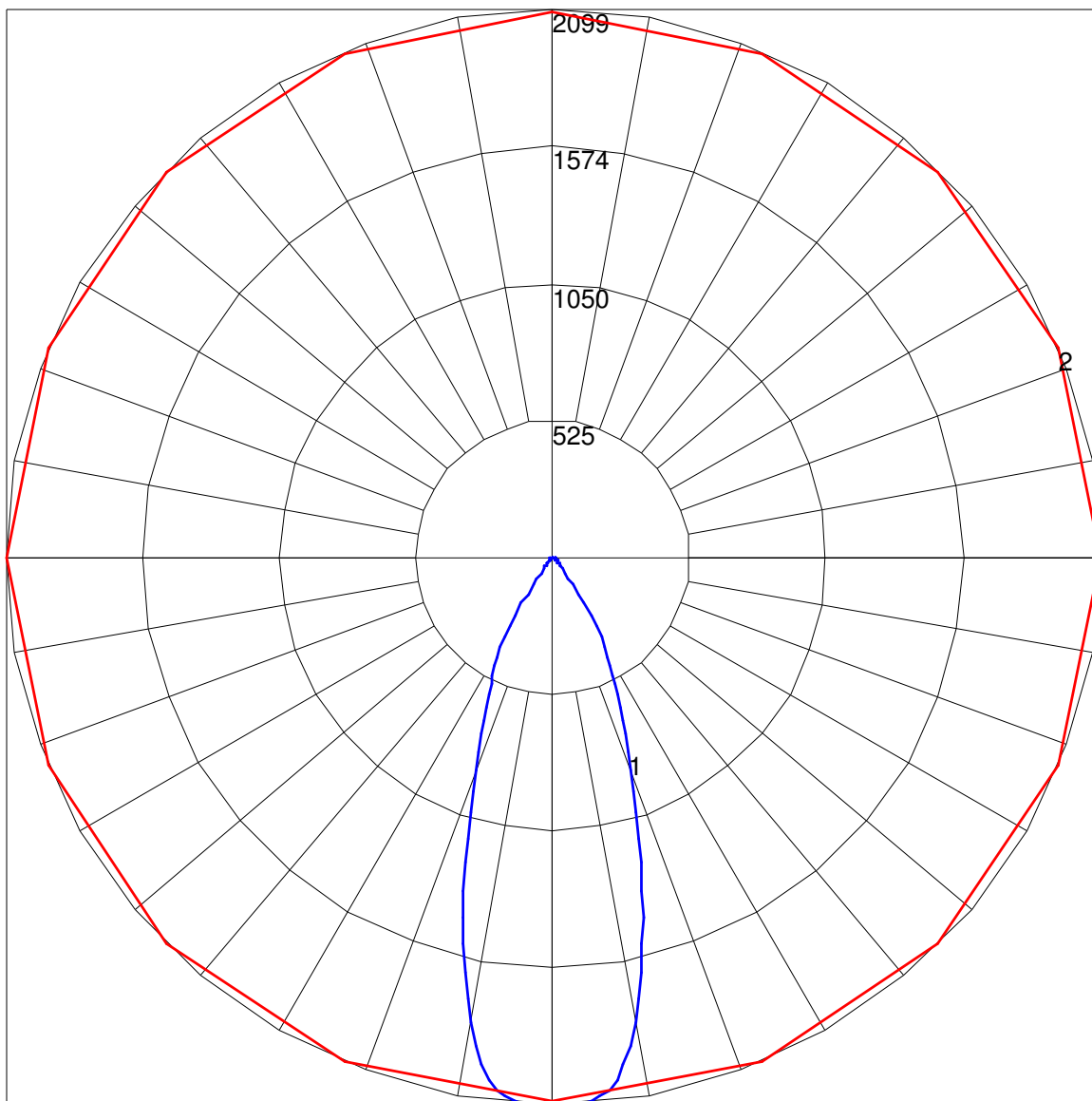
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	493.0	50.0
Downward House Side	493.0	50.0
Downward Total	986.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	986.0	100.0

POLAR GRAPH



Maximum Candela = 2099.325 Located At Horizontal Angle = 0, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

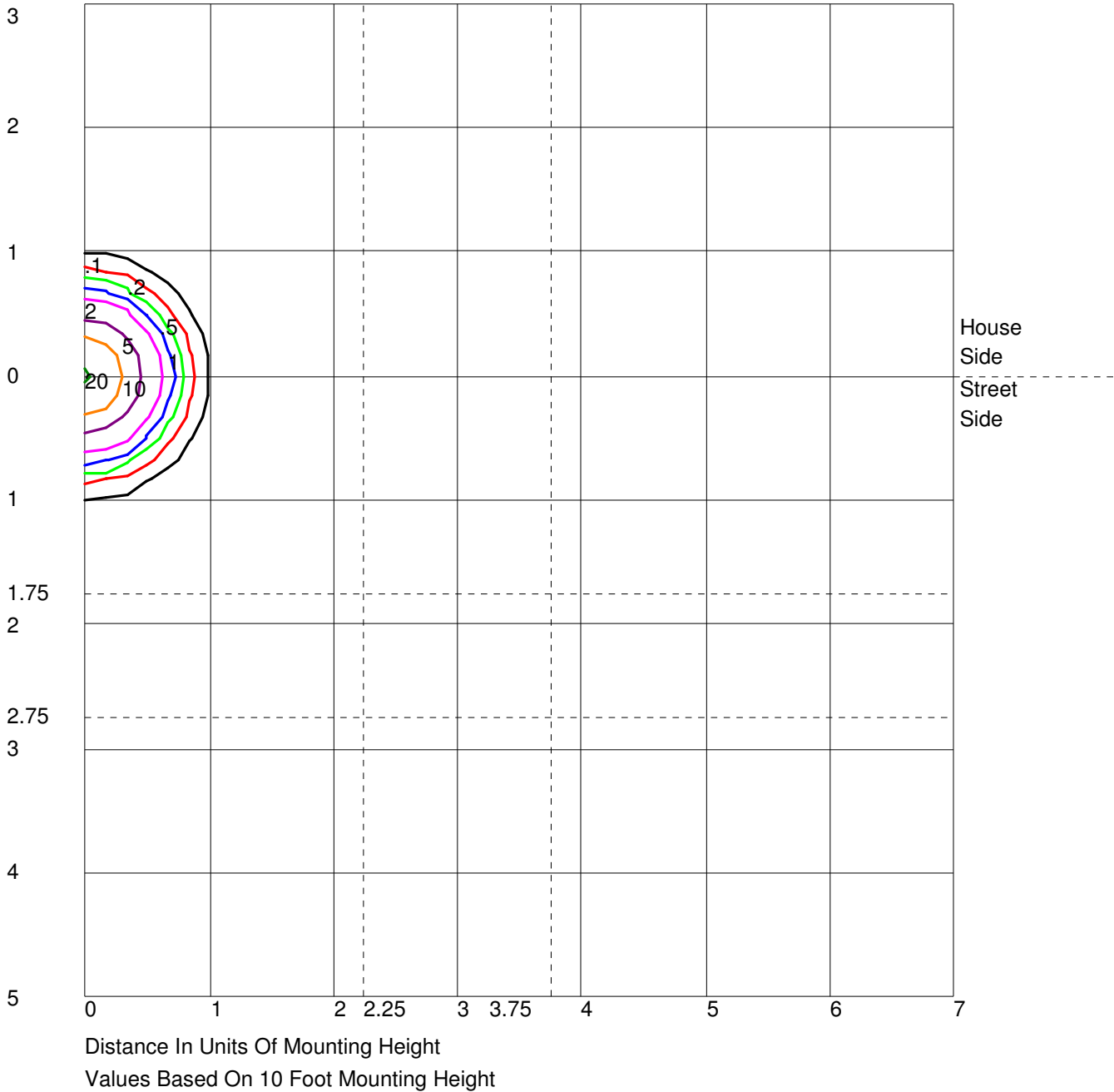


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