

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: G2-16-1017-1

Luminaire Tested: **UFLD-S-C70-X-U-66**

Test Date: 05/20/16

**Test Information**

Test Method: LM-79-08  
Report Number: G2-16-1017-1  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 05/20/16  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UFLD-S-C70-X-U-66  
Description: LOW WATTAGE LED FLOODLIGHT  
Light Source: (1) CITIZEN 4000 70  
CLU038-1208C4-40AL7K3  
Ballast/Driver: (1) ERP ELECTRONIC DRIVER  
ESS030W-0500-42

**Summary**

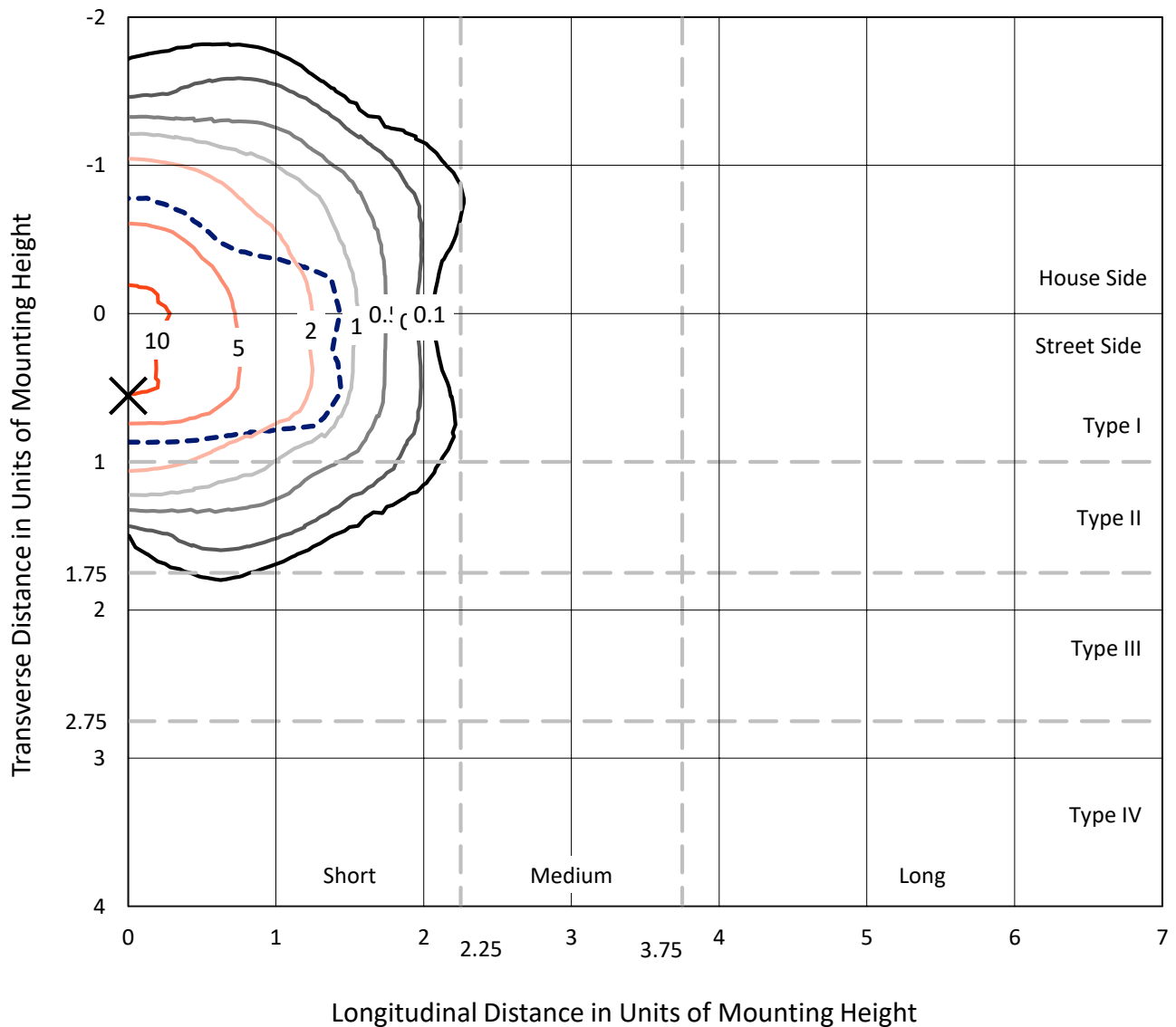
Lumens per Lamp: N/A  
Luminaire Lumens: 2750 lumens  
Efficiency: N/A  
Efficacy: 139.6 lumens/watt  
Luminous Opening: (L: 0 ' x W: 0.46 ' x H: 0.33 '  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120.0  
Input Current (Ain): 0.167  
Voltage Rise (V): NR  
Power Factor: 0.995  
Total Harmonic Distortion (THDi): 15.0%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 24 HR  
Ambient Temperature (°C): 24.2  
Test Distance: 28.75 FT



REPORT NUMBER: G2-16-1017-1  
 CATALOG NUMBER: UFLD-S-C70-X-U-66

### Iso-Footcandle Lines of Horizontal Illumination

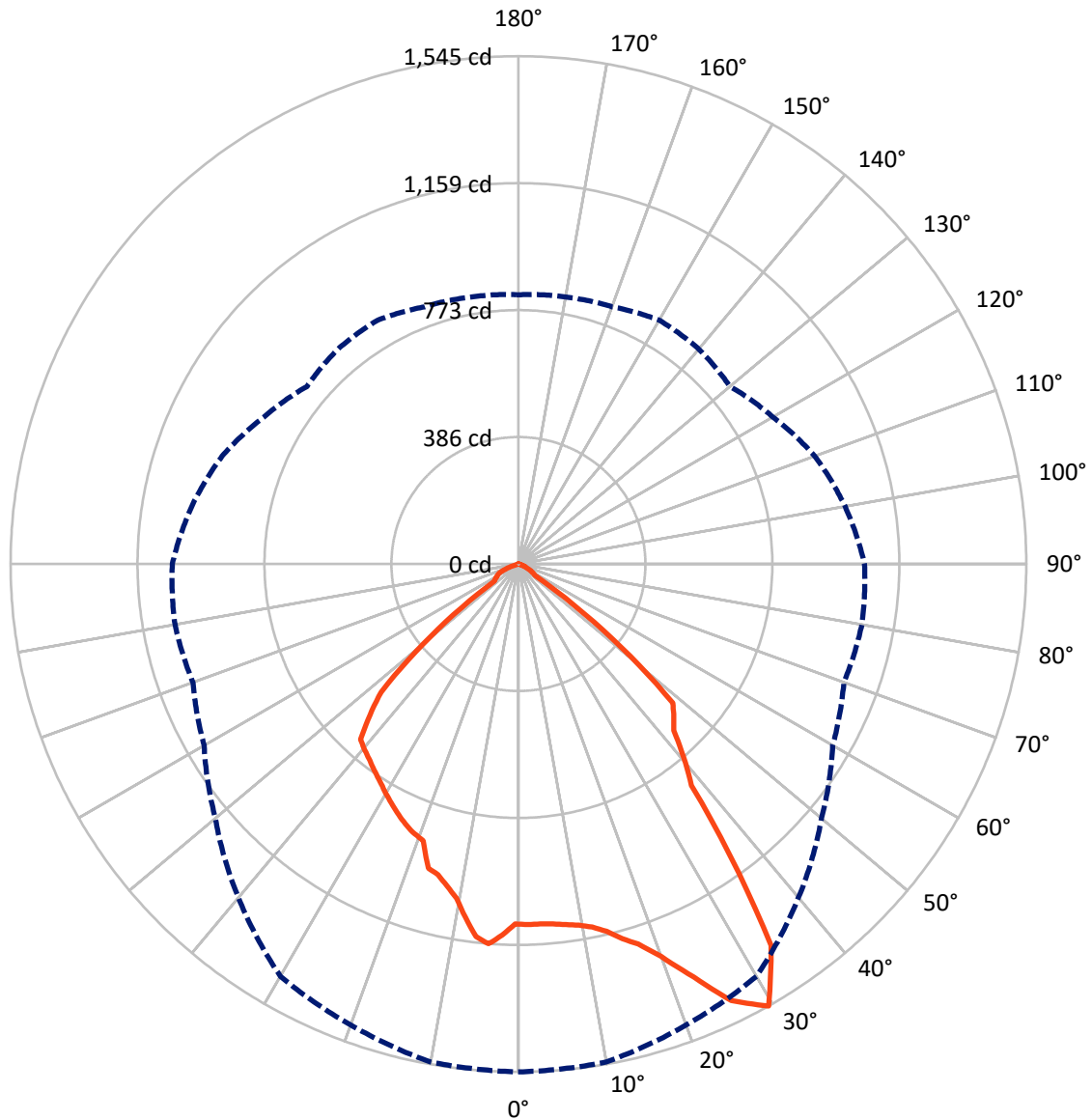
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc  
 Type I - Short - Full Cutoff

REPORT NUMBER: G2-16-1017-1  
CATALOG NUMBER: UFLD-S-C70-X-U-66

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 29-Deg Vertical



REPORT NUMBER: G2-16-1017-1

CATALOG NUMBER: UFLD-S-C70-X-U-66

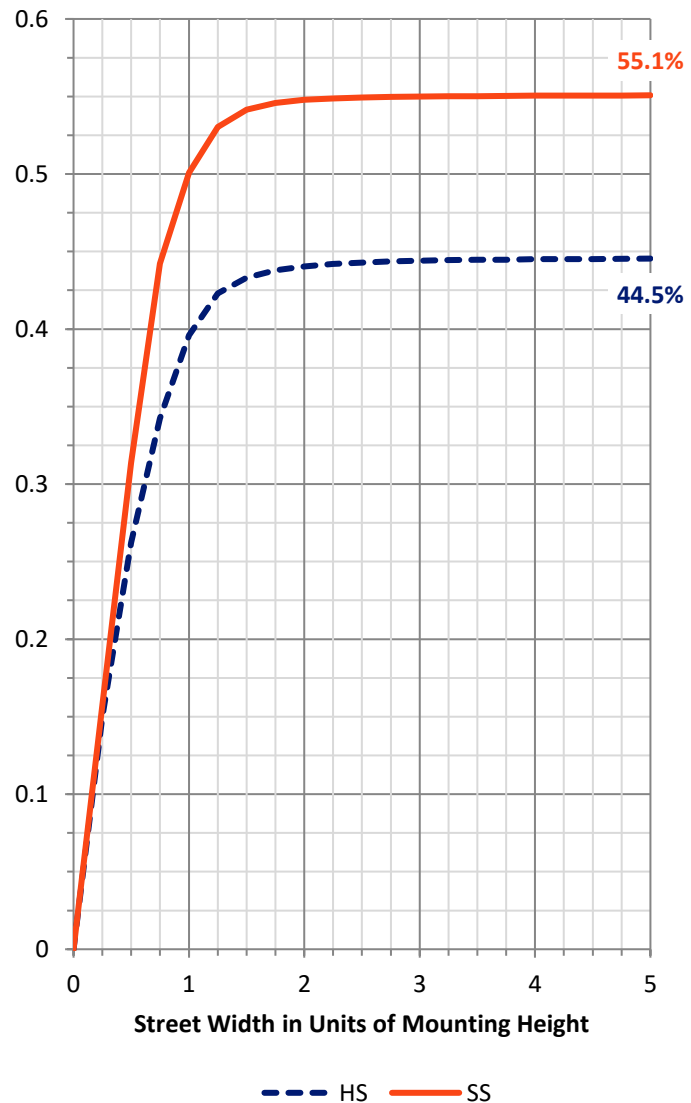
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1236.2	0.0	1236.2
	% Fixture	45.0	0.0	45.0
<b>Street Side</b>	Lumens	1513.9	0.0	1513.9
	% Fixture	55.0	0.0	55.0
<b>Total</b>	Lumens	2750.0	0.0	2750.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.7	3.9
10°-20°	308.0	11.2
20°-30°	500.5	18.2
30°-40°	618.8	22.5
40°-50°	611.1	22.2
50°-60°	428.0	15.6
60°-70°	175.1	6.4
70°-80°	36.4	1.3
80°-90°	5.5	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2750.0	100.0
0°-180°	2750.0	100.0



REPORT NUMBER: G2-16-1017-1

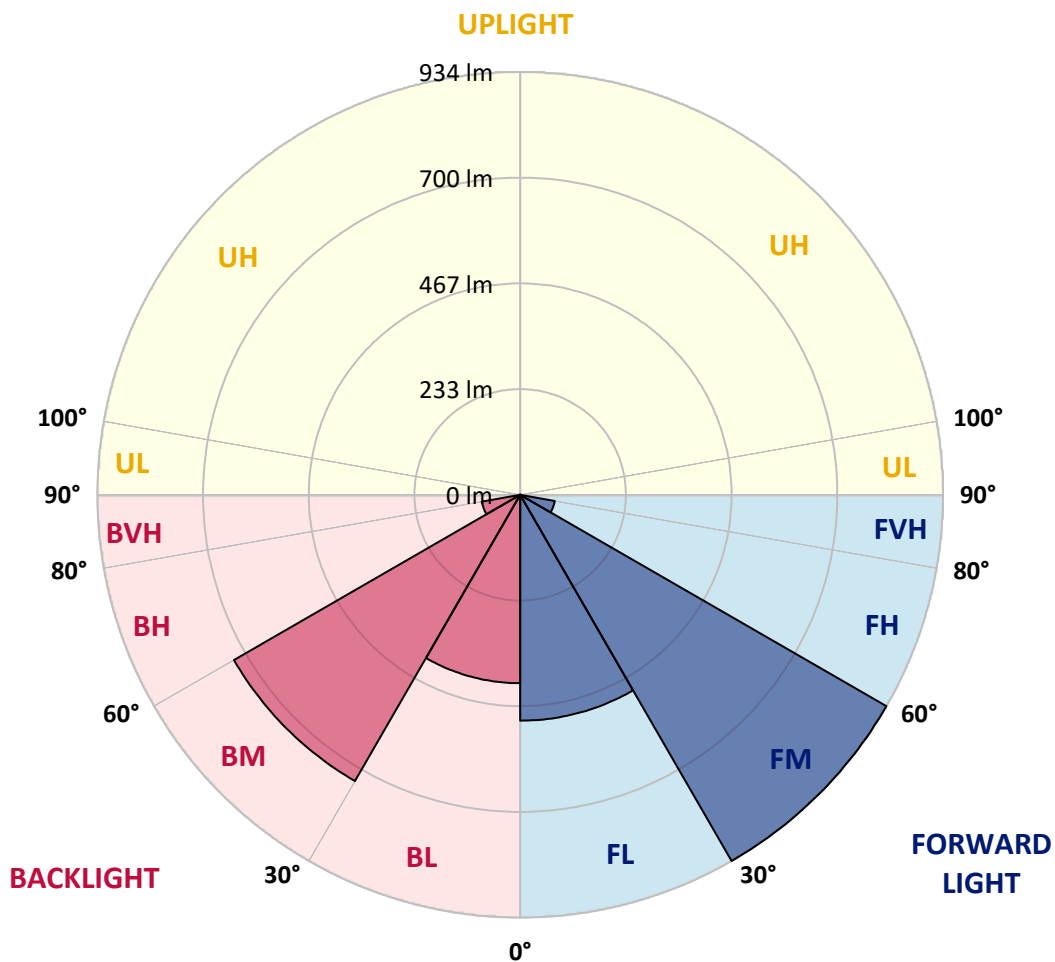
CATALOG NUMBER: UFLD-S-C70-X-U-66

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	498.8	18.1			
FM	(30°-60°)	933.8	34.0			
FH	(60°-80°)	77.5	2.8			G0/660
FVH	(80°-90°)	2.5	0.1			G0/10
BL	(0°-30°)	416.1	15.1	B1/500		
BM	(30°-60°)	729.8	26.5	B1/1000		
BH	(60°-80°)	86.0	3.1	B0/110		G0/110
BVH	(80°-90°)	3.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type I Short





REPORT NUMBER: G2-16-1017-1

CATALOG NUMBER: UFLD-S-C70-X-U-66

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1096	1096	1096	1096	1096	1096	1096	1096	1096	1096	1096
1°	1097	1097	1097	1097	1097	1096	1096	1096	1095	1095	1095
3°	1097	1097	1097	1100	1103	1105	1107	1108	1108	1107	1108
5°	1100	1099	1103	1107	1109	1108	1107	1107	1107	1107	1110
7°	1106	1106	1111	1112	1109	1105	1102	1099	1099	1102	1113
9°	1114	1115	1121	1115	1107	1100	1101	1104	1108	1116	1132
11°	1127	1130	1130	1119	1106	1104	1100	1095	1096	1107	1124
13°	1149	1153	1147	1127	1115	1099	1085	1090	1100	1119	1127
15°	1183	1187	1173	1146	1122	1094	1084	1092	1108	1135	1129
17°	1212	1218	1199	1174	1130	1103	1092	1087	1098	1119	1101
19.5°	1270	1269	1241	1195	1156	1128	1089	1083	1107	1126	1083
22.5°	1365	1357	1315	1242	1190	1145	1099	1080	1101	1092	1052
25.5°	1477	1465	1407	1324	1245	1173	1102	1062	1083	1065	1025
29°	1545	1538	1492	1448	1325	1204	1104	1054	1061	1053	1009
33°	1392	1417	1431	1505	1416	1241	1113	1057	998	963	927
37.5°	855	910	1052	1259	1391	1309	1129	1051	977	916	870
42.5°	693	698	738	783	1022	1237	1180	1060	945	905	842
47.5°	632	630	632	638	670	913	1208	1067	867	848	827
55°	62	129	233	342	483	508	827	869	740	790	740
65°	28	26	52	42	52	119	189	206	135	30	141
75°	3	5	9	8	9	8	12	15	15	26	26
85°	0	4	5	5	6	5	6	7	7	7	7
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G2-16-1017-1

CATALOG NUMBER: UFLD-S-C70-X-U-66

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1096	1096	1096	1096	1096	1096	1096	1096	1096	1096	1096
1°	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095
3°	1108	1114	1119	1122	1124	1124	1128	1130	1128	1124	1124
5°	1122	1135	1145	1152	1156	1157	1156	1159	1156	1157	1156
7°	1131	1146	1159	1162	1159	1153	1144	1141	1144	1153	1159
9°	1147	1153	1146	1140	1124	1112	1096	1087	1096	1112	1124
11°	1136	1138	1119	1091	1073	1059	1043	1034	1043	1059	1073
13°	1120	1088	1070	1053	1029	1022	1011	1003	1011	1022	1029
15°	1100	1057	1031	1021	1003	994	984	976	984	994	1003
17°	1070	1042	1015	991	981	974	974	965	974	974	981
19.5°	1047	1020	1002	968	958	925	906	890	906	925	958
22.5°	1031	1007	960	934	883	887	883	874	883	887	883
25.5°	1002	963	918	879	880	868	859	850	859	868	880
29°	959	894	840	854	857	833	825	819	825	833	857
33°	887	825	799	809	803	787	789	784	789	787	803
37.5°	815	768	752	747	750	750	754	750	754	750	750
42.5°	772	729	694	693	703	713	721	718	721	713	703
47.5°	747	706	638	643	647	601	570	571	570	601	647
55°	658	675	561	478	314	194	120	90	120	194	314
65°	233	187	96	70	87	72	65	65	65	72	87
75°	31	19	21	16	20	14	8	5	8	14	20
85°	7	7	6	6	5	6	5	0	5	6	5
90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: G2-16-1017-1

CATALOG NUMBER: UFLD-S-C70-X-U-66

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1096	1096	1096	1096	1096	1096	1096	1096	1096	1096	1096
1°	1095	1095	1095	1095	1095	1095	1095	1096	1096	1096	1097
3°	1122	1119	1114	1108	1108	1107	1108	1108	1107	1105	1103
5°	1152	1145	1135	1122	1110	1107	1107	1107	1107	1108	1109
7°	1162	1159	1146	1131	1113	1102	1099	1099	1102	1105	1109
9°	1140	1146	1153	1147	1132	1116	1108	1104	1101	1100	1107
11°	1091	1119	1138	1136	1124	1107	1096	1095	1100	1104	1106
13°	1053	1070	1088	1120	1127	1119	1100	1090	1085	1099	1115
15°	1021	1031	1057	1100	1129	1135	1108	1092	1084	1094	1122
17°	991	1015	1042	1070	1101	1119	1098	1087	1092	1103	1130
19.5°	968	1002	1020	1047	1083	1126	1107	1083	1089	1128	1156
22.5°	934	960	1007	1031	1052	1092	1101	1080	1099	1145	1190
25.5°	879	918	963	1002	1025	1065	1083	1062	1102	1173	1245
29°	854	840	894	959	1009	1053	1061	1054	1104	1204	1325
33°	809	799	825	887	927	963	998	1057	1113	1241	1416
37.5°	747	752	768	815	870	916	977	1051	1129	1309	1391
42.5°	693	694	729	772	842	905	945	1060	1180	1237	1022
47.5°	643	638	706	747	827	848	867	1067	1208	913	670
55°	478	561	675	658	740	790	740	869	827	508	483
65°	70	96	187	233	141	30	135	206	189	119	52
75°	16	21	19	31	26	26	15	15	12	8	9
85°	6	6	7	7	7	7	7	7	6	5	6
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G2-16-1017-1

CATALOG NUMBER: UFLD-S-C70-X-U-66

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1096	1096	1096	1096
1°	1097	1097	1097	1097
3°	1100	1097	1097	1097
5°	1107	1103	1099	1100
7°	1112	1111	1106	1106
9°	1115	1121	1115	1114
11°	1119	1130	1130	1127
13°	1127	1147	1153	1149
15°	1146	1173	1187	1183
17°	1174	1199	1218	1212
19.5°	1195	1241	1269	1270
22.5°	1242	1315	1357	1365
25.5°	1324	1407	1465	1477
29°	1448	1492	1538	1545
33°	1505	1431	1417	1392
37.5°	1259	1052	910	855
42.5°	783	738	698	693
47.5°	638	632	630	632
55°	342	233	129	62
65°	42	52	26	28
75°	8	9	5	3
85°	5	5	4	0
90°	0	0	0	0

(END OF REPORT)