

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: P724228

Luminaire Tested: **IFLD-M-SA4A-827-U-22-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P724228
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-827-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

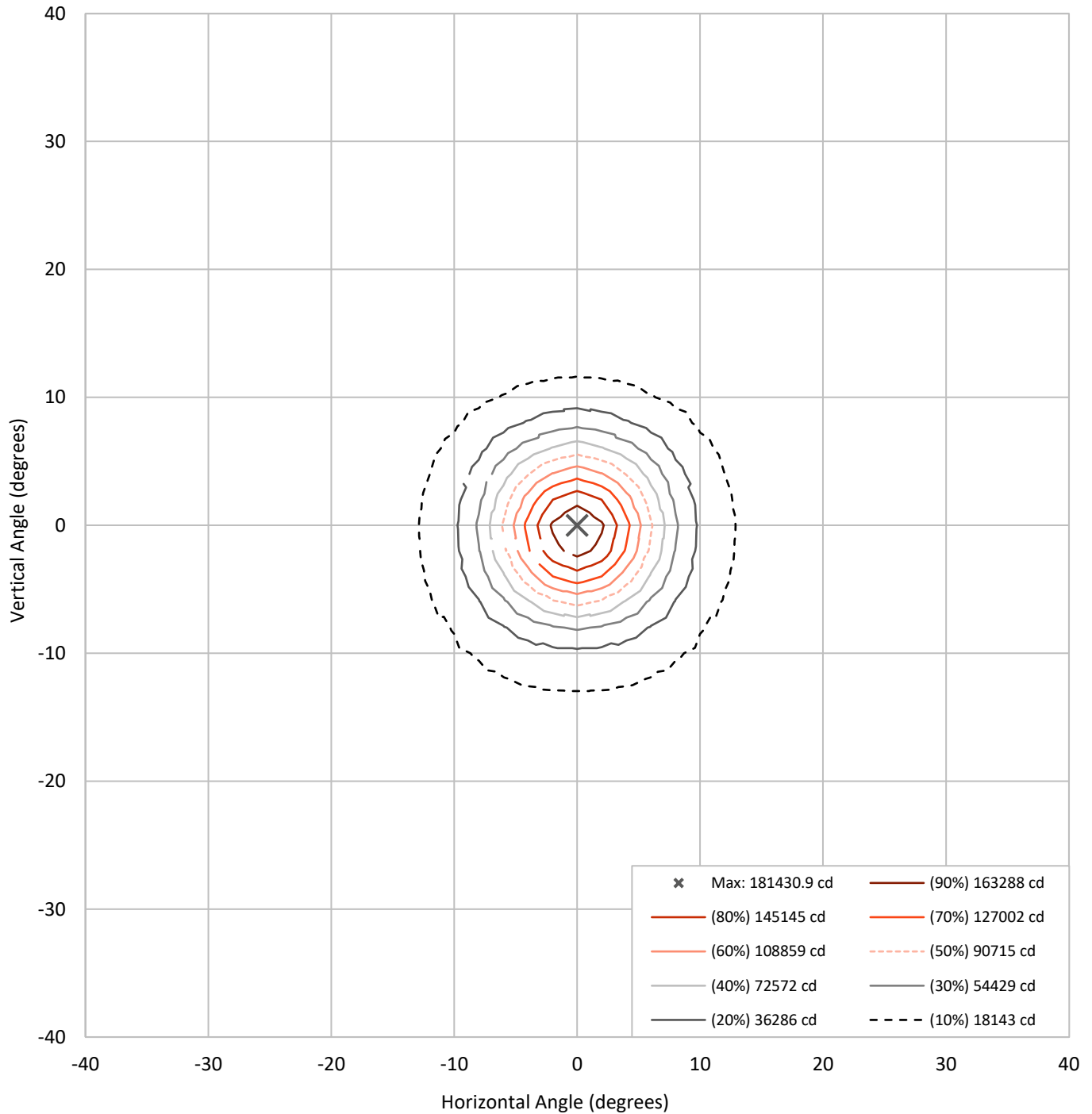
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	12673 lumens	Max Intensity:	181430.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	98.5 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	12.2°H x 11.7°V	Field Angle (10%):	25.1°H x 24.3°V
Beam Lumens:	3964.7 lumens	Field Lumens:	9021.1 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



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Iso-Candela Plot





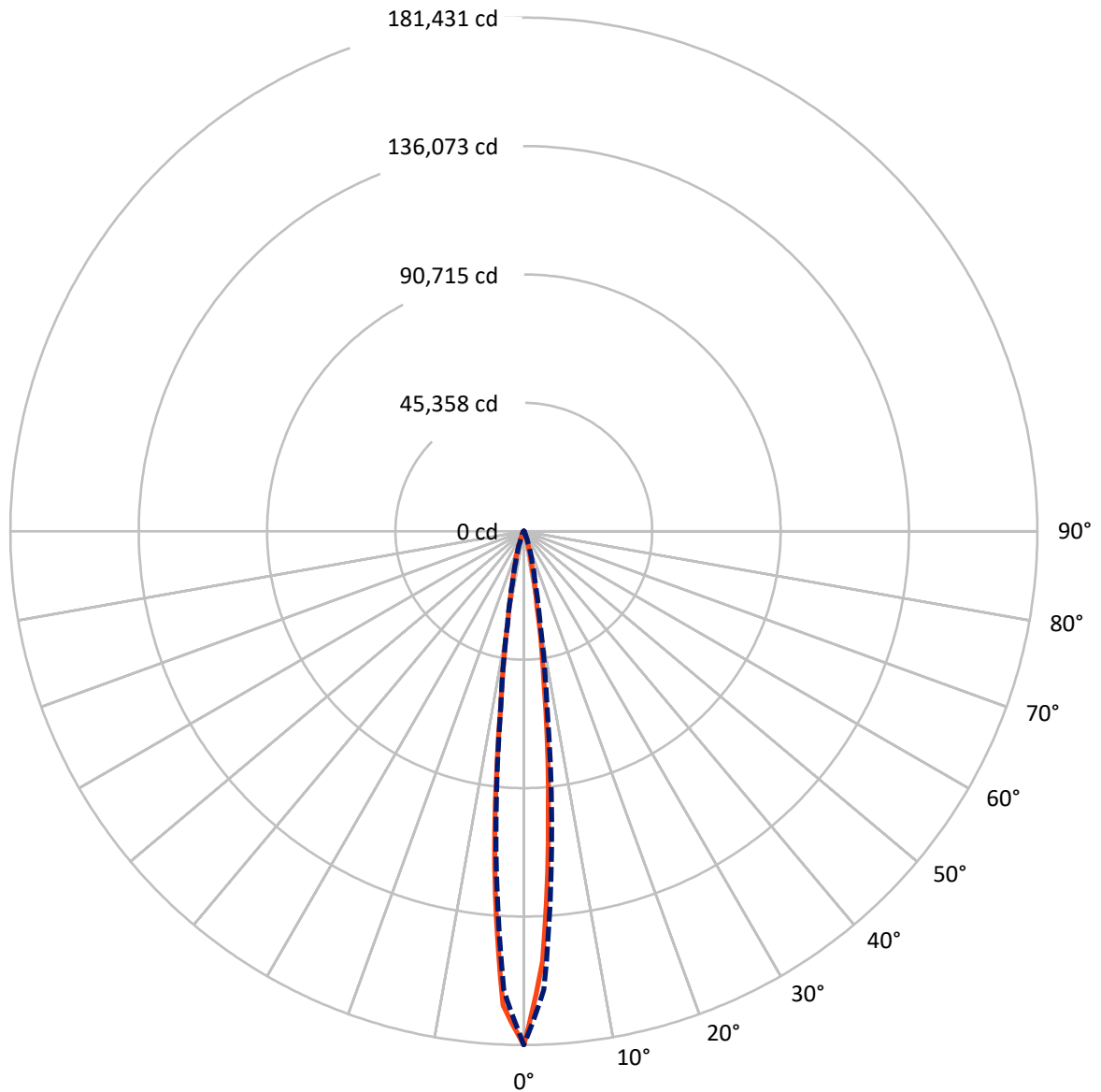
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Lumen Table

90	0.1	0.8	0.6	0.3	0.0	0.3	0.6	0.8	0.1										
80	0.1	0.8	0.6	0.3	0.0	0.3	0.6	0.8	0.1										
70	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
60		0.1	0.1	0.3	0.7	1.0	1.2	1.4	1.4	1.2	1.0	0.7	0.3	0.1	0.1				
50	0.1	0.1	0.4	1.0	1.8	2.6	3.4	4.0	4.0	3.4	2.6	1.8	1.0	0.4	0.1	0.1			
40		0.2	0.9	1.9	3.2	5.1	7.7	9.2	9.2	7.7	5.1	3.2	1.9	0.9	0.2				
30	0.1	0.4	1.4	2.8	5.1	8.8	16.9	27.3	27.3	16.9	8.8	5.1	2.8	1.4	0.4	0.1			
20		0.6	1.8	3.8	7.7	19.1	99.9	252.6	252.6	99.9	19.1	7.7	3.8	1.8	0.6				
10	0.2	0.7	2.2	4.5	9.4	38.8	321.6	1981.6	1981.6	321.6	38.8	9.4	4.5	2.2	0.7	0.2			
0		0.8	2.4	4.7	9.8	44.2	353.9	2182.3	2182.3	353.9	44.2	9.8	4.7	2.4	0.8				
-10	0.3	0.9	2.5	4.7	9.2	26.5	158.8	382.7	382.7	158.8	26.5	9.2	4.7	2.5	0.9	0.3			
-20		0.9	2.4	4.5	7.8	13.5	32.8	61.7	61.7	32.8	13.5	7.8	4.5	2.4	0.9				
-30	0.3	0.8	2.2	4.1	6.5	9.6	13.5	15.9	15.9	13.5	9.6	6.5	4.1	2.2	0.8	0.3			
-40		0.7	1.9	3.7	5.6	7.4	9.4	10.5	10.5	9.4	7.4	5.6	3.7	1.9	0.7				
-50	0.2	0.6	1.6	3.1	4.9	6.5	8.0	8.7	8.7	8.0	6.5	4.9	3.1	1.6	0.6	0.2			
-60		0.4	1.1	2.3	3.8	5.2	6.5	7.3	7.3	6.5	5.2	3.8	2.3	1.1	0.4				
-70	0.1	0.6	1.6	3.1	4.9	6.5	8.0	8.7	8.7	8.0	6.5	4.9	3.1	1.6	0.6	0.1			
-80		0.4	1.1	2.3	3.8	5.2	6.5	7.3	7.3	6.5	5.2	3.8	2.3	1.1	0.4				
-90	0.1	1.7	4.7	8.8	10.6	8.8	4.7	1.7	0.1										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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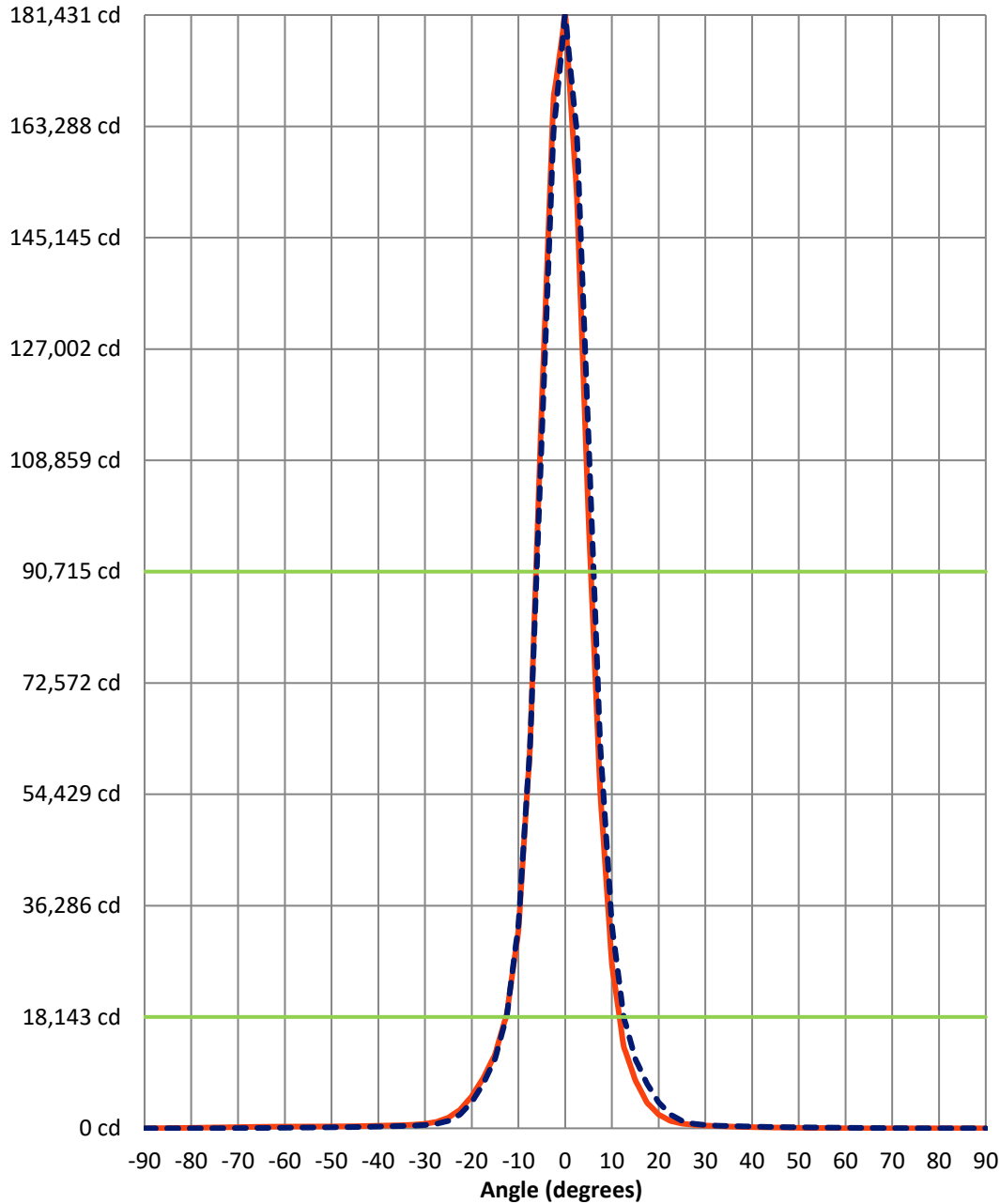
Luminous Intensity Polar Plot



— 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: 3964.7
Efficiency: 31.3%

Field:
H Angle: 25.1°
V Angle: 24.3°
Lumens: 9021.1
Efficiency: 71.2%

Spill:
Lumens: 3651.9
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	2.3	2.3
85°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	4.5	4.5
82.5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	4.5	4.5	4.5
80°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	4.5	4.5	4.5
77.5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	4.5
75°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
67.5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
65°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
62.5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
60°	4.5	4.5	4.5	4.5	6.8	6.8	9.1	9.1	9.1	4.5	9.1
57.5°	36.3	36.3	34.1	31.8	29.5	27.2	27.2	27.2	27.2	27.2	22.7
55°	49.9	49.9	49.9	47.7	47.7	45.4	43.1	40.9	40.9	38.6	36.3
52.5°	59.0	59.0	59.0	59.0	56.8	56.8	56.8	54.5	49.9	49.9	47.7
50°	84.0	81.7	81.7	81.7	81.7	77.2	74.9	70.4	68.1	65.8	63.6
47.5°	109.0	109.0	106.7	106.7	104.4	99.9	95.4	90.8	86.3	84.0	79.5
45°	129.4	129.4	127.1	127.1	124.9	120.3	113.5	106.7	102.2	97.6	93.1
42.5°	158.9	156.7	154.4	152.1	147.6	140.8	131.7	122.6	115.8	109.0	104.4
40°	190.7	190.7	188.4	186.2	179.4	172.6	161.2	149.8	138.5	124.9	118.1
37.5°	229.3	231.6	233.9	233.9	229.3	220.2	204.3	190.7	172.6	154.4	145.3
35°	299.7	299.7	304.2	304.2	297.4	286.1	274.7	245.2	222.5	199.8	179.4
32.5°	376.9	379.2	370.1	363.3	354.2	340.6	320.1	295.2	270.2	240.7	218.0
30°	451.8	451.8	440.5	426.8	408.7	386.0	361.0	333.8	304.2	274.7	247.5
27.5°	569.9	558.5	549.4	526.7	494.9	451.8	420.0	376.9	338.3	304.2	274.7
25°	765.1	762.9	742.4	703.8	640.3	572.1	519.9	447.3	388.2	336.0	302.0
22.5°	1216.9	1201.0	1153.4	1058.0	908.2	790.1	683.4	569.9	463.2	392.8	338.3
20°	2250.0	2197.8	2070.6	1807.2	1471.2	1239.6	974.0	783.3	603.9	472.2	390.5
17.5°	4198.0	4163.9	4116.3	3507.8	2824.4	2334.0	1736.9	1201.0	858.2	617.6	463.2
15°	7869.2	7617.2	7090.5	6361.7	5405.9	4177.6	3071.9	1938.9	1226.0	821.9	588.0
12.5°	13452.2	13172.9	11813.0	9989.8	8271.1	6522.9	4579.4	2947.0	1745.9	1044.4	697.0
10°	26804.5	24777.0	20969.5	15649.9	12214.8	9108.9	6429.8	4020.9	2272.7	1319.1	826.4
7.5°	54900.8	48275.8	37200.7	26261.9	16998.6	11946.9	8212.1	5258.3	3028.7	1650.6	944.5
5°	99505.3	87751.4	66109.9	39807.1	24683.9	14973.4	9744.6	6252.7	3585.0	1920.8	1062.6
2.5°	151938.2	136733.3	95577.5	54737.4	30437.1	17316.4	10816.2	6906.6	3939.2	2104.7	1153.4
0°	181430.9	162064.3	112557.9	62667.9	33177.5	18310.9	11340.7	7299.4	4238.9	2254.5	1212.4
-2.5°	167597.3	152006.3	103442.2	58213.4	31704.0	17875.0	11415.6	7397.0	4288.8	2295.4	1239.6
-5°	118122.7	105326.7	71574.7	42958.5	26899.8	16465.0	10770.8	7029.2	4150.3	2236.4	1228.3
-7.5°	62493.1	56703.5	42447.6	30868.5	19634.5	13935.8	9696.9	6377.6	3791.6	2077.4	1160.2
-10°	32287.5	31100.1	26799.9	20202.1	15888.3	11674.5	8275.7	5453.5	3169.5	1789.1	1044.4
-12.5°	18615.1	18413.0	17030.4	14619.2	12183.0	9590.2	6790.8	4447.7	2645.0	1482.6	880.9
-15°	12053.6	12139.9	11658.6	10655.0	9267.8	7176.8	5217.4	3308.0	1957.1	1201.0	776.5
-17.5°	8225.7	8203.0	7978.2	7290.3	6173.3	4847.3	3457.8	2336.3	1482.6	935.4	644.8
-20°	5203.8	5212.9	5004.0	4529.5	3707.6	2987.9	2152.4	1575.7	1051.2	735.6	569.9



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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°	3019.6	3026.5	2894.8	2626.9	2195.5	1770.9	1398.6	1042.1	774.2	613.0	499.5
-25°	1734.6	1707.3	1655.1	1525.7	1323.7	1092.1	928.6	733.3	619.8	519.9	456.4
-27.5°	1051.2	1033.0	1005.8	949.0	869.6	753.8	678.9	592.6	526.7	467.7	429.1
-30°	733.3	740.2	717.5	687.9	651.6	599.4	558.5	517.7	474.5	438.2	401.9
-32.5°	583.5	588.0	576.7	565.3	547.2	526.7	501.8	472.2	438.2	404.1	370.1
-35°	501.8	504.0	504.0	501.8	497.2	481.3	463.2	435.9	404.1	372.3	342.8
-37.5°	460.9	463.2	463.2	460.9	454.1	440.5	422.3	399.6	370.1	340.6	317.9
-40°	417.8	420.0	417.8	413.2	406.4	392.8	379.2	361.0	338.3	313.3	292.9
-42.5°	376.9	374.6	372.3	367.8	361.0	351.9	340.6	326.9	311.0	292.9	277.0
-45°	338.3	338.3	336.0	333.8	329.2	322.4	315.6	304.2	292.9	279.3	265.6
-47.5°	317.9	317.9	315.6	313.3	311.0	306.5	299.7	290.6	281.5	270.2	258.8
-50°	304.2	304.2	304.2	302.0	299.7	295.2	288.3	281.5	272.4	261.1	249.7
-52.5°	295.2	295.2	295.2	292.9	290.6	288.3	281.5	272.4	261.1	252.0	242.9
-55°	290.6	288.3	288.3	286.1	283.8	281.5	272.4	263.4	254.3	245.2	236.1
-57.5°	283.8	281.5	281.5	279.3	277.0	274.7	265.6	256.6	247.5	236.1	229.3
-60°	277.0	274.7	274.7	270.2	267.9	265.6	256.6	247.5	238.4	229.3	220.2
-62.5°	267.9	265.6	263.4	261.1	256.6	252.0	245.2	236.1	224.8	215.7	206.6
-65°	247.5	245.2	242.9	240.7	238.4	236.1	229.3	218.0	208.9	199.8	190.7
-67.5°	222.5	222.5	222.5	218.0	215.7	211.1	206.6	197.5	188.4	179.4	172.6
-70°	193.0	193.0	193.0	188.4	186.2	183.9	177.1	170.3	163.5	156.7	147.6
-72.5°	163.5	161.2	161.2	158.9	154.4	152.1	147.6	143.0	136.2	131.7	124.9
-75°	134.0	131.7	131.7	129.4	127.1	124.9	120.3	118.1	113.5	109.0	102.2
-77.5°	106.7	106.7	106.7	104.4	102.2	99.9	97.6	95.4	93.1	88.5	84.0
-80°	81.7	81.7	81.7	81.7	81.7	81.7	81.7	79.5	74.9	72.7	70.4
-82.5°	59.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	59.0	56.8	54.5
-85°	38.6	40.9	40.9	43.1	45.4	45.4	47.7	45.4	43.1	38.6	36.3
-87.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	18.2	18.2	18.2	15.9
-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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	6.8	6.8	6.8	9.1	9.1	9.1	9.1
82.5°	4.5	6.8	6.8	6.8	9.1	9.1	11.4	13.6	18.2	20.4	20.4
80°	4.5	6.8	6.8	6.8	9.1	9.1	11.4	11.4	13.6	15.9	20.4
77.5°	4.5	4.5	6.8	6.8	6.8	9.1	9.1	11.4	11.4	13.6	15.9
75°	2.3	4.5	4.5	4.5	6.8	6.8	9.1	9.1	11.4	11.4	13.6
72.5°	2.3	4.5	4.5	4.5	6.8	6.8	9.1	9.1	9.1	11.4	11.4
70°	2.3	4.5	4.5	4.5	4.5	6.8	6.8	6.8	9.1	9.1	9.1
67.5°	2.3	2.3	2.3	4.5	4.5	4.5	4.5	6.8	6.8	6.8	9.1
65°	2.3	2.3	2.3	2.3	4.5	4.5	4.5	4.5	6.8	6.8	6.8
62.5°	2.3	2.3	2.3	4.5	4.5	4.5	4.5	4.5	6.8	6.8	6.8
60°	9.1	9.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
57.5°	20.4	20.4	18.2	15.9	13.6	13.6	11.4	9.1	9.1	6.8	6.8
55°	34.1	31.8	29.5	25.0	22.7	20.4	18.2	13.6	11.4	9.1	6.8
52.5°	43.1	40.9	38.6	36.3	31.8	27.2	25.0	22.7	18.2	13.6	11.4
50°	63.6	56.8	52.2	47.7	43.1	38.6	34.1	31.8	25.0	20.4	15.9
47.5°	77.2	72.7	65.8	61.3	56.8	49.9	43.1	38.6	34.1	27.2	20.4
45°	88.5	84.0	77.2	72.7	68.1	61.3	54.5	47.7	43.1	36.3	27.2
42.5°	99.9	95.4	88.5	84.0	77.2	70.4	63.6	56.8	49.9	45.4	36.3
40°	115.8	109.0	99.9	95.4	90.8	81.7	72.7	65.8	59.0	52.2	43.1
37.5°	136.2	129.4	118.1	109.0	102.2	95.4	86.3	77.2	70.4	61.3	52.2
35°	168.0	156.7	140.8	127.1	118.1	109.0	97.6	88.5	79.5	70.4	61.3
32.5°	199.8	181.6	161.2	145.3	131.7	120.3	109.0	99.9	88.5	77.2	68.1
30°	224.8	204.3	183.9	161.2	145.3	131.7	120.3	109.0	97.6	86.3	74.9
27.5°	249.7	227.0	204.3	181.6	158.9	140.8	129.4	118.1	106.7	95.4	81.7
25°	274.7	249.7	227.0	202.1	174.8	154.4	138.5	129.4	118.1	104.4	88.5
22.5°	297.4	274.7	252.0	224.8	193.0	165.7	149.8	138.5	127.1	111.3	97.6
20°	340.6	311.0	283.8	249.7	213.4	186.2	165.7	149.8	136.2	120.3	104.4
17.5°	397.3	354.2	317.9	279.3	242.9	208.9	179.4	161.2	147.6	129.4	111.3
15°	470.0	395.1	349.6	311.0	267.9	229.3	197.5	172.6	154.4	136.2	120.3
12.5°	524.5	426.8	376.9	340.6	295.2	252.0	211.1	181.6	161.2	143.0	124.9
10°	585.8	460.9	399.6	358.7	311.0	263.4	220.2	188.4	165.7	149.8	131.7
7.5°	635.7	488.1	410.9	365.5	320.1	272.4	229.3	195.3	172.6	154.4	136.2
5°	681.1	510.8	420.0	367.8	324.7	279.3	233.9	199.8	177.1	158.9	140.8
2.5°	712.9	531.3	429.1	372.3	329.2	283.8	240.7	204.3	181.6	163.5	145.3
0°	740.2	538.1	426.8	372.3	331.5	283.8	242.9	206.6	183.9	165.7	147.6
-2.5°	749.2	549.4	438.2	376.9	336.0	288.3	247.5	208.9	186.2	168.0	152.1
-5°	749.2	540.4	438.2	381.4	338.3	290.6	247.5	211.1	188.4	170.3	152.1
-7.5°	722.0	526.7	435.9	386.0	340.6	292.9	247.5	213.4	190.7	172.6	154.4
-10°	674.3	506.3	433.6	388.2	340.6	290.6	247.5	213.4	190.7	172.6	156.7
-12.5°	597.1	479.1	422.3	383.7	336.0	286.1	245.2	213.4	190.7	174.8	156.7
-15°	558.5	456.4	408.7	370.1	324.7	279.3	240.7	211.1	190.7	174.8	158.9
-17.5°	506.3	438.2	395.1	356.5	315.6	272.4	236.1	211.1	190.7	172.6	158.9
-20°	470.0	417.8	379.2	345.1	304.2	265.6	233.9	208.9	190.7	172.6	158.9



REPORT NUMBER: P724228

CATALOG NUMBER: IFLD-M-SA4A-827-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°	438.2	395.1	361.0	326.9	290.6	256.6	229.3	206.6	188.4	172.6	158.9
-25°	413.2	374.6	342.8	311.0	279.3	249.7	224.8	204.3	186.2	172.6	156.7
-27.5°	390.5	354.2	324.7	295.2	265.6	242.9	220.2	202.1	186.2	170.3	154.4
-30°	365.5	336.0	306.5	279.3	258.8	236.1	215.7	197.5	183.9	168.0	152.1
-32.5°	340.6	313.3	288.3	267.9	249.7	231.6	213.4	195.3	179.4	163.5	147.6
-35°	317.9	292.9	274.7	256.6	242.9	227.0	208.9	190.7	177.1	161.2	147.6
-37.5°	295.2	277.0	261.1	247.5	233.9	220.2	202.1	186.2	172.6	156.7	140.8
-40°	277.0	263.4	252.0	240.7	227.0	211.1	197.5	181.6	168.0	152.1	134.0
-42.5°	265.6	254.3	242.9	231.6	220.2	206.6	193.0	177.1	163.5	147.6	129.4
-45°	254.3	245.2	236.1	227.0	215.7	202.1	186.2	170.3	156.7	140.8	127.1
-47.5°	247.5	238.4	229.3	222.5	213.4	195.3	181.6	165.7	149.8	136.2	120.3
-50°	240.7	231.6	224.8	215.7	204.3	188.4	174.8	158.9	145.3	129.4	115.8
-52.5°	233.9	224.8	215.7	206.6	195.3	181.6	168.0	154.4	138.5	122.6	109.0
-55°	227.0	218.0	208.9	199.8	188.4	177.1	163.5	145.3	129.4	113.5	99.9
-57.5°	220.2	213.4	202.1	190.7	179.4	168.0	152.1	136.2	120.3	104.4	93.1
-60°	211.1	202.1	193.0	179.4	168.0	154.4	140.8	127.1	111.3	97.6	86.3
-62.5°	197.5	188.4	179.4	165.7	154.4	143.0	131.7	115.8	104.4	90.8	79.5
-65°	181.6	172.6	163.5	152.1	140.8	129.4	120.3	106.7	95.4	84.0	74.9
-67.5°	163.5	154.4	147.6	136.2	127.1	115.8	106.7	95.4	84.0	74.9	65.8
-70°	140.8	134.0	127.1	118.1	109.0	99.9	90.8	81.7	72.7	65.8	56.8
-72.5°	120.3	113.5	106.7	99.9	93.1	84.0	77.2	70.4	63.6	56.8	52.2
-75°	97.6	93.1	88.5	84.0	77.2	70.4	65.8	59.0	54.5	49.9	47.7
-77.5°	81.7	77.2	72.7	68.1	63.6	59.0	54.5	49.9	47.7	45.4	43.1
-80°	65.8	63.6	61.3	56.8	54.5	49.9	47.7	43.1	43.1	43.1	43.1
-82.5°	52.2	49.9	47.7	45.4	43.1	40.9	40.9	38.6	40.9	40.9	38.6
-85°	36.3	34.1	31.8	31.8	29.5	29.5	27.2	27.2	27.2	25.0	25.0
-87.5°	15.9	15.9	15.9	15.9	13.6	13.6	13.6	13.6	13.6	11.4	11.4
-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: P724228
 CATALOG NUMBER: IFLD-M-SA4A-827-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°	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0
85°	9.1	9.1	6.8	6.8	6.8	4.5	4.5	2.3	2.3	2.3	2.3
82.5°	20.4	18.2	15.9	13.6	11.4	9.1	6.8	4.5	4.5	2.3	2.3
80°	25.0	25.0	25.0	22.7	18.2	13.6	9.1	6.8	4.5	2.3	2.3
77.5°	18.2	18.2	20.4	22.7	22.7	18.2	11.4	6.8	4.5	4.5	2.3
75°	13.6	13.6	13.6	15.9	18.2	18.2	13.6	9.1	4.5	4.5	2.3
72.5°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	9.1	6.8	4.5	4.5
70°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.1	6.8	4.5	4.5
67.5°	9.1	9.1	11.4	11.4	11.4	9.1	9.1	9.1	6.8	4.5	4.5
65°	6.8	9.1	9.1	11.4	9.1	9.1	9.1	6.8	6.8	4.5	4.5
62.5°	6.8	6.8	9.1	9.1	9.1	9.1	6.8	6.8	6.8	4.5	4.5
60°	6.8	6.8	6.8	9.1	6.8	6.8	6.8	6.8	6.8	4.5	4.5
57.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	4.5	4.5	4.5	4.5
55°	6.8	6.8	6.8	6.8	6.8	6.8	4.5	4.5	4.5	4.5	4.5
52.5°	9.1	6.8	6.8	6.8	6.8	6.8	4.5	4.5	4.5	4.5	4.5
50°	11.4	6.8	6.8	6.8	6.8	4.5	4.5	4.5	4.5	4.5	4.5
47.5°	15.9	11.4	9.1	6.8	6.8	4.5	4.5	4.5	4.5	4.5	2.3
45°	22.7	15.9	11.4	9.1	6.8	4.5	4.5	4.5	4.5	4.5	2.3
42.5°	27.2	20.4	13.6	11.4	9.1	6.8	4.5	4.5	4.5	2.3	2.3
40°	34.1	27.2	18.2	13.6	9.1	6.8	4.5	4.5	4.5	2.3	2.3
37.5°	43.1	34.1	22.7	15.9	11.4	6.8	6.8	4.5	4.5	2.3	2.3
35°	49.9	38.6	29.5	18.2	13.6	9.1	6.8	4.5	4.5	2.3	2.3
32.5°	56.8	45.4	36.3	22.7	15.9	11.4	9.1	4.5	4.5	2.3	2.3
30°	63.6	52.2	40.9	29.5	20.4	13.6	9.1	4.5	4.5	2.3	2.3
27.5°	70.4	56.8	45.4	34.1	22.7	15.9	11.4	6.8	4.5	2.3	2.3
25°	77.2	63.6	49.9	38.6	25.0	18.2	11.4	6.8	4.5	4.5	2.3
22.5°	81.7	70.4	56.8	43.1	29.5	20.4	13.6	9.1	4.5	4.5	2.3
20°	88.5	77.2	61.3	47.7	34.1	22.7	13.6	9.1	4.5	4.5	2.3
17.5°	95.4	81.7	65.8	52.2	38.6	25.0	15.9	11.4	4.5	4.5	2.3
15°	102.2	86.3	70.4	54.5	40.9	27.2	15.9	11.4	4.5	4.5	2.3
12.5°	109.0	93.1	74.9	59.0	43.1	29.5	18.2	13.6	6.8	4.5	2.3
10°	113.5	97.6	79.5	61.3	45.4	34.1	20.4	13.6	6.8	4.5	2.3
7.5°	120.3	102.2	84.0	65.8	47.7	36.3	22.7	13.6	6.8	4.5	2.3
5°	122.6	106.7	86.3	70.4	49.9	38.6	25.0	15.9	6.8	4.5	2.3
2.5°	124.9	111.3	88.5	72.7	52.2	38.6	25.0	15.9	9.1	4.5	2.3
0°	127.1	113.5	90.8	74.9	54.5	40.9	27.2	15.9	9.1	4.5	2.3
-2.5°	129.4	115.8	95.4	77.2	56.8	43.1	29.5	15.9	9.1	4.5	2.3
-5°	131.7	115.8	99.9	79.5	59.0	43.1	29.5	18.2	11.4	4.5	2.3
-7.5°	134.0	118.1	102.2	81.7	61.3	43.1	31.8	18.2	11.4	6.8	2.3
-10°	136.2	120.3	104.4	84.0	61.3	45.4	31.8	18.2	11.4	6.8	2.3
-12.5°	138.5	122.6	104.4	84.0	63.6	45.4	31.8	20.4	11.4	6.8	2.3
-15°	140.8	122.6	104.4	84.0	63.6	47.7	34.1	20.4	11.4	6.8	4.5
-17.5°	140.8	122.6	104.4	86.3	63.6	47.7	34.1	20.4	11.4	6.8	4.5
-20°	140.8	122.6	104.4	86.3	63.6	47.7	34.1	20.4	11.4	6.8	4.5



REPORT NUMBER: P724228
 CATALOG NUMBER: IFLD-M-SA4A-827-U-22-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	138.5	120.3	104.4	84.0	63.6	47.7	34.1	20.4	13.6	6.8	4.5
-25°	138.5	120.3	104.4	84.0	63.6	47.7	31.8	20.4	13.6	6.8	4.5
-27.5°	136.2	120.3	102.2	81.7	61.3	45.4	31.8	20.4	13.6	6.8	4.5
-30°	134.0	118.1	99.9	79.5	61.3	45.4	31.8	20.4	13.6	6.8	4.5
-32.5°	131.7	113.5	97.6	77.2	59.0	43.1	31.8	20.4	13.6	6.8	4.5
-35°	127.1	111.3	93.1	74.9	56.8	43.1	29.5	20.4	13.6	9.1	4.5
-37.5°	122.6	106.7	90.8	72.7	54.5	40.9	29.5	20.4	13.6	9.1	4.5
-40°	118.1	104.4	86.3	68.1	52.2	38.6	29.5	20.4	13.6	9.1	6.8
-42.5°	113.5	99.9	84.0	65.8	52.2	38.6	27.2	20.4	13.6	9.1	6.8
-45°	111.3	97.6	79.5	63.6	49.9	38.6	27.2	18.2	13.6	9.1	6.8
-47.5°	106.7	90.8	74.9	61.3	47.7	36.3	25.0	18.2	13.6	9.1	6.8
-50°	99.9	86.3	72.7	59.0	45.4	34.1	25.0	18.2	13.6	9.1	6.8
-52.5°	93.1	79.5	68.1	54.5	43.1	34.1	25.0	18.2	13.6	9.1	6.8
-55°	86.3	74.9	63.6	52.2	40.9	31.8	22.7	18.2	13.6	9.1	6.8
-57.5°	81.7	70.4	59.0	47.7	38.6	29.5	22.7	15.9	11.4	9.1	6.8
-60°	77.2	65.8	54.5	45.4	36.3	29.5	22.7	15.9	11.4	9.1	4.5
-62.5°	70.4	61.3	49.9	43.1	34.1	27.2	20.4	15.9	11.4	9.1	4.5
-65°	63.6	54.5	45.4	38.6	31.8	25.0	20.4	15.9	11.4	9.1	4.5
-67.5°	56.8	49.9	43.1	36.3	29.5	25.0	20.4	15.9	11.4	6.8	4.5
-70°	52.2	45.4	38.6	34.1	29.5	22.7	20.4	15.9	11.4	6.8	4.5
-72.5°	45.4	40.9	36.3	31.8	27.2	25.0	20.4	15.9	9.1	6.8	4.5
-75°	43.1	38.6	34.1	31.8	29.5	25.0	20.4	13.6	9.1	6.8	4.5
-77.5°	43.1	38.6	36.3	34.1	29.5	25.0	18.2	11.4	6.8	6.8	4.5
-80°	43.1	40.9	38.6	31.8	27.2	20.4	13.6	11.4	6.8	4.5	2.3
-82.5°	38.6	31.8	27.2	22.7	20.4	15.9	11.4	9.1	4.5	4.5	2.3
-85°	25.0	20.4	18.2	15.9	13.6	11.4	6.8	4.5	4.5	2.3	2.3
-87.5°	11.4	11.4	9.1	6.8	6.8	4.5	4.5	2.3	2.3	2.3	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: P724228
 CATALOG NUMBER: IFLD-M-SA4A-827-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°	2.3	0.0	0.0	0.0
77.5°	2.3	0.0	0.0	0.0
75°	2.3	2.3	0.0	0.0
72.5°	2.3	2.3	0.0	0.0
70°	2.3	2.3	0.0	0.0
67.5°	2.3	2.3	0.0	0.0
65°	2.3	2.3	0.0	0.0
62.5°	2.3	2.3	0.0	0.0
60°	2.3	2.3	0.0	0.0
57.5°	2.3	2.3	2.3	0.0
55°	2.3	2.3	2.3	0.0
52.5°	2.3	2.3	2.3	0.0
50°	2.3	2.3	2.3	0.0
47.5°	2.3	2.3	2.3	0.0
45°	2.3	2.3	2.3	0.0
42.5°	2.3	2.3	2.3	0.0
40°	2.3	2.3	2.3	0.0
37.5°	2.3	2.3	2.3	0.0
35°	2.3	2.3	2.3	0.0
32.5°	2.3	2.3	2.3	0.0
30°	2.3	2.3	2.3	0.0
27.5°	2.3	2.3	2.3	0.0
25°	2.3	2.3	2.3	0.0
22.5°	2.3	2.3	2.3	0.0
20°	2.3	2.3	2.3	0.0
17.5°	2.3	2.3	2.3	0.0
15°	2.3	2.3	2.3	0.0
12.5°	2.3	2.3	2.3	0.0
10°	2.3	2.3	2.3	0.0
7.5°	2.3	2.3	2.3	0.0
5°	2.3	2.3	2.3	0.0
2.5°	2.3	2.3	2.3	0.0
0°	2.3	2.3	2.3	0.0
-2.5°	2.3	2.3	2.3	0.0
-5°	2.3	2.3	2.3	0.0
-7.5°	2.3	2.3	2.3	0.0
-10°	2.3	2.3	2.3	0.0
-12.5°	2.3	2.3	2.3	0.0
-15°	2.3	2.3	2.3	0.0
-17.5°	2.3	2.3	2.3	0.0
-20°	2.3	2.3	2.3	0.0



REPORT NUMBER: P724228
CATALOG NUMBER: IFLD-M-SA4A-827-U-22-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	2.3	2.3	2.3	0.0
-25°	2.3	2.3	2.3	0.0
-27.5°	2.3	2.3	2.3	0.0
-30°	2.3	2.3	2.3	0.0
-32.5°	2.3	2.3	2.3	0.0
-35°	2.3	2.3	2.3	0.0
-37.5°	2.3	2.3	2.3	0.0
-40°	2.3	2.3	2.3	0.0
-42.5°	2.3	2.3	2.3	0.0
-45°	2.3	2.3	2.3	0.0
-47.5°	2.3	2.3	2.3	0.0
-50°	2.3	2.3	2.3	0.0
-52.5°	2.3	2.3	2.3	0.0
-55°	2.3	2.3	2.3	0.0
-57.5°	2.3	2.3	2.3	0.0
-60°	2.3	2.3	0.0	0.0
-62.5°	2.3	2.3	0.0	0.0
-65°	2.3	2.3	0.0	0.0
-67.5°	2.3	2.3	0.0	0.0
-70°	2.3	2.3	0.0	0.0
-72.5°	2.3	2.3	0.0	0.0
-75°	2.3	2.3	0.0	0.0
-77.5°	2.3	0.0	0.0	0.0
-80°	2.3	0.0	0.0	0.0
-82.5°	2.3	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)