

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: 765546

Luminaire Tested: **CFB40SXX76**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: 765546  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CFB40SXX76  
Description: 400W HPS 7H X 6V FLOODLIGHT  
Light Source: 400W HPS CL E-18  
Ballast/Driver: -

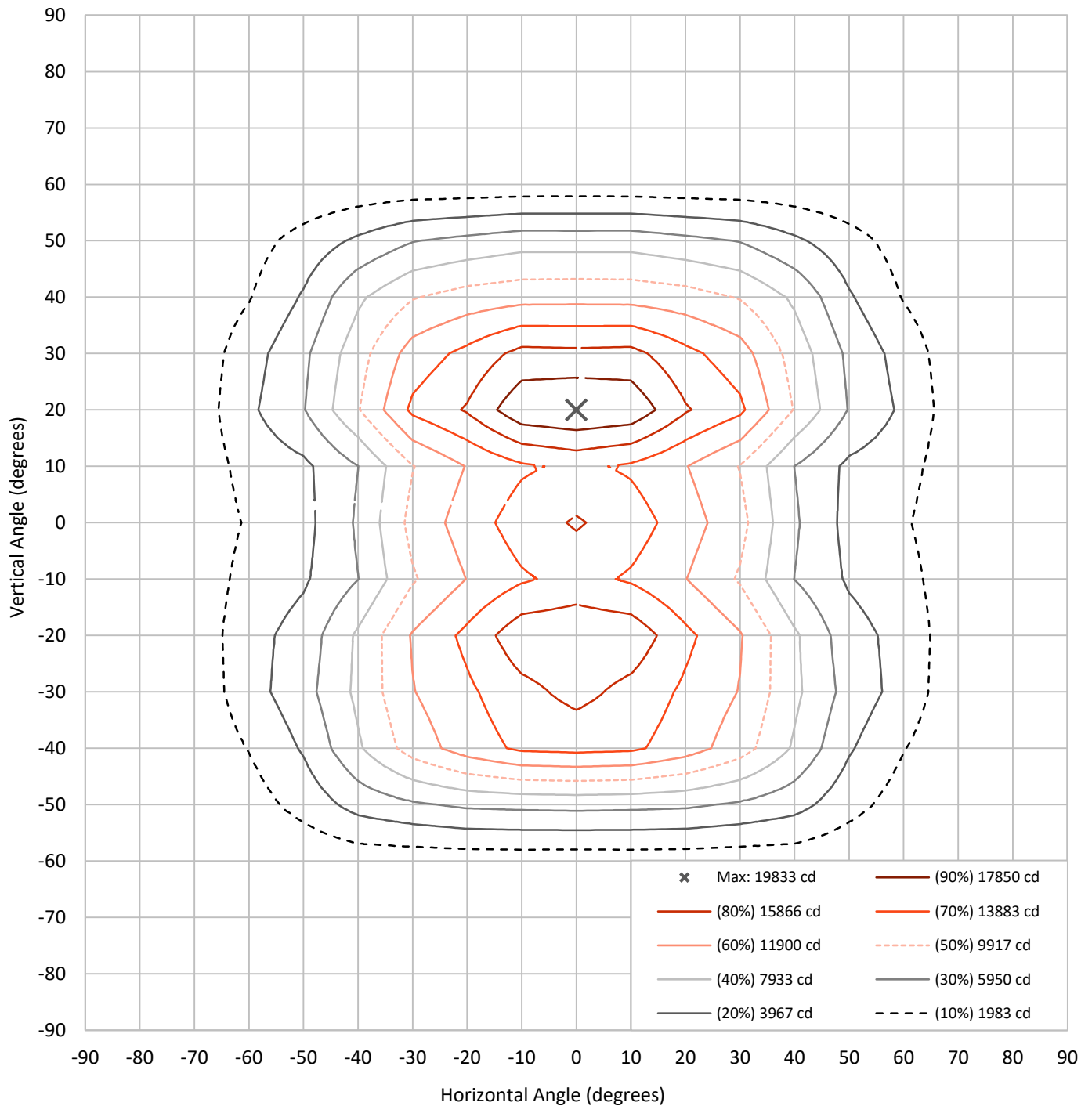
**Summary**

Lumens per Lamp:	50000 (1 lamp)	NEMA Type:	7H x 6V
Luminaire Lumens:	33933.4 lumens	Max Intensity:	19833 candela
Efficiency:	67.9%	Max Intensity Angle:	0°H x 20°V
Efficacy:	73.0 lumens/watt		
Luminous Opening:	Point Source (0' x 0' x 0')		
Beam Angle (50%):	79.4°H x 89°V	Field Angle (10%):	131.2°H x 115.8°V
Beam Lumens:	22633.8 lumens	Field Lumens:	32970.2 lumens
Beam Efficiency:	66.7%	Field Efficiency:	97.2%
Input Watts (W):	465		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	28.75 FT		



REPORT NUMBER: 765546  
CATALOG NUMBER: CFB40SXX76

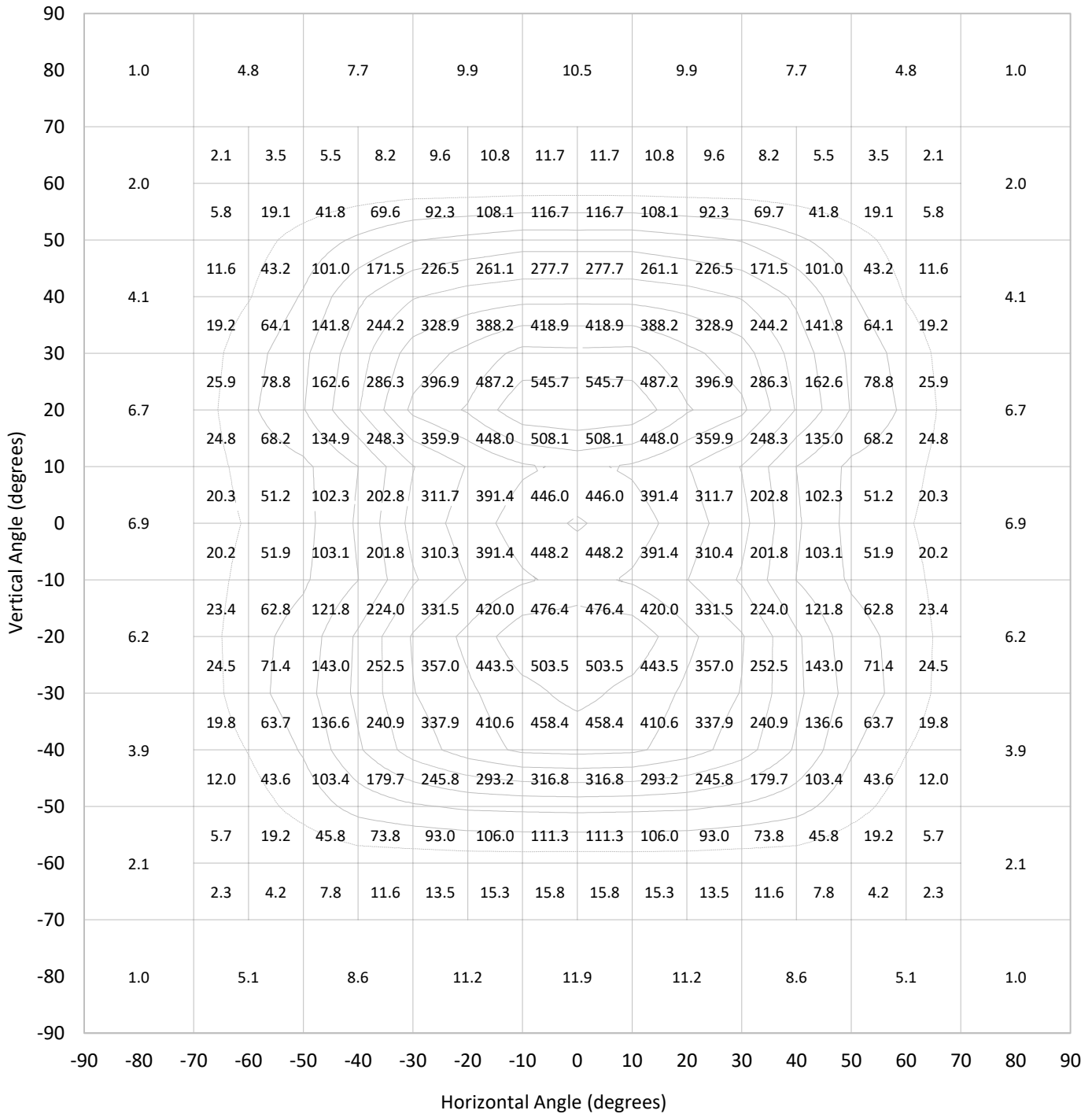
### Iso-Candela Plot





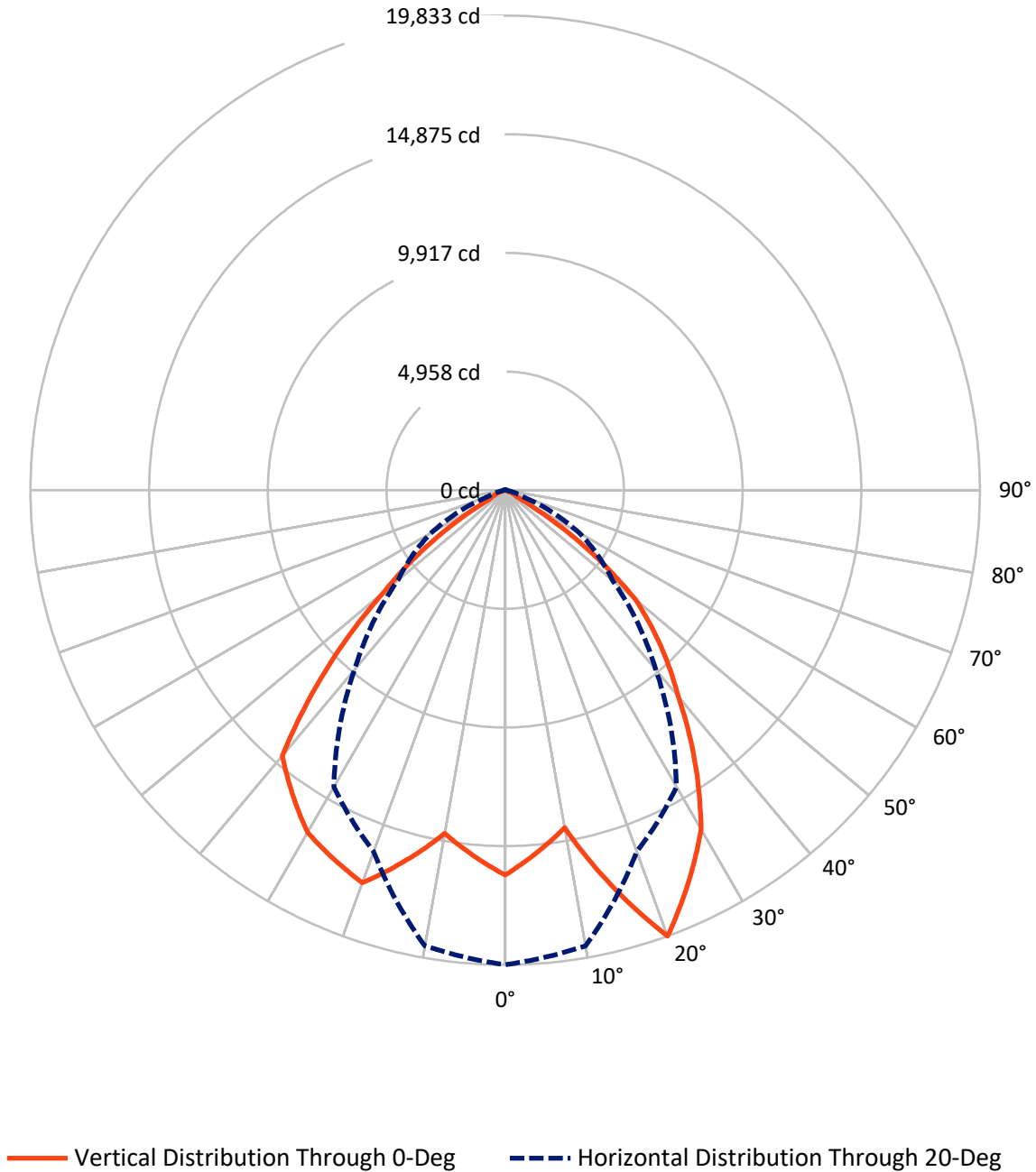
REPORT NUMBER: 765546  
 CATALOG NUMBER: CFB40SXX76

### Lumen Table



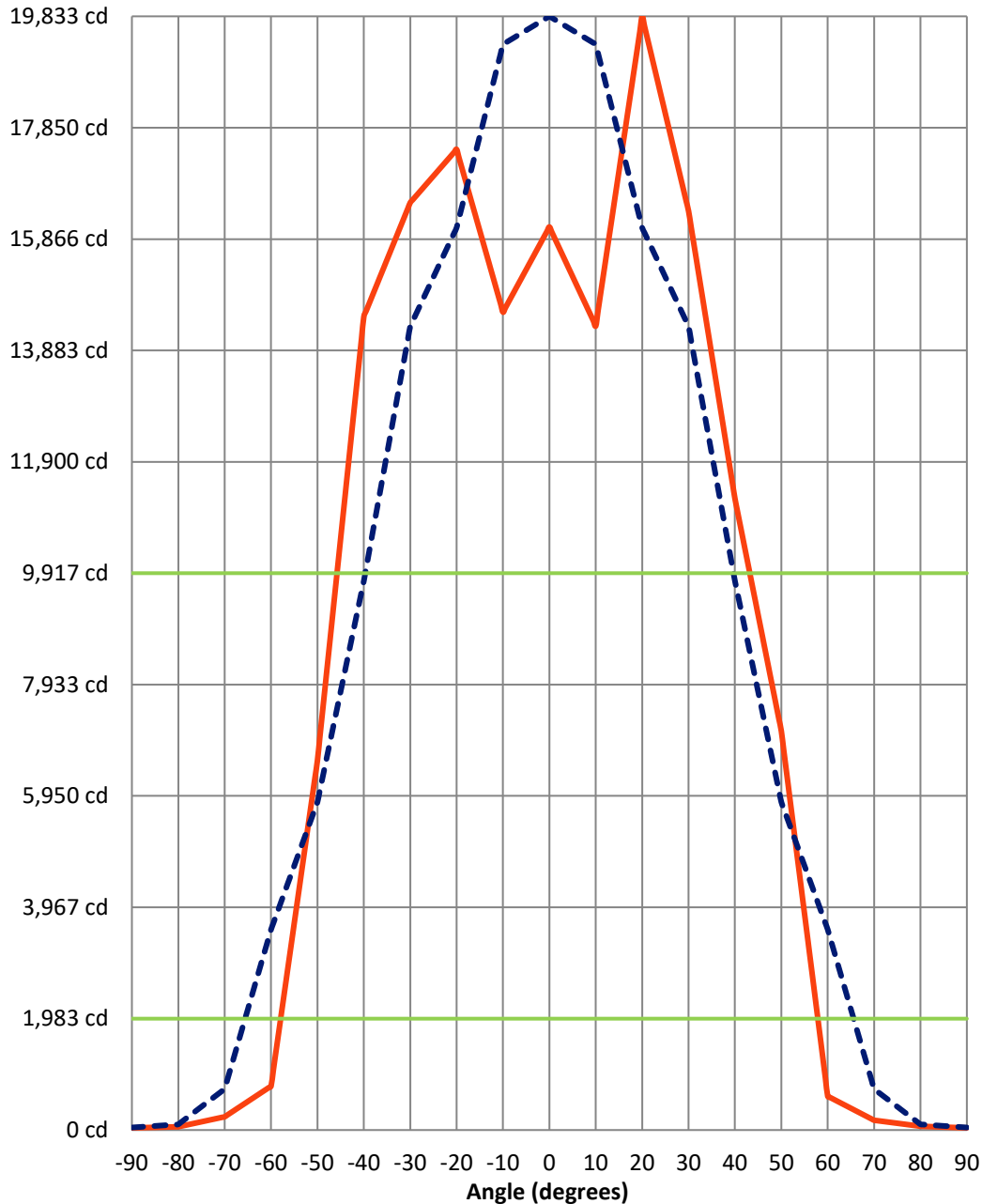
REPORT NUMBER: 765546  
CATALOG NUMBER: CFB40SXX76

### Luminous Intensity Polar Plot



REPORT NUMBER: 765546  
 CATALOG NUMBER: CFB40SXX76

### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.4°  
 V Angle: 89°  
 Lumens: 22633.8  
 Efficiency: 66.7%

**Field:**  
 H Angle: 131.2°  
 V Angle: 115.8°  
 Lumens: 32970.2  
 Efficiency: 97.2%

**Spill:**  
 Lumens: 963.2  
 Efficiency: 2.8%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 20-Deg



REPORT NUMBER: 765546  
 CATALOG NUMBER: CFB40SXX76

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-80°	-70°	-60°	-50°	-40°	-30°	-20°	-10°	0°	10°
90°	0	44	0	47	46	44	43	41	39	38	39
80°	45	46	69	80	71	68	68	61	63	67	63
70°	0	52	108	140	124	152	165	187	185	174	185
60°	45	61	152	255	272	466	530	515	588	602	588
50°	45	75	244	1154	2699	4328	5856	6494	7114	7104	7114
40°	45	83	350	1859	4182	7574	9771	10742	11189	11245	11189
30°	1	89	633	3121	5529	9082	12775	14421	16491	16367	16491
20°	45	101	731	3572	5841	9779	14312	16069	19335	19833	19335
10°	45	108	749	2675	3540	5933	9834	12002	13570	14319	13570
0°	45	111	712	2187	3330	6223	10559	12820	14891	16083	14891
-10°	45	108	689	2688	3701	5919	9692	11952	13616	14564	13616
-20°	45	101	661	3238	4768	8261	12078	14372	17236	17463	17236
-30°	1	89	541	3174	5184	8383	11813	13523	15236	16515	15236
-40°	45	80	367	2064	4184	7657	10819	12869	14264	14485	14264
-50°	45	73	243	1067	2689	4705	5665	6301	6476	6584	6476
-60°	45	63	157	292	362	759	711	812	846	782	846
-70°	0	54	107	155	149	173	224	210	219	236	219
-80°	45	47	67	82	74	70	69	66	67	58	67
-90°	0	44	0	48	48	48	47	44	42	38	42



REPORT NUMBER: 765546  
 CATALOG NUMBER: CFB40SXX76

**CANDELA DISTRIBUTION (continued):**

	20°	30°	40°	50°	60°	70°	80°	90°
90°	41	43	44	46	47	0	44	0
80°	61	68	68	71	80	69	46	45
70°	187	165	152	124	140	108	52	0
60°	515	530	466	272	255	152	61	45
50°	6494	5856	4327	2699	1153	244	75	45
40°	10742	9771	7574	4182	1859	350	83	45
30°	14421	12775	9082	5528	3121	633	89	1
20°	16069	14312	9778	5841	3571	730	101	45
10°	12002	9833	5932	3540	2675	749	108	45
0°	12820	10559	6223	3330	2187	712	111	45
-10°	11952	9691	5919	3701	2688	689	108	45
-20°	14372	12078	8260	4768	3237	660	101	45
-30°	13523	11813	8383	5183	3174	541	89	1
-40°	12869	10818	7657	4184	2064	367	80	45
-50°	6301	5665	4705	2688	1067	243	73	45
-60°	812	711	759	362	292	157	63	45
-70°	210	224	173	149	155	107	54	0
-80°	66	69	70	74	82	67	47	45
-90°	44	47	48	48	48	0	44	0

(END OF REPORT)