

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-935-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-L40-935-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	3888
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	38578.908
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	38578.908
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.275 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.305 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-S-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1718.3	N.A.	44.2
FM - Front-Medium (30-60)	205.5	N.A.	5.3
FH - Front-High (60-80)	18.9	N.A.	0.5
FVH - Front-Very High (80-90)	1.0	N.A.	0.0
BL - Back-Low (0-30)	1718.3	N.A.	44.2
BM - Back-Medium (30-60)	205.5	N.A.	5.3
BH - Back-High (60-80)	18.9	N.A.	0.5
BVH - Back-Very High (80-90)	1.0	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	3887.7	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	38578.908	38578.908	38578.908	38578.908	38578.908
1	37915.317	37930.361	37931.922	37936.416	37940.387
2	36312.421	36230.446	36359.564	36278.001	36350.512
3	33695.611	33669.031	33693.227	33881.947	33831.421
4	29996.895	30335.844	30405.634	30400.678	30471.442
5	26115.277	26160.996	26258.777	26554.541	26573.256
6	21696.888	21775.367	22159.899	22349.480	22571.959
7	17579.183	17487.495	17851.925	18279.954	18315.785
8	13522.665	13712.122	14103.620	14397.074	14528.102
9	10309.445	10490.050	10793.767	11124.414	11283.108
10	7826.235	7896.686	8257.971	8542.986	8684.963
11	5952.906	6029.487	6315.926	6597.407	6665.662
12	4615.436	4718.535	4937.718	5089.646	5170.534
13	3776.371	3763.300	3896.675	4042.135	4113.148
14	3037.223	3065.064	3193.045	3335.946	3358.256
15	2577.932	2593.638	2722.768	2776.365	2875.882
16	2254.964	2264.714	2338.537	2405.318	2438.477
17	2025.880	2032.173	2088.055	2141.702	2169.368
18	1863.603	1868.360	1911.320	1955.404	1976.203
19	1752.926	1757.295	1791.741	1823.190	1846.886
20	1684.546	1680.888	1706.195	1730.765	1748.169
21	1629.738	1629.975	1645.694	1663.872	1679.540
22	1594.569	1591.098	1604.269	1614.719	1631.037
23	1565.579	1558.987	1569.287	1577.976	1593.158
24	1536.327	1529.685	1535.878	1541.508	1557.202
25	1504.391	1499.422	1500.558	1505.902	1519.610
26	1467.499	1461.980	1460.844	1465.726	1477.187
27	1424.351	1415.961	1412.990	1415.974	1429.395
28	1367.171	1357.632	1350.941	1353.675	1368.170
29	1292.624	1284.334	1270.364	1274.846	1287.992
30	1196.167	1188.738	1171.484	1176.291	1187.465
31	1075.526	1069.446	1052.792	1058.135	1069.122
32	935.048	932.064	918.043	926.433	935.847
33	782.459	782.034	772.583	783.270	792.759
34	627.510	629.782	626.074	638.110	645.713
35	482.774	487.705	486.981	504.435	505.933
36	356.740	359.649	368.463	379.550	384.768
37	258.335	253.416	270.158	281.195	293.492
38	178.095	176.435	187.858	199.220	202.616
39	119.654	128.144	136.284	142.164	144.836
40	87.281	91.488	97.718	106.196	105.721
41	69.465	71.450	75.733	79.066	80.801
42	59.865	60.401	63.148	64.946	65.907
43	54.683	54.758	56.269	57.018	57.567
44	51.787	51.899	52.486	52.636	52.960
45	50.101	50.226	50.314	50.226	50.463
46	48.978	49.053	48.890	48.716	48.915
47	48.091	48.079	47.792	47.604	47.679
48	47.392	47.280	46.880	46.731	46.706
49	46.830	46.618	46.144	45.919	45.844
50	46.393	46.069	45.507	45.232	45.083
51	46.056	45.657	44.945	44.646	44.446
52	45.844	45.320	44.508	44.146	43.896

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

53	45.682	45.058	44.134	43.697	43.484
54	45.482	44.783	43.709	43.197	42.948
55	44.808	44.071	42.973	42.386	42.248
56	43.634	42.923	41.762	41.187	41.250
57	42.124	41.537	40.301	39.789	40.026
58	40.426	39.939	38.690	38.253	38.603
59	38.453	38.066	36.880	36.518	36.992
60	36.318	35.969	34.945	34.670	35.170
61	34.083	33.746	32.922	32.723	33.172
62	31.811	31.499	30.875	30.738	31.112
63	29.576	29.302	28.865	28.740	29.015
64	27.392	27.117	26.905	26.792	27.005
65	25.394	25.119	25.057	24.945	25.132
66	23.484	23.259	23.259	23.184	23.334
67	21.736	21.586	21.624	21.561	21.686
68	20.188	20.076	20.138	20.063	20.175
69	18.765	18.690	18.740	18.690	18.765
70	17.454	17.429	17.454	17.404	17.454
71	16.243	16.243	16.255	16.193	16.218
72	15.144	15.107	15.119	15.057	15.057
73	14.070	14.020	14.008	13.945	13.945
74	13.022	12.947	12.947	12.872	12.884
75	11.960	11.886	11.873	11.786	11.823
76	10.874	10.812	10.812	10.724	10.774
77	9.788	9.751	9.738	9.676	9.726
78	8.689	8.627	8.627	8.577	8.639
79	7.516	7.466	7.491	7.453	7.541
80	6.242	6.230	6.242	6.267	6.305
81	4.794	4.819	4.807	4.819	4.819
82	2.734	2.809	2.884	2.859	2.921
83	1.298	1.311	1.461	1.523	1.611
84	1.186	1.186	1.186	1.174	1.174
85	1.099	1.086	1.086	1.074	1.086
86	0.986	0.974	0.974	0.974	0.974
87	0.836	0.836	0.836	0.824	0.824
88	0.662	0.662	0.662	0.649	0.637
89	0.449	0.449	0.437	0.437	0.424
90	0.250	0.262	0.275	0.275	0.275
91	0.250	0.250	0.237	0.225	0.225
92	0.250	0.250	0.237	0.237	0.225
93	0.262	0.262	0.237	0.237	0.225
94	0.275	0.262	0.250	0.237	0.237
95	0.275	0.262	0.250	0.250	0.237
96	0.287	0.262	0.262	0.250	0.250
97	0.287	0.262	0.275	0.262	0.262
98	0.287	0.275	0.275	0.262	0.262
99	0.287	0.275	0.275	0.262	0.275
100	0.287	0.287	0.287	0.275	0.275
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

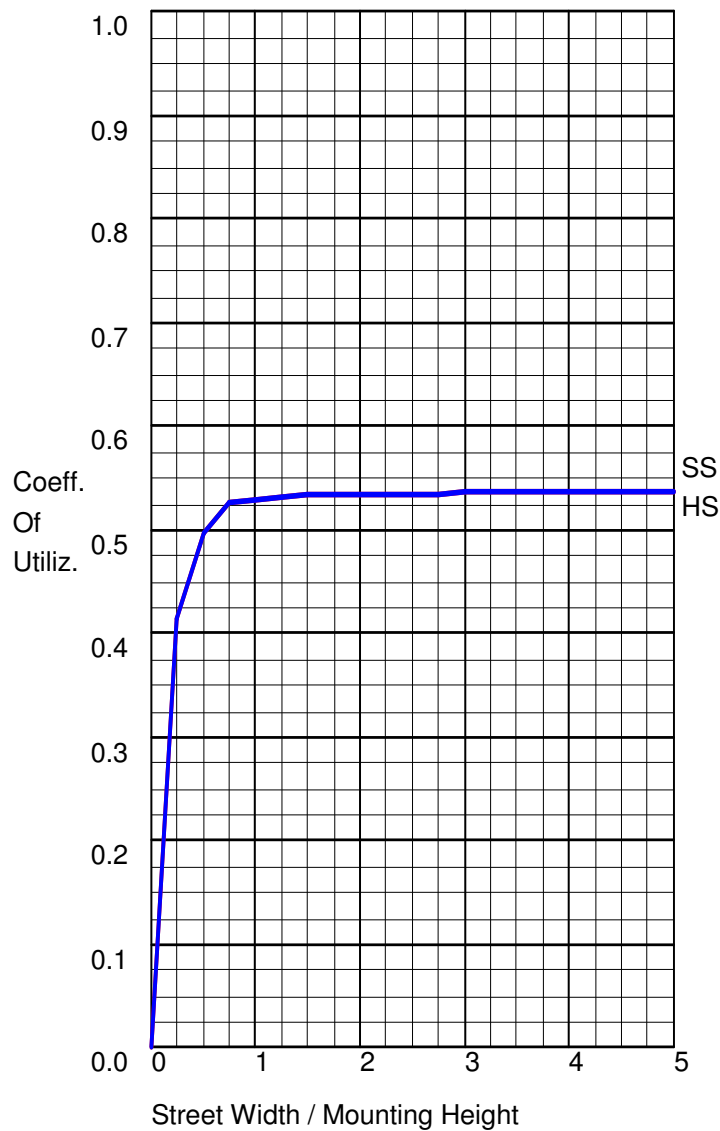
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

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

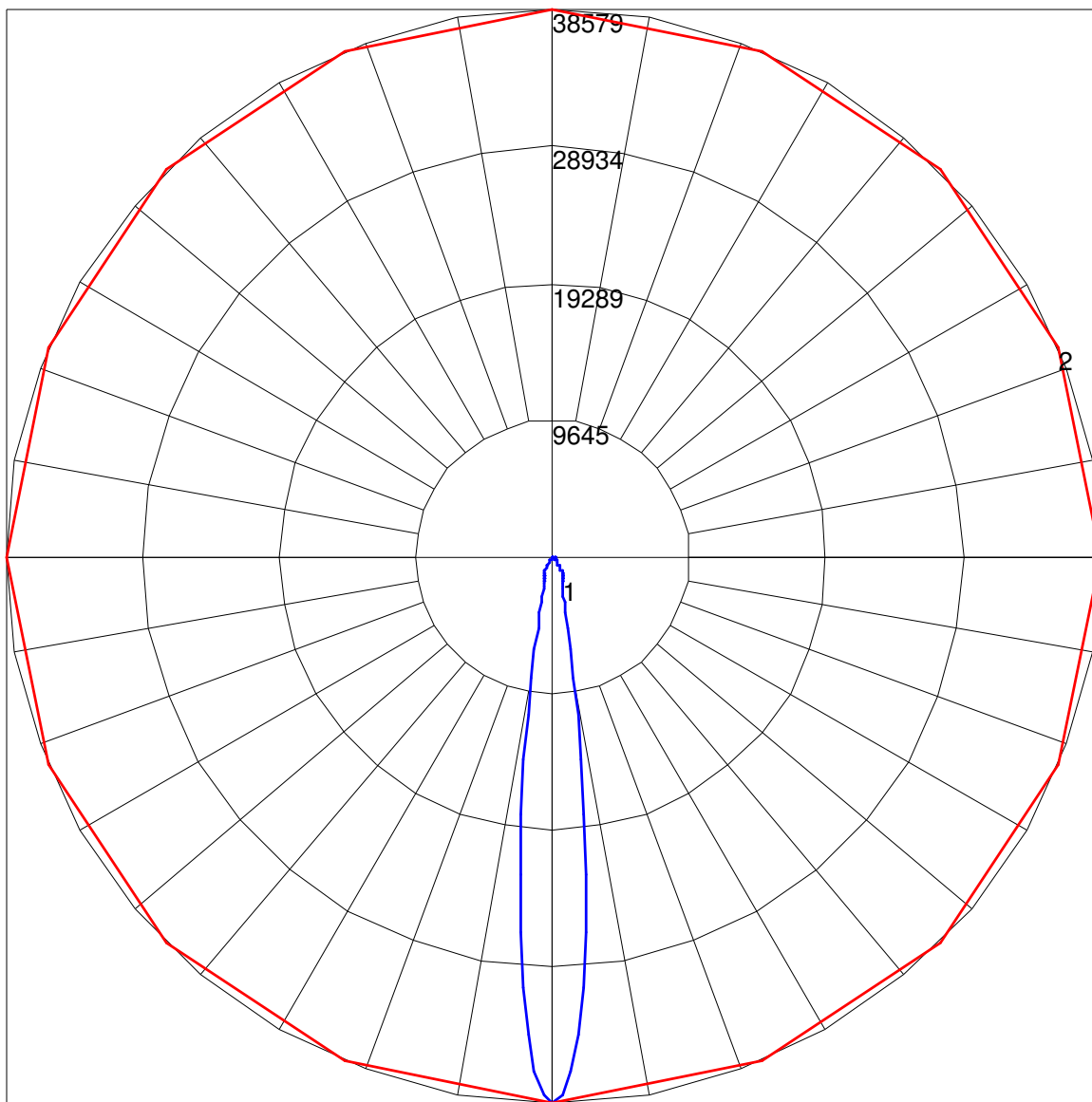
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

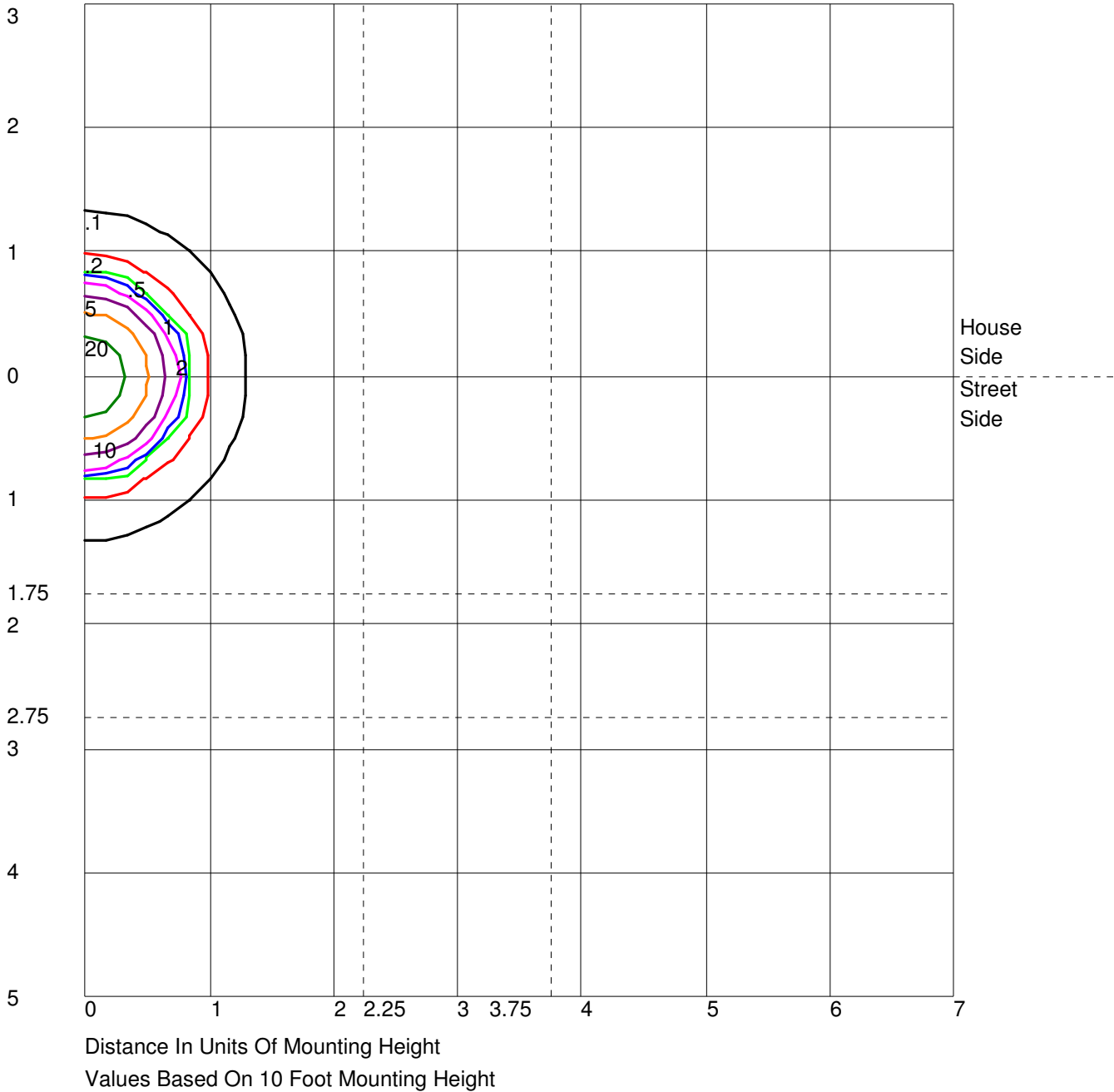
	Lumens	Percent Of Luminaire
Downward Street Side	1943.6	50.0
Downward House Side	1943.6	50.0
Downward Total	3887.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3887.4	100.0

POLAR GRAPH



Maximum Candela = 38578.908 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

