

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-930-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-L30-930-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	2927
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	29045.515
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	29045.515
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.207 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.747 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1293.7	N.A.	44.2
FM - Front-Medium (30-60)	154.7	N.A.	5.3
FH - Front-High (60-80)	14.2	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1293.7	N.A.	44.2
BM - Back-Medium (30-60)	154.7	N.A.	5.3
BH - Back-High (60-80)	14.2	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	2926.8	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	29045.515	29045.515	29045.515	29045.515	29045.515
1	28545.907	28557.233	28558.408	28561.792	28564.781
2	27339.109	27277.391	27374.602	27313.194	27367.787
3	25368.950	25348.938	25367.154	25509.239	25471.199
4	22584.239	22839.429	22891.973	22888.241	22941.518
5	19661.823	19696.245	19769.862	19992.539	20006.629
6	16335.281	16394.367	16683.875	16826.608	16994.109
7	13235.118	13166.088	13440.462	13762.719	13789.696
8	10181.024	10323.663	10618.416	10839.354	10938.003
9	7761.835	7897.810	8126.475	8375.414	8494.893
10	5892.261	5945.303	6217.309	6431.893	6538.786
11	4481.859	4539.516	4755.171	4967.095	5018.483
12	3474.897	3552.519	3717.538	3831.922	3892.822
13	2843.177	2833.335	2933.751	3043.266	3096.731
14	2286.682	2307.643	2403.999	2511.587	2528.384
15	1940.889	1952.714	2049.934	2090.286	2165.211
16	1697.730	1705.071	1760.651	1810.930	1835.895
17	1525.257	1529.994	1572.067	1612.457	1633.286
18	1403.081	1406.662	1439.006	1472.196	1487.856
19	1319.753	1323.043	1348.976	1372.654	1390.494
20	1268.271	1265.517	1284.570	1303.069	1316.172
21	1227.007	1227.186	1239.020	1252.705	1264.502
22	1200.528	1197.915	1207.832	1215.699	1227.984
23	1178.702	1173.739	1181.494	1188.036	1199.466
24	1156.679	1151.678	1156.341	1160.580	1172.395
25	1132.635	1128.894	1129.749	1133.772	1144.093
26	1104.859	1100.704	1099.849	1103.524	1112.153
27	1072.374	1066.057	1063.820	1066.067	1076.171
28	1029.324	1022.142	1017.104	1019.163	1030.076
29	973.199	966.957	956.439	959.813	969.711
30	900.577	894.984	881.994	885.613	894.026
31	809.749	805.171	792.632	796.655	804.927
32	703.984	701.738	691.182	697.498	704.586
33	589.102	588.782	581.667	589.713	596.857
34	472.443	474.154	471.362	480.424	486.148
35	363.474	367.187	366.641	379.782	380.910
36	268.585	270.775	277.411	285.758	289.687
37	194.497	190.793	203.398	211.708	220.966
38	134.086	132.835	141.436	149.990	152.546
39	90.086	96.478	102.606	107.033	109.045
40	65.713	68.880	73.571	79.953	79.596
41	52.299	53.794	57.018	59.528	60.834
42	45.071	45.475	47.543	48.897	49.621
43	41.170	41.227	42.364	42.928	43.342
44	38.990	39.074	39.516	39.629	39.873
45	37.721	37.815	37.880	37.815	37.993
46	36.875	36.931	36.809	36.677	36.828
47	36.207	36.198	35.982	35.841	35.897
48	35.681	35.596	35.296	35.183	35.164
49	35.258	35.098	34.741	34.572	34.515
50	34.929	34.685	34.262	34.055	33.942
51	34.675	34.374	33.839	33.613	33.463
52	34.515	34.121	33.510	33.237	33.049

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

53	34.393	33.923	33.228	32.899	32.739
54	34.243	33.716	32.908	32.523	32.335
55	33.735	33.181	32.353	31.912	31.808
56	32.852	32.316	31.442	31.009	31.056
57	31.714	31.273	30.342	29.957	30.135
58	30.436	30.069	29.129	28.800	29.064
59	28.951	28.659	27.766	27.494	27.851
60	27.343	27.080	26.310	26.103	26.479
61	25.661	25.407	24.787	24.636	24.975
62	23.950	23.715	23.245	23.142	23.424
63	22.268	22.061	21.732	21.638	21.845
64	20.623	20.416	20.256	20.172	20.331
65	19.119	18.912	18.865	18.780	18.921
66	17.681	17.511	17.511	17.455	17.568
67	16.365	16.252	16.280	16.233	16.327
68	15.199	15.115	15.162	15.105	15.190
69	14.128	14.071	14.109	14.071	14.128
70	13.141	13.122	13.141	13.103	13.141
71	12.229	12.229	12.238	12.191	12.210
72	11.402	11.374	11.383	11.336	11.336
73	10.593	10.556	10.546	10.499	10.499
74	9.804	9.747	9.747	9.691	9.700
75	9.005	8.948	8.939	8.873	8.901
76	8.187	8.140	8.140	8.074	8.112
77	7.369	7.341	7.332	7.285	7.322
78	6.542	6.495	6.495	6.458	6.505
79	5.659	5.621	5.640	5.612	5.677
80	4.700	4.690	4.700	4.719	4.747
81	3.609	3.628	3.619	3.628	3.628
82	2.059	2.115	2.171	2.153	2.200
83	0.978	0.987	1.100	1.147	1.213
84	0.893	0.893	0.893	0.884	0.884
85	0.827	0.818	0.818	0.808	0.818
86	0.743	0.733	0.733	0.733	0.733
87	0.630	0.630	0.630	0.620	0.620
88	0.498	0.498	0.498	0.489	0.479
89	0.338	0.338	0.329	0.329	0.320
90	0.188	0.197	0.207	0.207	0.207
91	0.188	0.188	0.179	0.169	0.169
92	0.188	0.188	0.179	0.179	0.169
93	0.197	0.197	0.179	0.179	0.169
94	0.207	0.197	0.188	0.179	0.179
95	0.207	0.197	0.188	0.188	0.179
96	0.216	0.197	0.197	0.188	0.188
97	0.216	0.197	0.207	0.197	0.197
98	0.216	0.207	0.207	0.197	0.197
99	0.216	0.207	0.207	0.197	0.207
100	0.216	0.216	0.216	0.207	0.207
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

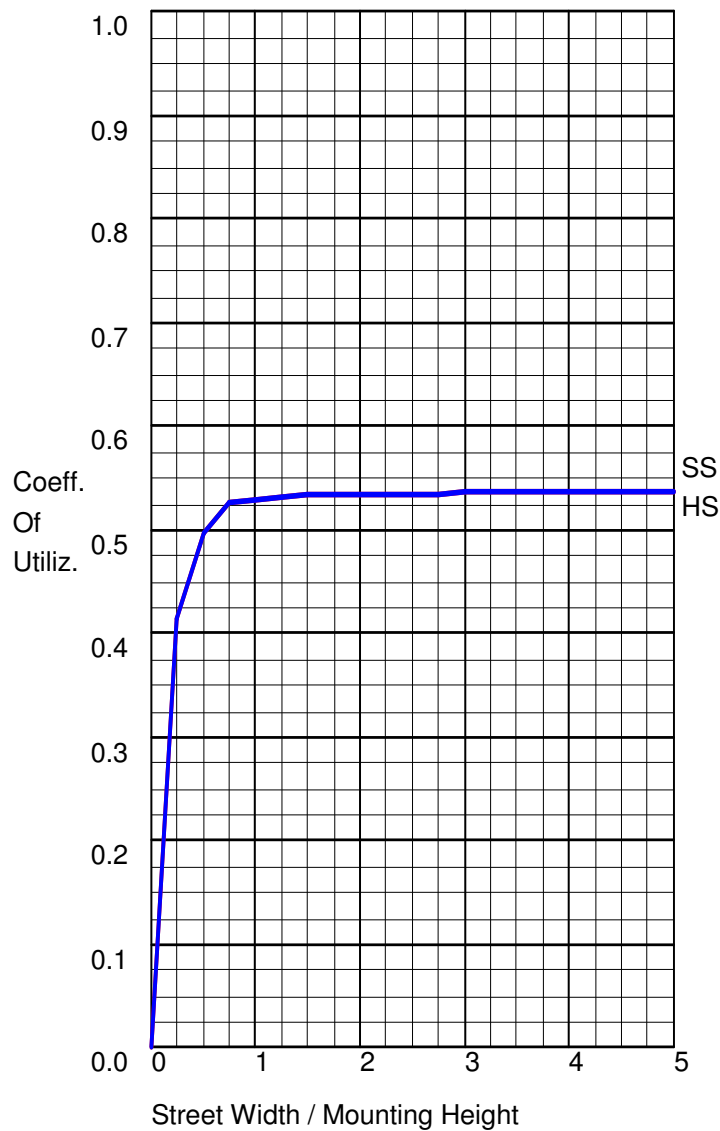
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-930-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

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

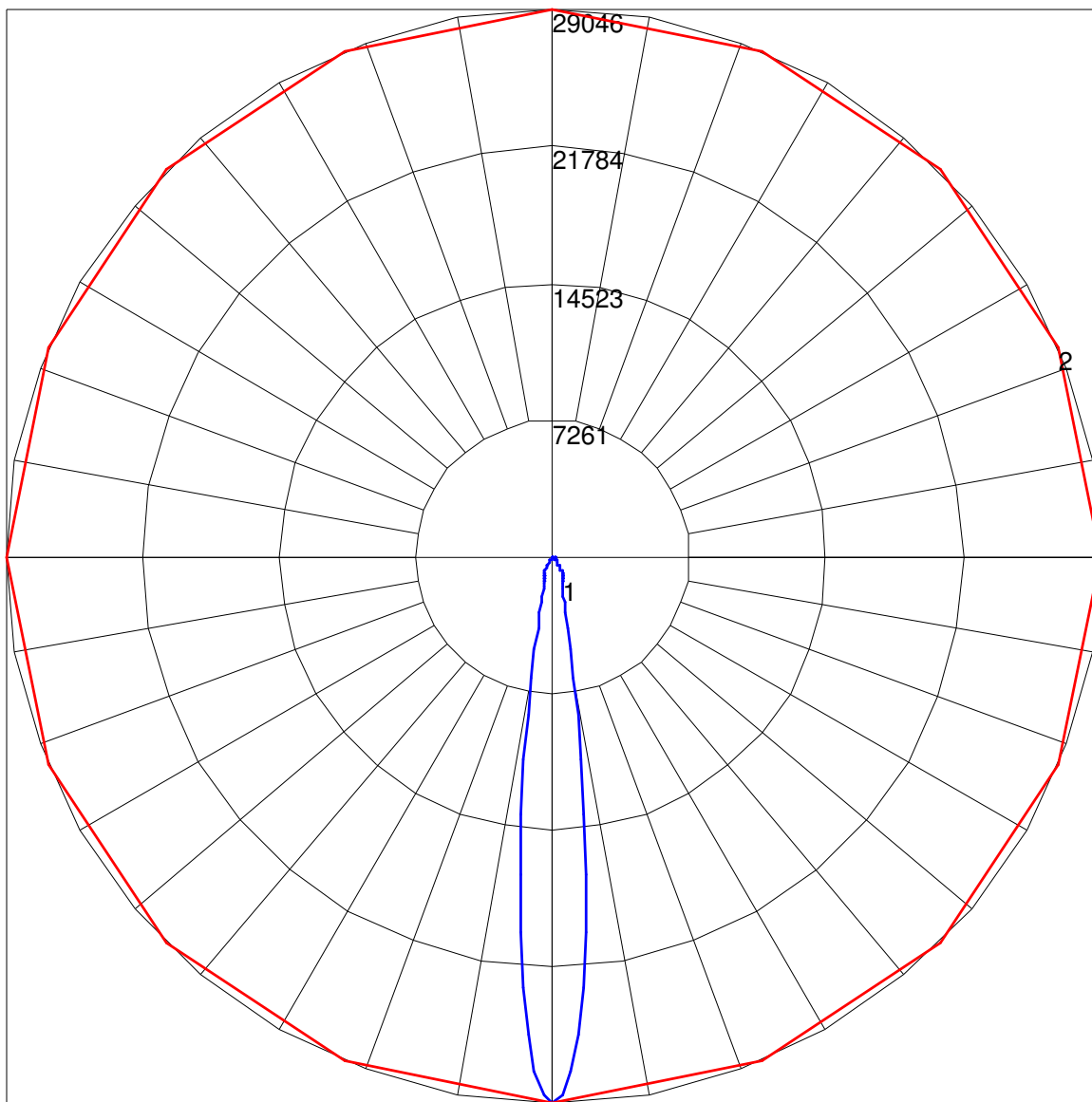
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

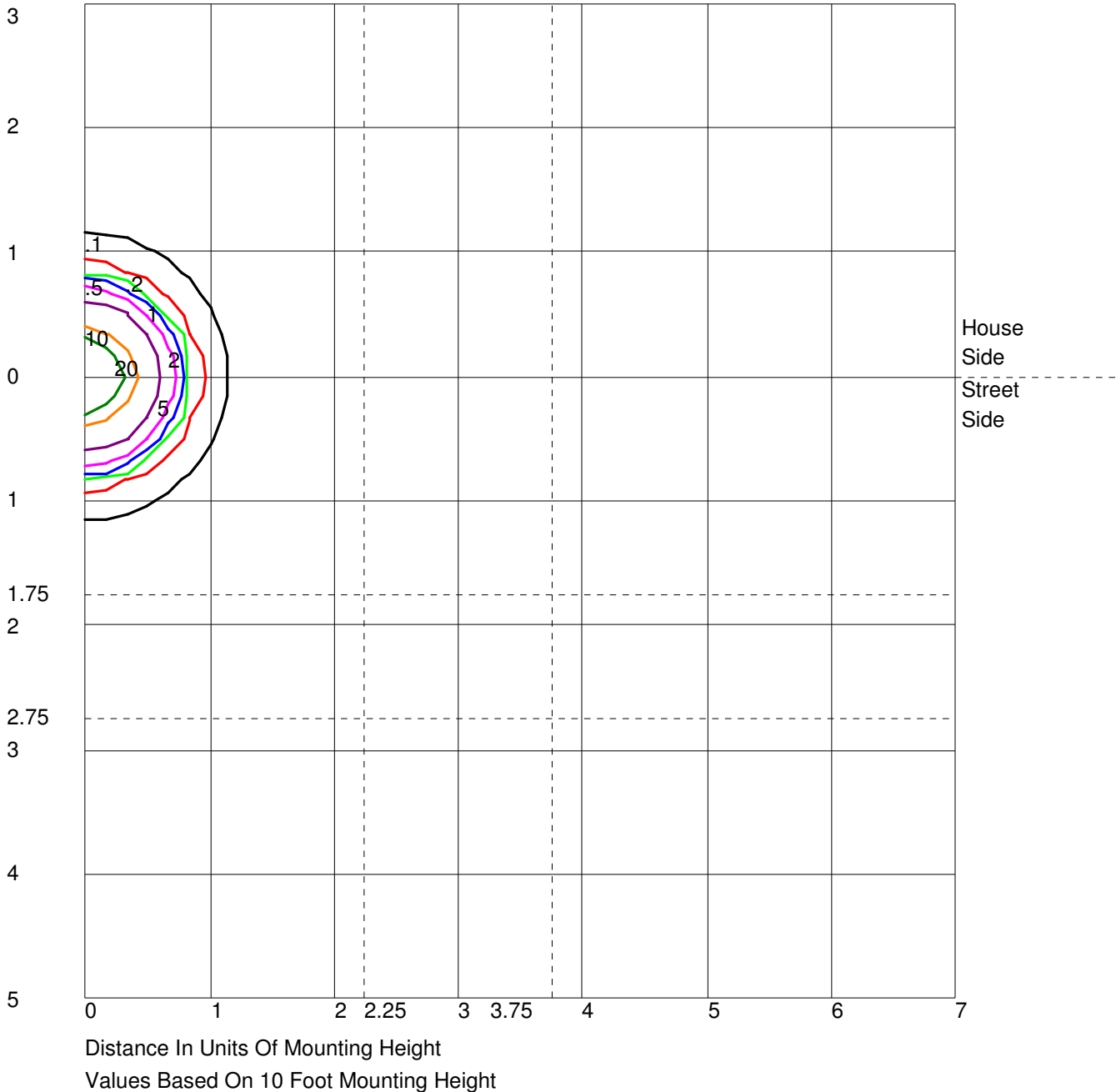
	Lumens	Percent Of Luminaire
Downward Street Side	1463.3	50.0
Downward House Side	1463.3	50.0
Downward Total	2926.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2926.8	100.0

POLAR GRAPH



Maximum Candela = 29045.515 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

