

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: P724257

Luminaire Tested: **IFLD-M-SA4A-830-U-22-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P724257
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-830-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

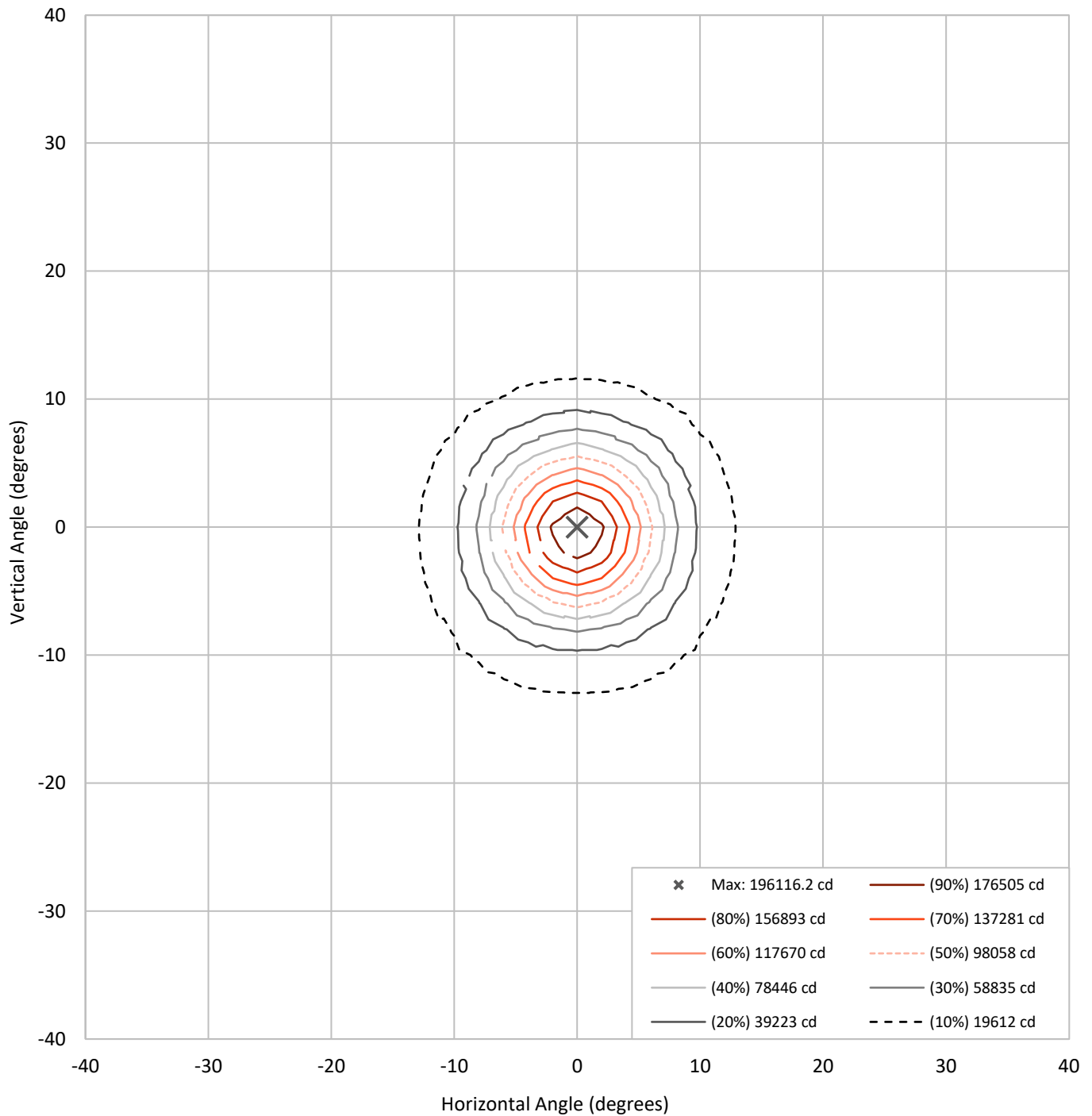
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	13698.8 lumens	Max Intensity:	196116.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	106.5 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	12.2°H x 11.7°V	Field Angle (10%):	25.1°H x 24.3°V
Beam Lumens:	4285.6 lumens	Field Lumens:	9751.3 lumens
Beam Efficiency:	31.3%	Field Efficiency:	71.2%

Input Watts (W): 128.6
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: P724257
CATALOG NUMBER: IFLD-M-SA4A-830-U-22-VI

Iso-Candela Plot





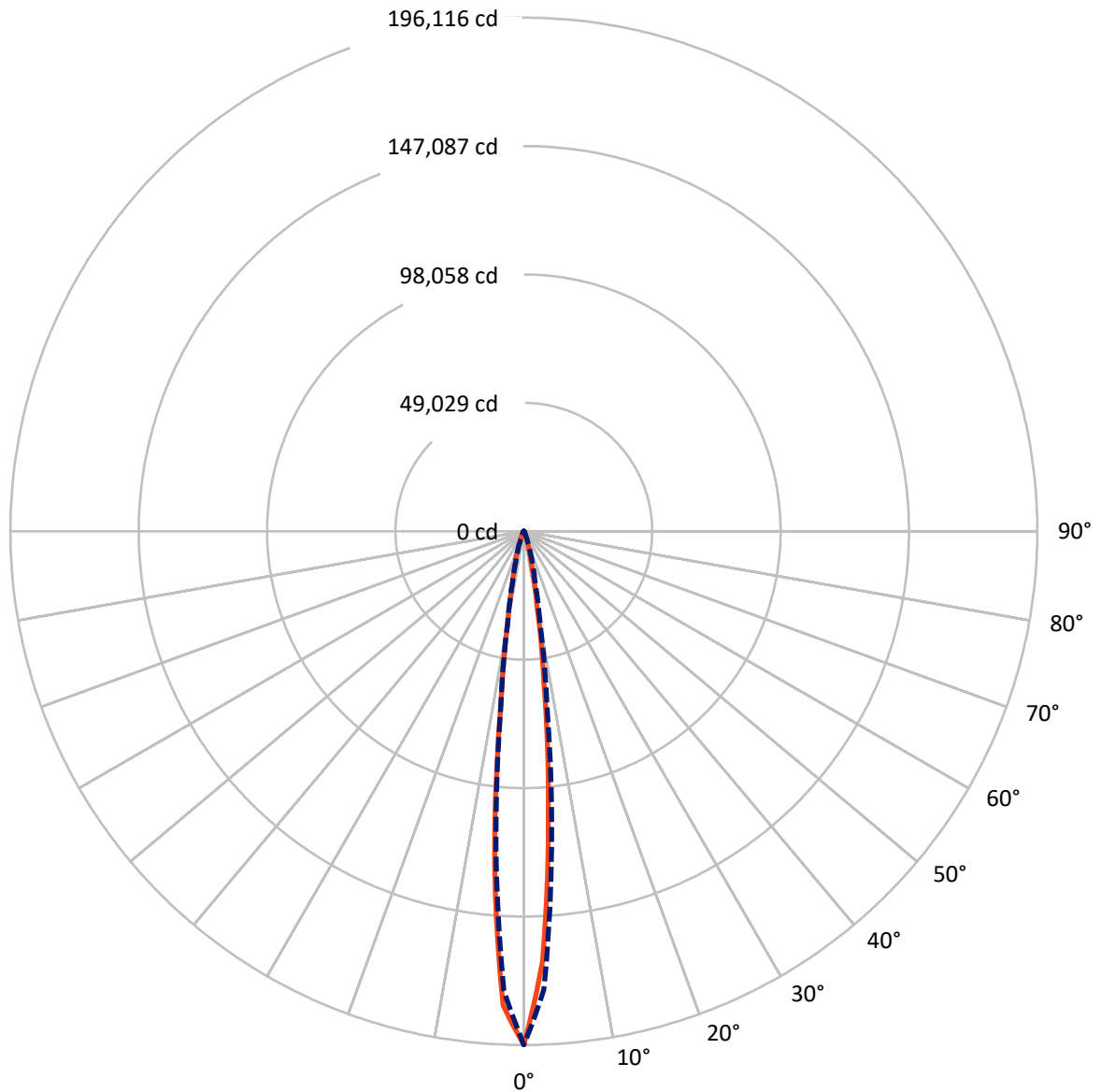
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Lumen Table

90	0.1	0.8	0.7	0.3	0.0	0.3	0.7	0.8	0.1										
80	0.1	0.8	0.7	0.3	0.0	0.3	0.7	0.8	0.1										
70	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1			
60		0.1	0.2	0.4	0.7	1.1	1.3	1.5	1.5	1.3	1.1	0.7	0.4	0.2	0.1				
50	0.1	0.1	0.4	1.1	1.9	2.8	3.6	4.3	4.3	3.6	2.8	1.9	1.1	0.4	0.1	0.1			
40		0.2	1.0	2.1	3.5	5.5	8.3	10.0	10.0	8.3	5.5	3.5	2.1	1.0	0.2				
30	0.1	0.4	1.5	3.0	5.5	9.5	18.3	29.5	29.5	18.3	9.5	5.5	3.0	1.5	0.4	0.1			
20		0.6	2.0	4.1	8.3	20.7	107.9	273.0	273.0	107.9	20.7	8.3	4.1	2.0	0.6				
10	0.2	0.8	2.3	4.8	10.2	42.0	347.6	2142.0	2142.0	347.6	42.0	10.2	4.8	2.3	0.8	0.2			
0		0.9	2.6	5.1	10.6	47.8	382.5	2358.9	2358.9	382.5	47.8	10.6	5.1	2.6	0.9				
-10	0.3	0.9	2.7	5.1	10.0	28.7	171.7	413.7	413.7	171.7	28.7	10.0	5.1	2.7	0.9	0.3			
-20		0.9	2.6	4.8	8.4	14.6	35.5	66.7	66.7	35.5	14.6	8.4	4.8	2.6	0.9				
-30	0.3	0.8	2.4	4.5	7.0	10.4	14.6	17.2	17.2	14.6	10.4	7.0	4.5	2.4	0.8	0.3			
-40		0.7	2.1	4.0	6.1	8.1	10.2	11.3	11.3	10.2	8.1	6.1	4.0	2.1	0.7				
-50	0.2	0.6	1.7	3.4	5.3	7.0	8.6	9.4	9.4	8.6	7.0	5.3	3.4	1.7	0.6	0.2			
-60		0.5	1.2	2.5	4.1	5.6	7.1	7.9	7.9	7.1	5.6	4.1	2.5	1.2	0.5				
-70	0.1	1.9	5.1	9.5	11.4	9.5	5.1	1.9	0.1							0.1			
-80		1.9	5.1	9.5	11.4	9.5	5.1	1.9	0.1										
-90	0.1	1.9	5.1	9.5	11.4	9.5	5.1	1.9	0.1										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P724257
CATALOG NUMBER: IFLD-M-SA4A-830-U-22-VI

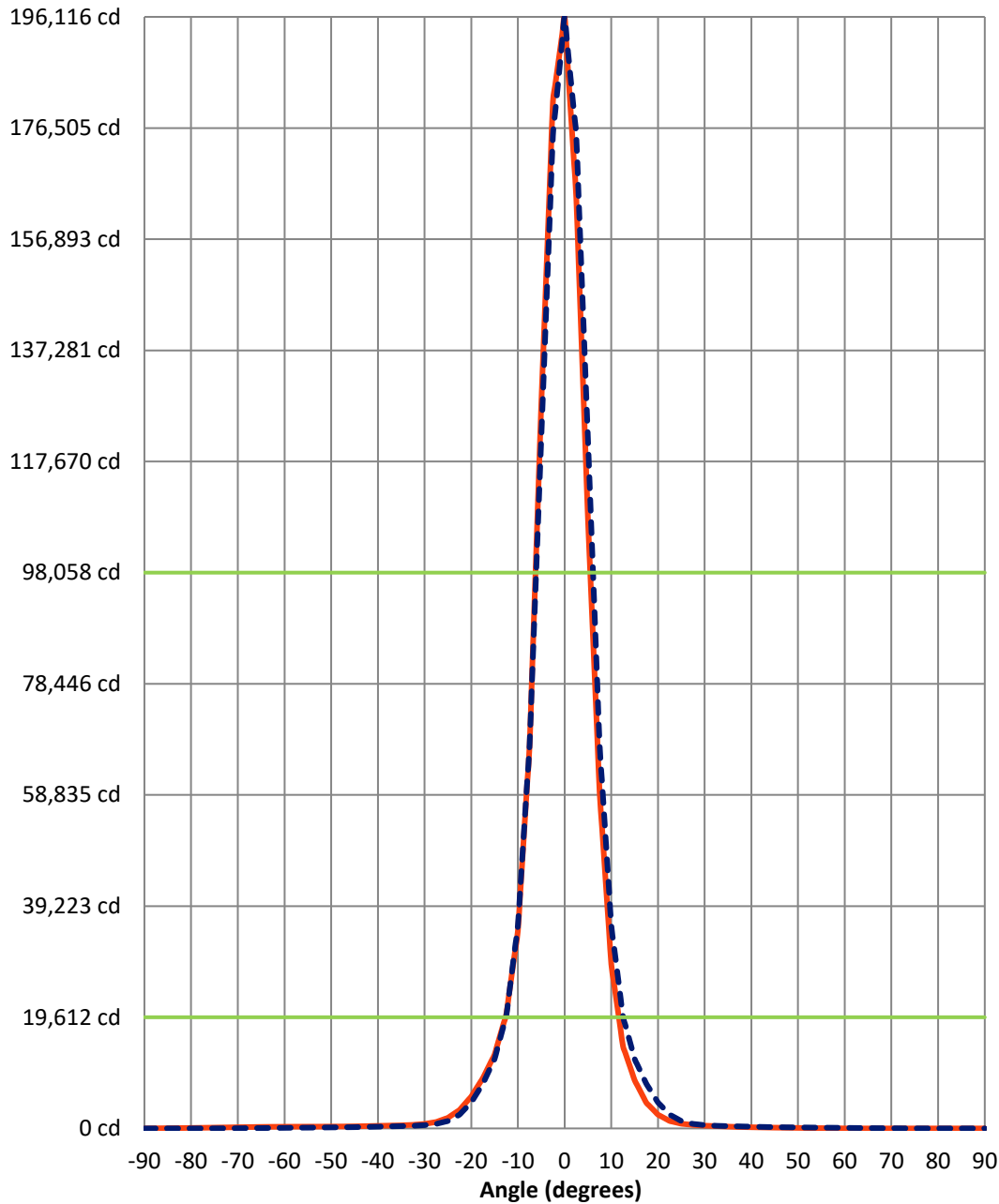
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P724257
CATALOG NUMBER: IFLD-M-SA4A-830-U-22-VI

Luminous Intensity Plot



Beam:
H Angle: 12.2°
V Angle: 11.7°
Lumens: 4285.6
Efficiency: 31.3%

Field:
H Angle: 25.1°
V Angle: 24.3°
Lumens: 9751.3
Efficiency: 71.2%

Spill:
Lumens: 3947.5
Efficiency: 28.8%

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



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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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
85°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	4.9	4.9
82.5°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	4.9	4.9	4.9
80°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	4.9	4.9	4.9
77.5°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	4.9
75°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
65°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
62.5°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
60°	4.9	4.9	4.9	4.9	7.4	7.4	9.8	9.8	9.8	4.9	9.8
57.5°	39.3	39.3	36.8	34.4	31.9	29.5	29.5	29.5	29.5	29.5	24.5
55°	54.0	54.0	54.0	51.5	51.5	49.1	46.6	44.2	44.2	41.7	39.3
52.5°	63.8	63.8	63.8	63.8	61.4	61.4	61.4	58.9	54.0	54.0	51.5
50°	90.8	88.4	88.4	88.4	88.4	83.4	81.0	76.1	73.6	71.2	68.7
47.5°	117.8	117.8	115.3	115.3	112.9	108.0	103.1	98.2	93.3	90.8	85.9
45°	139.9	139.9	137.4	137.4	135.0	130.1	122.7	115.3	110.4	105.5	100.6
42.5°	171.8	169.3	166.9	164.4	159.5	152.2	142.3	132.5	125.2	117.8	112.9
40°	206.2	206.2	203.7	201.2	193.9	186.5	174.2	162.0	149.7	135.0	127.6
37.5°	247.9	250.3	252.8	252.8	247.9	238.1	220.9	206.2	186.5	166.9	157.1
35°	324.0	324.0	328.9	328.9	321.5	309.2	297.0	265.1	240.5	216.0	193.9
32.5°	407.4	409.8	400.0	392.7	382.9	368.1	346.0	319.0	292.0	260.1	235.6
30°	488.4	488.4	476.1	461.4	441.8	417.2	390.2	360.8	328.9	297.0	267.5
27.5°	616.0	603.7	593.9	569.4	535.0	488.4	454.0	407.4	365.7	328.9	297.0
25°	827.1	824.6	802.5	760.8	692.1	618.5	562.0	483.5	419.7	363.2	326.4
22.5°	1315.4	1298.3	1246.7	1143.6	981.7	854.1	738.7	616.0	500.7	424.6	365.7
20°	2432.1	2375.6	2238.2	1953.5	1590.3	1340.0	1052.8	846.7	652.8	510.5	422.1
17.5°	4537.8	4501.0	4449.4	3791.7	3053.0	2522.9	1877.4	1298.3	927.7	667.5	500.7
15°	8506.2	8233.8	7664.4	6876.6	5843.4	4515.7	3320.5	2095.9	1325.3	888.4	635.6
12.5°	14541.0	14239.2	12769.1	10798.4	8940.6	7050.9	4950.1	3185.5	1887.3	1128.9	753.4
10°	28974.1	26782.5	22666.8	16916.7	13203.5	9846.2	6950.2	4346.4	2456.6	1425.9	893.3
7.5°	59344.6	52183.3	40211.8	28387.5	18374.5	12913.9	8876.8	5683.9	3273.9	1784.2	1020.9
5°	107559.4	94854.1	71460.9	43029.2	26681.9	16185.3	10533.3	6758.8	3875.2	2076.2	1148.6
2.5°	164236.3	147800.7	103313.7	59167.9	32900.8	18718.0	11691.7	7465.6	4258.0	2275.0	1246.7
0°	196116.2	175182.0	121668.5	67740.3	35863.0	19793.0	12258.6	7890.2	4582.0	2437.0	1310.5
-2.5°	181162.8	164310.0	111815.0	62925.2	34270.2	19321.8	12339.6	7995.7	4636.0	2481.2	1340.0
-5°	127683.7	113852.0	77368.1	46435.6	29077.2	17797.7	11642.6	7598.1	4486.2	2417.4	1327.7
-7.5°	67551.4	61293.2	45883.4	33367.1	21223.8	15063.8	10481.8	6893.8	4098.5	2245.6	1254.1
-10°	34900.9	33617.4	28969.2	21837.3	17174.4	12619.4	8945.5	5894.9	3426.0	1933.9	1128.9
-12.5°	20121.8	19903.4	18408.8	15802.5	13169.1	10366.5	7340.5	4807.7	2859.1	1602.6	952.2
-15°	13029.3	13122.5	12602.2	11517.5	10018.0	7757.7	5639.7	3575.7	2115.5	1298.3	839.3
-17.5°	8891.5	8867.0	8624.0	7880.4	6672.9	5239.7	3737.7	2525.4	1602.6	1011.1	697.0
-20°	5625.0	5634.8	5409.0	4896.1	4007.7	3229.7	2326.6	1703.2	1136.3	795.2	616.0



REPORT NUMBER: P724257
 CATALOG NUMBER: IFLD-M-SA4A-830-U-22-VI

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	3264.1	3271.4	3129.1	2839.5	2373.2	1914.3	1511.8	1126.5	836.9	662.6	539.9
-25°	1875.0	1845.5	1789.1	1649.2	1430.8	1180.5	1003.8	792.7	670.0	562.0	493.3
-27.5°	1136.3	1116.7	1087.2	1025.8	940.0	814.8	733.8	640.5	569.4	505.6	463.8
-30°	792.7	800.1	775.5	743.6	704.4	647.9	603.7	559.6	512.9	473.7	434.4
-32.5°	630.7	635.6	623.4	611.1	591.5	569.4	542.4	510.5	473.7	436.8	400.0
-35°	542.4	544.8	544.8	542.4	537.5	520.3	500.7	471.2	436.8	402.5	370.6
-37.5°	498.2	500.7	500.7	498.2	490.8	476.1	456.5	431.9	400.0	368.1	343.6
-40°	451.6	454.0	451.6	446.7	439.3	424.6	409.8	390.2	365.7	338.7	316.6
-42.5°	407.4	404.9	402.5	397.6	390.2	380.4	368.1	353.4	336.2	316.6	299.4
-45°	365.7	365.7	363.2	360.8	355.9	348.5	341.1	328.9	316.6	301.9	287.1
-47.5°	343.6	343.6	341.1	338.7	336.2	331.3	324.0	314.1	304.3	292.0	279.8
-50°	328.9	328.9	328.9	326.4	324.0	319.0	311.7	304.3	294.5	282.2	270.0
-52.5°	319.0	319.0	319.0	316.6	314.1	311.7	304.3	294.5	282.2	272.4	262.6
-55°	314.1	311.7	311.7	309.2	306.8	304.3	294.5	284.7	274.9	265.1	255.2
-57.5°	306.8	304.3	304.3	301.9	299.4	297.0	287.1	277.3	267.5	255.2	247.9
-60°	299.4	297.0	297.0	292.0	289.6	287.1	277.3	267.5	257.7	247.9	238.1
-62.5°	289.6	287.1	284.7	282.2	277.3	272.4	265.1	255.2	243.0	233.1	223.3
-65°	267.5	265.1	262.6	260.1	257.7	255.2	247.9	235.6	225.8	216.0	206.2
-67.5°	240.5	240.5	240.5	235.6	233.1	228.2	223.3	213.5	203.7	193.9	186.5
-70°	208.6	208.6	208.6	203.7	201.2	198.8	191.4	184.1	176.7	169.3	159.5
-72.5°	176.7	174.2	174.2	171.8	166.9	164.4	159.5	154.6	147.3	142.3	135.0
-75°	144.8	142.3	142.3	139.9	137.4	135.0	130.1	127.6	122.7	117.8	110.4
-77.5°	115.3	115.3	115.3	112.9	110.4	108.0	105.5	103.1	100.6	95.7	90.8
-80°	88.4	88.4	88.4	88.4	88.4	88.4	88.4	85.9	81.0	78.5	76.1
-82.5°	63.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	63.8	61.4	58.9
-85°	41.7	44.2	44.2	46.6	49.1	49.1	51.5	49.1	46.6	41.7	39.3
-87.5°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	19.6	19.6	19.6	17.2
-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: P724257
 CATALOG NUMBER: IFLD-M-SA4A-830-U-22-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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	4.9
85°	4.9	4.9	4.9	4.9	7.4	7.4	7.4	9.8	9.8	9.8	9.8
82.5°	4.9	7.4	7.4	7.4	9.8	9.8	12.3	14.7	19.6	22.1	22.1
80°	4.9	7.4	7.4	7.4	9.8	9.8	12.3	12.3	14.7	17.2	22.1
77.5°	4.9	4.9	7.4	7.4	7.4	9.8	9.8	12.3	12.3	14.7	17.2
75°	2.5	4.9	4.9	4.9	7.4	7.4	9.8	9.8	12.3	12.3	14.7
72.5°	2.5	4.9	4.9	4.9	7.4	7.4	9.8	9.8	9.8	12.3	12.3
70°	2.5	4.9	4.9	4.9	4.9	7.4	7.4	7.4	9.8	9.8	9.8
67.5°	2.5	2.5	2.5	4.9	4.9	4.9	4.9	7.4	7.4	7.4	9.8
65°	2.5	2.5	2.5	2.5	4.9	4.9	4.9	4.9	7.4	7.4	7.4
62.5°	2.5	2.5	2.5	4.9	4.9	4.9	4.9	4.9	7.4	7.4	7.4
60°	9.8	9.8	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
57.5°	22.1	22.1	19.6	17.2	14.7	14.7	12.3	9.8	9.8	7.4	7.4
55°	36.8	34.4	31.9	27.0	24.5	22.1	19.6	14.7	12.3	9.8	7.4
52.5°	46.6	44.2	41.7	39.3	34.4	29.5	27.0	24.5	19.6	14.7	12.3
50°	68.7	61.4	56.4	51.5	46.6	41.7	36.8	34.4	27.0	22.1	17.2
47.5°	83.4	78.5	71.2	66.3	61.4	54.0	46.6	41.7	36.8	29.5	22.1
45°	95.7	90.8	83.4	78.5	73.6	66.3	58.9	51.5	46.6	39.3	29.5
42.5°	108.0	103.1	95.7	90.8	83.4	76.1	68.7	61.4	54.0	49.1	39.3
40°	125.2	117.8	108.0	103.1	98.2	88.4	78.5	71.2	63.8	56.4	46.6
37.5°	147.3	139.9	127.6	117.8	110.4	103.1	93.3	83.4	76.1	66.3	56.4
35°	181.6	169.3	152.2	137.4	127.6	117.8	105.5	95.7	85.9	76.1	66.3
32.5°	216.0	196.3	174.2	157.1	142.3	130.1	117.8	108.0	95.7	83.4	73.6
30°	243.0	220.9	198.8	174.2	157.1	142.3	130.1	117.8	105.5	93.3	81.0
27.5°	270.0	245.4	220.9	196.3	171.8	152.2	139.9	127.6	115.3	103.1	88.4
25°	297.0	270.0	245.4	218.4	189.0	166.9	149.7	139.9	127.6	112.9	95.7
22.5°	321.5	297.0	272.4	243.0	208.6	179.2	162.0	149.7	137.4	120.3	105.5
20°	368.1	336.2	306.8	270.0	230.7	201.2	179.2	162.0	147.3	130.1	112.9
17.5°	429.5	382.9	343.6	301.9	262.6	225.8	193.9	174.2	159.5	139.9	120.3
15°	508.0	427.0	377.9	336.2	289.6	247.9	213.5	186.5	166.9	147.3	130.1
12.5°	566.9	461.4	407.4	368.1	319.0	272.4	228.2	196.3	174.2	154.6	135.0
10°	633.2	498.2	431.9	387.8	336.2	284.7	238.1	203.7	179.2	162.0	142.3
7.5°	687.2	527.6	444.2	395.1	346.0	294.5	247.9	211.1	186.5	166.9	147.3
5°	736.3	552.2	454.0	397.6	350.9	301.9	252.8	216.0	191.4	171.8	152.2
2.5°	770.6	574.3	463.8	402.5	355.9	306.8	260.1	220.9	196.3	176.7	157.1
0°	800.1	581.6	461.4	402.5	358.3	306.8	262.6	223.3	198.8	179.2	159.5
-2.5°	809.9	593.9	473.7	407.4	363.2	311.7	267.5	225.8	201.2	181.6	164.4
-5°	809.9	584.1	473.7	412.3	365.7	314.1	267.5	228.2	203.7	184.1	164.4
-7.5°	780.4	569.4	471.2	417.2	368.1	316.6	267.5	230.7	206.2	186.5	166.9
-10°	728.9	547.3	468.7	419.7	368.1	314.1	267.5	230.7	206.2	186.5	169.3
-12.5°	645.4	517.8	456.5	414.8	363.2	309.2	265.1	230.7	206.2	189.0	169.3
-15°	603.7	493.3	441.8	400.0	350.9	301.9	260.1	228.2	206.2	189.0	171.8
-17.5°	547.3	473.7	427.0	385.3	341.1	294.5	255.2	228.2	206.2	186.5	171.8
-20°	508.0	451.6	409.8	373.0	328.9	287.1	252.8	225.8	206.2	186.5	171.8



REPORT NUMBER: P724257
 CATALOG NUMBER: IFLD-M-SA4A-830-U-22-VI

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	473.7	427.0	390.2	353.4	314.1	277.3	247.9	223.3	203.7	186.5	171.8
-25°	446.7	404.9	370.6	336.2	301.9	270.0	243.0	220.9	201.2	186.5	169.3
-27.5°	422.1	382.9	350.9	319.0	287.1	262.6	238.1	218.4	201.2	184.1	166.9
-30°	395.1	363.2	331.3	301.9	279.8	255.2	233.1	213.5	198.8	181.6	164.4
-32.5°	368.1	338.7	311.7	289.6	270.0	250.3	230.7	211.1	193.9	176.7	159.5
-35°	343.6	316.6	297.0	277.3	262.6	245.4	225.8	206.2	191.4	174.2	159.5
-37.5°	319.0	299.4	282.2	267.5	252.8	238.1	218.4	201.2	186.5	169.3	152.2
-40°	299.4	284.7	272.4	260.1	245.4	228.2	213.5	196.3	181.6	164.4	144.8
-42.5°	287.1	274.9	262.6	250.3	238.1	223.3	208.6	191.4	176.7	159.5	139.9
-45°	274.9	265.1	255.2	245.4	233.1	218.4	201.2	184.1	169.3	152.2	137.4
-47.5°	267.5	257.7	247.9	240.5	230.7	211.1	196.3	179.2	162.0	147.3	130.1
-50°	260.1	250.3	243.0	233.1	220.9	203.7	189.0	171.8	157.1	139.9	125.2
-52.5°	252.8	243.0	233.1	223.3	211.1	196.3	181.6	166.9	149.7	132.5	117.8
-55°	245.4	235.6	225.8	216.0	203.7	191.4	176.7	157.1	139.9	122.7	108.0
-57.5°	238.1	230.7	218.4	206.2	193.9	181.6	164.4	147.3	130.1	112.9	100.6
-60°	228.2	218.4	208.6	193.9	181.6	166.9	152.2	137.4	120.3	105.5	93.3
-62.5°	213.5	203.7	193.9	179.2	166.9	154.6	142.3	125.2	112.9	98.2	85.9
-65°	196.3	186.5	176.7	164.4	152.2	139.9	130.1	115.3	103.1	90.8	81.0
-67.5°	176.7	166.9	159.5	147.3	137.4	125.2	115.3	103.1	90.8	81.0	71.2
-70°	152.2	144.8	137.4	127.6	117.8	108.0	98.2	88.4	78.5	71.2	61.4
-72.5°	130.1	122.7	115.3	108.0	100.6	90.8	83.4	76.1	68.7	61.4	56.4
-75°	105.5	100.6	95.7	90.8	83.4	76.1	71.2	63.8	58.9	54.0	51.5
-77.5°	88.4	83.4	78.5	73.6	68.7	63.8	58.9	54.0	51.5	49.1	46.6
-80°	71.2	68.7	66.3	61.4	58.9	54.0	51.5	46.6	46.6	46.6	46.6
-82.5°	56.4	54.0	51.5	49.1	46.6	44.2	44.2	41.7	44.2	44.2	41.7
-85°	39.3	36.8	34.4	34.4	31.9	31.9	29.5	29.5	29.5	27.0	27.0
-87.5°	17.2	17.2	17.2	17.2	14.7	14.7	14.7	14.7	14.7	12.3	12.3
-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: P724257
 CATALOG NUMBER: IFLD-M-SA4A-830-U-22-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°	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0
85°	9.8	9.8	7.4	7.4	7.4	4.9	4.9	2.5	2.5	2.5	2.5
82.5°	22.1	19.6	17.2	14.7	12.3	9.8	7.4	4.9	4.9	2.5	2.5
80°	27.0	27.0	27.0	24.5	19.6	14.7	9.8	7.4	4.9	2.5	2.5
77.5°	19.6	19.6	22.1	24.5	24.5	19.6	12.3	7.4	4.9	4.9	2.5
75°	14.7	14.7	14.7	17.2	19.6	19.6	14.7	9.8	4.9	4.9	2.5
72.5°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	9.8	7.4	4.9	4.9
70°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	9.8	7.4	4.9	4.9
67.5°	9.8	9.8	12.3	12.3	12.3	9.8	9.8	9.8	7.4	4.9	4.9
65°	7.4	9.8	9.8	12.3	9.8	9.8	9.8	7.4	7.4	4.9	4.9
62.5°	7.4	7.4	9.8	9.8	9.8	9.8	7.4	7.4	7.4	4.9	4.9
60°	7.4	7.4	7.4	9.8	7.4	7.4	7.4	7.4	7.4	4.9	4.9
57.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	4.9	4.9	4.9	4.9
55°	7.4	7.4	7.4	7.4	7.4	7.4	4.9	4.9	4.9	4.9	4.9
52.5°	9.8	7.4	7.4	7.4	7.4	7.4	4.9	4.9	4.9	4.9	4.9
50°	12.3	7.4	7.4	7.4	7.4	4.9	4.9	4.9	4.9	4.9	4.9
47.5°	17.2	12.3	9.8	7.4	7.4	4.9	4.9	4.9	4.9	4.9	2.5
45°	24.5	17.2	12.3	9.8	7.4	4.9	4.9	4.9	4.9	4.9	2.5
42.5°	29.5	22.1	14.7	12.3	9.8	7.4	4.9	4.9	4.9	2.5	2.5
40°	36.8	29.5	19.6	14.7	9.8	7.4	4.9	4.9	4.9	2.5	2.5
37.5°	46.6	36.8	24.5	17.2	12.3	7.4	7.4	4.9	4.9	2.5	2.5
35°	54.0	41.7	31.9	19.6	14.7	9.8	7.4	4.9	4.9	2.5	2.5
32.5°	61.4	49.1	39.3	24.5	17.2	12.3	9.8	4.9	4.9	2.5	2.5
30°	68.7	56.4	44.2	31.9	22.1	14.7	9.8	4.9	4.9	2.5	2.5
27.5°	76.1	61.4	49.1	36.8	24.5	17.2	12.3	7.4	4.9	2.5	2.5
25°	83.4	68.7	54.0	41.7	27.0	19.6	12.3	7.4	4.9	4.9	2.5
22.5°	88.4	76.1	61.4	46.6	31.9	22.1	14.7	9.8	4.9	4.9	2.5
20°	95.7	83.4	66.3	51.5	36.8	24.5	14.7	9.8	4.9	4.9	2.5
17.5°	103.1	88.4	71.2	56.4	41.7	27.0	17.2	12.3	4.9	4.9	2.5
15°	110.4	93.3	76.1	58.9	44.2	29.5	17.2	12.3	4.9	4.9	2.5
12.5°	117.8	100.6	81.0	63.8	46.6	31.9	19.6	14.7	7.4	4.9	2.5
10°	122.7	105.5	85.9	66.3	49.1	36.8	22.1	14.7	7.4	4.9	2.5
7.5°	130.1	110.4	90.8	71.2	51.5	39.3	24.5	14.7	7.4	4.9	2.5
5°	132.5	115.3	93.3	76.1	54.0	41.7	27.0	17.2	7.4	4.9	2.5
2.5°	135.0	120.3	95.7	78.5	56.4	41.7	27.0	17.2	9.8	4.9	2.5
0°	137.4	122.7	98.2	81.0	58.9	44.2	29.5	17.2	9.8	4.9	2.5
-2.5°	139.9	125.2	103.1	83.4	61.4	46.6	31.9	17.2	9.8	4.9	2.5
-5°	142.3	125.2	108.0	85.9	63.8	46.6	31.9	19.6	12.3	4.9	2.5
-7.5°	144.8	127.6	110.4	88.4	66.3	46.6	34.4	19.6	12.3	7.4	2.5
-10°	147.3	130.1	112.9	90.8	66.3	49.1	34.4	19.6	12.3	7.4	2.5
-12.5°	149.7	132.5	112.9	90.8	68.7	49.1	34.4	22.1	12.3	7.4	2.5
-15°	152.2	132.5	112.9	90.8	68.7	51.5	36.8	22.1	12.3	7.4	4.9
-17.5°	152.2	132.5	112.9	93.3	68.7	51.5	36.8	22.1	12.3	7.4	4.9
-20°	152.2	132.5	112.9	93.3	68.7	51.5	36.8	22.1	12.3	7.4	4.9



REPORT NUMBER: P724257
 CATALOG NUMBER: IFLD-M-SA4A-830-U-22-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	149.7	130.1	112.9	90.8	68.7	51.5	36.8	22.1	14.7	7.4	4.9
-25°	149.7	130.1	112.9	90.8	68.7	51.5	34.4	22.1	14.7	7.4	4.9
-27.5°	147.3	130.1	110.4	88.4	66.3	49.1	34.4	22.1	14.7	7.4	4.9
-30°	144.8	127.6	108.0	85.9	66.3	49.1	34.4	22.1	14.7	7.4	4.9
-32.5°	142.3	122.7	105.5	83.4	63.8	46.6	34.4	22.1	14.7	7.4	4.9
-35°	137.4	120.3	100.6	81.0	61.4	46.6	31.9	22.1	14.7	9.8	4.9
-37.5°	132.5	115.3	98.2	78.5	58.9	44.2	31.9	22.1	14.7	9.8	4.9
-40°	127.6	112.9	93.3	73.6	56.4	41.7	31.9	22.1	14.7	9.8	7.4
-42.5°	122.7	108.0	90.8	71.2	56.4	41.7	29.5	22.1	14.7	9.8	7.4
-45°	120.3	105.5	85.9	68.7	54.0	41.7	29.5	19.6	14.7	9.8	7.4
-47.5°	115.3	98.2	81.0	66.3	51.5	39.3	27.0	19.6	14.7	9.8	7.4
-50°	108.0	93.3	78.5	63.8	49.1	36.8	27.0	19.6	14.7	9.8	7.4
-52.5°	100.6	85.9	73.6	58.9	46.6	36.8	27.0	19.6	14.7	9.8	7.4
-55°	93.3	81.0	68.7	56.4	44.2	34.4	24.5	19.6	14.7	9.8	7.4
-57.5°	88.4	76.1	63.8	51.5	41.7	31.9	24.5	17.2	12.3	9.8	7.4
-60°	83.4	71.2	58.9	49.1	39.3	31.9	24.5	17.2	12.3	9.8	4.9
-62.5°	76.1	66.3	54.0	46.6	36.8	29.5	22.1	17.2	12.3	9.8	4.9
-65°	68.7	58.9	49.1	41.7	34.4	27.0	22.1	17.2	12.3	9.8	4.9
-67.5°	61.4	54.0	46.6	39.3	31.9	27.0	22.1	17.2	12.3	7.4	4.9
-70°	56.4	49.1	41.7	36.8	31.9	24.5	22.1	17.2	12.3	7.4	4.9
-72.5°	49.1	44.2	39.3	34.4	29.5	27.0	22.1	17.2	9.8	7.4	4.9
-75°	46.6	41.7	36.8	34.4	31.9	27.0	22.1	14.7	9.8	7.4	4.9
-77.5°	46.6	41.7	39.3	36.8	31.9	27.0	19.6	12.3	7.4	7.4	4.9
-80°	46.6	44.2	41.7	34.4	29.5	22.1	14.7	12.3	7.4	4.9	2.5
-82.5°	41.7	34.4	29.5	24.5	22.1	17.2	12.3	9.8	4.9	4.9	2.5
-85°	27.0	22.1	19.6	17.2	14.7	12.3	7.4	4.9	4.9	2.5	2.5
-87.5°	12.3	12.3	9.8	7.4	7.4	4.9	4.9	2.5	2.5	2.5	0.0
-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: P724257
 CATALOG NUMBER: IFLD-M-SA4A-830-U-22-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°	0.0	0.0	0.0	0.0
80°	2.5	0.0	0.0	0.0
77.5°	2.5	0.0	0.0	0.0
75°	2.5	2.5	0.0	0.0
72.5°	2.5	2.5	0.0	0.0
70°	2.5	2.5	0.0	0.0
67.5°	2.5	2.5	0.0	0.0
65°	2.5	2.5	0.0	0.0
62.5°	2.5	2.5	0.0	0.0
60°	2.5	2.5	0.0	0.0
57.5°	2.5	2.5	2.5	0.0
55°	2.5	2.5	2.5	0.0
52.5°	2.5	2.5	2.5	0.0
50°	2.5	2.5	2.5	0.0
47.5°	2.5	2.5	2.5	0.0
45°	2.5	2.5	2.5	0.0
42.5°	2.5	2.5	2.5	0.0
40°	2.5	2.5	2.5	0.0
37.5°	2.5	2.5	2.5	0.0
35°	2.5	2.5	2.5	0.0
32.5°	2.5	2.5	2.5	0.0
30°	2.5	2.5	2.5	0.0
27.5°	2.5	2.5	2.5	0.0
25°	2.5	2.5	2.5	0.0
22.5°	2.5	2.5	2.5	0.0
20°	2.5	2.5	2.5	0.0
17.5°	2.5	2.5	2.5	0.0
15°	2.5	2.5	2.5	0.0
12.5°	2.5	2.5	2.5	0.0
10°	2.5	2.5	2.5	0.0
7.5°	2.5	2.5	2.5	0.0
5°	2.5	2.5	2.5	0.0
2.5°	2.5	2.5	2.5	0.0
0°	2.5	2.5	2.5	0.0
-2.5°	2.5	2.5	2.5	0.0
-5°	2.5	2.5	2.5	0.0
-7.5°	2.5	2.5	2.5	0.0
-10°	2.5	2.5	2.5	0.0
-12.5°	2.5	2.5	2.5	0.0
-15°	2.5	2.5	2.5	0.0
-17.5°	2.5	2.5	2.5	0.0
-20°	2.5	2.5	2.5	0.0



REPORT NUMBER: P724257
CATALOG NUMBER: IFLD-M-SA4A-830-U-22-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	2.5	2.5	2.5	0.0
-25°	2.5	2.5	2.5	0.0
-27.5°	2.5	2.5	2.5	0.0
-30°	2.5	2.5	2.5	0.0
-32.5°	2.5	2.5	2.5	0.0
-35°	2.5	2.5	2.5	0.0
-37.5°	2.5	2.5	2.5	0.0
-40°	2.5	2.5	2.5	0.0
-42.5°	2.5	2.5	2.5	0.0
-45°	2.5	2.5	2.5	0.0
-47.5°	2.5	2.5	2.5	0.0
-50°	2.5	2.5	2.5	0.0
-52.5°	2.5	2.5	2.5	0.0
-55°	2.5	2.5	2.5	0.0
-57.5°	2.5	2.5	2.5	0.0
-60°	2.5	2.5	0.0	0.0
-62.5°	2.5	2.5	0.0	0.0
-65°	2.5	2.5	0.0	0.0
-67.5°	2.5	2.5	0.0	0.0
-70°	2.5	2.5	0.0	0.0
-72.5°	2.5	2.5	0.0	0.0
-75°	2.5	2.5	0.0	0.0
-77.5°	2.5	0.0	0.0	0.0
-80°	2.5	0.0	0.0	0.0
-82.5°	2.5	0.0	0.0	0.0
-85°	0.0	0.0	0.0	0.0
-87.5°	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)