

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-850-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-L30-850-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	2778
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5914.604
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	5914.604
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.212 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.615 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-850-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1163.4	N.A.	41.9
FM - Front-Medium (30-60)	210.2	N.A.	7.6
FH - Front-High (60-80)	14.6	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1163.4	N.A.	41.9
BM - Back-Medium (30-60)	210.2	N.A.	7.6
BH - Back-High (60-80)	14.6	N.A.	0.5
BVH - Back-Very High (80-90)	0.7	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	2778.0	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-850-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	5901.194	5901.194	5901.194	5901.194	5901.194
1	5908.780	5908.633	5905.965	5904.064	5901.674
2	5914.604	5910.921	5903.640	5896.681	5889.602
3	5911.374	5906.898	5893.829	5880.816	5869.465
4	5901.056	5891.522	5871.763	5852.363	5840.615
5	5863.992	5852.400	5826.319	5799.924	5786.920
6	5799.296	5783.921	5748.260	5715.783	5699.226
7	5691.298	5672.471	5632.518	5599.884	5575.631
8	5540.348	5521.724	5481.614	5451.592	5420.675
9	5345.708	5331.569	5297.218	5269.928	5238.134
10	5113.791	5110.044	5081.351	5060.106	5036.119
11	4855.452	4858.359	4840.953	4825.845	4804.932
12	4584.081	4585.761	4579.559	4574.797	4554.779
13	4304.580	4306.555	4311.271	4312.009	4293.090
14	4017.649	4019.495	4035.009	4040.888	4024.728
15	3730.358	3734.096	3754.566	3765.927	3752.739
16	3448.282	3453.681	3474.825	3490.496	3480.602
17	3174.466	3186.436	3201.193	3221.903	3213.182
18	2915.130	2927.930	2942.069	2960.241	2954.925
19	2673.043	2681.940	2699.420	2715.570	2707.929
20	2455.708	2455.921	2473.244	2490.170	2484.771
21	2248.138	2248.618	2264.104	2281.224	2273.619
22	2066.031	2062.561	2078.924	2093.155	2089.186
23	1908.270	1902.751	1918.200	1928.878	1928.841
24	1769.299	1764.546	1776.867	1785.237	1785.902
25	1645.990	1643.498	1650.835	1659.039	1658.559
26	1538.176	1534.549	1537.493	1545.541	1542.144
27	1437.201	1431.793	1433.574	1438.862	1437.635
28	1337.924	1331.187	1329.092	1335.165	1343.176
29	1234.033	1229.603	1225.293	1228.569	1232.473
30	1128.158	1119.768	1111.471	1118.116	1120.285
31	1005.550	999.902	992.140	996.090	999.163
32	875.273	872.439	864.622	871.959	872.633
33	739.763	738.757	733.681	741.442	743.196
34	605.692	606.422	604.437	612.457	613.556
35	481.986	482.568	483.380	493.172	493.264
36	374.256	376.803	379.092	390.342	388.902
37	284.753	288.204	294.323	300.664	300.839
38	221.848	217.805	225.041	234.104	232.258
39	167.202	170.230	179.357	180.732	186.685
40	136.590	137.383	141.592	145.459	147.655
41	114.080	116.267	119.175	120.079	121.020
42	99.904	100.430	102.562	104.334	103.559
43	89.512	89.965	91.321	91.543	91.294
44	81.419	81.972	82.729	82.554	82.092
45	74.681	75.300	75.752	75.337	74.903
46	68.747	69.301	69.679	69.162	68.729
47	63.237	63.800	64.123	63.625	63.080
48	58.272	58.798	59.094	58.604	58.041
49	53.824	54.258	54.516	54.045	53.455
50	49.763	50.095	50.354	49.901	49.338
51	46.117	46.422	46.616	46.201	45.675
52	42.860	43.100	43.238	42.897	42.361

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-850-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	39.971	40.128	40.257	39.962	39.436
54	37.378	37.498	37.590	37.295	36.833
55	34.987	35.052	35.153	34.858	34.470
56	32.680	32.772	32.818	32.588	32.274
57	30.603	30.668	30.696	30.493	30.244
58	28.767	28.813	28.832	28.638	28.407
59	27.115	27.133	27.124	26.949	26.755
60	25.611	25.601	25.592	25.426	25.260
61	24.235	24.199	24.180	24.023	23.866
62	22.962	22.925	22.879	22.731	22.574
63	21.790	21.725	21.679	21.522	21.365
64	20.636	20.581	20.525	20.368	20.221
65	19.547	19.501	19.427	19.279	19.132
66	18.477	18.430	18.338	18.200	18.052
67	17.443	17.397	17.304	17.157	17.028
68	16.428	16.382	16.289	16.132	16.012
69	15.412	15.376	15.283	15.136	14.997
70	14.425	14.370	14.287	14.148	14.000
71	13.437	13.364	13.290	13.161	13.022
72	12.441	12.367	12.302	12.173	12.062
73	11.444	11.379	11.315	11.204	11.075
74	10.447	10.401	10.327	10.235	10.143
75	9.478	9.441	9.367	9.284	9.201
76	8.500	8.481	8.408	8.343	8.278
77	7.549	7.531	7.476	7.429	7.374
78	6.580	6.571	6.543	6.488	6.479
79	5.611	5.602	5.584	5.565	5.556
80	4.596	4.615	4.596	4.615	4.578
81	3.479	3.516	3.489	3.489	3.452
82	1.966	2.012	2.040	2.058	2.077
83	0.886	0.904	1.024	1.098	1.181
84	0.812	0.821	0.821	0.812	0.812
85	0.748	0.748	0.748	0.748	0.748
86	0.664	0.664	0.674	0.664	0.664
87	0.563	0.563	0.563	0.572	0.563
88	0.434	0.443	0.443	0.443	0.434
89	0.295	0.305	0.305	0.305	0.305
90	0.175	0.185	0.203	0.212	0.212
91	0.175	0.185	0.185	0.185	0.175
92	0.175	0.175	0.185	0.185	0.185
93	0.175	0.185	0.185	0.185	0.185
94	0.175	0.185	0.185	0.185	0.185
95	0.185	0.185	0.185	0.194	0.185
96	0.185	0.185	0.194	0.194	0.185
97	0.185	0.194	0.194	0.194	0.185
98	0.185	0.203	0.203	0.194	0.194
99	0.194	0.203	0.203	0.203	0.194
100	0.194	0.203	0.203	0.203	0.194
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

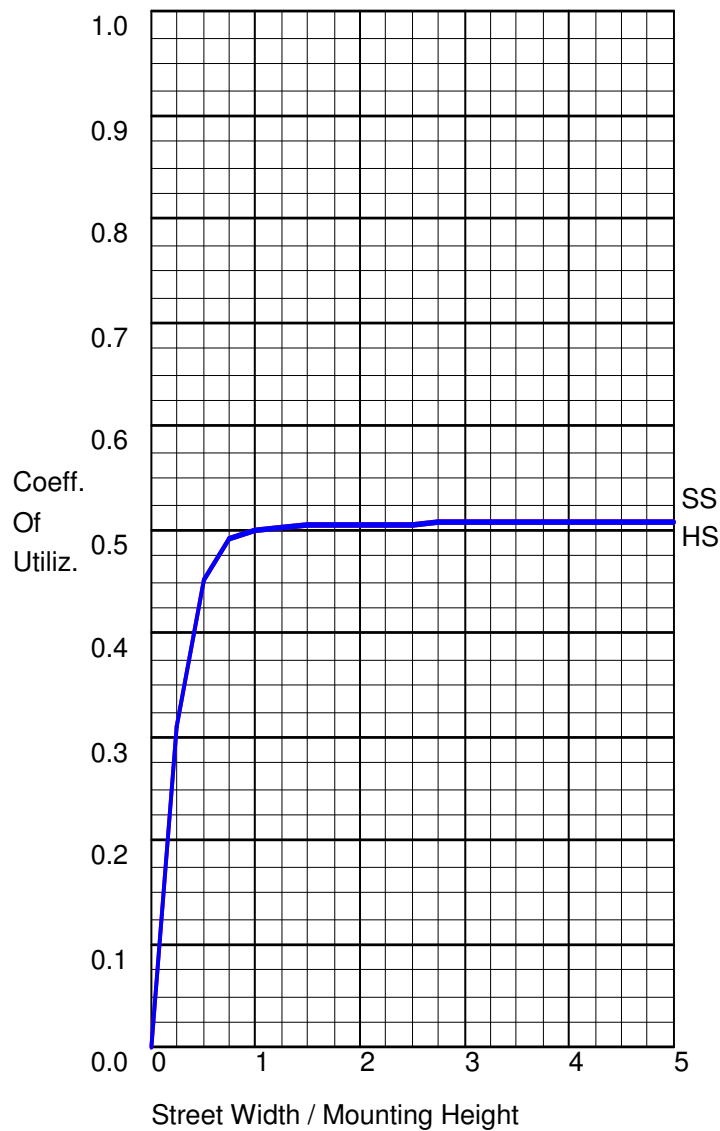
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-850-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L30-850-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

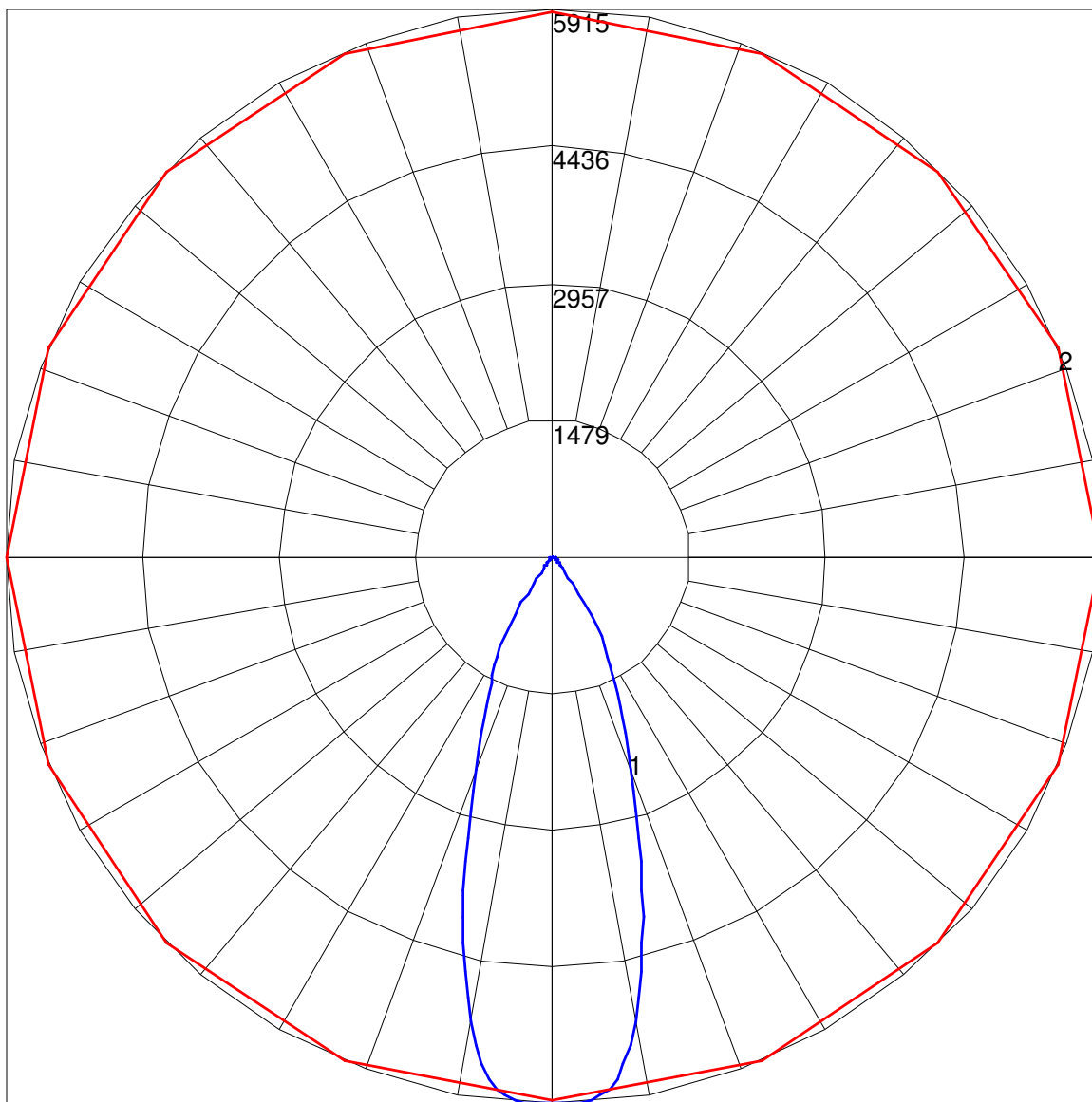
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1388.9	50.0
Downward House Side	1388.9	50.0
Downward Total	2777.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2778.0	100.0

POLAR GRAPH



Maximum Candela = 5914.604 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

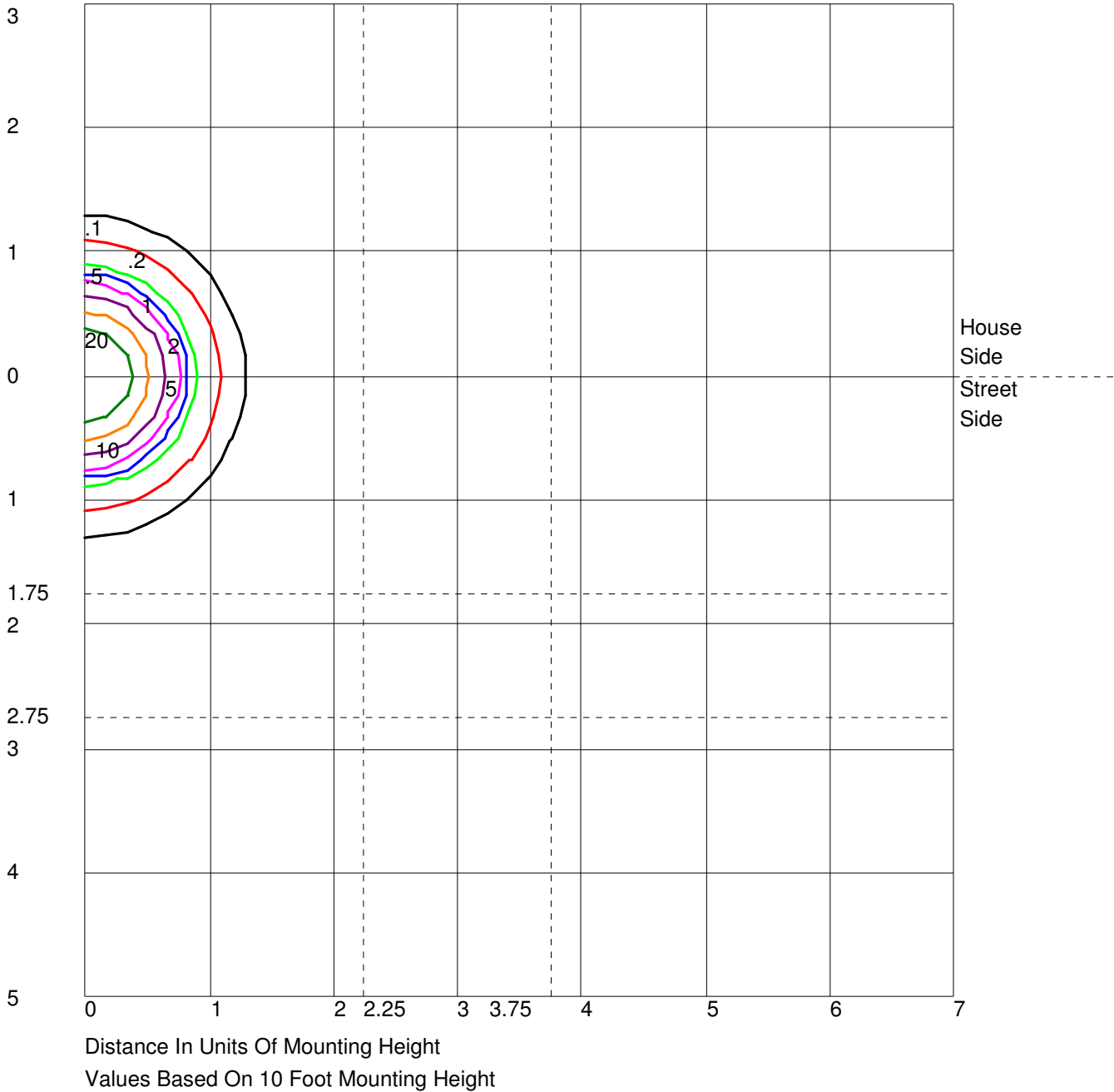


PHOTO IES R

