

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-827-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-L20-827-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	1938
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4127.196
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	4127.196
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.148 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.22 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-827-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	811.8	N.A.	41.9
FM - Front-Medium (30-60)	146.6	N.A.	7.6
FH - Front-High (60-80)	10.2	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	811.8	N.A.	41.9
BM - Back-Medium (30-60)	146.6	N.A.	7.6
BH - Back-High (60-80)	10.2	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	1938.3	N.A.	100.0
BUG Rating	B2-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	4117.839	4117.839	4117.839	4117.839	4117.839
1	4123.133	4123.030	4121.168	4119.842	4118.174
2	4127.196	4124.627	4119.546	4114.690	4109.750
3	4124.942	4121.819	4112.700	4103.619	4095.698
4	4117.742	4111.090	4097.302	4083.765	4075.567
5	4091.879	4083.791	4065.591	4047.173	4038.099
6	4046.735	4036.006	4011.122	3988.459	3976.906
7	3971.374	3958.236	3930.358	3907.586	3890.662
8	3866.041	3853.046	3825.057	3804.108	3782.534
9	3730.222	3720.356	3696.386	3677.343	3655.157
10	3568.391	3565.776	3545.754	3530.930	3514.192
11	3388.123	3390.151	3378.005	3367.463	3352.870
12	3198.761	3199.933	3195.605	3192.282	3178.314
13	3003.725	3005.104	3008.394	3008.910	2995.708
14	2803.506	2804.794	2815.619	2819.722	2808.445
15	2603.035	2605.643	2619.927	2627.855	2618.652
16	2406.203	2409.970	2424.724	2435.659	2428.756
17	2215.135	2223.487	2233.785	2248.236	2242.150
18	2034.171	2043.103	2052.969	2065.649	2061.940
19	1865.243	1871.451	1883.648	1894.918	1889.586
20	1713.587	1713.736	1725.823	1737.634	1733.867
21	1568.745	1569.080	1579.887	1591.833	1586.526
22	1441.671	1439.250	1450.668	1460.598	1457.829
23	1331.586	1327.735	1338.515	1345.966	1345.941
24	1234.612	1231.296	1239.893	1245.734	1246.198
25	1148.568	1146.829	1151.949	1157.674	1157.339
26	1073.335	1070.805	1072.859	1078.475	1076.105
27	1002.875	999.102	1000.345	1004.035	1003.178
28	933.600	928.899	927.437	931.675	937.265
29	861.105	858.014	855.007	857.293	860.017
30	787.226	781.372	775.582	780.219	781.732
31	701.670	697.729	692.313	695.069	697.214
32	610.763	608.786	603.331	608.451	608.921
33	516.205	515.503	511.961	517.377	518.600
34	422.651	423.160	421.775	427.371	428.138
35	336.329	336.735	337.301	344.134	344.199
36	261.155	262.932	264.529	272.380	271.375
37	198.700	201.108	205.378	209.802	209.925
38	154.805	151.984	157.033	163.357	162.069
39	116.673	118.786	125.155	126.115	130.268
40	95.312	95.866	98.802	101.501	103.034
41	79.605	81.131	83.160	83.791	84.448
42	69.713	70.080	71.568	72.804	72.263
43	62.462	62.777	63.724	63.878	63.704
44	56.814	57.200	57.728	57.606	57.284
45	52.112	52.544	52.860	52.570	52.267
46	47.972	48.358	48.622	48.261	47.959
47	44.127	44.520	44.745	44.397	44.017
48	40.662	41.029	41.235	40.894	40.501
49	37.558	37.861	38.041	37.713	37.300
50	34.724	34.956	35.137	34.821	34.428
51	32.181	32.393	32.528	32.239	31.872
52	29.907	30.075	30.171	29.933	29.560

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53	27.892	28.001	28.091	27.885	27.518
54	26.082	26.166	26.230	26.024	25.702
55	24.414	24.459	24.530	24.324	24.053
56	22.804	22.868	22.901	22.740	22.521
57	21.355	21.400	21.419	21.278	21.104
58	20.073	20.106	20.119	19.983	19.822
59	18.921	18.934	18.927	18.805	18.670
60	17.871	17.865	17.858	17.742	17.626
61	16.911	16.886	16.873	16.763	16.654
62	16.023	15.997	15.965	15.862	15.752
63	15.205	15.160	15.128	15.018	14.909
64	14.400	14.361	14.323	14.213	14.110
65	13.640	13.608	13.556	13.453	13.350
66	12.893	12.861	12.796	12.700	12.597
67	12.172	12.139	12.075	11.972	11.882
68	11.463	11.431	11.367	11.257	11.173
69	10.755	10.729	10.665	10.562	10.465
70	10.066	10.027	9.969	9.873	9.769
71	9.377	9.325	9.274	9.183	9.087
72	8.681	8.630	8.585	8.494	8.417
73	7.986	7.941	7.895	7.818	7.728
74	7.290	7.258	7.206	7.142	7.078
75	6.614	6.588	6.537	6.479	6.421
76	5.931	5.918	5.867	5.822	5.777
77	5.268	5.255	5.216	5.184	5.146
78	4.592	4.585	4.566	4.527	4.521
79	3.916	3.909	3.896	3.883	3.877
80	3.207	3.220	3.207	3.220	3.194
81	2.428	2.454	2.434	2.434	2.409
82	1.372	1.404	1.423	1.436	1.449
83	0.618	0.631	0.715	0.766	0.824
84	0.567	0.573	0.573	0.567	0.567
85	0.522	0.522	0.522	0.522	0.522
86	0.464	0.464	0.470	0.464	0.464
87	0.393	0.393	0.393	0.399	0.393
88	0.303	0.309	0.309	0.309	0.303
89	0.206	0.213	0.213	0.213	0.213
90	0.122	0.129	0.142	0.148	0.148
91	0.122	0.129	0.129	0.129	0.122
92	0.122	0.122	0.129	0.129	0.129
93	0.122	0.129	0.129	0.129	0.129
94	0.122	0.129	0.129	0.129	0.129
95	0.129	0.129	0.129	0.135	0.129
96	0.129	0.129	0.135	0.135	0.129
97	0.129	0.135	0.135	0.135	0.129
98	0.129	0.142	0.142	0.135	0.135
99	0.135	0.142	0.142	0.142	0.135
100	0.135	0.142	0.142	0.142	0.135
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

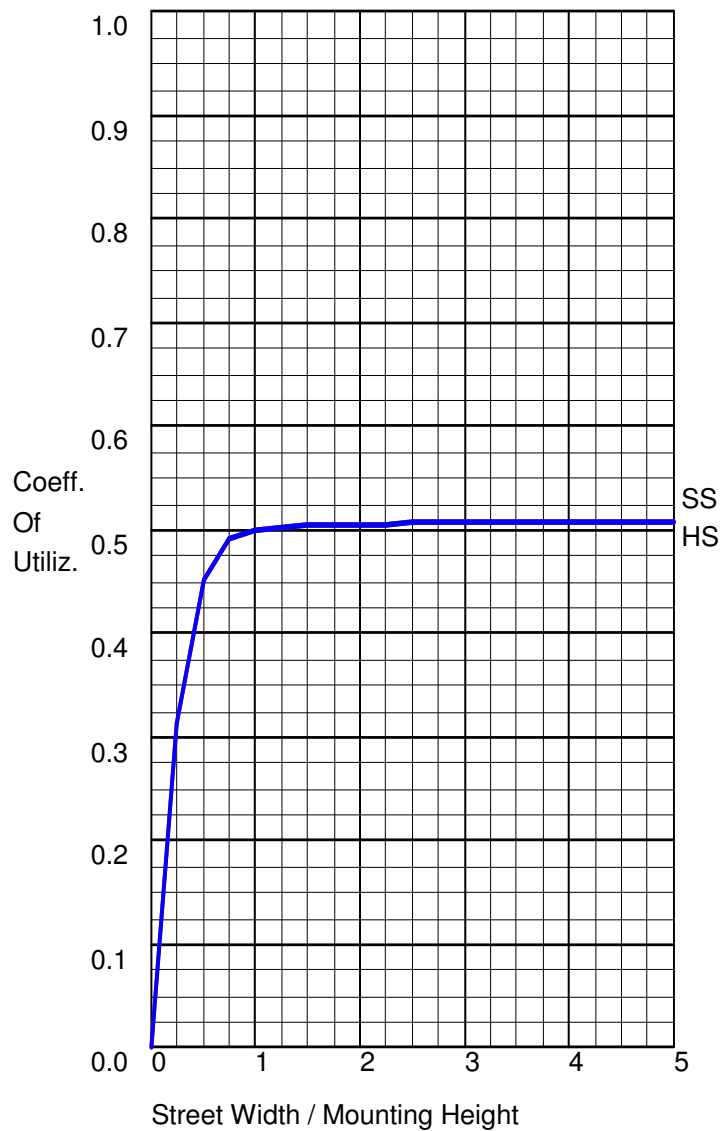
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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

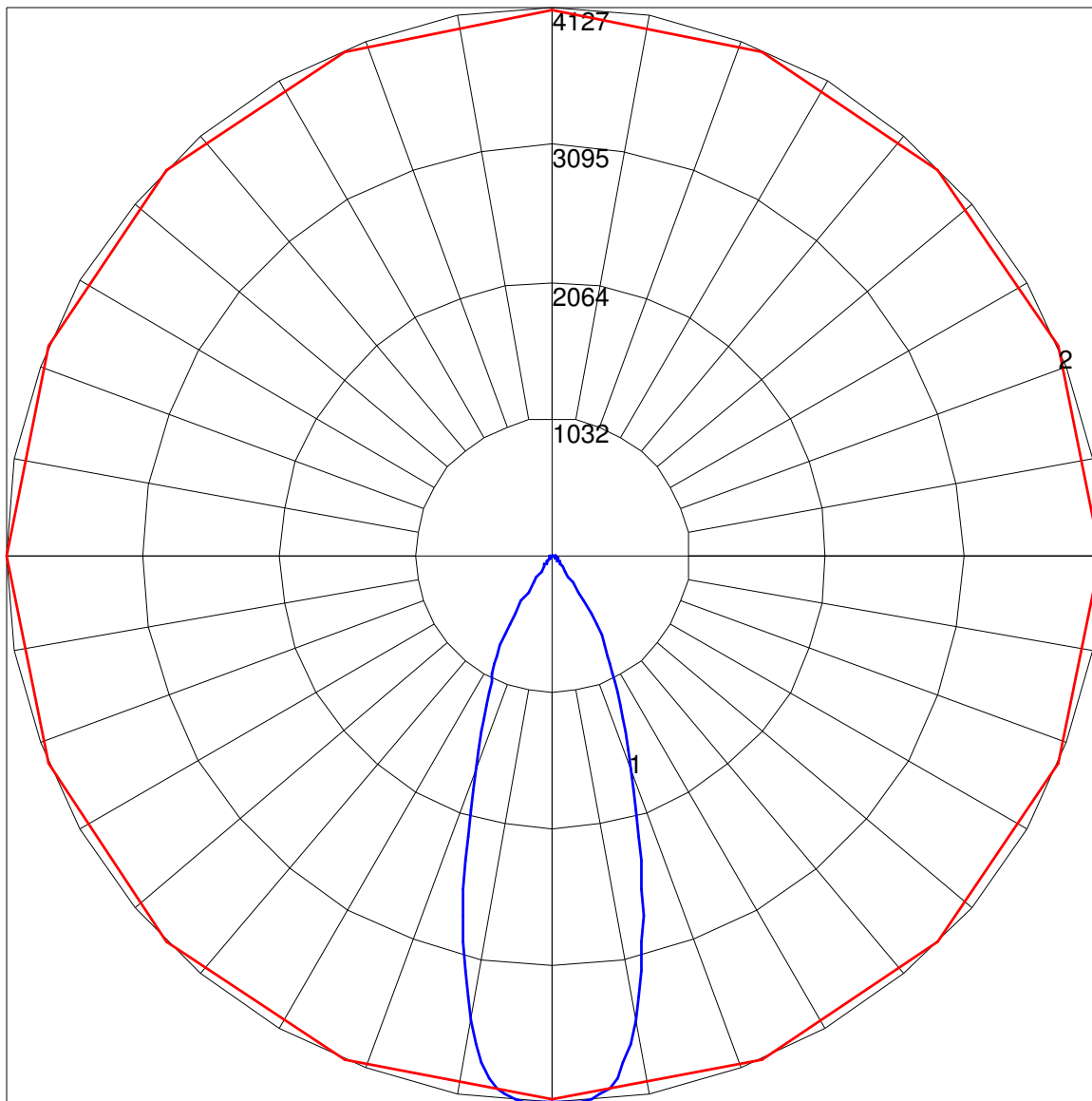
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

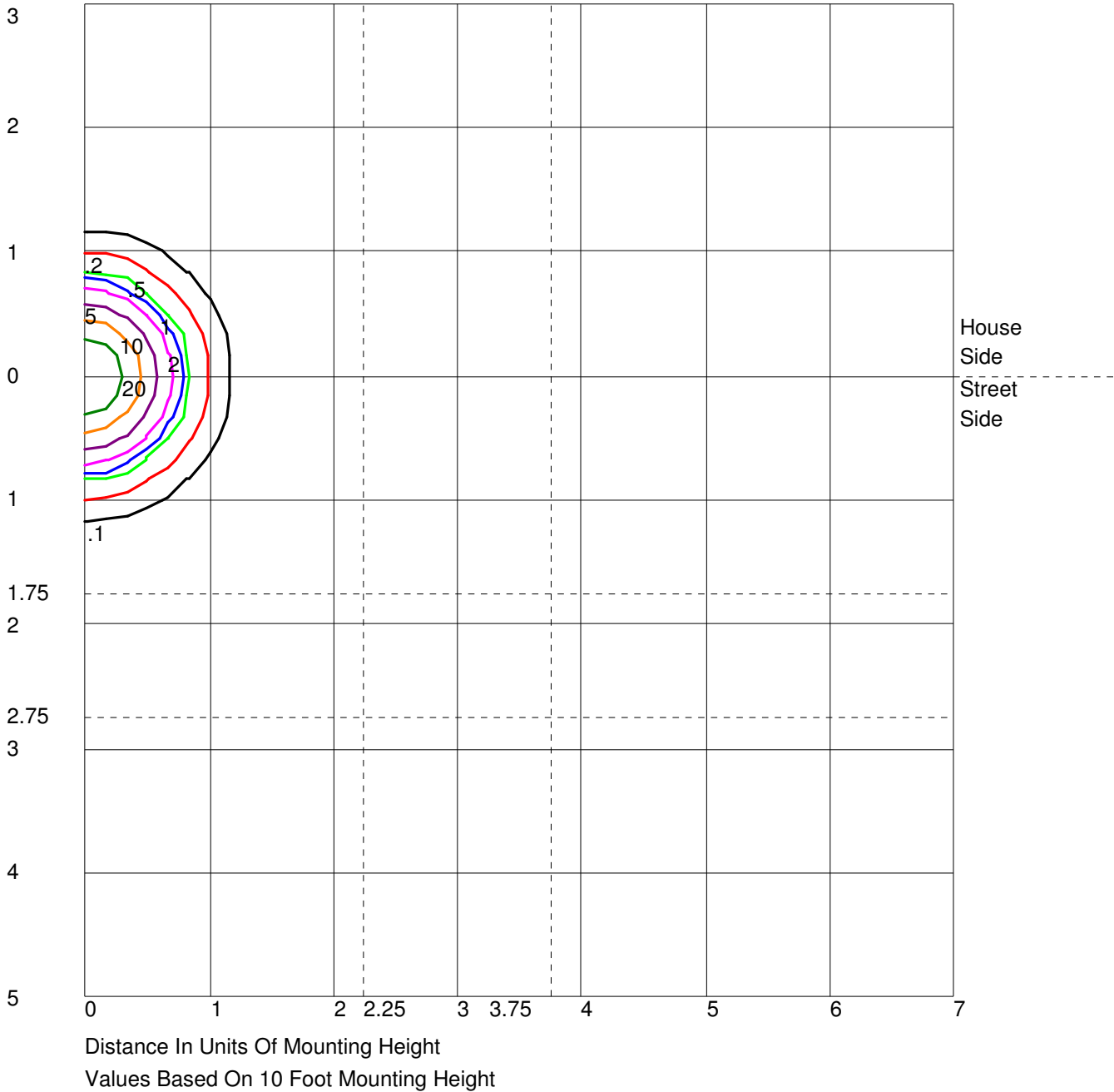
	Lumens	Percent Of Luminaire
Downward Street Side	969.2	50.0
Downward House Side	969.2	50.0
Downward Total	1938.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1938.6	100.0

POLAR GRAPH



Maximum Candela = 4127.196 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

