

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-850-XXX-DIM-UNV-N-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W6CR_Angela-M_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L20-850-xxx-DIM-UNV-N-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH NARROW DIST.
[LAMPCAT] BL V18 COB
[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	1903
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5607.011
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	5607.011
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.172 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.767 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-850-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	745.9	N.A.	39.2
FM - Front-Medium (30-60)	190.7	N.A.	10.0
FH - Front-High (60-80)	14.1	N.A.	0.7
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	745.9	N.A.	39.2
BM - Back-Medium (30-60)	190.7	N.A.	10.0
BH - Back-High (60-80)	14.1	N.A.	0.7
BVH - Back-Very High (80-90)	0.6	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	1902.8	N.A.	100.0
BUG Rating	B2-U1-G0		

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-850-XXX-DIM-UNV-N-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	5607.011	5607.011	5607.011	5607.011	5607.011
1	5570.946	5569.381	5570.349	5570.301	5568.270
2	5472.568	5471.106	5470.427	5470.791	5468.732
3	5315.076	5311.974	5311.364	5312.434	5307.926
4	5098.579	5096.863	5094.009	5094.654	5091.861
5	4828.052	4826.995	4830.570	4830.913	4832.402
6	4522.468	4521.404	4526.750	4533.399	4539.197
7	4192.875	4194.618	4204.759	4215.862	4220.343
8	3850.553	3855.349	3868.496	3884.738	3890.001
9	3516.451	3520.733	3536.543	3557.327	3566.886
10	3198.544	3202.784	3221.064	3242.322	3254.289
11	2902.683	2906.285	2923.659	2946.008	2959.114
12	2632.499	2636.898	2653.263	2674.898	2684.292
13	2391.478	2396.144	2413.422	2436.649	2440.204
14	2179.400	2186.804	2203.965	2218.293	2224.853
15	2000.574	2001.425	2013.530	2029.456	2038.205
16	1833.386	1838.519	1854.919	1869.445	1880.884
17	1697.077	1701.166	1711.116	1725.732	1733.149
18	1581.078	1584.433	1593.223	1606.110	1611.970
19	1483.894	1486.488	1494.042	1503.670	1509.790
20	1402.863	1403.782	1409.512	1416.785	1421.781
21	1332.316	1331.493	1336.207	1341.992	1346.205
22	1272.337	1268.488	1272.550	1276.832	1281.011
23	1218.582	1213.051	1216.407	1219.275	1224.003
24	1167.592	1163.564	1164.559	1166.885	1171.881
25	1121.069	1117.288	1116.314	1117.844	1121.796
26	1075.040	1071.561	1068.699	1070.339	1073.167
27	1028.551	1023.672	1020.283	1020.619	1024.455
28	976.998	971.337	965.237	965.319	968.984
29	915.811	912.682	905.807	906.061	911.283
30	851.338	847.029	834.719	837.086	841.690
31	771.116	767.205	757.695	757.427	762.361
32	681.179	679.292	671.682	674.736	677.412
33	586.012	585.292	580.351	585.443	588.441
34	490.537	491.223	489.721	495.670	498.387
35	401.210	402.116	403.845	411.338	413.095
36	322.841	323.335	328.591	336.558	338.610
37	257.105	260.166	265.140	274.486	274.212
38	205.875	209.896	216.641	221.671	222.734
39	173.082	172.101	177.886	182.819	183.883
40	144.173	146.527	152.449	155.550	158.391
41	127.211	128.597	131.788	133.915	135.075
42	115.169	115.910	118.304	119.649	120.288
43	105.905	106.379	108.293	109.068	109.762
44	98.172	98.645	99.990	100.649	100.924
45	91.358	91.880	93.087	93.410	93.712
46	85.045	85.601	86.617	87.049	87.296
47	79.089	79.604	80.585	81.024	81.264
48	73.469	73.991	74.917	75.425	75.665
49	68.220	68.687	69.558	70.093	70.320
50	63.280	63.657	64.528	65.050	65.283
51	58.662	59.025	59.828	60.363	60.604
52	54.373	54.682	55.437	55.979	56.164

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-850-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	50.366	50.668	51.361	51.910	52.074
54	46.681	46.949	47.559	48.074	48.252
55	43.181	43.401	44.005	44.451	44.657
56	39.778	39.991	40.553	40.972	41.164
57	36.553	36.766	37.287	37.658	37.850
58	33.650	33.836	34.309	34.645	34.837
59	30.974	31.132	31.557	31.873	32.058
60	28.504	28.655	29.053	29.321	29.492
61	26.267	26.391	26.754	26.994	27.118
62	24.222	24.346	24.654	24.874	24.977
63	22.349	22.459	22.747	22.925	23.008
64	20.661	20.716	20.990	21.141	21.189
65	19.103	19.144	19.391	19.508	19.556
66	17.635	17.683	17.875	17.992	18.012
67	16.283	16.331	16.503	16.592	16.612
68	15.034	15.082	15.219	15.295	15.302
69	13.875	13.888	14.026	14.080	14.074
70	12.777	12.790	12.900	12.941	12.928
71	11.741	11.741	11.830	11.864	11.837
72	10.773	10.746	10.821	10.842	10.835
73	9.812	9.792	9.854	9.860	9.840
74	8.886	8.872	8.913	8.927	8.907
75	8.001	7.980	8.008	8.028	8.001
76	7.123	7.102	7.123	7.136	7.123
77	6.251	6.244	6.272	6.272	6.272
78	5.400	5.393	5.421	5.421	5.435
79	4.549	4.543	4.584	4.591	4.597
80	3.699	3.699	3.740	3.767	3.760
81	2.786	2.813	2.834	2.855	2.841
82	1.619	1.661	1.702	1.695	1.709
83	0.810	0.810	0.878	0.913	0.968
84	0.734	0.734	0.741	0.734	0.734
85	0.679	0.679	0.679	0.679	0.679
86	0.604	0.611	0.611	0.604	0.611
87	0.515	0.515	0.521	0.515	0.515
88	0.398	0.405	0.405	0.398	0.398
89	0.268	0.268	0.268	0.268	0.268
90	0.151	0.158	0.165	0.172	0.172
91	0.144	0.151	0.144	0.144	0.137
92	0.151	0.151	0.151	0.151	0.137
93	0.151	0.151	0.151	0.151	0.137
94	0.151	0.158	0.158	0.151	0.144
95	0.158	0.158	0.158	0.151	0.151
96	0.158	0.165	0.165	0.158	0.165
97	0.172	0.172	0.172	0.172	0.172
98	0.178	0.178	0.172	0.178	0.178
99	0.185	0.192	0.185	0.178	0.185
100	0.185	0.192	0.192	0.185	0.185
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

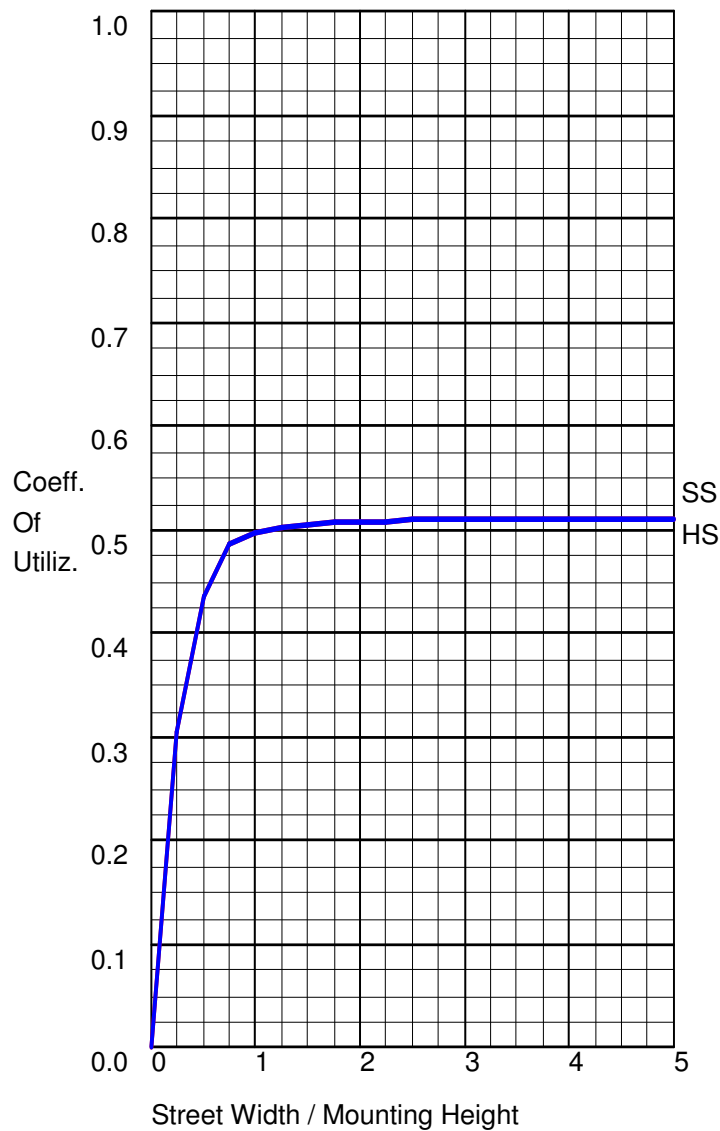
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-850-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L20-850-XXX-DIM-UNV-N-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

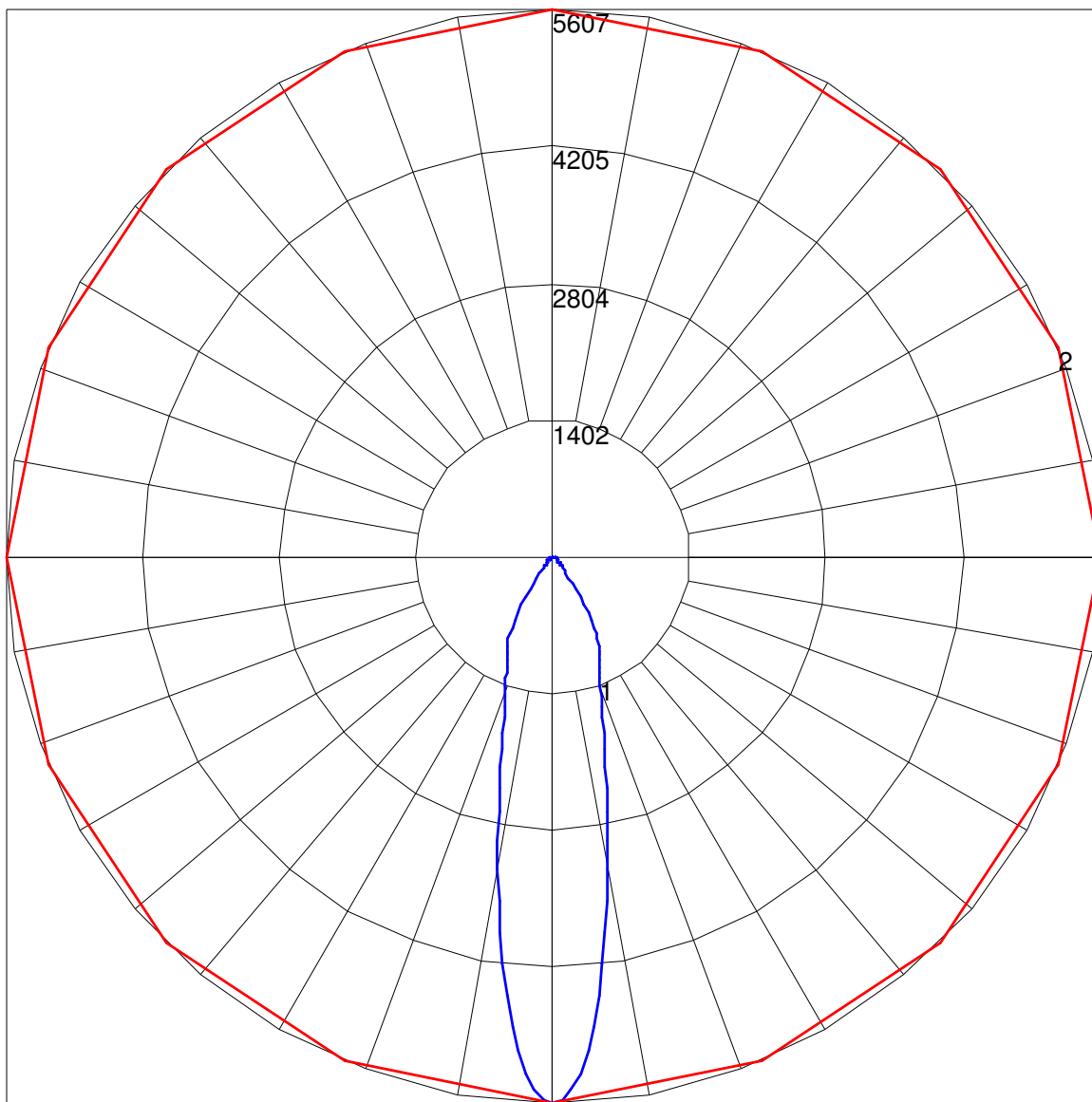
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	951.2	50.0
Downward House Side	951.2	50.0
Downward Total	1902.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1902.6	100.0

POLAR GRAPH



Maximum Candela = 5607.011 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

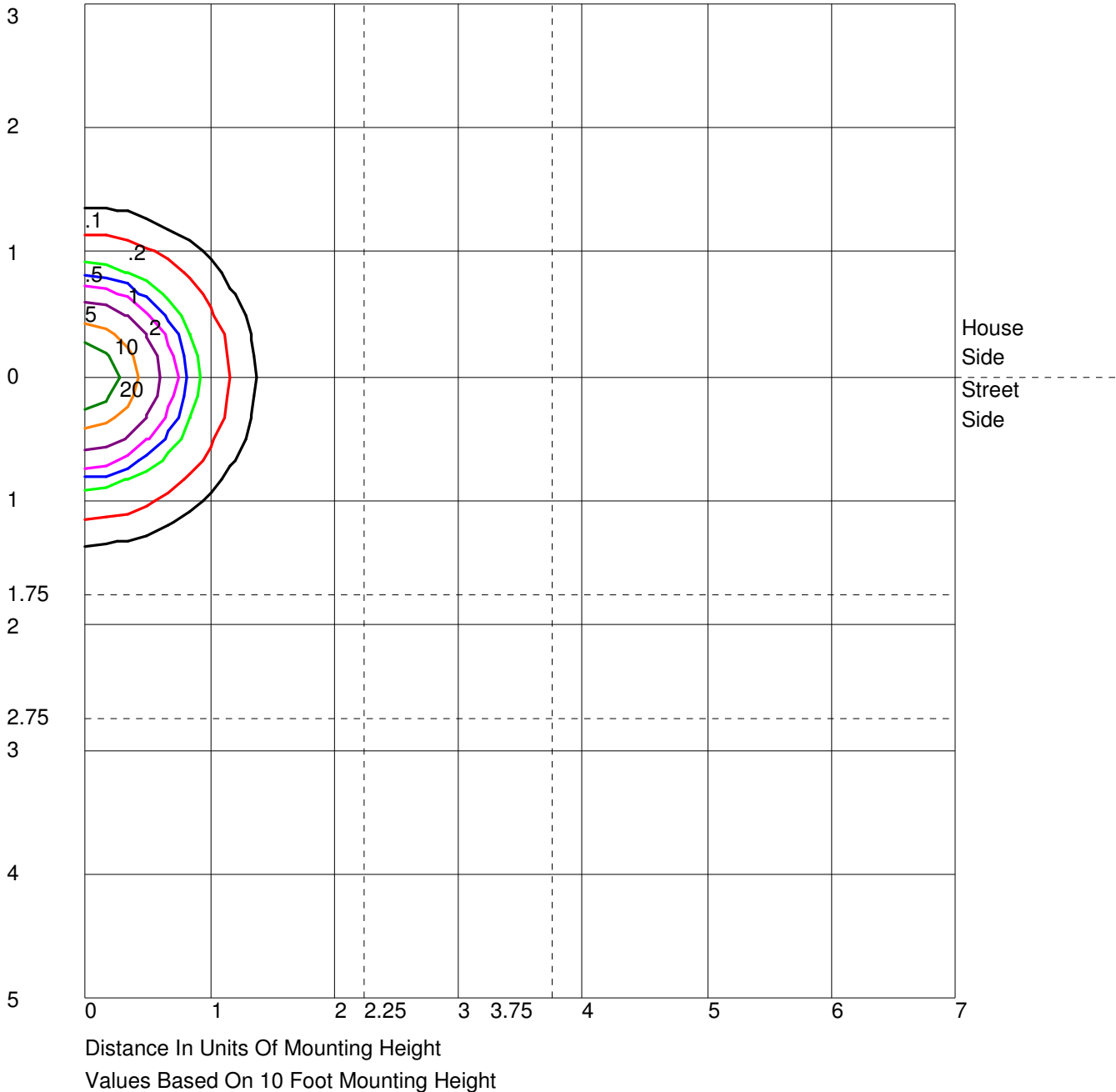


PHOTO IES R

