

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-840-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-L10-840-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	996
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2120.318
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	2120.318
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.076 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.654 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-840-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	417.1	N.A.	41.9
FM - Front-Medium (30-60)	75.3	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)	417.1	N.A.	41.9
BM - Back-Medium (30-60)	75.3	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	995.7	N.A.	100.0
BUG Rating	B1-U1-G0		

IES ROAD REPORT
PHOTOMETRIC FILENAME : W6CR-XX-L10-840-XXX-DIM-UNV-M-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	2115.511	2115.511	2115.511	2115.511	2115.511
1	2118.231	2118.178	2117.222	2116.540	2115.683
2	2120.318	2118.998	2116.388	2113.893	2111.356
3	2119.160	2117.556	2112.871	2108.206	2104.136
4	2115.461	2112.044	2104.960	2098.006	2093.794
5	2102.175	2098.019	2088.669	2079.207	2074.545
6	2078.982	2073.470	2060.686	2049.043	2043.108
7	2040.266	2033.516	2019.194	2007.495	1998.800
8	1986.152	1979.475	1965.097	1954.334	1943.250
9	1916.375	1911.307	1898.993	1889.209	1877.812
10	1833.236	1831.893	1821.607	1813.990	1805.392
11	1740.624	1741.667	1735.427	1730.011	1722.514
12	1643.341	1643.943	1641.720	1640.013	1632.837
13	1543.143	1543.851	1545.542	1545.806	1539.024
14	1440.282	1440.943	1446.505	1448.612	1442.819
15	1337.291	1338.631	1345.969	1350.042	1345.314
16	1236.170	1238.105	1245.685	1251.303	1247.756
17	1138.010	1142.301	1147.591	1155.016	1151.889
18	1045.041	1049.630	1054.698	1061.213	1059.307
19	958.256	961.445	967.711	973.501	970.762
20	880.344	880.420	886.630	892.698	890.762
21	805.932	806.104	811.656	817.793	815.067
22	740.649	739.405	745.271	750.372	748.950
23	684.093	682.115	687.653	691.481	691.468
24	634.274	632.570	636.986	639.987	640.226
25	590.069	589.175	591.806	594.747	594.575
26	551.419	550.118	551.174	554.059	552.841
27	515.220	513.281	513.920	515.816	515.376
28	479.631	477.215	476.464	478.641	481.513
29	442.387	440.799	439.254	440.428	441.828
30	404.432	401.424	398.450	400.832	401.610
31	360.478	358.453	355.671	357.087	358.189
32	313.775	312.760	309.957	312.588	312.829
33	265.197	264.836	263.016	265.799	266.427
34	217.134	217.395	216.684	219.559	219.953
35	172.787	172.995	173.286	176.797	176.830
36	134.166	135.080	135.900	139.933	139.417
37	102.081	103.318	105.512	107.784	107.847
38	79.530	78.081	80.675	83.924	83.262
39	59.940	61.025	64.297	64.790	66.924
40	48.966	49.250	50.759	52.145	52.933
41	40.896	41.681	42.723	43.047	43.384
42	35.815	36.003	36.767	37.403	37.125
43	32.089	32.251	32.738	32.817	32.728
44	29.188	29.386	29.657	29.595	29.429
45	26.772	26.994	27.156	27.007	26.852
46	24.645	24.844	24.979	24.794	24.638
47	22.670	22.872	22.987	22.809	22.614
48	20.890	21.078	21.184	21.009	20.807
49	19.295	19.451	19.543	19.375	19.163
50	17.839	17.959	18.051	17.889	17.687
51	16.533	16.642	16.711	16.562	16.374
52	15.365	15.451	15.500	15.378	15.186

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-840-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	14.329	14.385	14.432	14.326	14.137
54	13.399	13.442	13.476	13.370	13.204
55	12.543	12.566	12.602	12.496	12.357
56	11.715	11.749	11.765	11.682	11.570
57	10.971	10.994	11.004	10.931	10.842
58	10.313	10.329	10.336	10.266	10.184
59	9.720	9.727	9.724	9.661	9.591
60	9.181	9.178	9.174	9.115	9.055
61	8.688	8.675	8.668	8.612	8.556
62	8.232	8.218	8.202	8.149	8.093
63	7.811	7.788	7.772	7.715	7.659
64	7.398	7.378	7.358	7.302	7.249
65	7.007	6.991	6.964	6.911	6.859
66	6.624	6.607	6.574	6.524	6.471
67	6.253	6.237	6.203	6.151	6.104
68	5.889	5.873	5.840	5.783	5.740
69	5.525	5.512	5.479	5.426	5.376
70	5.171	5.151	5.122	5.072	5.019
71	4.817	4.791	4.764	4.718	4.668
72	4.460	4.433	4.410	4.364	4.324
73	4.103	4.079	4.056	4.017	3.970
74	3.745	3.729	3.702	3.669	3.636
75	3.398	3.385	3.358	3.328	3.299
76	3.047	3.041	3.014	2.991	2.968
77	2.706	2.700	2.680	2.663	2.643
78	2.359	2.356	2.346	2.326	2.323
79	2.012	2.008	2.002	1.995	1.992
80	1.648	1.654	1.648	1.654	1.641
81	1.247	1.261	1.251	1.251	1.237
82	0.705	0.721	0.731	0.738	0.744
83	0.318	0.324	0.367	0.394	0.423
84	0.291	0.294	0.294	0.291	0.291
85	0.268	0.268	0.268	0.268	0.268
86	0.238	0.238	0.242	0.238	0.238
87	0.202	0.202	0.202	0.205	0.202
88	0.155	0.159	0.159	0.159	0.155
89	0.106	0.109	0.109	0.109	0.109
90	0.063	0.066	0.073	0.076	0.076
91	0.063	0.066	0.066	0.066	0.063
92	0.063	0.063	0.066	0.066	0.066
93	0.063	0.066	0.066	0.066	0.066
94	0.063	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	0.073	0.073	0.069	0.069
99	0.069	0.073	0.073	0.073	0.069
100	0.069	0.073	0.073	0.073	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

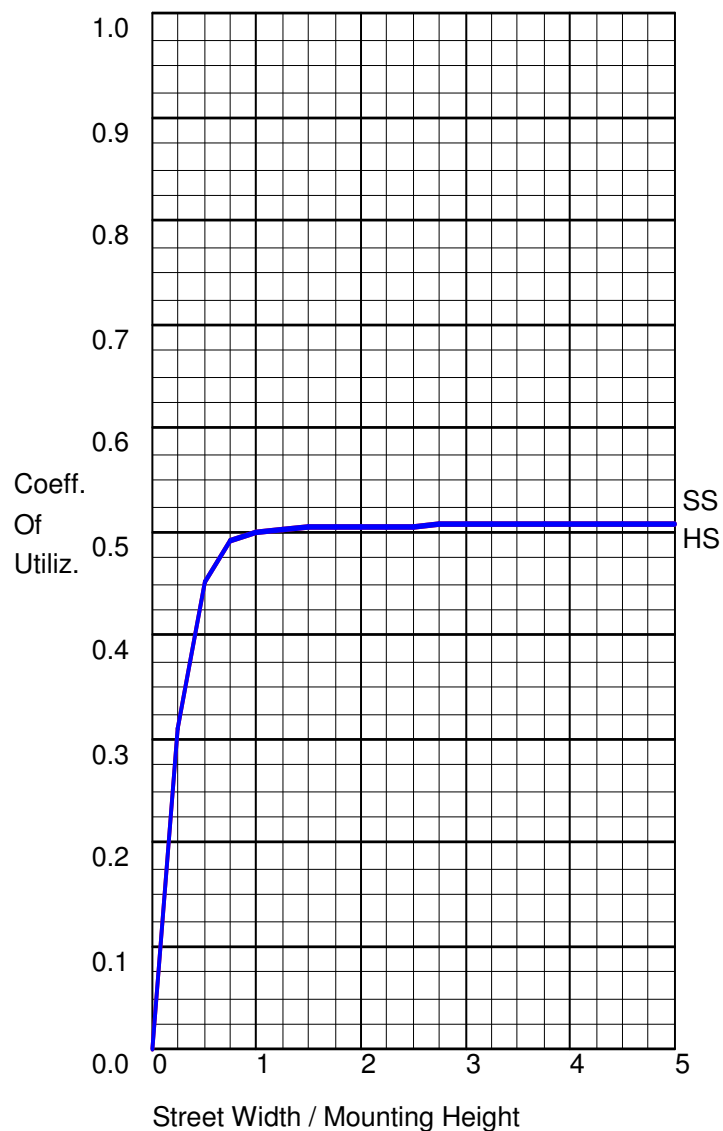
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-840-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-840-XXX-DIM-UNV-M-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

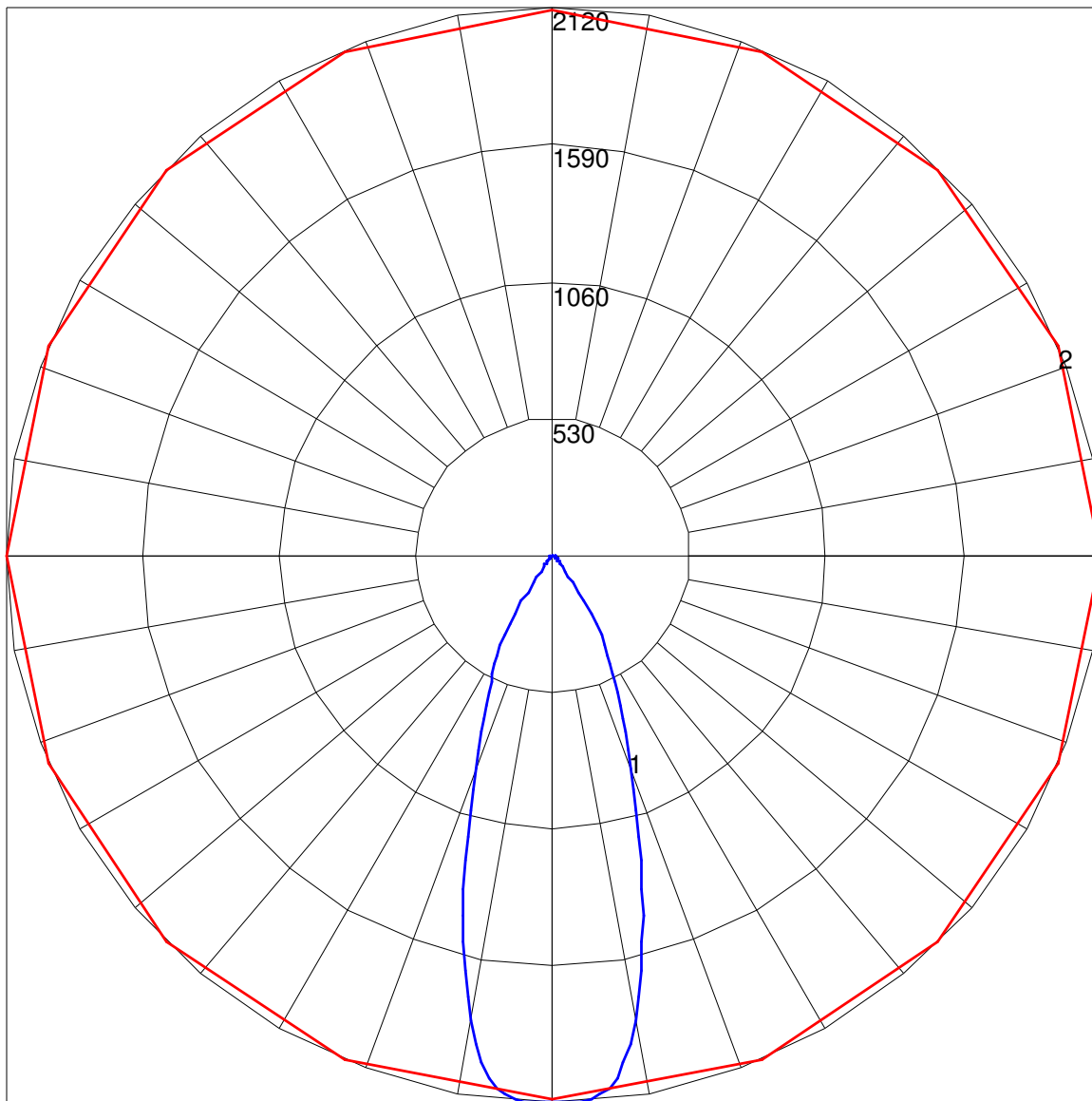
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	497.9	50.0
Downward House Side	497.9	50.0
Downward Total	995.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	995.8	100.0

POLAR GRAPH



Maximum Candela = 2120.318 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

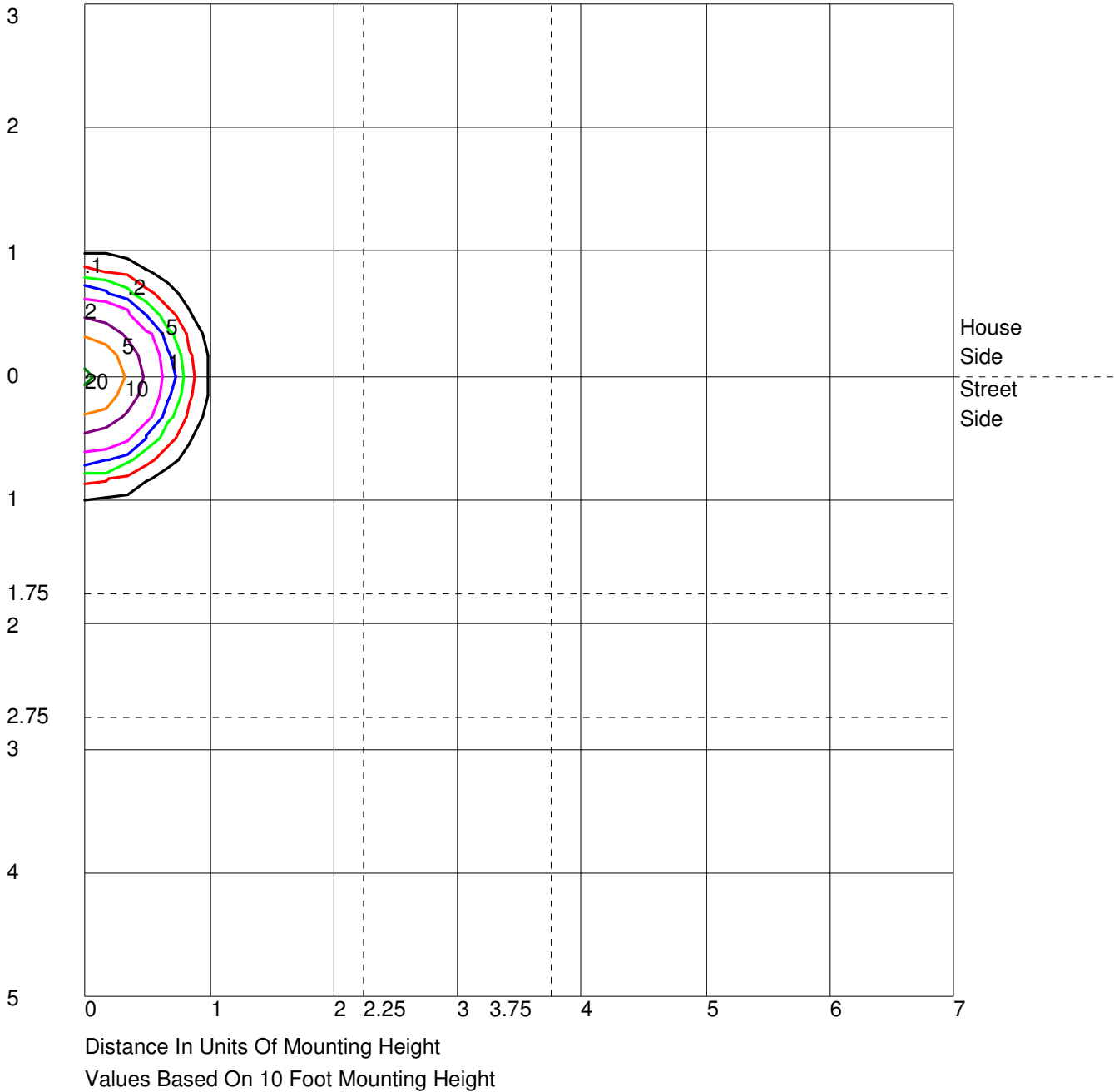


PHOTO IES R

