

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-840-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-L20-840-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	1998
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4253.539
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	4253.539
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.153 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.319 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-840-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	836.7	N.A.	41.9
FM - Front-Medium (30-60)	151.1	N.A.	7.6
FH - Front-High (60-80)	10.5	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	836.7	N.A.	41.9
BM - Back-Medium (30-60)	151.1	N.A.	7.6
BH - Back-High (60-80)	10.5	N.A.	0.5
BVH - Back-Very High (80-90)	0.5	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	1997.7	N.A.	100.0
BUG Rating	B2-U1-G0		

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-840-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	4243.895	4243.895	4243.895	4243.895	4243.895
1	4249.351	4249.245	4247.327	4245.960	4244.240
2	4253.539	4250.891	4245.654	4240.650	4235.559
3	4251.216	4247.997	4238.599	4229.241	4221.077
4	4243.796	4236.940	4222.730	4208.778	4200.329
5	4217.141	4208.805	4190.048	4171.066	4161.714
6	4170.615	4159.557	4133.911	4110.555	4098.648
7	4092.947	4079.407	4050.675	4027.206	4009.764
8	3984.390	3970.996	3942.151	3920.560	3898.326
9	3844.412	3834.244	3809.541	3789.915	3767.050
10	3677.628	3674.933	3654.298	3639.019	3621.769
11	3491.841	3493.931	3481.414	3470.549	3455.509
12	3296.682	3297.890	3293.430	3290.005	3275.609
13	3095.676	3097.097	3100.488	3101.019	3087.413
14	2889.328	2890.655	2901.812	2906.040	2894.418
15	2682.720	2685.408	2700.129	2708.299	2698.815
16	2479.862	2483.745	2498.951	2510.221	2503.106
17	2282.945	2291.553	2302.166	2317.060	2310.788
18	2096.441	2105.647	2115.815	2128.883	2125.061
19	1922.342	1928.740	1941.311	1952.926	1947.431
20	1766.044	1766.197	1778.655	1790.827	1786.945
21	1616.768	1617.113	1628.250	1640.562	1635.093
22	1485.804	1483.309	1495.076	1505.311	1502.457
23	1372.349	1368.380	1379.490	1387.170	1387.143
24	1272.407	1268.989	1277.849	1283.869	1284.347
25	1183.728	1181.936	1187.212	1193.113	1192.768
26	1106.193	1103.584	1105.702	1111.489	1109.047
27	1033.576	1029.686	1030.967	1034.770	1033.888
28	962.180	957.335	955.828	960.195	965.957
29	887.466	884.280	881.180	883.536	886.344
30	811.324	805.291	799.324	804.103	805.663
31	723.150	719.088	713.506	716.347	718.557
32	629.460	627.422	621.801	627.077	627.562
33	532.007	531.283	527.633	533.215	534.476
34	435.589	436.113	434.686	440.454	441.244
35	346.625	347.043	347.627	354.669	354.735
36	269.149	270.981	272.627	280.718	279.683
37	204.782	207.265	211.665	216.225	216.351
38	159.544	156.637	161.840	168.358	167.030
39	120.245	122.422	128.986	129.975	134.256
40	98.230	98.801	101.827	104.608	106.188
41	82.042	83.615	85.705	86.356	87.033
42	71.847	72.225	73.759	75.033	74.475
43	64.374	64.699	65.675	65.834	65.655
44	58.553	58.951	59.495	59.369	59.037
45	53.708	54.152	54.478	54.179	53.867
46	49.440	49.838	50.110	49.739	49.427
47	45.478	45.883	46.115	45.756	45.365
48	41.907	42.285	42.498	42.146	41.741
49	38.708	39.020	39.206	38.867	38.442
50	35.787	36.026	36.212	35.887	35.482
51	33.166	33.385	33.524	33.226	32.847
52	30.823	30.995	31.095	30.849	30.464

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-840-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	28.745	28.858	28.951	28.739	28.361
54	26.880	26.967	27.033	26.821	26.489
55	25.161	25.208	25.281	25.068	24.790
56	23.502	23.568	23.602	23.436	23.210
57	22.009	22.055	22.075	21.929	21.750
58	20.688	20.721	20.734	20.595	20.429
59	19.500	19.513	19.507	19.380	19.241
60	18.418	18.411	18.405	18.285	18.166
61	17.429	17.403	17.389	17.276	17.164
62	16.513	16.487	16.453	16.347	16.234
63	15.670	15.624	15.591	15.478	15.365
64	14.841	14.801	14.761	14.648	14.542
65	14.057	14.024	13.971	13.865	13.759
66	13.288	13.254	13.188	13.088	12.982
67	12.544	12.511	12.445	12.338	12.246
68	11.814	11.781	11.715	11.602	11.515
69	11.084	11.057	10.991	10.885	10.785
70	10.374	10.334	10.274	10.175	10.069
71	9.664	9.611	9.557	9.465	9.365
72	8.947	8.894	8.847	8.754	8.675
73	8.230	8.184	8.137	8.057	7.965
74	7.513	7.480	7.427	7.361	7.294
75	6.816	6.790	6.737	6.677	6.617
76	6.113	6.100	6.046	6.000	5.954
77	5.429	5.416	5.376	5.343	5.303
78	4.732	4.726	4.706	4.666	4.659
79	4.035	4.029	4.015	4.002	3.996
80	3.305	3.319	3.305	3.319	3.292
81	2.502	2.529	2.509	2.509	2.482
82	1.414	1.447	1.467	1.480	1.493
83	0.637	0.650	0.737	0.790	0.850
84	0.584	0.591	0.591	0.584	0.584
85	0.538	0.538	0.538	0.538	0.538
86	0.478	0.478	0.485	0.478	0.478
87	0.405	0.405	0.405	0.412	0.405
88	0.312	0.319	0.319	0.319	0.312
89	0.212	0.219	0.219	0.219	0.219
90	0.126	0.133	0.146	0.153	0.153
91	0.126	0.133	0.133	0.133	0.126
92	0.126	0.126	0.133	0.133	0.133
93	0.126	0.133	0.133	0.133	0.133
94	0.126	0.133	0.133	0.133	0.133
95	0.133	0.133	0.133	0.139	0.133
96	0.133	0.133	0.139	0.139	0.133
97	0.133	0.139	0.139	0.139	0.133
98	0.133	0.146	0.146	0.139	0.139
99	0.139	0.146	0.146	0.146	0.139
100	0.139	0.146	0.146	0.146	0.139
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

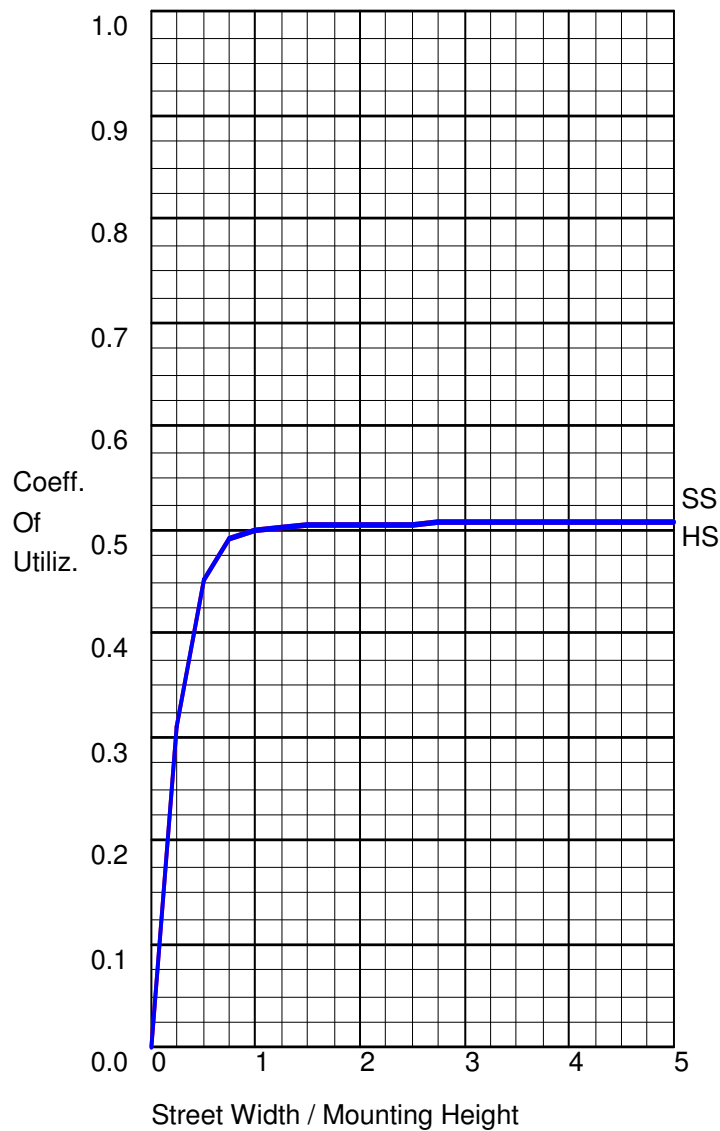
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-840-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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

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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

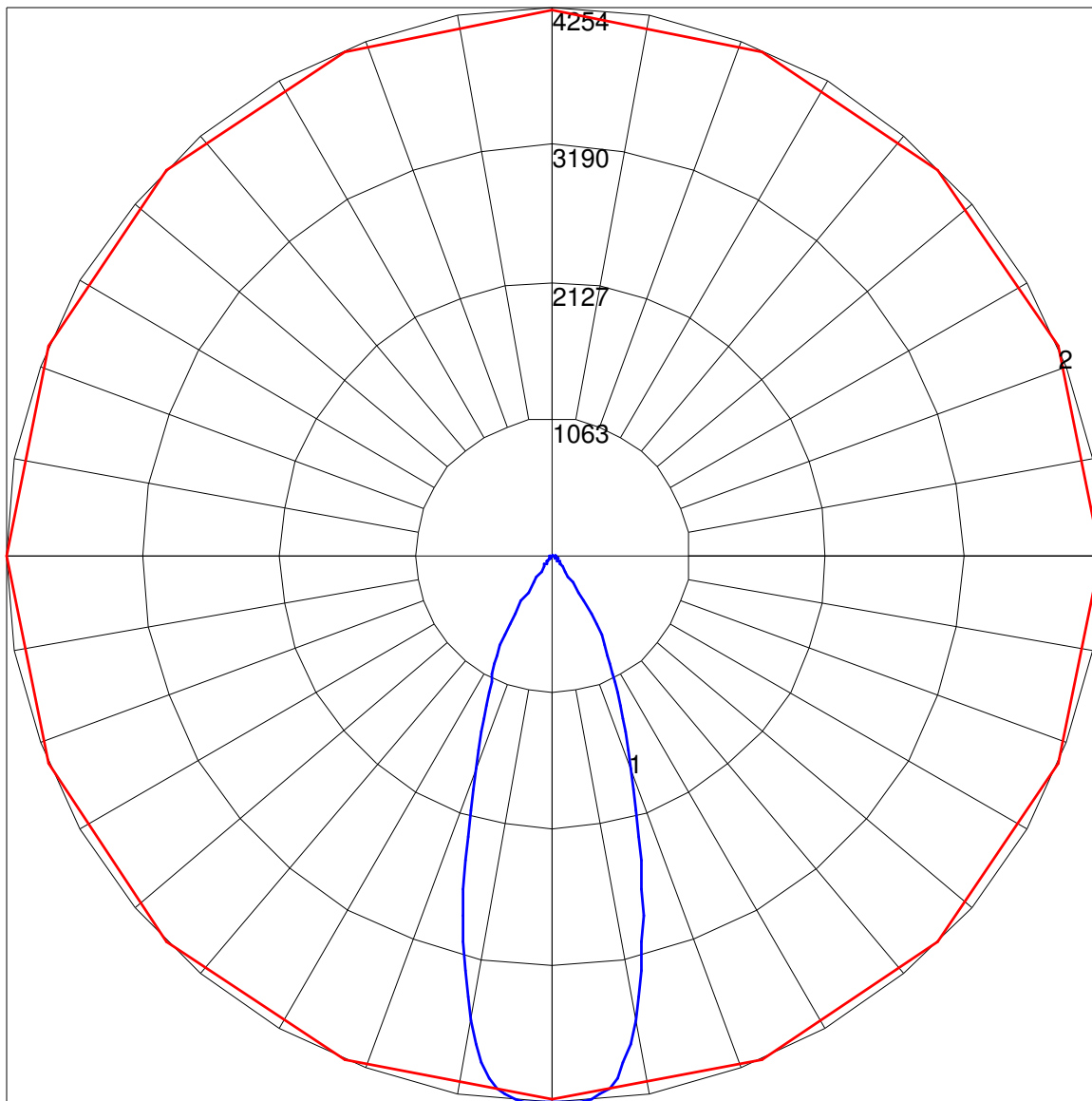
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

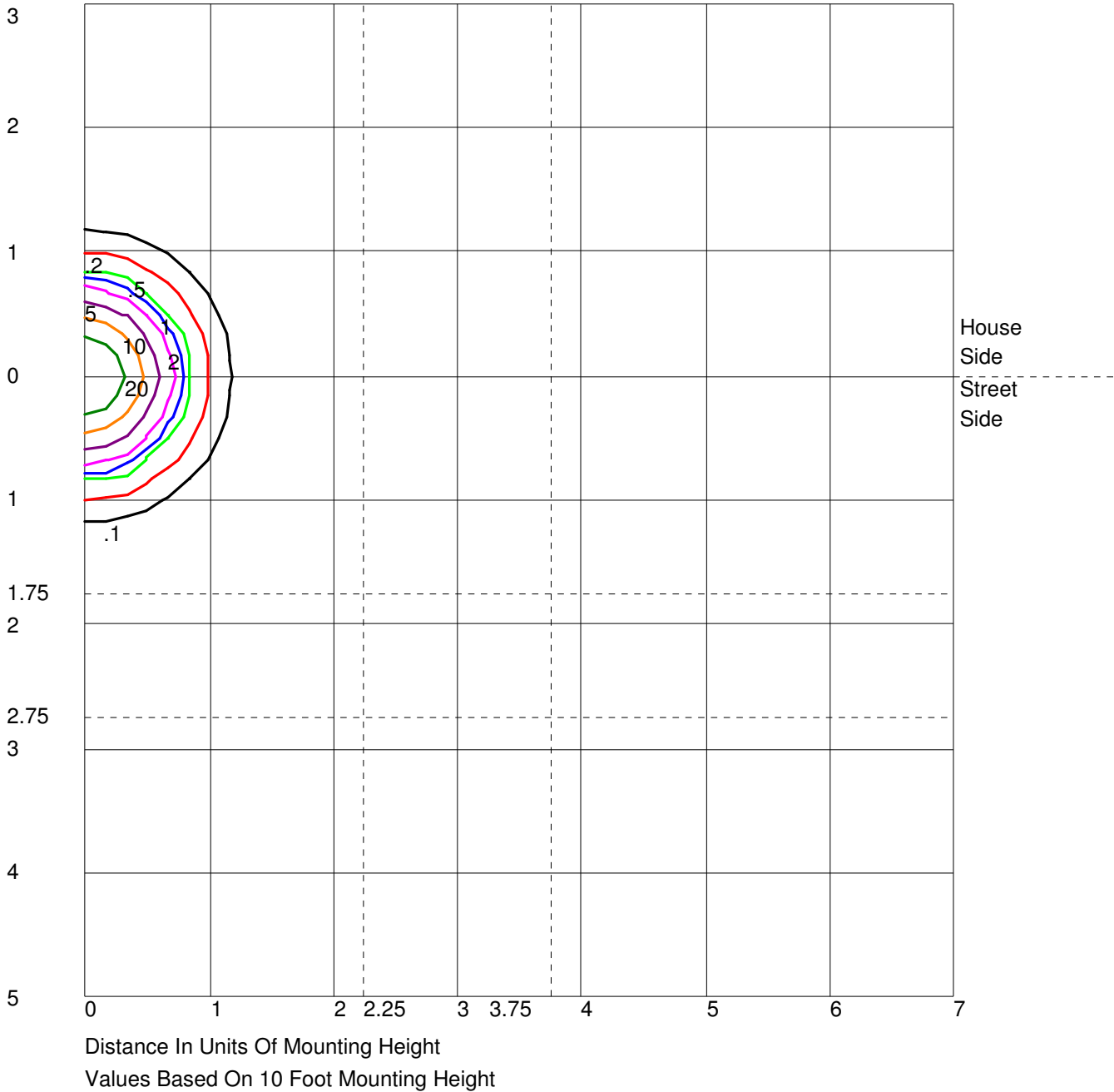
	Lumens	Percent Of Luminaire
Downward Street Side	998.8	50.0
Downward House Side	998.8	50.0
Downward Total	1997.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1997.8	100.0

POLAR GRAPH



Maximum Candela = 4253.539 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

