

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: P724258

Luminaire Tested: **IFLD-M-SA4B-830-U-22-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P724258
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-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

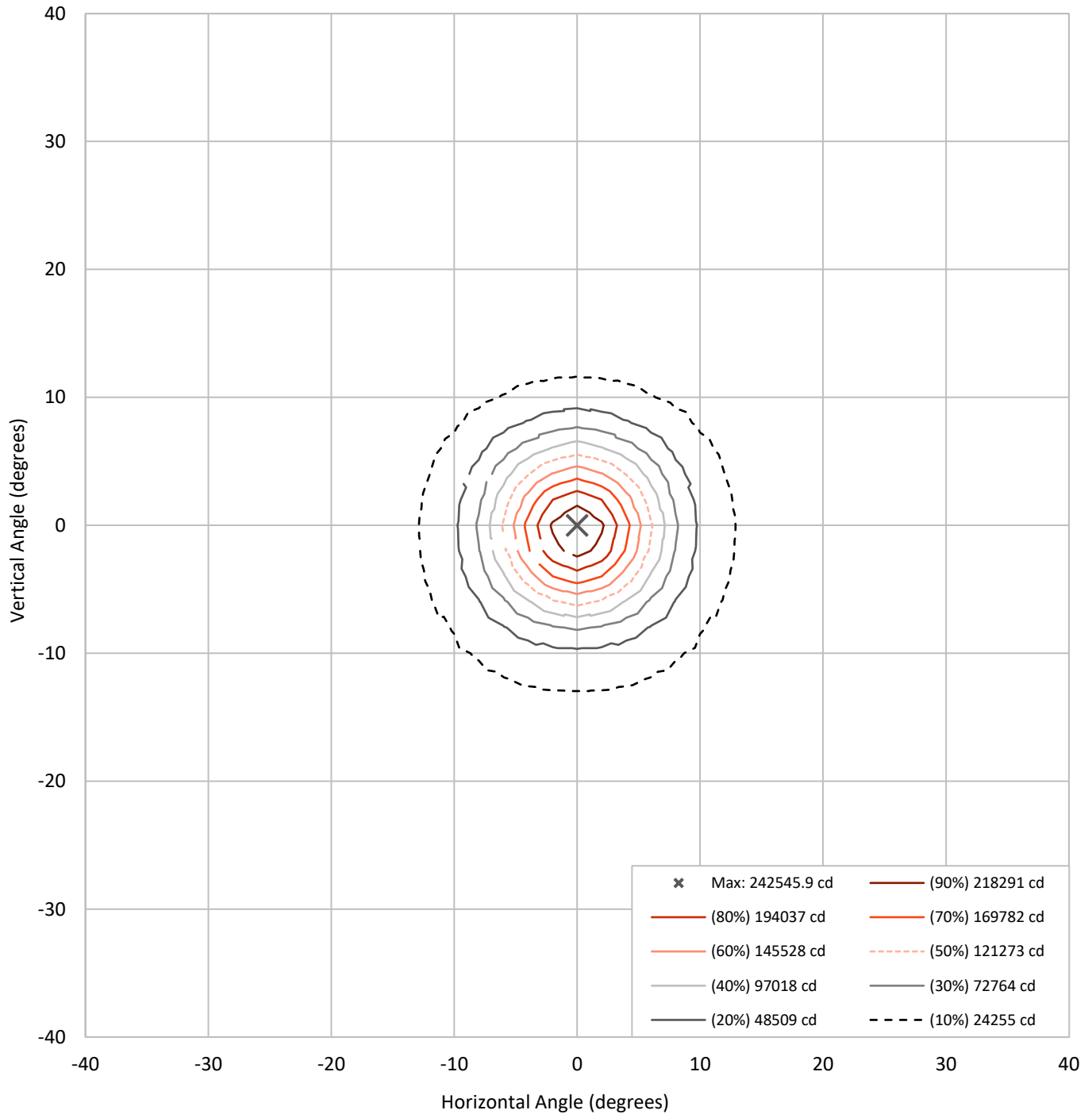
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	16941.9 lumens	Max Intensity:	242545.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	102.0 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	12.2°H x 11.7°V	Field Angle (10%):	25.1°H x 24.3°V
Beam Lumens:	5300.2 lumens	Field Lumens:	12059.9 lumens
Beam Efficiency:	31.3%	Field Efficiency:	71.2%

Input Watts (W): 166.1
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



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Iso-Candela Plot





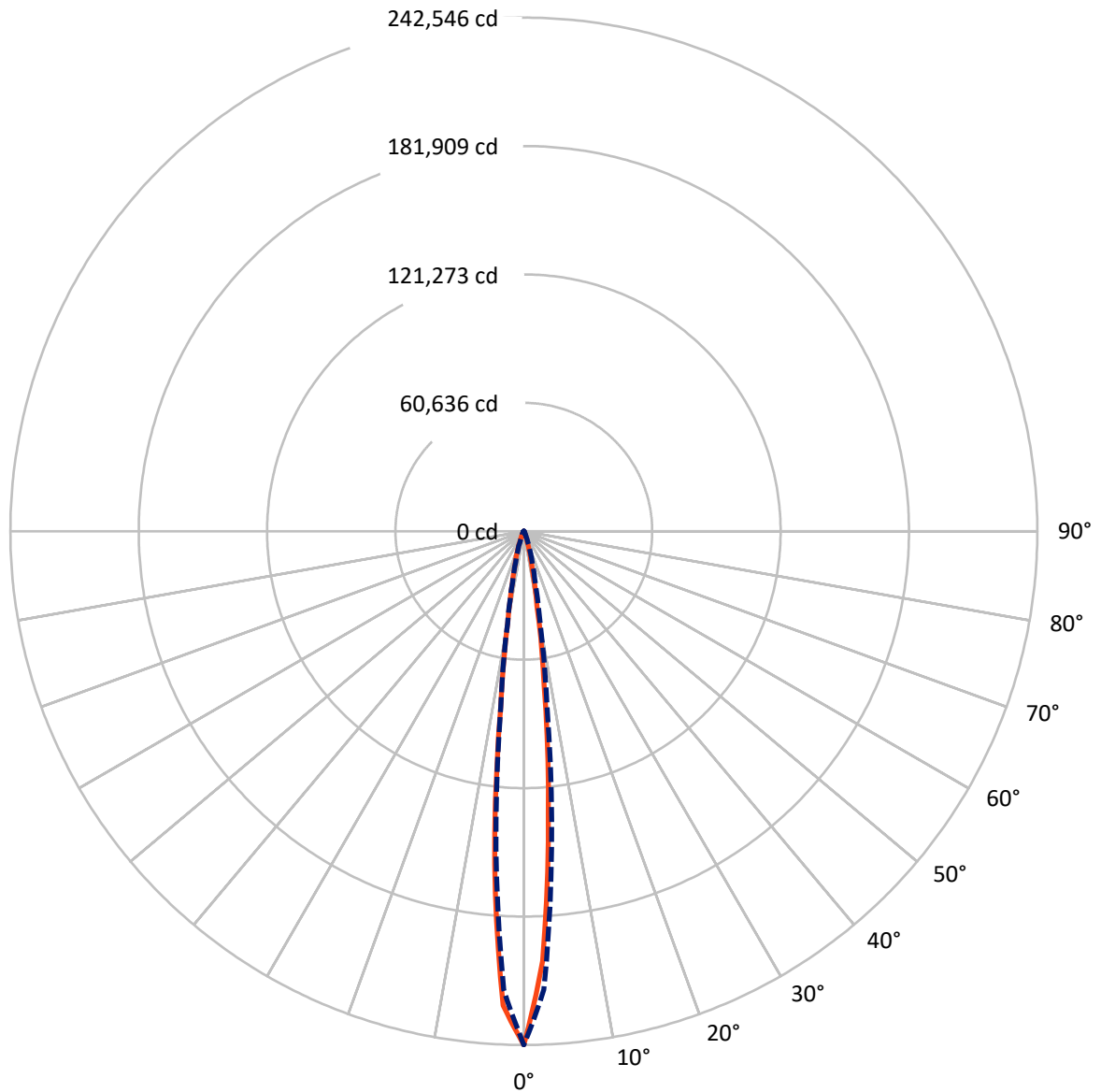
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Lumen Table

90	0.1	1.0	0.9	0.4	0.0	0.4	0.9	1.0	0.1										
80	0.1	1.0	0.9	0.4	0.0	0.4	0.9	1.0	0.1										
70	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1			
60		0.1	0.2	0.5	0.9	1.3	1.6	1.9	1.9	1.6	1.3	0.9	0.5	0.2	0.1				
50	0.1	0.1	0.5	1.4	2.4	3.4	4.5	5.3	5.3	4.5	3.4	2.4	1.4	0.5	0.1	0.1			
40		0.3	1.2	2.6	4.3	6.8	10.3	12.3	12.3	10.3	6.8	4.3	2.6	1.2	0.3				
30	0.2	0.5	1.8	3.7	6.8	11.7	22.6	36.5	36.5	22.6	11.7	6.8	3.7	1.8	0.5	0.2			
20		0.7	2.4	5.1	10.3	25.6	133.5	337.7	337.7	133.5	25.6	10.3	5.1	2.4	0.7				
10	0.3	0.9	2.9	6.0	12.6	51.9	429.9	2649.1	2649.1	429.9	51.9	12.6	6.0	2.9	0.9	0.3			
0		1.1	3.2	6.3	13.1	59.1	473.0	2917.4	2917.4	473.0	59.1	13.1	6.3	3.2	1.1				
-10	0.4	1.2	3.3	6.3	12.3	35.5	212.3	511.6	511.6	212.3	35.5	12.3	6.3	3.3	1.2	0.4			
-20		1.2	3.2	6.0	10.4	18.1	43.9	82.4	82.4	43.9	18.1	10.4	6.0	3.2	1.2				
-30	0.4	1.0	3.0	5.5	8.7	12.8	18.1	21.3	21.3	18.1	12.8	8.7	5.5	3.0	1.0	0.4			
-40		0.9	2.6	5.0	7.5	10.0	12.6	14.0	14.0	12.6	10.0	7.5	5.0	2.6	0.9				
-50	0.3	0.7	2.1	4.2	6.6	8.7	10.7	11.7	11.7	10.7	8.7	6.6	4.2	2.1	0.7	0.3			
-60		0.6	1.5	3.1	5.0	7.0	8.8	9.7	9.7	8.8	7.0	5.0	3.1	1.5	0.6				
-70	0.2	0.6	1.5	3.1	5.0	7.0	8.8	9.7	9.7	8.8	7.0	5.0	3.1	1.5	0.6	0.2			
-80		2.3	6.3	11.7	14.1	11.7	6.3	2.3	0.2										
-90	0.2	2.3	6.3	11.7	14.1	11.7	6.3	2.3	0.2										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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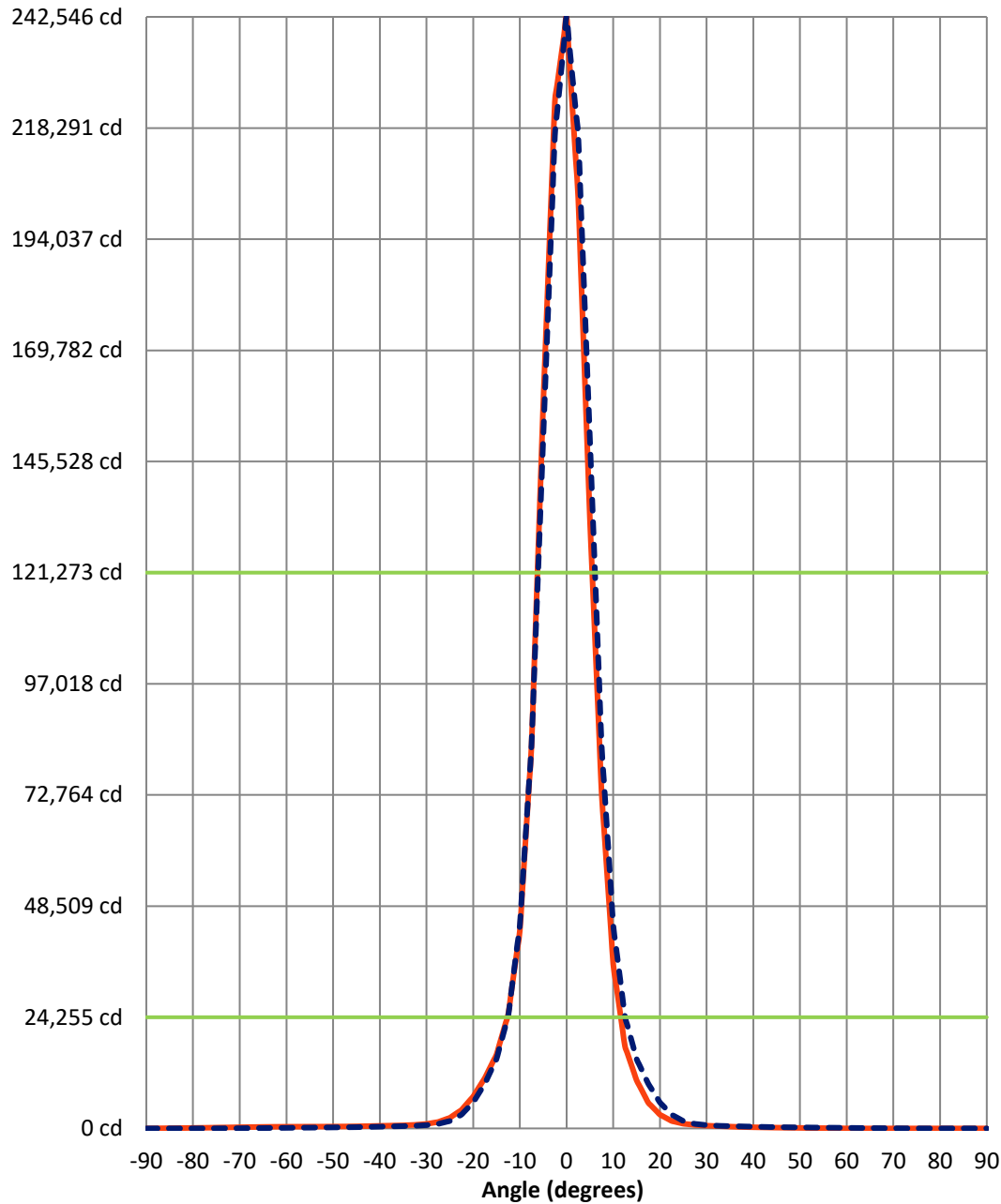
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 12.2°
 V Angle: 11.7°
 Lumens: 5300.2
 Efficiency: 31.3%

Field:
 H Angle: 25.1°
 V Angle: 24.3°
 Lumens: 12059.9
 Efficiency: 71.2%

Spill:
 Lumens: 4882
 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	3.0	3.0
85°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	6.1	6.1
82.5°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	6.1	6.1	6.1
80°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	6.1	6.1	6.1
77.5°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	6.1
75°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
72.5°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
70°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
67.5°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
65°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
62.5°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
60°	6.1	6.1	6.1	6.1	9.1	9.1	12.1	12.1	12.1	6.1	12.1
57.5°	48.6	48.6	45.5	42.5	39.5	36.4	36.4	36.4	36.4	36.4	30.4
55°	66.8	66.8	66.8	63.7	63.7	60.7	57.7	54.6	54.6	51.6	48.6
52.5°	78.9	78.9	78.9	78.9	75.9	75.9	75.9	72.8	66.8	66.8	63.7
50°	112.3	109.3	109.3	109.3	109.3	103.2	100.2	94.1	91.1	88.0	85.0
47.5°	145.7	145.7	142.7	142.7	139.6	133.5	127.5	121.4	115.3	112.3	106.2
45°	173.0	173.0	170.0	170.0	166.9	160.9	151.8	142.7	136.6	130.5	124.4
42.5°	212.5	209.4	206.4	203.4	197.3	188.2	176.0	163.9	154.8	145.7	139.6
40°	255.0	255.0	251.9	248.9	239.8	230.7	215.5	200.3	185.1	166.9	157.8
37.5°	306.6	309.6	312.6	312.6	306.6	294.4	273.2	255.0	230.7	206.4	194.3
35°	400.6	400.6	406.7	406.7	397.6	382.4	367.3	327.8	297.4	267.1	239.8
32.5°	503.8	506.9	494.7	485.6	473.5	455.3	428.0	394.6	361.2	321.7	291.4
30°	604.0	604.0	588.8	570.6	546.3	516.0	482.6	446.2	406.7	367.3	330.8
27.5°	761.8	746.7	734.5	704.2	661.7	604.0	561.5	503.8	452.2	406.7	367.3
25°	1022.9	1019.8	992.5	940.9	855.9	764.9	695.1	597.9	519.0	449.2	403.7
22.5°	1626.9	1605.6	1541.9	1414.4	1214.1	1056.2	913.6	761.8	619.2	525.1	452.2
20°	3007.9	2938.1	2768.1	2416.0	1966.8	1657.2	1302.1	1047.1	807.4	631.3	522.1
17.5°	5612.1	5566.6	5502.8	4689.4	3775.8	3120.2	2321.9	1605.6	1147.3	825.6	619.2
15°	10520.0	10183.1	9478.9	8504.6	7226.8	5584.8	4106.6	2592.1	1639.0	1098.7	786.1
12.5°	17983.6	17610.2	15792.1	13354.9	11057.2	8720.1	6122.0	3939.7	2334.1	1396.2	931.8
10°	35833.6	33123.1	28033.1	20921.6	16329.4	12177.2	8595.7	5375.3	3038.2	1763.5	1104.8
7.5°	73394.2	64537.5	49731.8	35108.2	22724.5	15971.2	10978.3	7029.5	4049.0	2206.6	1262.6
5°	133023.7	117310.5	88379.0	53216.2	32998.7	20017.1	13027.1	8358.9	4792.6	2567.8	1420.5
2.5°	203118.6	182791.9	127772.8	73175.6	40689.9	23149.5	14459.7	9233.1	5266.1	2813.6	1541.9
0°	242545.9	216655.6	150473.1	83777.6	44353.4	24478.9	15160.8	9758.2	5666.7	3014.0	1620.8
-2.5°	224052.4	203209.7	138286.8	77822.5	42383.5	23896.1	15261.0	9888.7	5733.5	3068.6	1657.2
-5°	157912.4	140806.0	95684.7	57429.0	35961.1	22011.3	14399.0	9397.0	5548.3	2989.7	1642.0
-7.5°	83543.9	75804.1	56746.1	41266.6	26248.4	18630.1	12963.3	8525.9	5068.8	2777.2	1551.0
-10°	43163.6	41576.2	35827.5	27007.2	21240.3	15607.0	11063.3	7290.6	4237.1	2391.7	1396.2
-12.5°	24885.6	24615.5	22767.0	19543.7	16286.9	12820.7	9078.3	5946.0	3536.0	1982.0	1177.7
-15°	16113.9	16229.2	15585.8	14244.2	12389.7	9594.3	6974.9	4422.3	2616.3	1605.6	1038.0
-17.5°	10996.5	10966.2	10665.7	9746.0	8252.7	6480.2	4622.6	3123.2	1982.0	1250.5	862.0
-20°	6956.7	6968.8	6689.6	6055.2	4956.5	3994.3	2877.4	2106.4	1405.3	983.4	761.8



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	4036.8	4045.9	3869.9	3511.7	2935.0	2367.5	1869.7	1393.2	1035.0	819.5	667.7
-25°	2318.9	2282.5	2212.7	2039.7	1769.5	1459.9	1241.4	980.4	828.6	695.1	610.1
-27.5°	1405.3	1381.0	1344.6	1268.7	1162.5	1007.7	907.5	792.2	704.2	625.3	573.7
-30°	980.4	989.5	959.1	919.7	871.1	801.3	746.7	692.0	634.4	585.8	537.2
-32.5°	780.0	786.1	770.9	755.8	731.5	704.2	670.8	631.3	585.8	540.3	494.7
-35°	670.8	673.8	673.8	670.8	664.7	643.5	619.2	582.8	540.3	497.8	458.3
-37.5°	616.1	619.2	619.2	616.1	607.0	588.8	564.5	534.2	494.7	455.3	424.9
-40°	558.5	561.5	558.5	552.4	543.3	525.1	506.9	482.6	452.2	418.9	391.5
-42.5°	503.8	500.8	497.8	491.7	482.6	470.5	455.3	437.1	415.8	391.5	370.3
-45°	452.2	452.2	449.2	446.2	440.1	431.0	421.9	406.7	391.5	373.3	355.1
-47.5°	424.9	424.9	421.9	418.9	415.8	409.8	400.6	388.5	376.4	361.2	346.0
-50°	406.7	406.7	406.7	403.7	400.6	394.6	385.5	376.4	364.2	349.0	333.9
-52.5°	394.6	394.6	394.6	391.5	388.5	385.5	376.4	364.2	349.0	336.9	324.8
-55°	388.5	385.5	385.5	382.4	379.4	376.4	364.2	352.1	339.9	327.8	315.7
-57.5°	379.4	376.4	376.4	373.3	370.3	367.3	355.1	343.0	330.8	315.7	306.6
-60°	370.3	367.3	367.3	361.2	358.2	355.1	343.0	330.8	318.7	306.6	294.4
-62.5°	358.2	355.1	352.1	349.0	343.0	336.9	327.8	315.7	300.5	288.3	276.2
-65°	330.8	327.8	324.8	321.7	318.7	315.7	306.6	291.4	279.2	267.1	255.0
-67.5°	297.4	297.4	297.4	291.4	288.3	282.3	276.2	264.1	251.9	239.8	230.7
-70°	258.0	258.0	258.0	251.9	248.9	245.9	236.7	227.6	218.5	209.4	197.3
-72.5°	218.5	215.5	215.5	212.5	206.4	203.4	197.3	191.2	182.1	176.0	166.9
-75°	179.1	176.0	176.0	173.0	170.0	166.9	160.9	157.8	151.8	145.7	136.6
-77.5°	142.7	142.7	142.7	139.6	136.6	133.5	130.5	127.5	124.4	118.4	112.3
-80°	109.3	109.3	109.3	109.3	109.3	109.3	109.3	106.2	100.2	97.1	94.1
-82.5°	78.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	78.9	75.9	72.8
-85°	51.6	54.6	54.6	57.7	60.7	60.7	63.7	60.7	57.7	51.6	48.6
-87.5°	27.3	27.3	27.3	27.3	27.3	27.3	27.3	24.3	24.3	24.3	21.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.1	6.1	6.1
85°	6.1	6.1	6.1	6.1	9.1	9.1	9.1	12.1	12.1	12.1	12.1
82.5°	6.1	9.1	9.1	9.1	12.1	12.1	15.2	18.2	24.3	27.3	27.3
80°	6.1	9.1	9.1	9.1	12.1	12.1	15.2	15.2	18.2	21.2	27.3
77.5°	6.1	6.1	9.1	9.1	9.1	12.1	12.1	15.2	15.2	18.2	21.2
75°	3.0	6.1	6.1	6.1	9.1	9.1	12.1	12.1	15.2	15.2	18.2
72.5°	3.0	6.1	6.1	6.1	9.1	9.1	12.1	12.1	12.1	15.2	15.2
70°	3.0	6.1	6.1	6.1	6.1	9.1	9.1	9.1	12.1	12.1	12.1
67.5°	3.0	3.0	3.0	6.1	6.1	6.1	6.1	9.1	9.1	9.1	12.1
65°	3.0	3.0	3.0	3.0	6.1	6.1	6.1	6.1	9.1	9.1	9.1
62.5°	3.0	3.0	3.0	6.1	6.1	6.1	6.1	6.1	9.1	9.1	9.1
60°	12.1	12.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
57.5°	27.3	27.3	24.3	21.2	18.2	18.2	15.2	12.1	12.1	9.1	9.1
55°	45.5	42.5	39.5	33.4	30.4	27.3	24.3	18.2	15.2	12.1	9.1
52.5°	57.7	54.6	51.6	48.6	42.5	36.4	33.4	30.4	24.3	18.2	15.2
50°	85.0	75.9	69.8	63.7	57.7	51.6	45.5	42.5	33.4	27.3	21.2
47.5°	103.2	97.1	88.0	82.0	75.9	66.8	57.7	51.6	45.5	36.4	27.3
45°	118.4	112.3	103.2	97.1	91.1	82.0	72.8	63.7	57.7	48.6	36.4
42.5°	133.5	127.5	118.4	112.3	103.2	94.1	85.0	75.9	66.8	60.7	48.6
40°	154.8	145.7	133.5	127.5	121.4	109.3	97.1	88.0	78.9	69.8	57.7
37.5°	182.1	173.0	157.8	145.7	136.6	127.5	115.3	103.2	94.1	82.0	69.8
35°	224.6	209.4	188.2	170.0	157.8	145.7	130.5	118.4	106.2	94.1	82.0
32.5°	267.1	242.8	215.5	194.3	176.0	160.9	145.7	133.5	118.4	103.2	91.1
30°	300.5	273.2	245.9	215.5	194.3	176.0	160.9	145.7	130.5	115.3	100.2
27.5°	333.9	303.5	273.2	242.8	212.5	188.2	173.0	157.8	142.7	127.5	109.3
25°	367.3	333.9	303.5	270.1	233.7	206.4	185.1	173.0	157.8	139.6	118.4
22.5°	397.6	367.3	336.9	300.5	258.0	221.6	200.3	185.1	170.0	148.7	130.5
20°	455.3	415.8	379.4	333.9	285.3	248.9	221.6	200.3	182.1	160.9	139.6
17.5°	531.2	473.5	424.9	373.3	324.8	279.2	239.8	215.5	197.3	173.0	148.7
15°	628.3	528.1	467.4	415.8	358.2	306.6	264.1	230.7	206.4	182.1	160.9
12.5°	701.1	570.6	503.8	455.3	394.6	336.9	282.3	242.8	215.5	191.2	166.9
10°	783.1	616.1	534.2	479.6	415.8	352.1	294.4	251.9	221.6	200.3	176.0
7.5°	849.9	652.6	549.4	488.7	428.0	364.2	306.6	261.0	230.7	206.4	182.1
5°	910.6	682.9	561.5	491.7	434.0	373.3	312.6	267.1	236.7	212.5	188.2
2.5°	953.1	710.2	573.7	497.8	440.1	379.4	321.7	273.2	242.8	218.5	194.3
0°	989.5	719.3	570.6	497.8	443.1	379.4	324.8	276.2	245.9	221.6	197.3
-2.5°	1001.6	734.5	585.8	503.8	449.2	385.5	330.8	279.2	248.9	224.6	203.4
-5°	1001.6	722.4	585.8	509.9	452.2	388.5	330.8	282.3	251.9	227.6	203.4
-7.5°	965.2	704.2	582.8	516.0	455.3	391.5	330.8	285.3	255.0	230.7	206.4
-10°	901.5	676.8	579.7	519.0	455.3	388.5	330.8	285.3	255.0	230.7	209.4
-12.5°	798.3	640.4	564.5	512.9	449.2	382.4	327.8	285.3	255.0	233.7	209.4
-15°	746.7	610.1	546.3	494.7	434.0	373.3	321.7	282.3	255.0	233.7	212.5
-17.5°	676.8	585.8	528.1	476.5	421.9	364.2	315.7	282.3	255.0	230.7	212.5
-20°	628.3	558.5	506.9	461.4	406.7	355.1	312.6	279.2	255.0	230.7	212.5



REPORT NUMBER: P724258
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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	585.8	528.1	482.6	437.1	388.5	343.0	306.6	276.2	251.9	230.7	212.5
-25°	552.4	500.8	458.3	415.8	373.3	333.9	300.5	273.2	248.9	230.7	209.4
-27.5°	522.1	473.5	434.0	394.6	355.1	324.8	294.4	270.1	248.9	227.6	206.4
-30°	488.7	449.2	409.8	373.3	346.0	315.7	288.3	264.1	245.9	224.6	203.4
-32.5°	455.3	418.9	385.5	358.2	333.9	309.6	285.3	261.0	239.8	218.5	197.3
-35°	424.9	391.5	367.3	343.0	324.8	303.5	279.2	255.0	236.7	215.5	197.3
-37.5°	394.6	370.3	349.0	330.8	312.6	294.4	270.1	248.9	230.7	209.4	188.2
-40°	370.3	352.1	336.9	321.7	303.5	282.3	264.1	242.8	224.6	203.4	179.1
-42.5°	355.1	339.9	324.8	309.6	294.4	276.2	258.0	236.7	218.5	197.3	173.0
-45°	339.9	327.8	315.7	303.5	288.3	270.1	248.9	227.6	209.4	188.2	170.0
-47.5°	330.8	318.7	306.6	297.4	285.3	261.0	242.8	221.6	200.3	182.1	160.9
-50°	321.7	309.6	300.5	288.3	273.2	251.9	233.7	212.5	194.3	173.0	154.8
-52.5°	312.6	300.5	288.3	276.2	261.0	242.8	224.6	206.4	185.1	163.9	145.7
-55°	303.5	291.4	279.2	267.1	251.9	236.7	218.5	194.3	173.0	151.8	133.5
-57.5°	294.4	285.3	270.1	255.0	239.8	224.6	203.4	182.1	160.9	139.6	124.4
-60°	282.3	270.1	258.0	239.8	224.6	206.4	188.2	170.0	148.7	130.5	115.3
-62.5°	264.1	251.9	239.8	221.6	206.4	191.2	176.0	154.8	139.6	121.4	106.2
-65°	242.8	230.7	218.5	203.4	188.2	173.0	160.9	142.7	127.5	112.3	100.2
-67.5°	218.5	206.4	197.3	182.1	170.0	154.8	142.7	127.5	112.3	100.2	88.0
-70°	188.2	179.1	170.0	157.8	145.7	133.5	121.4	109.3	97.1	88.0	75.9
-72.5°	160.9	151.8	142.7	133.5	124.4	112.3	103.2	94.1	85.0	75.9	69.8
-75°	130.5	124.4	118.4	112.3	103.2	94.1	88.0	78.9	72.8	66.8	63.7
-77.5°	109.3	103.2	97.1	91.1	85.0	78.9	72.8	66.8	63.7	60.7	57.7
-80°	88.0	85.0	82.0	75.9	72.8	66.8	63.7	57.7	57.7	57.7	57.7
-82.5°	69.8	66.8	63.7	60.7	57.7	54.6	54.6	51.6	54.6	54.6	51.6
-85°	48.6	45.5	42.5	42.5	39.5	39.5	36.4	36.4	36.4	33.4	33.4
-87.5°	21.2	21.2	21.2	21.2	18.2	18.2	18.2	18.2	18.2	15.2	15.2
-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: P724258
 CATALOG NUMBER: IFLD-M-SA4B-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°	6.1	6.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.0	0.0
85°	12.1	12.1	9.1	9.1	9.1	6.1	6.1	3.0	3.0	3.0	3.0
82.5°	27.3	24.3	21.2	18.2	15.2	12.1	9.1	6.1	6.1	3.0	3.0
80°	33.4	33.4	33.4	30.4	24.3	18.2	12.1	9.1	6.1	3.0	3.0
77.5°	24.3	24.3	27.3	30.4	30.4	24.3	15.2	9.1	6.1	6.1	3.0
75°	18.2	18.2	18.2	21.2	24.3	24.3	18.2	12.1	6.1	6.1	3.0
72.5°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	12.1	9.1	6.1	6.1
70°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	12.1	9.1	6.1	6.1
67.5°	12.1	12.1	15.2	15.2	15.2	12.1	12.1	12.1	9.1	6.1	6.1
65°	9.1	12.1	12.1	15.2	12.1	12.1	12.1	9.1	9.1	6.1	6.1
62.5°	9.1	9.1	12.1	12.1	12.1	12.1	9.1	9.1	9.1	6.1	6.1
60°	9.1	9.1	9.1	12.1	9.1	9.1	9.1	9.1	9.1	6.1	6.1
57.5°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	6.1	6.1	6.1	6.1
55°	9.1	9.1	9.1	9.1	9.1	9.1	6.1	6.1	6.1	6.1	6.1
52.5°	12.1	9.1	9.1	9.1	9.1	9.1	6.1	6.1	6.1	6.1	6.1
50°	15.2	9.1	9.1	9.1	9.1	6.1	6.1	6.1	6.1	6.1	6.1
47.5°	21.2	15.2	12.1	9.1	9.1	6.1	6.1	6.1	6.1	6.1	3.0
45°	30.4	21.2	15.2	12.1	9.1	6.1	6.1	6.1	6.1	6.1	3.0
42.5°	36.4	27.3	18.2	15.2	12.1	9.1	6.1	6.1	6.1	3.0	3.0
40°	45.5	36.4	24.3	18.2	12.1	9.1	6.1	6.1	6.1	3.0	3.0
37.5°	57.7	45.5	30.4	21.2	15.2	9.1	9.1	6.1	6.1	3.0	3.0
35°	66.8	51.6	39.5	24.3	18.2	12.1	9.1	6.1	6.1	3.0	3.0
32.5°	75.9	60.7	48.6	30.4	21.2	15.2	12.1	6.1	6.1	3.0	3.0
30°	85.0	69.8	54.6	39.5	27.3	18.2	12.1	6.1	6.1	3.0	3.0
27.5°	94.1	75.9	60.7	45.5	30.4	21.2	15.2	9.1	6.1	3.0	3.0
25°	103.2	85.0	66.8	51.6	33.4	24.3	15.2	9.1	6.1	6.1	3.0
22.5°	109.3	94.1	75.9	57.7	39.5	27.3	18.2	12.1	6.1	6.1	3.0
20°	118.4	103.2	82.0	63.7	45.5	30.4	18.2	12.1	6.1	6.1	3.0
17.5°	127.5	109.3	88.0	69.8	51.6	33.4	21.2	15.2	6.1	6.1	3.0
15°	136.6	115.3	94.1	72.8	54.6	36.4	21.2	15.2	6.1	6.1	3.0
12.5°	145.7	124.4	100.2	78.9	57.7	39.5	24.3	18.2	9.1	6.1	3.0
10°	151.8	130.5	106.2	82.0	60.7	45.5	27.3	18.2	9.1	6.1	3.0
7.5°	160.9	136.6	112.3	88.0	63.7	48.6	30.4	18.2	9.1	6.1	3.0
5°	163.9	142.7	115.3	94.1	66.8	51.6	33.4	21.2	9.1	6.1	3.0
2.5°	166.9	148.7	118.4	97.1	69.8	51.6	33.4	21.2	12.1	6.1	3.0
0°	170.0	151.8	121.4	100.2	72.8	54.6	36.4	21.2	12.1	6.1	3.0
-2.5°	173.0	154.8	127.5	103.2	75.9	57.7	39.5	21.2	12.1	6.1	3.0
-5°	176.0	154.8	133.5	106.2	78.9	57.7	39.5	24.3	15.2	6.1	3.0
-7.5°	179.1	157.8	136.6	109.3	82.0	57.7	42.5	24.3	15.2	9.1	3.0
-10°	182.1	160.9	139.6	112.3	82.0	60.7	42.5	24.3	15.2	9.1	3.0
-12.5°	185.1	163.9	139.6	112.3	85.0	60.7	42.5	27.3	15.2	9.1	3.0
-15°	188.2	163.9	139.6	112.3	85.0	63.7	45.5	27.3	15.2	9.1	6.1
-17.5°	188.2	163.9	139.6	115.3	85.0	63.7	45.5	27.3	15.2	9.1	6.1
-20°	188.2	163.9	139.6	115.3	85.0	63.7	45.5	27.3	15.2	9.1	6.1



REPORT NUMBER: P724258
 CATALOG NUMBER: IFLD-M-SA4B-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°	185.1	160.9	139.6	112.3	85.0	63.7	45.5	27.3	18.2	9.1	6.1
-25°	185.1	160.9	139.6	112.3	85.0	63.7	42.5	27.3	18.2	9.1	6.1
-27.5°	182.1	160.9	136.6	109.3	82.0	60.7	42.5	27.3	18.2	9.1	6.1
-30°	179.1	157.8	133.5	106.2	82.0	60.7	42.5	27.3	18.2	9.1	6.1
-32.5°	176.0	151.8	130.5	103.2	78.9	57.7	42.5	27.3	18.2	9.1	6.1
-35°	170.0	148.7	124.4	100.2	75.9	57.7	39.5	27.3	18.2	12.1	6.1
-37.5°	163.9	142.7	121.4	97.1	72.8	54.6	39.5	27.3	18.2	12.1	6.1
-40°	157.8	139.6	115.3	91.1	69.8	51.6	39.5	27.3	18.2	12.1	9.1
-42.5°	151.8	133.5	112.3	88.0	69.8	51.6	36.4	27.3	18.2	12.1	9.1
-45°	148.7	130.5	106.2	85.0	66.8	51.6	36.4	24.3	18.2	12.1	9.1
-47.5°	142.7	121.4	100.2	82.0	63.7	48.6	33.4	24.3	18.2	12.1	9.1
-50°	133.5	115.3	97.1	78.9	60.7	45.5	33.4	24.3	18.2	12.1	9.1
-52.5°	124.4	106.2	91.1	72.8	57.7	45.5	33.4	24.3	18.2	12.1	9.1
-55°	115.3	100.2	85.0	69.8	54.6	42.5	30.4	24.3	18.2	12.1	9.1
-57.5°	109.3	94.1	78.9	63.7	51.6	39.5	30.4	21.2	15.2	12.1	9.1
-60°	103.2	88.0	72.8	60.7	48.6	39.5	30.4	21.2	15.2	12.1	6.1
-62.5°	94.1	82.0	66.8	57.7	45.5	36.4	27.3	21.2	15.2	12.1	6.1
-65°	85.0	72.8	60.7	51.6	42.5	33.4	27.3	21.2	15.2	12.1	6.1
-67.5°	75.9	66.8	57.7	48.6	39.5	33.4	27.3	21.2	15.2	9.1	6.1
-70°	69.8	60.7	51.6	45.5	39.5	30.4	27.3	21.2	15.2	9.1	6.1
-72.5°	60.7	54.6	48.6	42.5	36.4	33.4	27.3	21.2	12.1	9.1	6.1
-75°	57.7	51.6	45.5	42.5	39.5	33.4	27.3	18.2	12.1	9.1	6.1
-77.5°	57.7	51.6	48.6	45.5	39.5	33.4	24.3	15.2	9.1	9.1	6.1
-80°	57.7	54.6	51.6	42.5	36.4	27.3	18.2	15.2	9.1	6.1	3.0
-82.5°	51.6	42.5	36.4	30.4	27.3	21.2	15.2	12.1	6.1	6.1	3.0
-85°	33.4	27.3	24.3	21.2	18.2	15.2	9.1	6.1	6.1	3.0	3.0
-87.5°	15.2	15.2	12.1	9.1	9.1	6.1	6.1	3.0	3.0	3.0	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: P724258
 CATALOG NUMBER: IFLD-M-SA4B-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°	3.0	0.0	0.0	0.0
77.5°	3.0	0.0	0.0	0.0
75°	3.0	3.0	0.0	0.0
72.5°	3.0	3.0	0.0	0.0
70°	3.0	3.0	0.0	0.0
67.5°	3.0	3.0	0.0	0.0
65°	3.0	3.0	0.0	0.0
62.5°	3.0	3.0	0.0	0.0
60°	3.0	3.0	0.0	0.0
57.5°	3.0	3.0	3.0	0.0
55°	3.0	3.0	3.0	0.0
52.5°	3.0	3.0	3.0	0.0
50°	3.0	3.0	3.0	0.0
47.5°	3.0	3.0	3.0	0.0
45°	3.0	3.0	3.0	0.0
42.5°	3.0	3.0	3.0	0.0
40°	3.0	3.0	3.0	0.0
37.5°	3.0	3.0	3.0	0.0
35°	3.0	3.0	3.0	0.0
32.5°	3.0	3.0	3.0	0.0
30°	3.0	3.0	3.0	0.0
27.5°	3.0	3.0	3.0	0.0
25°	3.0	3.0	3.0	0.0
22.5°	3.0	3.0	3.0	0.0
20°	3.0	3.0	3.0	0.0
17.5°	3.0	3.0	3.0	0.0
15°	3.0	3.0	3.0	0.0
12.5°	3.0	3.0	3.0	0.0
10°	3.0	3.0	3.0	0.0
7.5°	3.0	3.0	3.0	0.0
5°	3.0	3.0	3.0	0.0
2.5°	3.0	3.0	3.0	0.0
0°	3.0	3.0	3.0	0.0
-2.5°	3.0	3.0	3.0	0.0
-5°	3.0	3.0	3.0	0.0
-7.5°	3.0	3.0	3.0	0.0
-10°	3.0	3.0	3.0	0.0
-12.5°	3.0	3.0	3.0	0.0
-15°	3.0	3.0	3.0	0.0
-17.5°	3.0	3.0	3.0	0.0
-20°	3.0	3.0	3.0	0.0



REPORT NUMBER: P724258
CATALOG NUMBER: IFLD-M-SA4B-830-U-22-VI

CANDELA DISTRIBUTION (continued):

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