

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-930-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-L30-930-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	2666
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5675.629
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	5675.629
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.204 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.428 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-930-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1116.4	N.A.	41.9
FM - Front-Medium (30-60)	201.7	N.A.	7.6
FH - Front-High (60-80)	14.0	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1116.4	N.A.	41.9
BM - Back-Medium (30-60)	201.7	N.A.	7.6
BH - Back-High (60-80)	14.0	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	2665.8	N.A.	100.0
BUG Rating	B3-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	5662.761	5662.761	5662.761	5662.761	5662.761
1	5670.041	5669.899	5667.340	5665.516	5663.222
2	5675.629	5672.096	5665.108	5658.431	5651.638
3	5672.530	5668.234	5655.694	5643.207	5632.314
4	5662.628	5653.480	5634.519	5615.903	5604.630
5	5627.062	5615.939	5590.911	5565.583	5553.104
6	5564.981	5550.226	5516.006	5484.841	5468.953
7	5461.346	5443.279	5404.941	5373.626	5350.352
8	5316.495	5298.623	5260.134	5231.325	5201.657
9	5129.719	5116.151	5083.189	5057.001	5026.491
10	4907.173	4903.577	4876.043	4855.656	4832.639
11	4659.271	4662.061	4645.358	4630.861	4610.793
12	4398.865	4400.477	4394.526	4389.956	4370.747
13	4130.657	4132.552	4137.078	4137.786	4119.631
14	3855.319	3857.091	3871.978	3877.619	3862.112
15	3579.636	3583.223	3602.866	3613.768	3601.113
16	3308.957	3314.138	3334.427	3349.465	3339.971
17	3046.204	3057.691	3071.852	3091.725	3083.356
18	2797.346	2809.630	2823.198	2840.635	2835.534
19	2565.041	2573.578	2590.352	2605.850	2598.517
20	2356.488	2356.691	2373.314	2389.556	2384.376
21	2157.304	2157.764	2172.625	2189.053	2181.756
22	1982.554	1979.225	1994.927	2008.583	2004.775
23	1831.168	1825.872	1840.697	1850.943	1850.908
24	1697.812	1693.251	1705.074	1713.106	1713.744
25	1579.485	1577.094	1584.134	1592.007	1591.547
26	1476.027	1472.547	1475.372	1483.094	1479.835
27	1379.132	1373.942	1375.652	1380.726	1379.548
28	1283.867	1277.402	1275.391	1281.219	1288.906
29	1184.173	1179.922	1175.786	1178.930	1182.676
30	1082.575	1074.525	1066.563	1072.940	1075.021
31	964.921	959.501	952.053	955.844	958.793
32	839.908	837.189	829.688	836.729	837.375
33	709.873	708.908	704.037	711.485	713.168
34	581.220	581.920	580.016	587.712	588.765
35	462.512	463.070	463.849	473.246	473.334
36	359.134	361.579	363.775	374.571	373.189
37	273.248	276.560	282.431	288.516	288.684
38	212.884	209.005	215.948	224.645	222.874
39	160.447	163.352	172.110	173.430	179.142
40	131.071	131.833	135.871	139.582	141.689
41	109.471	111.570	114.359	115.227	116.131
42	95.868	96.373	98.418	100.119	99.375
43	85.896	86.330	87.632	87.844	87.605
44	78.129	78.660	79.386	79.218	78.775
45	71.664	72.257	72.691	72.293	71.876
46	65.969	66.501	66.864	66.368	65.952
47	60.682	61.223	61.533	61.054	60.532
48	55.918	56.423	56.706	56.237	55.696
49	51.649	52.065	52.313	51.862	51.295
50	47.752	48.071	48.319	47.885	47.345
51	44.254	44.546	44.732	44.334	43.829
52	41.128	41.358	41.491	41.163	40.650

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-930-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	38.356	38.507	38.631	38.347	37.842
54	35.867	35.983	36.071	35.788	35.345
55	33.574	33.636	33.733	33.450	33.078
56	31.360	31.448	31.492	31.271	30.970
57	29.367	29.429	29.456	29.261	29.022
58	27.605	27.649	27.667	27.481	27.259
59	26.019	26.037	26.028	25.860	25.674
60	24.576	24.567	24.558	24.399	24.239
61	23.256	23.221	23.203	23.053	22.902
62	22.034	21.999	21.954	21.813	21.662
63	20.909	20.847	20.803	20.653	20.502
64	19.802	19.749	19.696	19.546	19.404
65	18.757	18.713	18.642	18.500	18.359
66	17.730	17.686	17.597	17.464	17.323
67	16.738	16.694	16.605	16.464	16.340
68	15.764	15.720	15.631	15.481	15.365
69	14.790	14.754	14.666	14.524	14.391
70	13.842	13.789	13.709	13.576	13.435
71	12.895	12.824	12.753	12.629	12.496
72	11.938	11.867	11.805	11.681	11.575
73	10.982	10.920	10.858	10.751	10.627
74	10.025	9.981	9.910	9.821	9.733
75	9.095	9.060	8.989	8.909	8.830
76	8.157	8.139	8.068	8.006	7.944
77	7.244	7.227	7.173	7.129	7.076
78	6.314	6.306	6.279	6.226	6.217
79	5.385	5.376	5.358	5.340	5.331
80	4.410	4.428	4.410	4.428	4.393
81	3.339	3.374	3.348	3.348	3.312
82	1.886	1.931	1.957	1.975	1.993
83	0.850	0.868	0.983	1.054	1.134
84	0.779	0.788	0.788	0.779	0.779
85	0.717	0.717	0.717	0.717	0.717
86	0.638	0.638	0.646	0.638	0.638
87	0.540	0.540	0.540	0.549	0.540
88	0.416	0.425	0.425	0.425	0.416
89	0.283	0.292	0.292	0.292	0.292
90	0.168	0.177	0.195	0.204	0.204
91	0.168	0.177	0.177	0.177	0.168
92	0.168	0.168	0.177	0.177	0.177
93	0.168	0.177	0.177	0.177	0.177
94	0.168	0.177	0.177	0.177	0.177
95	0.177	0.177	0.177	0.186	0.177
96	0.177	0.177	0.186	0.186	0.177
97	0.177	0.186	0.186	0.186	0.177
98	0.177	0.195	0.195	0.186	0.186
99	0.186	0.195	0.195	0.195	0.186
100	0.186	0.195	0.195	0.195	0.186
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

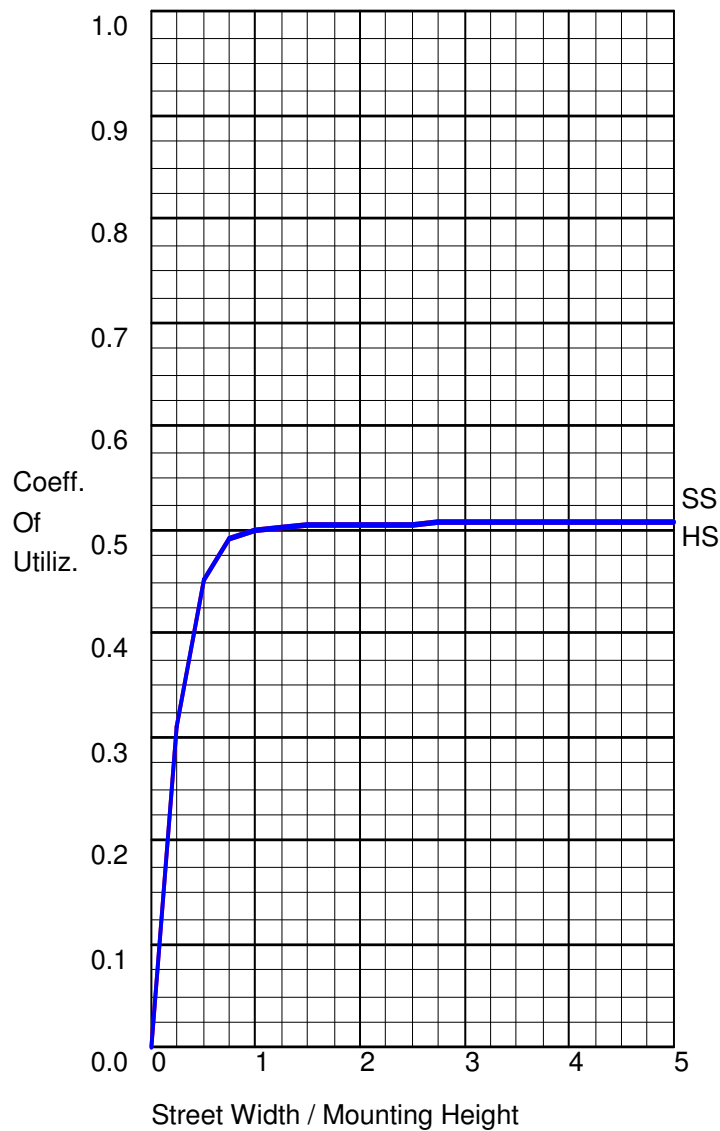
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-930-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L30-930-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

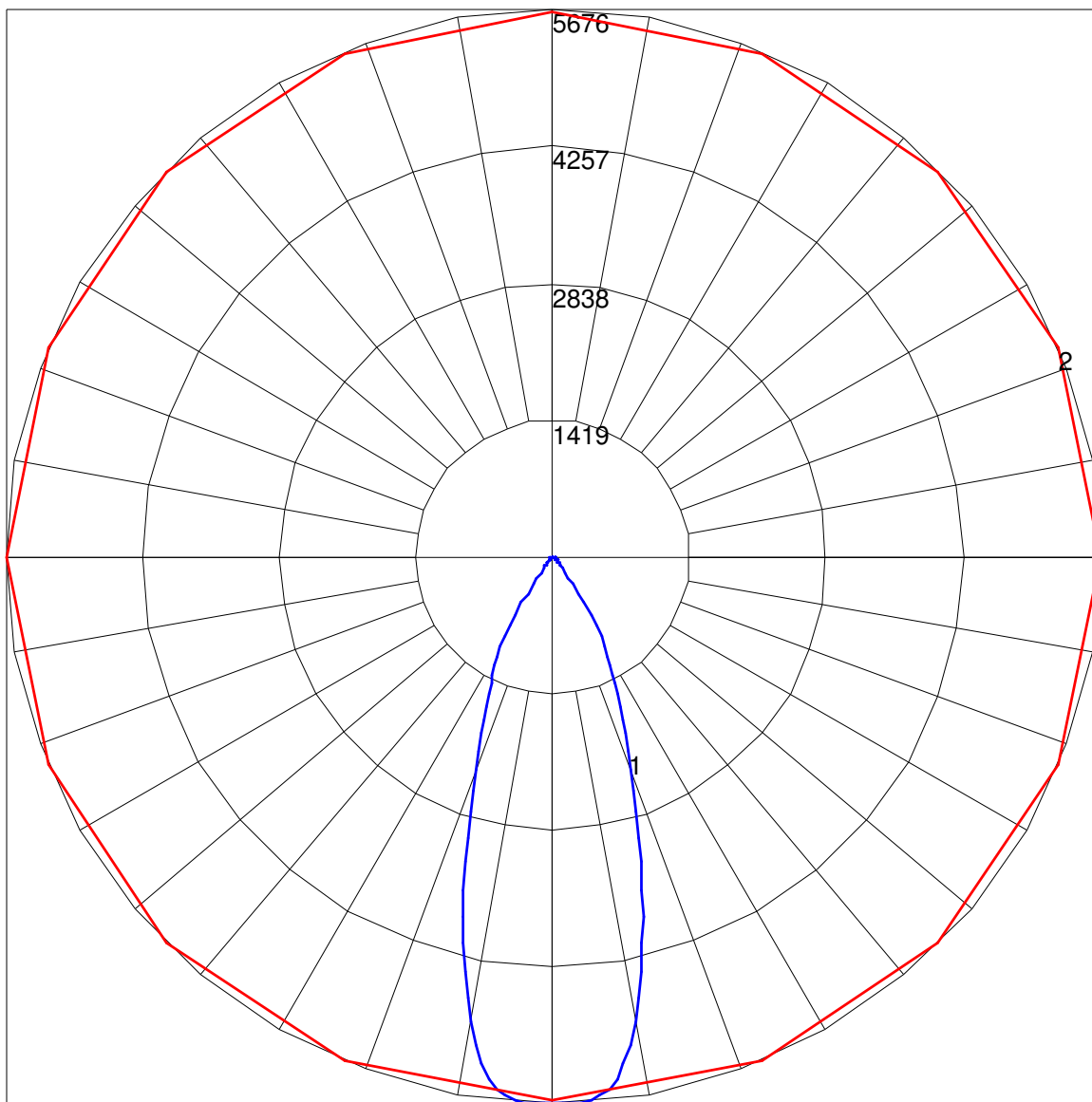
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

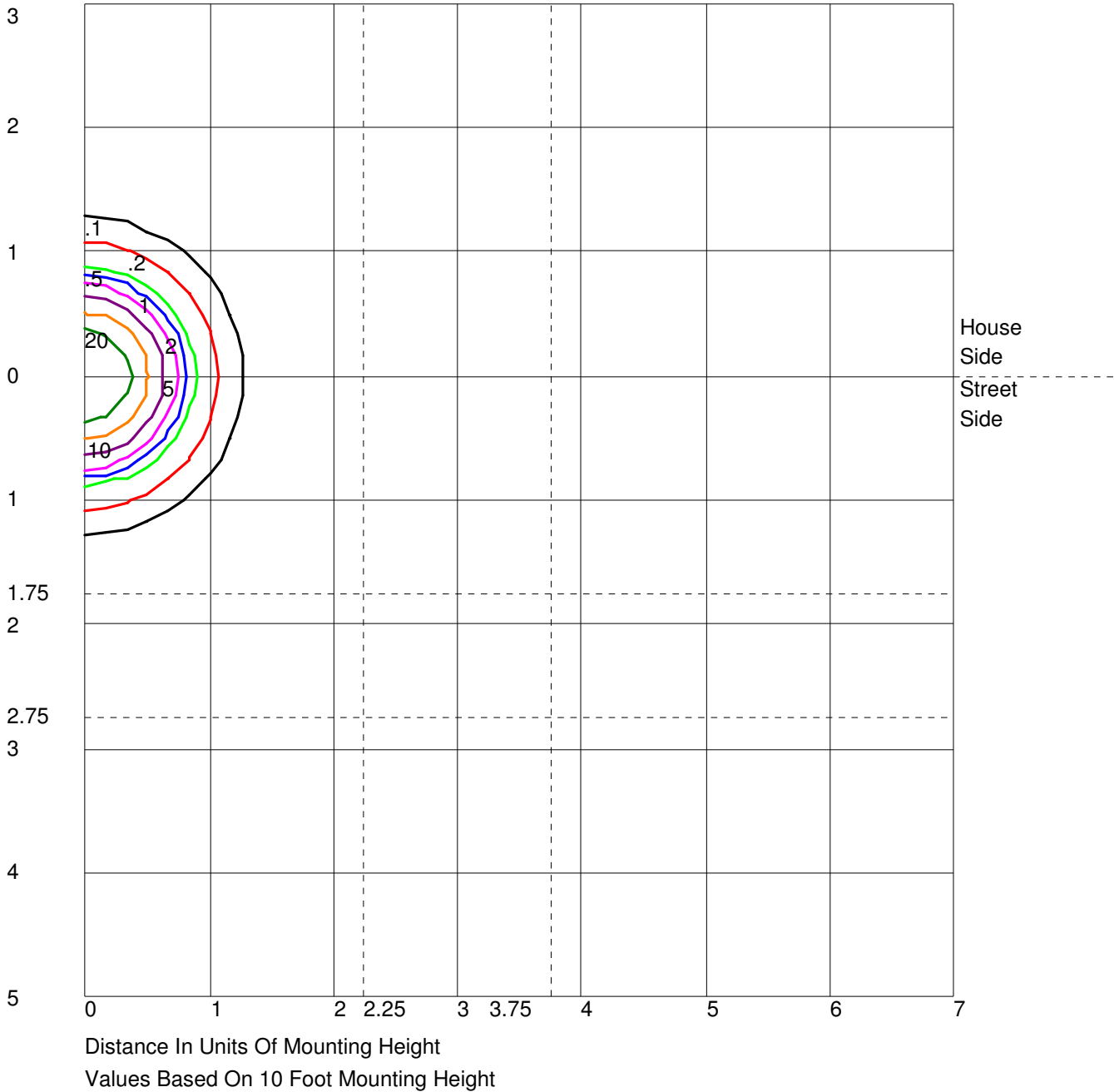
	Lumens	Percent Of Luminaire
Downward Street Side	1332.8	50.0
Downward House Side	1332.8	50.0
Downward Total	2665.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2665.8	100.0

POLAR GRAPH



Maximum Candela = 5675.629 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

