

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P723839

Luminaire Tested: **IFLD-S-SA2D-830-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723839
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-830-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	6578.8 lumens	Max Intensity:	154776 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	53.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		

Beam Angle (50%):	9.3°H x 8.8°V	Field Angle (10%):	15.8°H x 15.3°V
Beam Lumens:	2385.7 lumens	Field Lumens:	3803.3 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

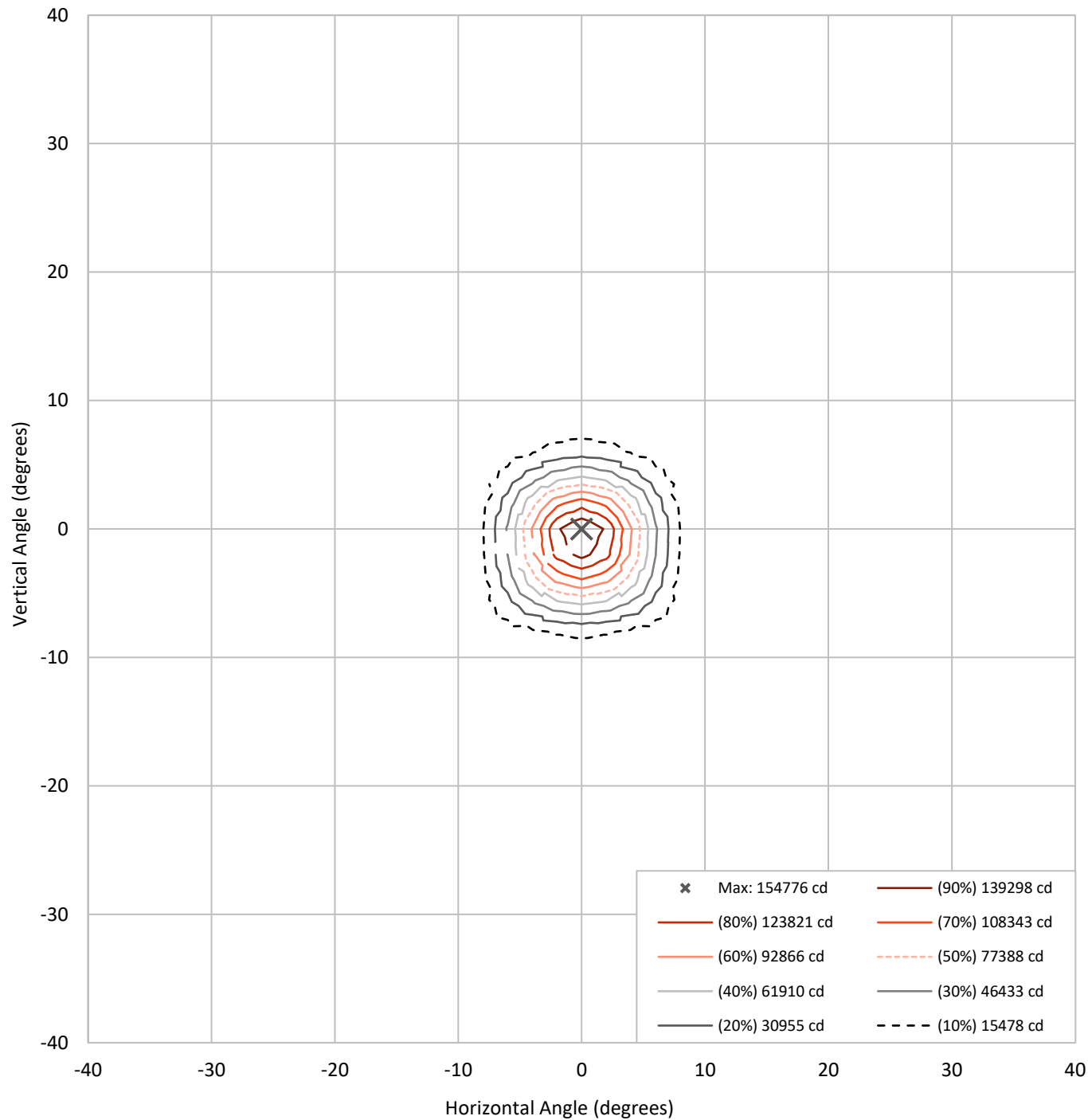
Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT





REPORT NUMBER: P723839
CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

Iso-Candela Plot



REPORT NUMBER: P723839

CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

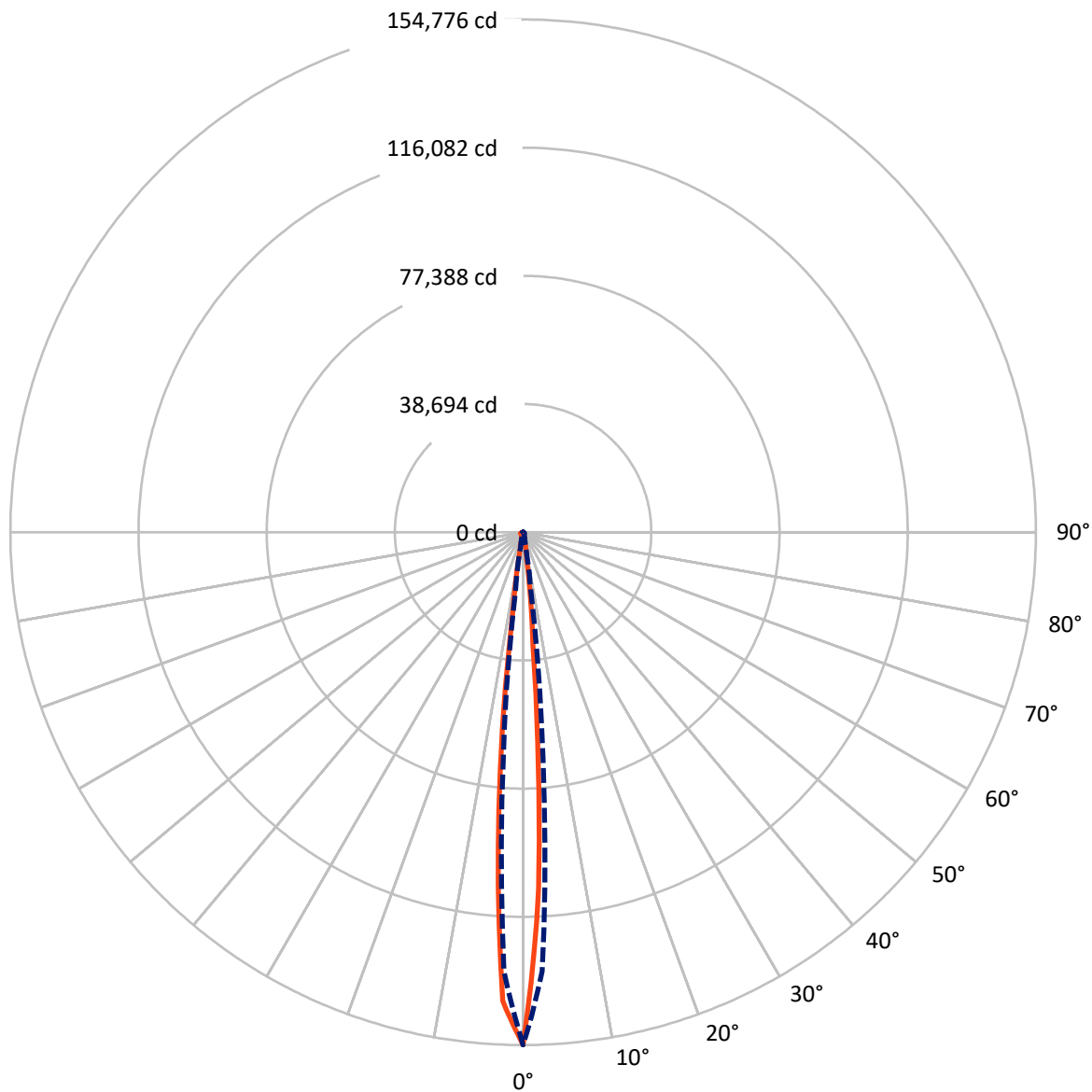
Lumen Table

Vertical Angle (degrees)																
	0.1	1.5		1.6		0.6		0.2		0.6		1.6		1.5		0.1
90																
80	0.1	1.5		1.6		0.6		0.2		0.6		1.6		1.5		0.1
70																
60	0.2	0.3	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.3	0.2
50		0.2	0.3	0.8	1.7	2.8	3.6	4.1	4.1	3.6	2.8	1.7	0.8	0.3	0.2	
40	0.2	0.2	0.9	3.0	5.9	8.6	10.4	11.5	11.5	10.4	8.6	5.9	3.0	0.9	0.2	0.2
30		0.4	2.3	6.2	10.0	11.7	12.7	13.1	13.1	12.7	11.7	10.0	6.2	2.3	0.4	
20	0.3	0.9	3.9	9.0	11.6	11.9	14.1	17.0	17.0	14.1	11.9	11.6	9.0	3.9	0.9	0.3
10		1.3	5.5	11.0	12.4	13.9	24.5	41.8	41.8	24.5	13.9	12.4	11.0	5.5	1.3	
0	0.4	1.7	6.7	12.1	12.8	17.2	46.6	863.6	863.6	46.6	17.2	12.8	12.1	6.7	1.7	0.4
-10		2.0	7.3	12.7	13.3	17.8	50.2	1259.3	1259.3	50.2	17.8	13.3	12.7	7.3	2.0	
-20	0.6	2.2	7.5	13.4	14.4	16.1	29.2	56.0	56.0	29.2	16.1	14.4	13.4	7.5	2.2	0.6
-30		2.0	7.2	13.5	16.1	16.2	18.9	23.1	23.1	18.9	16.2	16.1	13.5	7.2	2.0	
-40	0.7	1.8	6.3	12.9	17.8	19.4	20.1	20.3	20.3	20.1	19.4	17.8	12.9	6.3	1.8	0.7
-50		1.6	5.1	11.0	17.1	20.8	23.3	24.5	24.5	23.3	20.8	17.1	11.0	5.1	1.6	
-60	0.5	1.4	3.9	8.5	14.6	19.6	22.8	24.1	24.1	22.8	19.6	14.6	8.5	3.9	1.4	0.5
-70		1.3	3.5	6.9	12.2	17.1	20.8	22.4	22.4	20.8	17.1	12.2	6.9	3.5	1.3	
-80	0.3	4.1		12.1		22.5		24.8		22.5		12.1		4.1		0.3
-90																
Horizontal Angle (degrees)																
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	90

REPORT NUMBER: P723839

CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

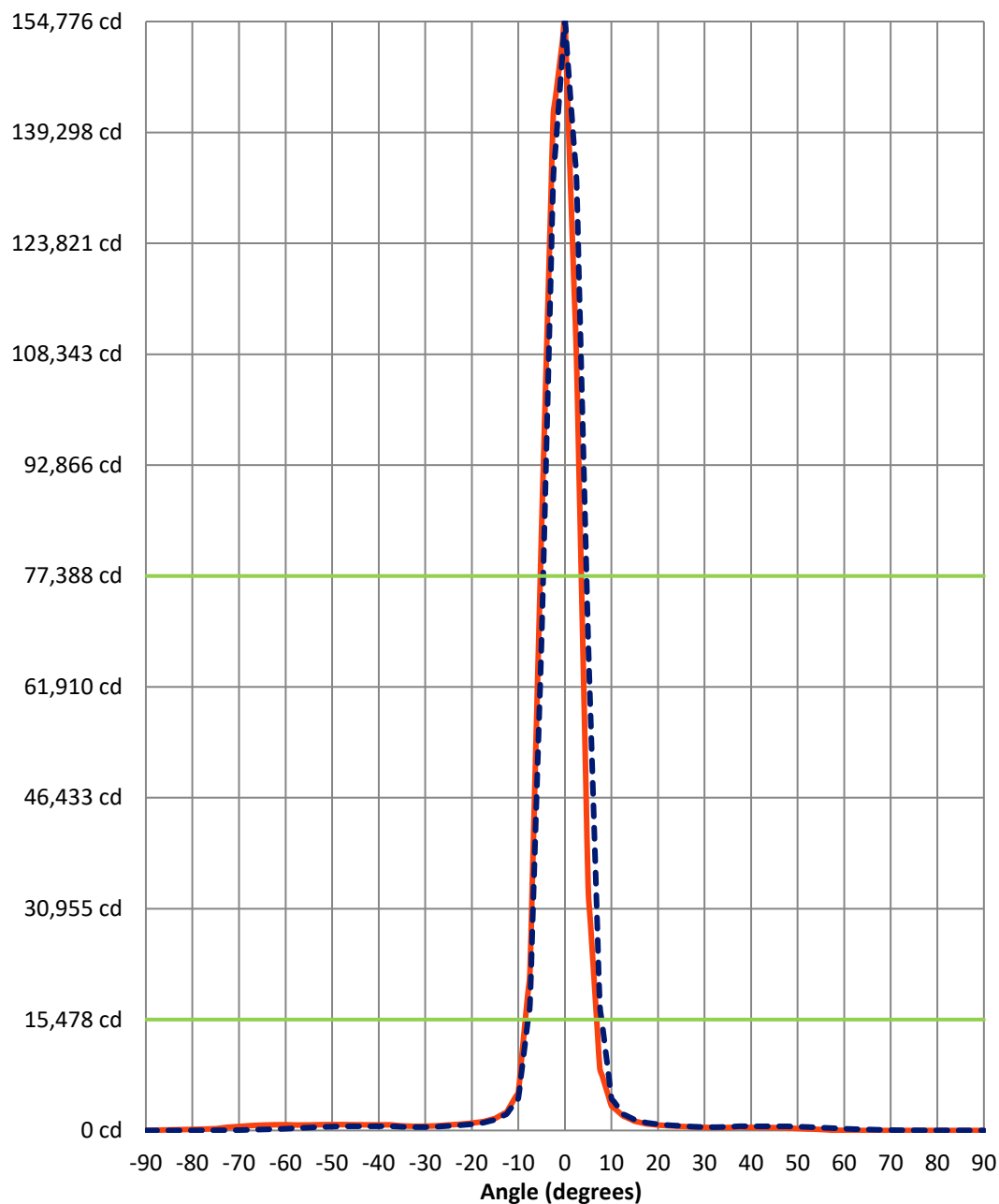
Luminous Intensity Polar Plot



REPORT NUMBER: P723839

CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 2385.7

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 3803.3

Efficiency: 57.8%

Spill:

Lumens: 2775.5

Efficiency: 42.2%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg

REPORT NUMBER: P723839

CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

FIELD
BEAM

CANDELA DISTRIBUTION:

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	0.0	1.5	1.5	3.0	3.0	3.0	4.6	6.1	7.6	7.6	9.1
82.5°	0.0	1.5	1.5	3.0	3.0	4.6	4.6	7.6	9.1	10.6	13.7
80°	1.5	1.5	1.5	3.0	3.0	4.6	4.6	6.1	7.6	10.6	12.1
77.5°	0.0	1.5	1.5	1.5	3.0	3.0	3.0	4.6	6.1	7.6	9.1
75°	0.0	1.5	1.5	1.5	3.0	3.0	3.0	3.0	4.6	4.6	6.1
72.5°	0.0	0.0	0.0	1.5	1.5	3.0	3.0	3.0	4.6	4.6	4.6
70°	0.0	0.0	0.0	1.5	1.5	3.0	3.0	3.0	4.6	4.6	4.6
67.5°	0.0	0.0	0.0	1.5	1.5	3.0	3.0	3.0	4.6	4.6	4.6
65°	0.0	0.0	0.0	1.5	1.5	3.0	3.0	4.6	4.6	4.6	4.6
62.5°	1.5	1.5	1.5	3.0	4.6	4.6	6.1	7.6	7.6	7.6	7.6
60°	15.2	16.7	18.2	18.2	16.7	16.7	18.2	18.2	18.2	18.2	18.2
57.5°	41.0	44.0	45.6	45.6	45.6	44.0	50.1	51.6	45.6	42.5	47.1
55°	142.8	147.3	144.3	139.7	130.6	120.0	116.9	115.4	116.9	109.3	97.2
52.5°	208.1	212.6	211.1	208.1	202.0	194.4	188.3	182.2	176.2	164.0	150.4
50°	270.3	271.8	270.3	267.3	261.2	253.6	241.5	227.8	215.7	212.6	200.5
47.5°	340.2	344.7	344.7	343.2	338.7	325.0	306.8	287.0	277.9	274.9	262.7
45°	402.5	405.5	407.0	408.5	407.0	393.3	376.6	366.0	346.3	340.2	340.2
42.5°	419.2	420.7	422.2	423.7	428.3	417.6	404.0	385.7	381.2	379.7	376.6
40°	425.2	422.2	423.7	425.2	426.8	419.2	408.5	397.9	394.9	391.8	391.8
37.5°	482.9	469.3	458.6	449.5	441.9	434.3	423.7	414.6	407.0	400.9	407.0
35°	411.6	411.6	422.2	431.3	440.4	449.5	451.1	440.4	423.7	416.1	426.8
32.5°	420.7	420.7	420.7	423.7	426.8	434.3	441.9	446.5	458.6	445.0	445.0
30°	429.8	431.3	434.3	435.9	431.3	428.3	425.2	425.2	432.8	452.6	463.2
27.5°	482.9	482.9	478.4	472.3	458.6	437.4	426.8	411.6	413.1	422.2	448.0
25°	569.5	566.5	555.8	540.7	516.4	486.0	457.1	425.2	411.6	407.0	417.6
22.5°	651.5	647.0	633.3	619.6	599.9	569.5	520.9	472.3	429.8	411.6	407.0
20°	756.3	745.7	730.5	709.2	677.3	647.0	604.4	540.7	478.4	431.3	413.1
17.5°	924.9	911.2	882.4	844.4	789.7	742.6	681.9	621.1	551.3	475.4	434.3
15°	1293.9	1259.0	1208.9	1104.1	996.3	906.7	815.5	713.8	642.4	542.2	479.9
12.5°	2035.0	1939.4	1793.6	1549.1	1307.6	1099.5	952.2	821.6	706.2	613.6	525.5
10°	3444.4	3239.4	2836.9	2168.7	1723.7	1341.0	1076.8	902.1	756.3	660.6	563.4
7.5°	8711.2	7106.0	5028.4	3433.8	2255.3	1638.7	1231.7	978.0	809.5	691.0	593.8
5°	33951.9	27968.2	14919.6	6226.6	3392.8	1981.9	1371.4	1038.8	844.4	713.8	616.6
2.5°	107752.8	93051.8	48819.9	13404.0	4165.8	2232.5	1467.1	1076.8	864.1	730.5	633.3
0°	154776.0	132648.7	68515.8	17629.0	4518.1	2296.3	1497.4	1084.3	867.2	733.5	633.3
-2.5°	141593.8	123922.3	66186.1	16404.9	4616.8	2314.5	1521.7	1110.2	890.0	747.2	637.9
-5°	84134.1	73797.8	46169.8	11697.0	4102.0	2149.0	1457.9	1087.4	874.8	739.6	634.8
-7.5°	22166.8	19190.2	12623.4	6103.6	2654.7	1817.9	1339.5	1049.4	855.0	725.9	622.7
-10°	5344.3	5064.8	4524.2	2773.1	2066.9	1518.7	1187.6	981.1	815.5	707.7	602.9
-12.5°	2577.2	2516.5	2284.1	1883.2	1533.9	1262.0	1075.2	909.7	779.1	675.8	575.6
-15°	1676.6	1641.7	1562.7	1409.3	1231.7	1101.1	970.4	836.8	733.5	628.7	552.8
-17.5°	1240.8	1239.3	1199.8	1142.1	1054.0	956.8	861.1	776.1	675.8	586.2	528.5
-20°	1028.2	1028.2	1005.4	967.4	905.1	841.4	777.6	698.6	616.6	549.8	525.5

REPORT NUMBER: P723839

CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	873.2	874.8	862.6	838.3	804.9	751.8	689.5	625.7	566.5	542.2	534.6
-25°	773.0	770.0	756.3	733.5	698.6	656.1	615.1	572.5	555.8	549.8	560.4
-27.5°	654.6	659.1	653.0	642.4	619.6	589.3	580.1	568.0	571.0	580.1	621.1
-30°	584.7	589.3	595.3	599.9	592.3	584.7	587.7	596.8	616.6	651.5	666.7
-32.5°	584.7	586.2	595.3	604.4	609.0	615.1	631.8	662.2	691.0	681.9	678.9
-35°	637.9	633.3	645.4	657.6	674.3	695.6	713.8	707.7	697.1	694.0	697.1
-37.5°	789.7	760.9	748.7	741.1	736.6	733.5	729.0	724.4	719.9	716.8	721.4
-40°	788.2	780.6	773.0	766.9	762.4	756.3	753.3	751.8	747.2	744.2	741.1
-42.5°	785.2	788.2	788.2	786.7	788.2	786.7	782.1	776.1	768.5	762.4	756.3
-45°	807.9	809.5	812.5	815.5	820.1	814.0	804.9	794.3	783.6	774.5	766.9
-47.5°	821.6	823.1	826.2	830.7	833.8	827.7	815.5	801.9	785.2	770.0	754.8
-50°	826.2	830.7	832.2	832.2	830.7	823.1	804.9	785.2	766.9	751.8	738.1
-52.5°	804.9	809.5	811.0	807.9	806.4	798.8	782.1	763.9	744.2	733.5	721.4
-55°	770.0	776.1	780.6	780.6	780.6	779.1	763.9	747.2	732.0	719.9	707.7
-57.5°	756.3	766.9	776.1	777.6	779.1	780.6	770.0	753.3	735.0	716.8	701.6
-60°	806.4	815.5	820.1	814.0	809.5	804.9	788.2	768.5	750.2	732.0	703.2
-62.5°	792.8	807.9	815.5	811.0	804.9	797.3	779.1	756.3	735.0	715.3	686.4
-65°	748.7	762.4	771.5	763.9	754.8	744.2	727.5	706.2	686.4	666.7	640.9
-67.5°	674.3	694.0	709.2	692.5	680.4	666.7	653.0	634.8	615.1	592.3	568.0
-70°	557.4	572.5	586.2	581.7	578.6	575.6	566.5	548.2	531.5	513.3	492.1
-72.5°	448.0	461.7	473.8	466.2	460.2	451.1	437.4	417.6	397.9	378.2	358.4
-75°	247.5	252.1	256.7	255.1	255.1	255.1	255.1	256.7	253.6	249.1	240.0
-77.5°	189.8	195.9	200.5	203.5	208.1	214.1	218.7	211.1	203.5	195.9	186.8
-80°	148.8	154.9	159.5	176.2	188.3	202.0	211.1	200.5	189.8	180.7	173.1
-82.5°	112.4	116.9	121.5	130.6	136.7	144.3	150.4	150.4	148.8	147.3	142.8
-85°	82.0	88.1	94.2	97.2	101.8	101.8	103.3	97.2	91.1	86.6	80.5
-87.5°	47.1	48.6	48.6	48.6	50.1	50.1	50.1	47.1	45.6	42.5	41.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P723839

CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	3.0	3.0	4.6	4.6	6.1	6.1	7.6	7.6
85°	9.1	9.1	9.1	10.6	10.6	12.1	13.7	15.2	16.7	16.7	18.2
82.5°	15.2	16.7	18.2	19.7	21.3	22.8	24.3	25.8	30.4	33.4	34.9
80°	15.2	16.7	21.3	24.3	27.3	30.4	30.4	30.4	30.4	31.9	34.9
77.5°	10.6	12.1	13.7	16.7	24.3	30.4	34.9	38.0	34.9	33.4	30.4
75°	6.1	7.6	9.1	10.6	15.2	21.3	28.9	36.4	42.5	41.0	38.0
72.5°	6.1	6.1	7.6	9.1	10.6	12.1	13.7	21.3	30.4	38.0	42.5
70°	6.1	7.6	7.6	9.1	10.6	12.1	13.7	16.7	21.3	30.4	39.5
67.5°	6.1	7.6	7.6	10.6	13.7	15.2	16.7	15.2	13.7	19.7	28.9
65°	6.1	6.1	7.6	9.1	10.6	12.1	16.7	16.7	15.2	15.2	15.2
62.5°	9.1	9.1	9.1	9.1	10.6	10.6	10.6	13.7	13.7	13.7	13.7
60°	18.2	16.7	16.7	16.7	16.7	13.7	13.7	13.7	12.1	13.7	12.1
57.5°	44.0	36.4	33.4	33.4	28.9	27.3	22.8	16.7	16.7	13.7	13.7
55°	89.6	85.0	71.4	59.2	53.2	47.1	36.4	30.4	22.8	18.2	16.7
52.5°	138.2	126.1	113.9	98.7	83.5	71.4	60.7	47.1	38.0	27.3	21.3
50°	180.7	170.1	156.4	139.7	120.0	104.8	89.6	71.4	56.2	42.5	30.4
47.5°	246.0	224.8	208.1	188.3	165.5	144.3	124.5	103.3	79.0	62.3	47.1
45°	315.9	285.5	262.7	244.5	214.1	185.3	162.5	139.7	110.9	82.0	63.8
42.5°	364.5	341.7	311.3	287.0	259.7	229.3	198.9	174.6	144.3	110.9	82.0
40°	390.3	375.1	350.8	329.6	300.7	267.3	235.4	211.1	179.2	142.8	103.3
37.5°	410.0	402.5	390.3	373.6	346.3	306.8	274.9	246.0	218.7	176.2	133.6
35°	432.8	431.3	423.7	416.1	393.3	355.4	317.4	284.0	250.6	211.1	164.0
32.5°	454.1	452.6	448.0	445.0	435.9	402.5	361.4	323.5	285.5	244.5	192.9
30°	464.7	461.7	461.7	464.7	455.6	434.3	404.0	363.0	320.4	271.8	223.2
27.5°	464.7	461.7	463.2	467.8	466.2	455.6	432.8	399.4	352.3	297.7	250.6
25°	445.0	460.2	460.2	466.2	467.8	464.7	452.6	431.3	382.7	325.0	271.8
22.5°	417.6	454.1	467.8	466.2	467.8	475.4	476.9	457.1	411.6	352.3	293.1
20°	417.6	443.5	482.9	472.3	475.4	492.1	499.6	482.9	441.9	378.2	314.4
17.5°	426.8	443.5	476.9	493.6	498.1	511.8	523.9	513.3	469.3	405.5	343.2
15°	452.6	449.5	472.3	513.3	520.9	531.5	545.2	533.1	493.6	435.9	370.6
12.5°	470.8	454.1	472.3	516.4	540.7	551.3	555.8	546.7	514.8	463.2	397.9
10°	495.1	466.2	475.4	513.3	548.2	555.8	560.4	557.4	534.6	486.0	422.2
7.5°	513.3	472.3	472.3	508.8	555.8	561.9	565.0	568.0	551.3	505.7	443.5
5°	520.9	472.3	469.3	504.2	563.4	569.5	569.5	574.1	563.4	520.9	458.6
2.5°	522.4	470.8	466.2	501.2	577.1	577.1	574.1	578.6	572.5	530.0	469.3
0°	530.0	469.3	464.7	505.7	592.3	586.2	578.6	580.1	577.1	534.6	475.4
-2.5°	530.0	476.9	470.8	508.8	590.8	589.3	586.2	587.7	584.7	548.2	487.5
-5°	537.6	487.5	481.4	522.4	589.3	593.8	595.3	595.3	590.8	557.4	495.1
-7.5°	539.1	495.1	493.6	536.1	592.3	599.9	604.4	607.5	598.4	563.4	501.2
-10°	531.5	498.1	505.7	552.8	595.3	606.0	615.1	619.6	604.4	566.5	504.2
-12.5°	514.8	498.1	517.9	574.1	602.9	615.1	628.7	630.3	610.5	568.0	505.7
-15°	513.3	510.3	539.1	595.3	607.5	622.7	643.9	639.4	615.1	568.0	505.7
-17.5°	511.8	527.0	571.0	602.9	615.1	631.8	648.5	643.9	618.1	568.0	502.7
-20°	525.5	554.3	609.0	610.5	624.2	642.4	651.5	642.4	613.6	563.4	498.1

REPORT NUMBER: P723839

CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	548.2	602.9	621.1	627.2	639.4	653.0	657.6	643.9	609.0	555.8	490.5
-25°	606.0	633.3	633.3	647.0	659.1	665.2	660.6	645.4	602.9	548.2	482.9
-27.5°	650.0	648.5	656.1	669.7	680.4	680.4	668.2	637.9	593.8	540.7	472.3
-30°	666.7	668.2	678.9	694.0	697.1	689.5	671.3	631.8	586.2	528.5	458.6
-32.5°	683.4	689.5	703.2	710.7	712.3	697.1	663.7	621.1	574.1	514.8	443.5
-35°	703.2	715.3	722.9	724.4	716.8	691.0	653.0	607.5	555.8	495.1	429.8
-37.5°	729.0	735.0	739.6	733.5	712.3	681.9	634.8	589.3	539.1	473.8	410.0
-40°	745.7	748.7	750.2	730.5	704.7	660.6	615.1	568.0	510.3	449.5	388.8
-42.5°	756.3	753.3	741.1	719.9	681.9	639.4	595.3	542.2	484.5	425.2	366.0
-45°	753.3	742.6	724.4	698.6	659.1	616.6	565.0	511.8	457.1	399.4	340.2
-47.5°	741.1	724.4	701.6	671.3	634.8	583.2	531.5	479.9	426.8	370.6	315.9
-50°	725.9	706.2	678.9	640.9	592.3	545.2	498.1	448.0	393.3	341.7	293.1
-52.5°	709.2	688.0	653.0	610.5	557.4	508.8	463.2	414.6	364.5	315.9	273.4
-55°	691.0	669.7	630.3	581.7	528.5	475.4	431.3	390.3	341.7	294.6	256.7
-57.5°	681.9	654.6	613.6	565.0	508.8	454.1	416.1	372.1	328.0	279.4	243.0
-60°	674.3	647.0	609.0	552.8	499.6	448.0	404.0	361.4	314.4	268.8	232.4
-62.5°	653.0	624.2	589.3	534.6	482.9	435.9	396.4	346.3	300.7	258.2	224.8
-65°	610.5	580.1	549.8	501.2	454.1	410.0	370.6	325.0	282.5	246.0	217.2
-67.5°	543.7	517.9	490.5	449.5	410.0	370.6	334.1	294.6	259.7	233.9	218.7
-70°	469.3	441.9	414.6	381.2	347.8	315.9	287.0	258.2	235.4	221.7	209.6
-72.5°	341.7	329.6	315.9	290.1	262.7	243.0	229.3	217.2	200.5	188.3	180.7
-75°	227.8	211.1	189.8	180.7	182.2	179.2	171.6	162.5	154.9	150.4	139.7
-77.5°	177.7	168.6	157.9	147.3	142.8	138.2	132.1	124.5	118.5	107.8	92.6
-80°	164.0	156.4	148.8	141.2	133.6	123.0	110.9	98.7	92.6	88.1	86.6
-82.5°	135.2	126.1	116.9	109.3	98.7	91.1	83.5	77.5	77.5	75.9	74.4
-85°	77.5	74.4	69.9	66.8	63.8	59.2	54.7	51.6	50.1	48.6	47.1
-87.5°	39.5	38.0	34.9	33.4	31.9	30.4	27.3	25.8	24.3	24.3	22.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P723839

CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.6	7.6	6.1	6.1	6.1	4.6	3.0	3.0	1.5	1.5	0.0
85°	18.2	15.2	13.7	12.1	12.1	9.1	6.1	4.6	3.0	1.5	1.5
82.5°	34.9	30.4	25.8	22.8	18.2	13.7	10.6	7.6	4.6	3.0	1.5
80°	39.5	39.5	38.0	31.9	25.8	19.7	13.7	9.1	6.1	4.6	3.0
77.5°	30.4	33.4	33.4	33.4	31.9	24.3	16.7	10.6	6.1	4.6	3.0
75°	34.9	30.4	28.9	30.4	28.9	24.3	19.7	12.1	7.6	6.1	3.0
72.5°	42.5	36.4	31.9	30.4	27.3	22.8	18.2	13.7	7.6	6.1	4.6
70°	39.5	38.0	34.9	31.9	27.3	22.8	18.2	13.7	9.1	6.1	4.6
67.5°	34.9	34.9	34.9	31.9	27.3	21.3	16.7	12.1	9.1	6.1	4.6
65°	24.3	28.9	31.9	30.4	27.3	21.3	16.7	12.1	9.1	7.6	4.6
62.5°	15.2	19.7	25.8	28.9	25.8	21.3	15.2	12.1	9.1	7.6	4.6
60°	13.7	15.2	18.2	22.8	24.3	19.7	15.2	10.6	9.1	7.6	4.6
57.5°	13.7	13.7	15.2	18.2	19.7	18.2	13.7	9.1	9.1	7.6	6.1
55°	15.2	13.7	13.7	15.2	16.7	16.7	13.7	9.1	9.1	7.6	6.1
52.5°	18.2	15.2	13.7	13.7	13.7	15.2	12.1	9.1	9.1	7.6	6.1
50°	22.8	18.2	16.7	13.7	13.7	13.7	12.1	9.1	7.6	7.6	6.1
47.5°	30.4	24.3	18.2	16.7	13.7	12.1	10.6	9.1	7.6	7.6	6.1
45°	45.6	28.9	24.3	18.2	15.2	13.7	12.1	9.1	7.6	7.6	6.1
42.5°	62.3	42.5	30.4	21.3	16.7	13.7	12.1	10.6	7.6	7.6	6.1
40°	79.0	57.7	38.0	27.3	19.7	15.2	12.1	10.6	9.1	7.6	6.1
37.5°	97.2	71.4	50.1	34.9	22.8	16.7	13.7	10.6	9.1	7.6	6.1
35°	120.0	89.6	62.3	42.5	27.3	19.7	15.2	10.6	9.1	7.6	6.1
32.5°	145.8	106.3	74.4	51.6	34.9	24.3	16.7	12.1	9.1	7.6	6.1
30°	170.1	126.1	88.1	62.3	42.5	27.3	18.2	12.1	9.1	7.6	4.6
27.5°	194.4	145.8	104.8	72.9	51.6	31.9	19.7	13.7	9.1	7.6	6.1
25°	218.7	165.5	121.5	83.5	59.2	38.0	24.3	15.2	9.1	7.6	6.1
22.5°	240.0	185.3	136.7	95.7	68.3	44.0	27.3	16.7	10.6	7.6	6.1
20°	264.3	206.5	153.4	109.3	75.9	50.1	30.4	18.2	10.6	7.6	6.1
17.5°	287.0	227.8	170.1	121.5	85.0	56.2	34.9	19.7	12.1	7.6	6.1
15°	309.8	247.5	185.3	133.6	94.2	62.3	38.0	21.3	13.7	7.6	6.1
12.5°	331.1	265.8	198.9	144.3	101.8	68.3	41.0	22.8	15.2	7.6	6.1
10°	350.8	282.5	212.6	153.4	109.3	72.9	44.0	25.8	16.7	7.6	6.1
7.5°	370.6	296.1	223.2	162.5	118.5	79.0	47.1	27.3	18.2	9.1	6.1
5°	382.7	308.3	232.4	170.1	126.1	85.0	50.1	28.9	19.7	9.1	6.1
2.5°	393.3	317.4	238.4	177.7	133.6	89.6	50.1	30.4	21.3	9.1	6.1
0°	399.4	323.5	243.0	182.2	139.7	92.6	51.6	31.9	22.8	9.1	6.1
-2.5°	413.1	334.1	253.6	188.3	145.8	101.8	54.7	33.4	24.3	10.6	6.1
-5°	422.2	340.2	261.2	194.4	150.4	110.9	59.2	36.4	27.3	13.7	7.6
-7.5°	429.8	346.3	267.3	197.4	154.9	113.9	60.7	38.0	28.9	15.2	7.6
-10°	431.3	349.3	271.8	202.0	157.9	118.5	62.3	39.5	30.4	16.7	7.6
-12.5°	432.8	352.3	273.4	205.0	161.0	121.5	63.8	41.0	31.9	18.2	7.6
-15°	431.3	350.8	273.4	208.1	162.5	118.5	66.8	42.5	33.4	19.7	7.6
-17.5°	428.3	349.3	271.8	206.5	161.0	115.4	68.3	45.6	33.4	21.3	9.1
-20°	423.7	344.7	268.8	205.0	159.5	112.4	69.9	47.1	34.9	21.3	9.1

REPORT NUMBER: P723839

CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	416.1	337.1	262.7	200.5	156.4	109.3	69.9	50.1	36.4	21.3	9.1
-25°	407.0	329.6	256.7	194.4	151.9	104.8	69.9	51.6	38.0	21.3	9.1
-27.5°	396.4	322.0	247.5	189.8	145.8	101.8	69.9	53.2	39.5	21.3	9.1
-30°	384.2	311.3	240.0	182.2	141.2	101.8	71.4	54.7	41.0	21.3	9.1
-32.5°	372.1	300.7	230.8	176.2	135.2	100.2	71.4	56.2	42.5	19.7	10.6
-35°	358.4	288.6	223.2	171.6	130.6	97.2	72.9	56.2	41.0	19.7	10.6
-37.5°	341.7	273.4	215.7	167.1	127.6	94.2	72.9	57.7	39.5	19.7	10.6
-40°	323.5	261.2	206.5	161.0	123.0	92.6	72.9	57.7	38.0	19.7	12.1
-42.5°	303.7	247.5	197.4	154.9	118.5	91.1	72.9	57.7	36.4	19.7	12.1
-45°	285.5	233.9	186.8	147.3	113.9	91.1	72.9	56.2	33.4	21.3	12.1
-47.5°	265.8	218.7	174.6	139.7	112.4	89.6	71.4	53.2	30.4	21.3	12.1
-50°	249.1	203.5	165.5	132.1	109.3	91.1	72.9	48.6	30.4	21.3	12.1
-52.5°	232.4	192.9	154.9	129.1	106.3	92.6	71.4	45.6	30.4	21.3	12.1
-55°	218.7	182.2	148.8	124.5	109.3	95.7	68.3	41.0	30.4	21.3	12.1
-57.5°	208.1	176.2	144.3	126.1	113.9	92.6	63.8	39.5	30.4	19.7	12.1
-60°	200.5	170.1	145.8	132.1	115.4	88.1	60.7	39.5	30.4	19.7	10.6
-62.5°	194.4	171.6	153.4	136.7	109.3	82.0	57.7	39.5	27.3	18.2	10.6
-65°	195.9	177.7	156.4	130.6	104.8	75.9	53.2	38.0	25.8	16.7	10.6
-67.5°	200.5	173.1	147.3	123.0	94.2	68.3	48.6	34.9	24.3	16.7	10.6
-70°	185.3	159.5	133.6	104.8	80.5	59.2	45.6	31.9	21.3	15.2	10.6
-72.5°	167.1	133.6	106.3	85.0	68.3	54.7	41.0	28.9	19.7	13.7	9.1
-75°	121.5	97.2	79.0	71.4	60.7	48.6	36.4	25.8	18.2	13.7	9.1
-77.5°	86.6	80.5	72.9	65.3	54.7	42.5	31.9	24.3	16.7	12.1	7.6
-80°	85.0	77.5	68.3	56.2	45.6	36.4	27.3	21.3	15.2	10.6	6.1
-82.5°	71.4	60.7	51.6	42.5	34.9	28.9	22.8	16.7	12.1	7.6	4.6
-85°	44.0	38.0	33.4	28.9	24.3	19.7	15.2	10.6	7.6	4.6	3.0
-87.5°	21.3	19.7	16.7	13.7	12.1	9.1	7.6	6.1	4.6	3.0	1.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P723839

CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
82.5°	1.5	0.0	0.0	0.0
80°	1.5	0.0	0.0	0.0
77.5°	1.5	0.0	0.0	0.0
75°	1.5	1.5	0.0	0.0
72.5°	1.5	1.5	0.0	0.0
70°	3.0	1.5	1.5	0.0
67.5°	3.0	1.5	1.5	0.0
65°	3.0	1.5	1.5	0.0
62.5°	3.0	1.5	1.5	0.0
60°	3.0	1.5	1.5	0.0
57.5°	3.0	1.5	1.5	0.0
55°	3.0	1.5	1.5	0.0
52.5°	3.0	1.5	1.5	0.0
50°	3.0	1.5	1.5	0.0
47.5°	3.0	3.0	1.5	0.0
45°	3.0	3.0	1.5	0.0
42.5°	3.0	3.0	1.5	0.0
40°	3.0	3.0	1.5	0.0
37.5°	3.0	3.0	1.5	0.0
35°	3.0	3.0	1.5	0.0
32.5°	4.6	3.0	1.5	0.0
30°	4.6	3.0	3.0	0.0
27.5°	4.6	3.0	3.0	0.0
25°	4.6	3.0	3.0	0.0
22.5°	4.6	3.0	3.0	0.0
20°	4.6	3.0	3.0	0.0
17.5°	4.6	3.0	3.0	0.0
15°	4.6	3.0	3.0	0.0
12.5°	4.6	3.0	3.0	0.0
10°	4.6	3.0	3.0	0.0
7.5°	4.6	3.0	3.0	0.0
5°	4.6	3.0	3.0	0.0
2.5°	4.6	3.0	3.0	0.0
0°	4.6	3.0	3.0	0.0
-2.5°	4.6	3.0	3.0	0.0
-5°	4.6	3.0	3.0	0.0
-7.5°	4.6	3.0	3.0	0.0
-10°	4.6	3.0	3.0	0.0
-12.5°	6.1	3.0	3.0	0.0
-15°	6.1	3.0	3.0	0.0
-17.5°	6.1	3.0	3.0	0.0
-20°	6.1	3.0	3.0	0.0



REPORT NUMBER: P723839

CATALOG NUMBER: IFLD-S-SA2D-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	6.1	3.0	3.0	0.0
-25°	6.1	3.0	3.0	0.0
-27.5°	6.1	3.0	3.0	0.0
-30°	6.1	3.0	3.0	0.0
-32.5°	6.1	3.0	3.0	0.0
-35°	6.1	3.0	3.0	0.0
-37.5°	6.1	3.0	3.0	0.0
-40°	6.1	3.0	3.0	0.0
-42.5°	4.6	3.0	1.5	0.0
-45°	6.1	3.0	1.5	0.0
-47.5°	6.1	3.0	1.5	0.0
-50°	6.1	3.0	1.5	0.0
-52.5°	6.1	3.0	1.5	0.0
-55°	6.1	3.0	1.5	0.0
-57.5°	6.1	3.0	1.5	0.0
-60°	6.1	3.0	1.5	0.0
-62.5°	6.1	3.0	1.5	0.0
-65°	6.1	3.0	1.5	0.0
-67.5°	6.1	3.0	1.5	0.0
-70°	6.1	1.5	1.5	0.0
-72.5°	4.6	1.5	1.5	0.0
-75°	4.6	1.5	1.5	0.0
-77.5°	3.0	1.5	0.0	0.0
-80°	3.0	1.5	0.0	0.0
-82.5°	3.0	1.5	0.0	0.0
-85°	1.5	0.0	0.0	0.0
-87.5°	1.5	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)