

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-840-XXX-DIM-UNV-S-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] W6CR\_Angela-S\_(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-S-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH SPOT DISTRIBUTION  
[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	1079
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10703.924
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10703.924
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.076 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.749 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	476.8	N.A.	44.2
FM - Front-Medium (30-60)	57.0	N.A.	5.3
FH - Front-High (60-80)	5.2	N.A.	0.5
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	476.8	N.A.	44.2
BM - Back-Medium (30-60)	57.0	N.A.	5.3
BH - Back-High (60-80)	5.2	N.A.	0.5
BVH - Back-Very High (80-90)	0.3	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	1078.7	N.A.	100.0
BUG Rating	B1-U1-G0		

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**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	10703.924	10703.924	10703.924	10703.924	10703.924
1	10519.807	10523.981	10524.414	10525.661	10526.763
2	10075.075	10052.330	10088.155	10065.525	10085.643
3	9349.027	9341.652	9348.365	9400.727	9386.708
4	8322.798	8416.842	8436.205	8434.830	8454.464
5	7245.823	7258.508	7285.638	7367.699	7372.892
6	6019.917	6041.692	6148.382	6200.982	6262.710
7	4877.438	4851.999	4953.112	5071.871	5081.812
8	3751.936	3804.501	3913.124	3994.545	4030.899
9	2860.410	2910.520	2994.788	3086.528	3130.558
10	2171.430	2190.978	2291.218	2370.297	2409.689
11	1651.665	1672.913	1752.387	1830.486	1849.423
12	1280.577	1309.183	1369.996	1412.149	1434.592
13	1047.774	1044.148	1081.153	1121.512	1141.215
14	842.694	850.418	885.927	925.576	931.766
15	715.261	719.619	755.447	770.317	797.929
16	625.652	628.357	648.839	667.368	676.569
17	562.091	563.837	579.342	594.227	601.903
18	517.067	518.386	530.306	542.537	548.308
19	486.359	487.571	497.128	505.854	512.428
20	467.386	466.371	473.393	480.210	485.039
21	452.180	452.245	456.607	461.650	465.997
22	442.422	441.459	445.113	448.012	452.540
23	434.378	432.549	435.407	437.818	442.030
24	426.262	424.419	426.137	427.700	432.054
25	417.401	416.023	416.338	417.820	421.624
26	407.165	405.634	405.319	406.673	409.853
27	395.194	392.866	392.042	392.870	396.593
28	379.329	376.682	374.826	375.584	379.606
29	358.645	356.345	352.469	353.713	357.360
30	331.883	329.822	325.035	326.368	329.468
31	298.411	296.724	292.103	293.585	296.634
32	259.434	258.606	254.716	257.044	259.656
33	217.097	216.980	214.357	217.322	219.955
34	174.106	174.736	173.708	177.047	179.156
35	133.948	135.316	135.116	139.958	140.374
36	98.979	99.787	102.232	105.308	106.756
37	71.676	70.312	74.957	78.019	81.431
38	49.414	48.953	52.122	55.275	56.217
39	33.199	35.554	37.813	39.444	40.186
40	24.217	25.384	27.112	29.465	29.333
41	19.274	19.824	21.012	21.937	22.419
42	16.610	16.759	17.521	18.020	18.286
43	15.172	15.193	15.612	15.820	15.972
44	14.369	14.400	14.563	14.604	14.694
45	13.901	13.936	13.960	13.936	14.001
46	13.589	13.610	13.565	13.516	13.572
47	13.343	13.340	13.260	13.208	13.229
48	13.149	13.118	13.007	12.966	12.959
49	12.993	12.934	12.803	12.740	12.720
50	12.872	12.782	12.626	12.550	12.508
51	12.779	12.668	12.470	12.387	12.332
52	12.720	12.574	12.349	12.249	12.179

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53	12.675	12.501	12.245	12.124	12.065
54	12.619	12.425	12.127	11.985	11.916
55	12.432	12.228	11.923	11.760	11.722
56	12.107	11.909	11.587	11.428	11.445
57	11.687	11.525	11.182	11.040	11.105
58	11.216	11.081	10.735	10.614	10.711
59	10.669	10.562	10.233	10.132	10.264
60	10.077	9.980	9.696	9.619	9.758
61	9.457	9.363	9.134	9.079	9.204
62	8.826	8.740	8.566	8.528	8.632
63	8.206	8.130	8.009	7.974	8.050
64	7.600	7.524	7.465	7.434	7.493
65	7.046	6.970	6.952	6.921	6.973
66	6.516	6.453	6.453	6.433	6.474
67	6.031	5.989	6.000	5.982	6.017
68	5.601	5.570	5.587	5.567	5.598
69	5.206	5.186	5.199	5.186	5.206
70	4.843	4.836	4.843	4.829	4.843
71	4.507	4.507	4.510	4.493	4.500
72	4.202	4.191	4.195	4.178	4.178
73	3.904	3.890	3.887	3.869	3.869
74	3.613	3.592	3.592	3.571	3.575
75	3.318	3.298	3.294	3.270	3.280
76	3.017	3.000	3.000	2.976	2.989
77	2.716	2.705	2.702	2.685	2.698
78	2.411	2.394	2.394	2.380	2.397
79	2.085	2.071	2.078	2.068	2.092
80	1.732	1.729	1.732	1.739	1.749
81	1.330	1.337	1.334	1.337	1.337
82	0.759	0.779	0.800	0.793	0.811
83	0.360	0.364	0.405	0.423	0.447
84	0.329	0.329	0.329	0.326	0.326
85	0.305	0.301	0.301	0.298	0.301
86	0.274	0.270	0.270	0.270	0.270
87	0.232	0.232	0.232	0.229	0.229
88	0.184	0.184	0.184	0.180	0.177
89	0.125	0.125	0.121	0.121	0.118
90	0.069	0.073	0.076	0.076	0.076
91	0.069	0.069	0.066	0.062	0.062
92	0.069	0.069	0.066	0.066	0.062
93	0.073	0.073	0.066	0.066	0.062
94	0.076	0.073	0.069	0.066	0.066
95	0.076	0.073	0.069	0.069	0.066
96	0.080	0.073	0.073	0.069	0.069
97	0.080	0.073	0.076	0.073	0.073
98	0.080	0.076	0.076	0.073	0.073
99	0.080	0.076	0.076	0.073	0.076
100	0.080	0.080	0.080	0.076	0.076
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

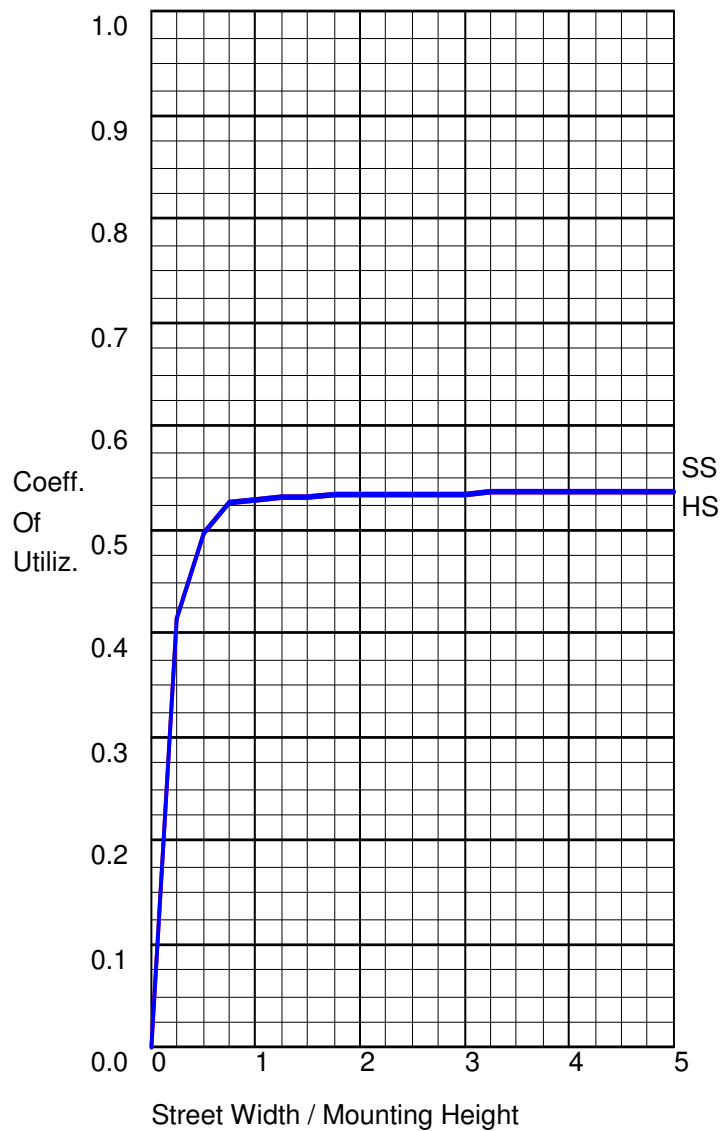
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-840-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

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

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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

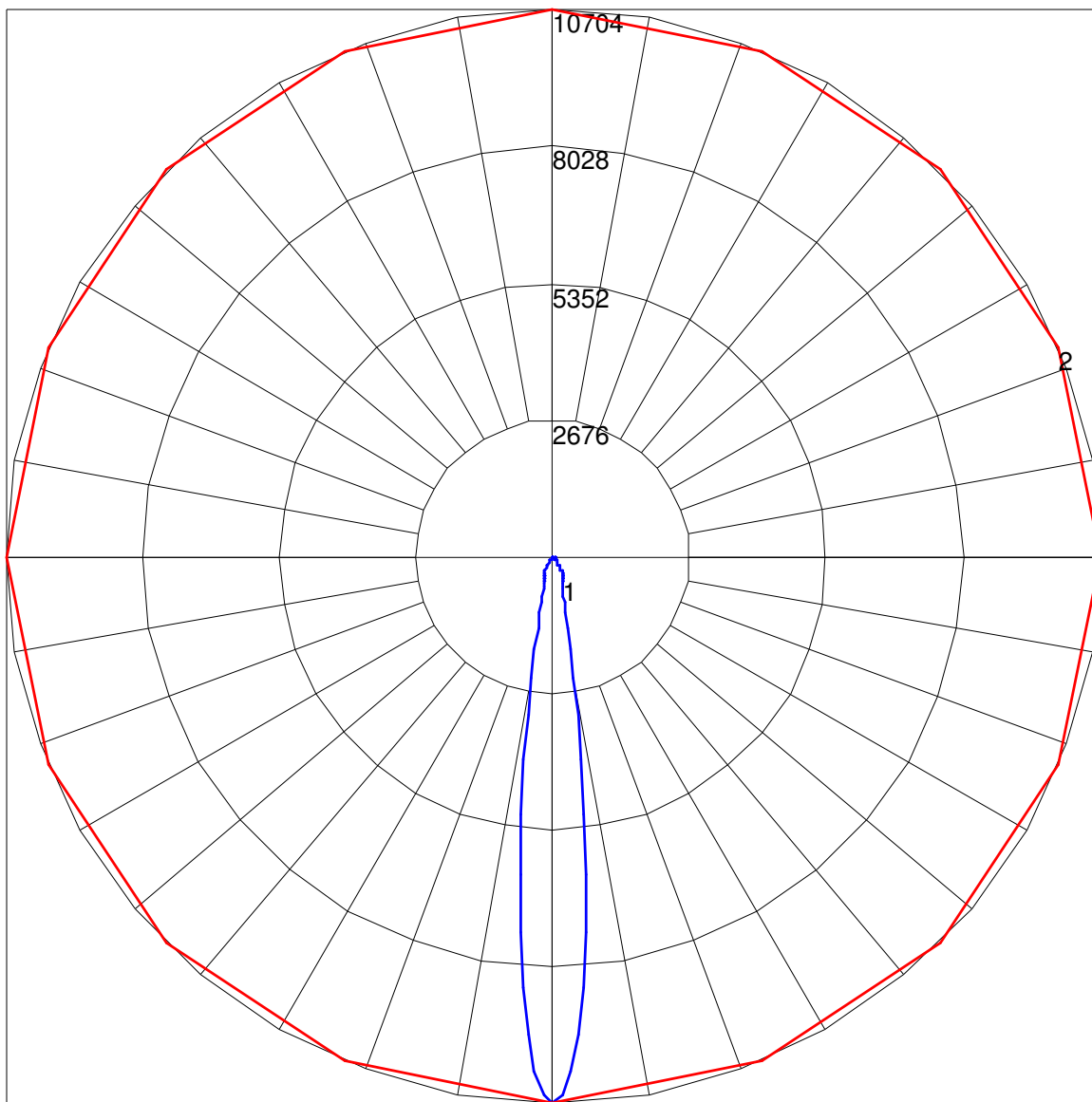
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

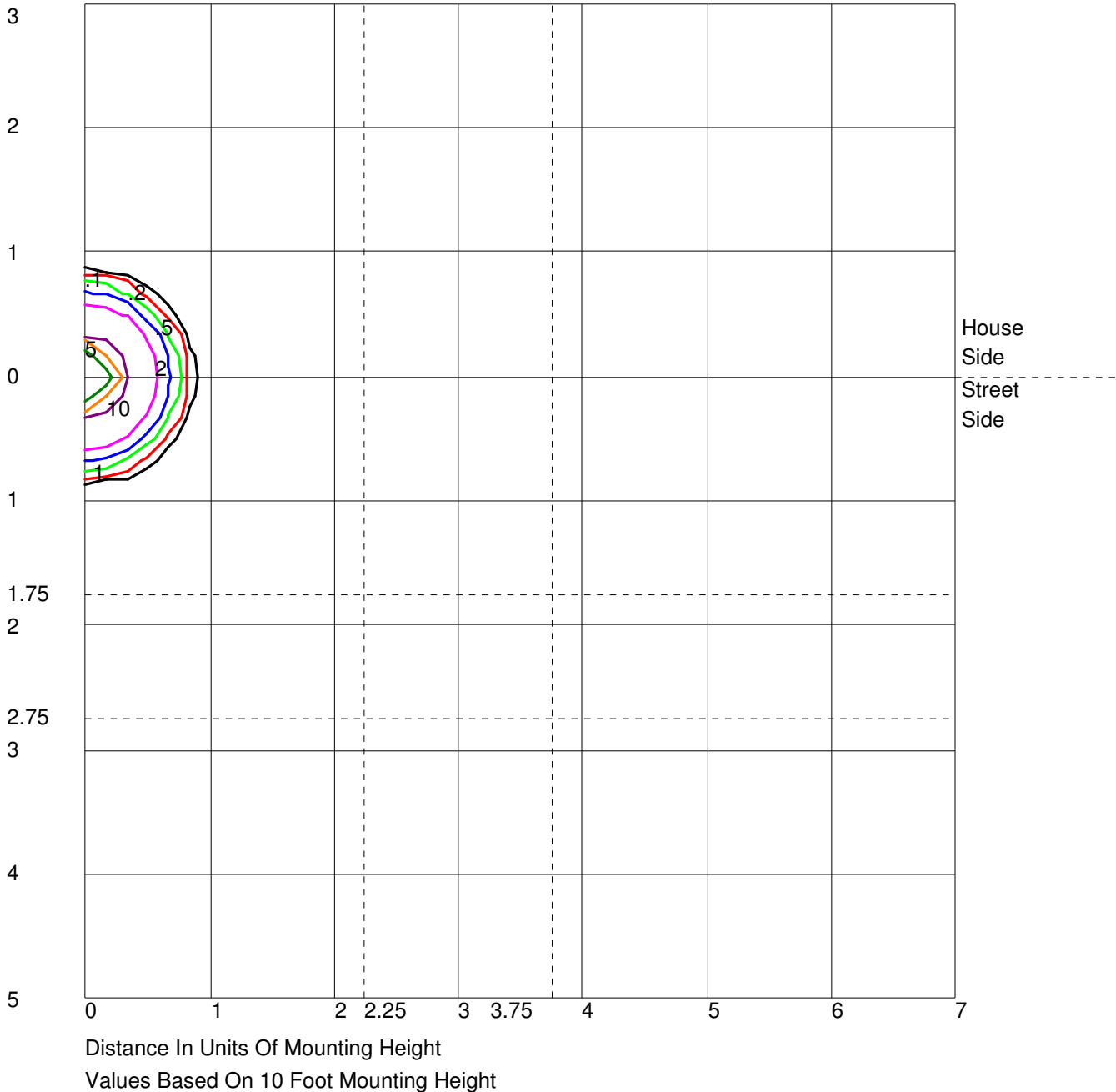
	Lumens	Percent Of Luminaire
Downward Street Side	539.3	50.0
Downward House Side	539.3	50.0
Downward Total	1078.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1078.6	100.0

POLAR GRAPH



Maximum Candela = 10703.924 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

