

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CR-XX-L10-930-XXX-DIM-UNV-S-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W4CR_BARBARA-SPOT DISTRIBUTION
[TESTLAB] LEDIL INC.
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] W4CR-xx-L10-930-xxx-DIM-UNV-S-xxx
[LUMINAIRE] 4 INCH ROUND OUTDOOR LED CYLINDER
[MORE] WITH SPOT DISTRIBUTION & MICROPRISM LENS
[MORE] 0-10 LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1115
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	9.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4995.98
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	4995.98
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.051 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.227 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L10-930-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	505.9	N.A.	45.4
FM - Front-Medium (30-60)	49.7	N.A.	4.5
FH - Front-High (60-80)	1.5	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	505.9	N.A.	45.4
BM - Back-Medium (30-60)	49.7	N.A.	4.5
BH - Back-High (60-80)	1.5	N.A.	0.1
BVH - Back-Very High (80-90)	0.1	N.A.	0.0
UL - Uplight-Low (90-100)	< 0.05	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	1114.4	N.A.	100.0
BUG Rating	B2-U1-G0		

IES ROAD REPORT
PHOTOMETRIC FILENAME : W4CR-XX-L10-930-XXX-DIM-UNV-S-XXX_.IES

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	4995.980	4995.980	4995.980	4995.980	4995.980
1	4986.842	4984.710	4985.138	4983.266	4985.182
2	4924.178	4923.317	4920.005	4918.444	4923.794
3	4815.452	4811.638	4808.703	4805.691	4817.687
4	4652.815	4651.566	4646.557	4645.066	4659.828
5	4435.271	4431.346	4429.936	4428.060	4446.680
6	4162.185	4160.738	4162.049	4164.874	4180.310
7	3841.227	3842.718	3851.922	3860.254	3866.457
8	3484.077	3490.566	3508.358	3523.435	3519.184
9	3115.004	3124.710	3152.515	3172.462	3156.300
10	2755.627	2767.399	2802.019	2826.424	2799.018
11	2413.557	2427.341	2467.545	2492.294	2458.290
12	2097.750	2116.272	2155.464	2184.721	2146.011
13	1823.079	1838.683	1879.946	1911.023	1872.332
14	1585.287	1598.287	1637.029	1667.044	1631.251
15	1380.442	1393.149	1431.612	1459.081	1423.420
16	1209.151	1222.652	1250.626	1275.120	1244.101
17	1072.637	1073.729	1101.461	1121.320	1097.431
18	945.599	954.114	975.533	991.596	973.401
19	845.080	849.810	872.958	887.207	873.860
20	761.088	767.409	783.273	795.236	781.947
21	692.969	696.776	710.274	720.141	707.478
22	635.138	638.773	649.317	655.909	645.177
23	586.793	588.694	596.813	602.313	592.651
24	544.680	545.695	552.132	555.181	546.849
25	506.436	507.693	511.774	512.690	505.681
26	471.951	471.860	473.490	472.871	466.760
27	436.356	434.561	435.199	434.045	428.464
28	398.347	396.251	395.610	394.936	390.880
29	358.337	356.377	355.659	356.828	353.717
30	315.788	315.092	314.524	316.939	315.176
31	272.814	272.983	273.137	277.039	275.987
32	231.310	232.101	232.471	237.590	238.051
33	190.787	192.311	193.652	198.829	201.145
34	153.225	155.837	157.577	163.099	166.711
35	121.147	123.371	124.104	129.321	134.447
36	91.066	94.250	96.533	99.981	105.641
37	67.577	71.651	72.600	75.649	81.863
38	49.727	52.559	53.339	56.937	61.667
39	37.735	38.182	39.519	41.878	44.692
40	27.274	28.461	30.304	32.015	33.558
41	20.580	21.566	22.819	24.240	25.816
42	16.019	16.843	18.100	19.199	20.448
43	12.967	13.549	14.718	15.685	16.594
44	10.849	11.270	12.281	13.142	13.534
45	9.310	9.629	10.508	11.171	11.347
46	8.192	8.427	9.193	9.673	9.783
47	7.331	7.526	8.178	8.511	8.570
48	6.650	6.837	7.372	7.610	7.643
49	6.115	6.269	6.749	6.899	6.903
50	5.679	5.815	6.229	6.328	6.309
51	5.294	5.423	5.793	5.862	5.826
52	4.943	5.053	5.379	5.401	5.324

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L10-930-XXX-DIM-UNV-S-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	4.620	4.719	5.001	4.979	4.877
54	4.338	4.433	4.668	4.606	4.488
55	4.093	4.173	4.371	4.283	4.140
56	3.873	3.931	4.107	4.005	3.832
57	3.664	3.712	3.851	3.752	3.572
58	3.466	3.506	3.624	3.525	3.356
59	3.283	3.312	3.400	3.312	3.155
60	3.100	3.125	3.195	3.107	2.953
61	2.916	2.938	3.001	2.916	2.770
62	2.733	2.752	2.807	2.722	2.579
63	2.550	2.572	2.616	2.532	2.396
64	2.371	2.389	2.433	2.345	2.213
65	2.195	2.217	2.250	2.165	2.041
66	2.022	2.041	2.074	1.993	1.865
67	1.858	1.880	1.909	1.836	1.707
68	1.707	1.722	1.755	1.674	1.553
69	1.561	1.579	1.608	1.532	1.407
70	1.422	1.440	1.473	1.389	1.264
71	1.290	1.304	1.337	1.253	1.128
72	1.161	1.176	1.202	1.121	1.000
73	1.033	1.048	1.070	0.986	0.879
74	0.901	0.916	0.931	0.857	0.747
75	0.766	0.777	0.780	0.722	0.612
76	0.634	0.641	0.623	0.586	0.487
77	0.517	0.520	0.487	0.454	0.374
78	0.399	0.388	0.337	0.311	0.275
79	0.249	0.256	0.245	0.242	0.231
80	0.227	0.227	0.227	0.223	0.216
81	0.213	0.213	0.216	0.213	0.202
82	0.202	0.202	0.205	0.202	0.191
83	0.187	0.187	0.191	0.191	0.180
84	0.172	0.172	0.172	0.169	0.165
85	0.150	0.154	0.158	0.154	0.147
86	0.132	0.132	0.132	0.132	0.128
87	0.110	0.110	0.110	0.110	0.106
88	0.084	0.084	0.088	0.084	0.081
89	0.062	0.059	0.062	0.059	0.059
90	0.051	0.044	0.048	0.044	0.044
91	0.048	0.044	0.044	0.044	0.040
92	0.044	0.044	0.044	0.044	0.040
93	0.048	0.044	0.044	0.044	0.040
94	0.048	0.044	0.044	0.044	0.040
95	0.048	0.044	0.044	0.044	0.040
96	0.048	0.048	0.044	0.044	0.040
97	0.048	0.048	0.044	0.044	0.044
98	0.048	0.048	0.044	0.044	0.040
99	0.048	0.048	0.044	0.048	0.040
100	0.048	0.048	0.044	0.048	0.044
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

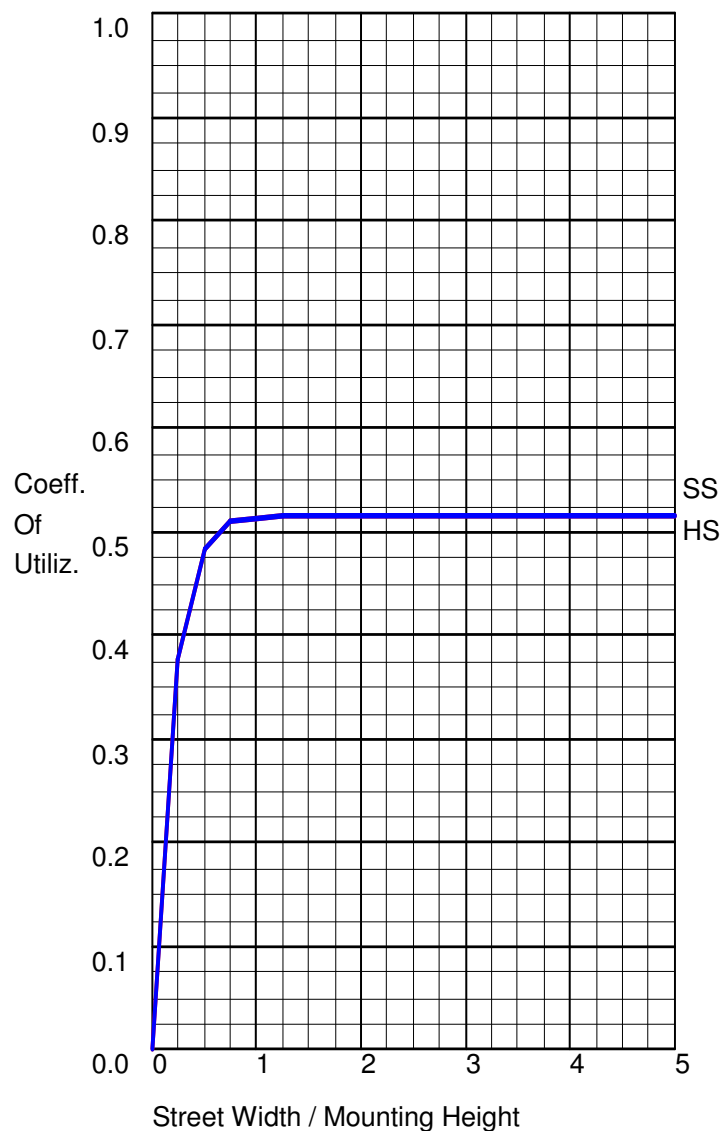
IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L10-930-XXX-DIM-UNV-S-XXX_.IES****CANDELA TABULATION - (Cont.)**

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 : W4CR-XX-L10-930-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

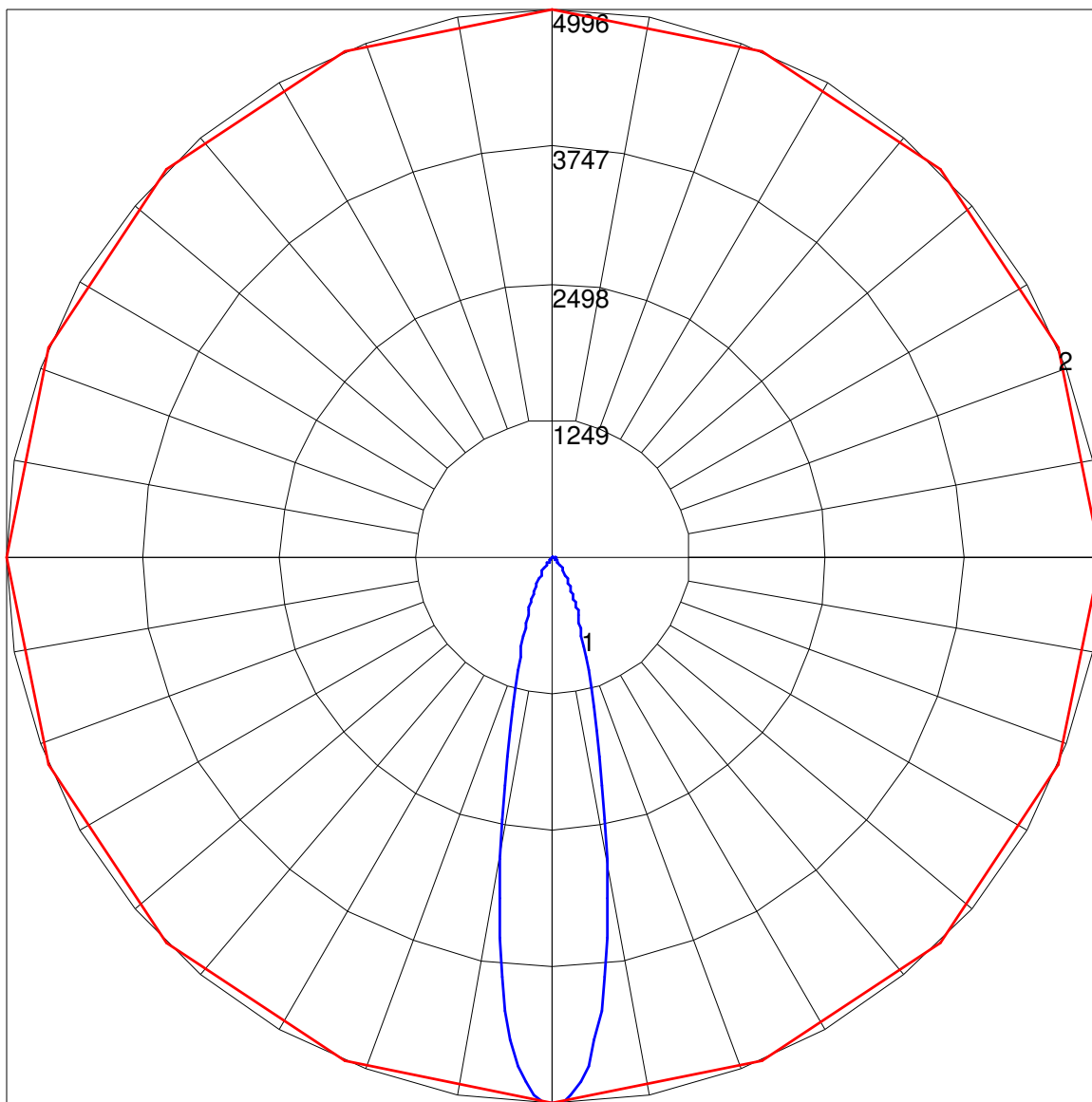
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	557.2	50.0
Downward House Side	557.2	50.0
Downward Total	1114.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1114.4	100.0

POLAR GRAPH



Maximum Candela = 4995.98 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

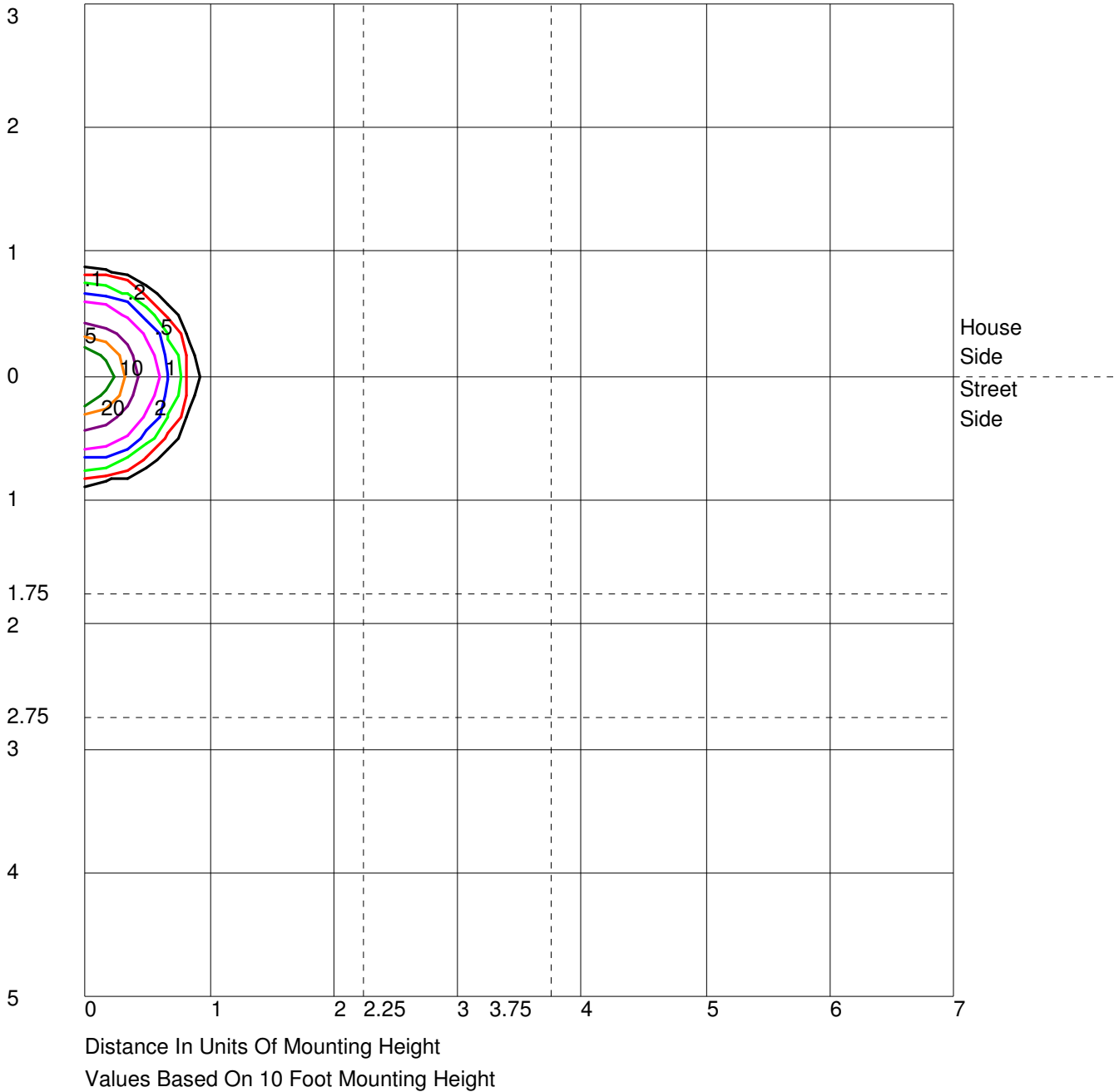


PHOTO IES R

