

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: P723648

Luminaire Tested: **IFLD-M-SA4A-727-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723648
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-727-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	8176 lumens	Max Intensity:	192352.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	63.6 lumens/watt		
Luminous Opening:	Rectangular (W 2' 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:	2965 lumens	Field Lumens:	4726.7 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

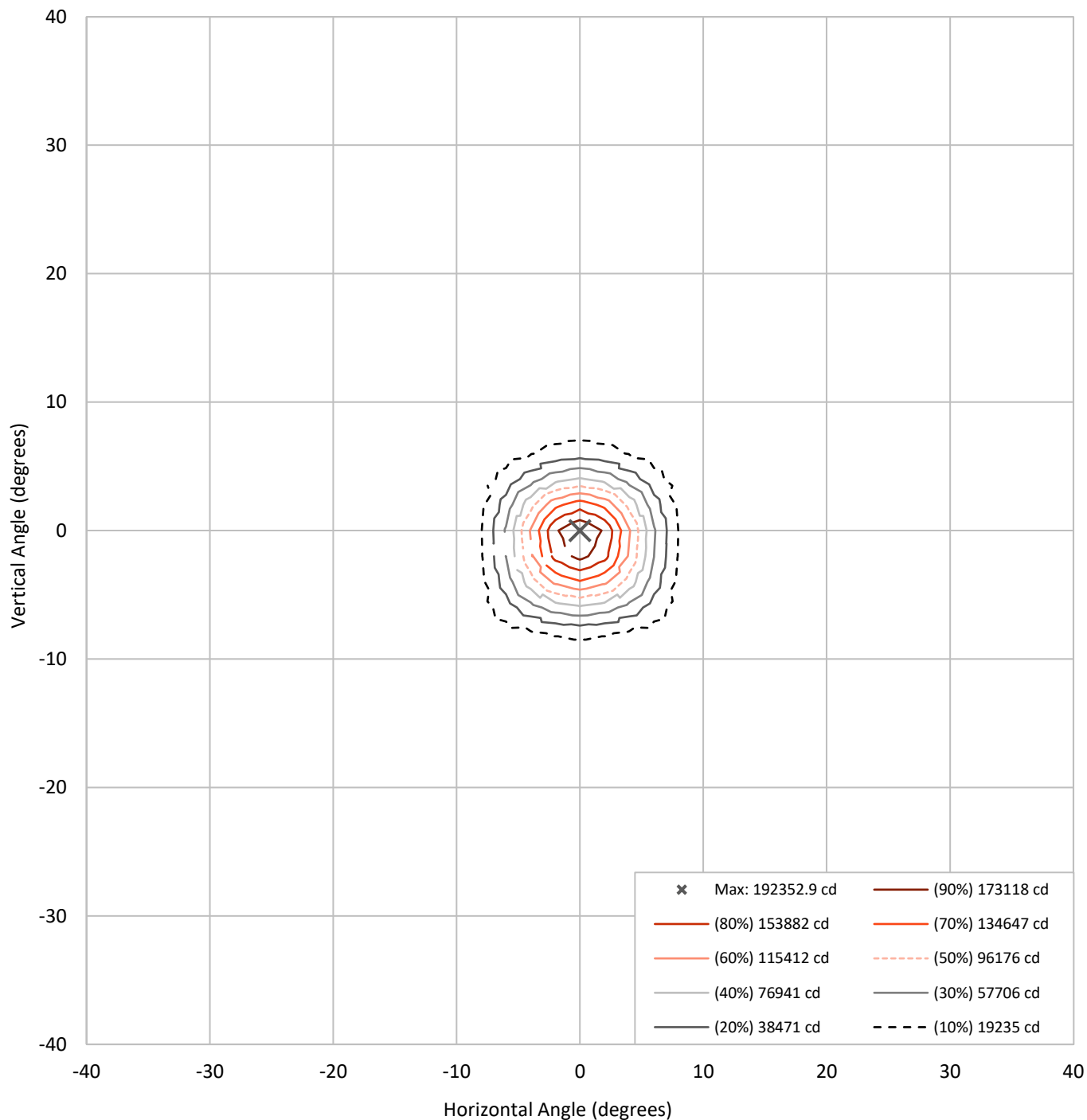
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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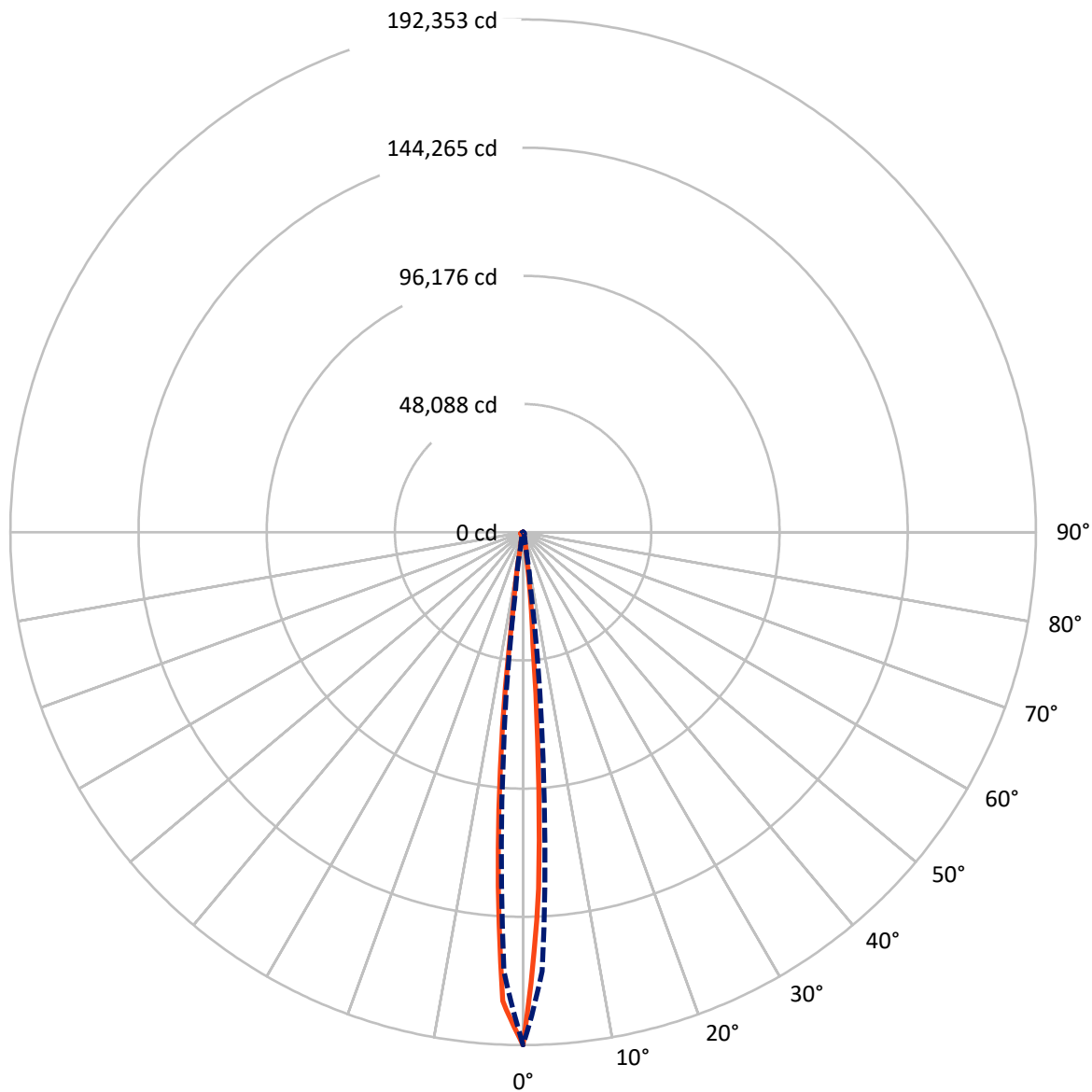
Lumen Table

Vertical Angle (degrees)																			
	0.1	1.8		2.0		0.8		0.2		0.8		2.0		1.8		0.1			
90																			
80																			
70	0.2	0.4	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.4	0.2			
60		0.3	0.4	1.0	2.1	3.4	4.4	5.1	5.1	4.4	3.4	2.1	1.0	0.4	0.3				
50	0.2	0.3	1.1	3.7	7.3	10.7	12.9	14.3	14.3	12.9	10.7	7.3	3.7	1.1	0.3	0.2			
40		0.5	2.8	7.6	12.4	14.6	15.8	16.3	16.3	15.8	14.6	12.4	7.6	2.8	0.5				
30	0.3	1.1	4.8	11.1	14.4	14.8	17.5	21.1	21.1	17.5	14.8	14.4	11.1	4.8	1.1	0.3			
20		1.7	6.8	13.7	15.4	17.3	30.5	51.9	51.9	30.5	17.3	15.4	13.7	6.8	1.7				
10	0.5	2.2	8.3	15.0	15.9	21.4	57.9	1073.3	1073.3	57.9	21.4	15.9	15.0	8.3	2.2	0.5			
0		2.5	9.1	15.8	16.5	22.1	62.4	1565.0	1565.0	62.4	22.1	16.5	15.8	9.1	2.5				
-10	0.8	2.7	9.4	16.6	17.9	19.9	36.3	69.6	69.6	36.3	19.9	17.9	16.6	9.4	2.7	0.8			
-20		2.5	8.9	16.8	20.1	20.1	23.5	28.7	28.7	23.5	20.1	20.1	16.8	8.9	2.5				
-30	0.9	2.3	7.9	16.1	22.1	24.1	25.0	25.2	25.2	25.0	24.1	22.1	16.1	7.9	2.3	0.9			
-40		2.0	6.3	13.7	21.3	25.9	29.0	30.4	30.4	29.0	25.9	21.3	13.7	6.3	2.0				
-50	0.7	1.8	4.9	10.6	18.2	24.4	28.3	30.0	30.0	28.3	24.4	18.2	10.6	4.9	1.8	0.7			
-60		1.7	4.3	8.6	15.1	21.3	25.8	27.9	27.9	25.8	21.3	15.1	8.6	4.3	1.7				
-70	0.3	5.1		15.1		27.9		30.8		27.9		15.1		5.1		0.3			
-80																			
-90																			
Horizontal Angle (degrees)																			
	-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



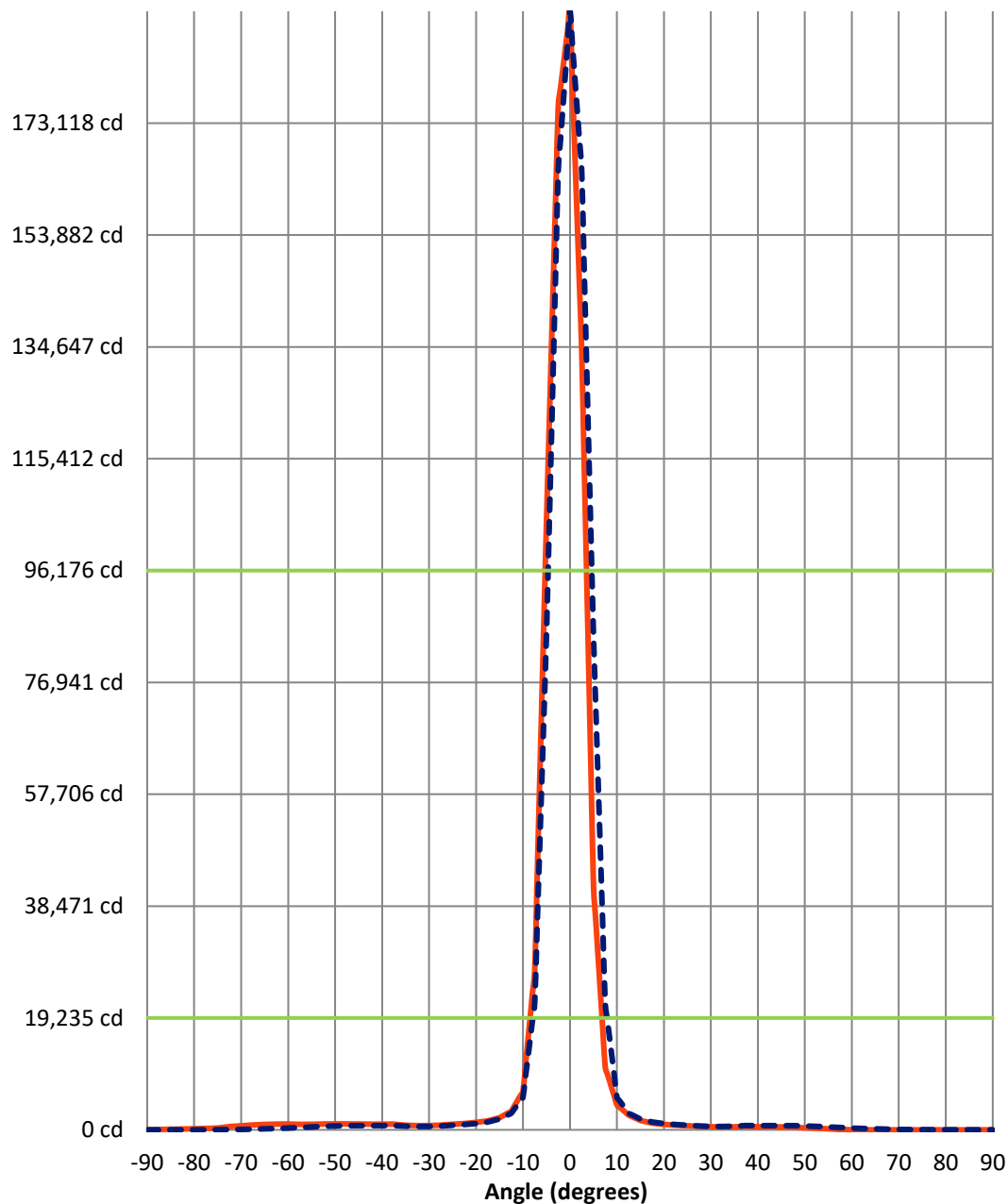
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 2965

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 4726.7

Efficiency: 57.8%

Spill:

Lumens: 3449.3

Efficiency: 42.2%

— 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	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	0.0	1.9	1.9	3.8	3.8	3.8	5.7	7.5	9.4	9.4	11.3
82.5°	0.0	1.9	1.9	3.8	3.8	5.7	5.7	9.4	11.3	13.2	17.0
80°	1.9	1.9	1.9	3.8	3.8	5.7	5.7	7.5	9.4	13.2	15.1
77.5°	0.0	1.9	1.9	1.9	3.8	3.8	3.8	5.7	7.5	9.4	11.3
75°	0.0	1.9	1.9	1.9	3.8	3.8	3.8	3.8	5.7	5.7	7.5
72.5°	0.0	0.0	0.0	1.9	1.9	3.8	3.8	3.8	5.7	5.7	5.7
70°	0.0	0.0	0.0	1.9	1.9	3.8	3.8	3.8	5.7	5.7	5.7
67.5°	0.0	0.0	0.0	1.9	1.9	3.8	3.8	3.8	5.7	5.7	5.7
65°	0.0	0.0	0.0	1.9	1.9	3.8	3.8	5.7	5.7	5.7	5.7
62.5°	1.9	1.9	1.9	3.8	5.7	5.7	7.5	9.4	9.4	9.4	9.4
60°	18.9	20.8	22.6	22.6	20.8	20.8	22.6	22.6	22.6	22.6	22.6
57.5°	51.0	54.7	56.6	56.6	56.6	54.7	62.3	64.2	56.6	52.8	58.5
55°	177.4	183.1	179.3	173.6	162.3	149.1	145.3	143.4	145.3	135.9	120.8
52.5°	258.6	264.2	262.3	258.6	251.0	241.6	234.0	226.5	218.9	203.8	186.9
50°	336.0	337.8	336.0	332.2	324.6	315.2	300.1	283.1	268.0	264.2	249.1
47.5°	422.8	428.4	428.4	426.6	420.9	403.9	381.3	356.7	345.4	341.6	326.5
45°	500.2	503.9	505.8	507.7	505.8	488.8	468.1	454.9	430.3	422.8	422.8
42.5°	520.9	522.8	524.7	526.6	532.2	519.0	502.0	479.4	473.7	471.9	468.1
40°	528.5	524.7	526.6	528.5	530.4	520.9	507.7	494.5	490.7	487.0	487.0
37.5°	600.2	583.2	570.0	558.7	549.2	539.8	526.6	515.3	505.8	498.3	505.8
35°	511.5	511.5	524.7	536.0	547.3	558.7	560.6	547.3	526.6	517.1	530.4
32.5°	522.8	522.8	522.8	526.6	530.4	539.8	549.2	554.9	570.0	553.0	553.0
30°	534.1	536.0	539.8	541.7	536.0	532.2	528.5	528.5	537.9	562.4	575.7
27.5°	600.2	600.2	594.5	587.0	570.0	543.6	530.4	511.5	513.4	524.7	556.8
25°	707.8	704.0	690.8	671.9	641.7	604.0	568.1	528.5	511.5	505.8	519.0
22.5°	809.7	804.0	787.0	770.1	745.5	707.8	647.4	587.0	534.1	511.5	505.8
20°	939.9	926.7	907.8	881.4	841.8	804.0	751.2	671.9	594.5	536.0	513.4
17.5°	1149.4	1132.4	1096.6	1049.4	981.5	922.9	847.4	771.9	685.1	590.8	539.8
15°	1608.1	1564.7	1502.4	1372.1	1238.1	1126.8	1013.5	887.1	798.4	673.8	596.4
12.5°	2529.1	2410.2	2229.0	1925.2	1625.1	1366.5	1183.4	1021.1	877.6	762.5	653.0
10°	4280.6	4025.8	3525.7	2695.2	2142.2	1666.6	1338.2	1121.1	939.9	821.0	700.2
7.5°	10826.1	8831.2	6249.2	4267.4	2802.8	2036.5	1530.7	1215.5	1006.0	858.8	738.0
5°	42194.8	34758.4	18541.9	7738.4	4216.5	2463.1	1704.3	1291.0	1049.4	887.1	766.3
2.5°	133913.2	115643.1	60672.5	16658.2	5177.1	2774.5	1823.2	1338.2	1073.9	907.8	787.0
0°	192352.9	164853.4	85150.2	21909.0	5615.0	2853.8	1861.0	1347.6	1077.7	911.6	787.0
-2.5°	175970.2	154008.4	82255.0	20387.7	5737.7	2876.4	1891.2	1379.7	1106.0	928.6	792.7
-5°	104560.3	91714.6	57379.0	14536.8	5097.9	2670.7	1811.9	1351.4	1087.1	919.2	788.9
-7.5°	27548.6	23849.2	15688.1	7585.5	3299.2	2259.2	1664.7	1304.2	1062.6	902.2	773.8
-10°	6641.8	6294.5	5622.6	3446.4	2568.8	1887.4	1475.9	1219.3	1013.5	879.5	749.3
-12.5°	3202.9	3127.4	2838.7	2340.4	1906.3	1568.4	1336.3	1130.6	968.2	839.9	715.3
-15°	2083.7	2040.3	1942.1	1751.5	1530.7	1368.4	1206.1	1040.0	911.6	781.4	687.0
-17.5°	1542.0	1540.1	1491.0	1419.3	1309.9	1189.1	1070.2	964.5	839.9	728.5	656.8
-20°	1277.8	1277.8	1249.5	1202.3	1124.9	1045.6	966.4	868.2	766.3	683.2	653.0

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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°	1085.3	1087.1	1072.0	1041.8	1000.3	934.3	856.9	777.6	704.0	673.8	664.4
-25°	960.7	956.9	939.9	911.6	868.2	815.4	764.4	711.6	690.8	683.2	696.5
-27.5°	813.5	819.1	811.6	798.4	770.1	732.3	721.0	705.9	709.7	721.0	771.9
-30°	726.7	732.3	739.9	745.5	736.1	726.7	730.4	741.7	766.3	809.7	828.6
-32.5°	726.7	728.5	739.9	751.2	756.8	764.4	785.2	822.9	858.8	847.4	843.7
-35°	792.7	787.0	802.1	817.2	838.0	864.4	887.1	879.5	866.3	862.5	866.3
-37.5°	981.5	945.6	930.5	921.1	915.4	911.6	906.0	900.3	894.6	890.9	896.5
-40°	979.6	970.1	960.7	953.1	947.5	939.9	936.2	934.3	928.6	924.8	921.1
-42.5°	975.8	979.6	979.6	977.7	979.6	977.7	972.0	964.5	955.0	947.5	939.9
-45°	1004.1	1006.0	1009.8	1013.5	1019.2	1011.6	1000.3	987.1	973.9	962.6	953.1
-47.5°	1021.1	1023.0	1026.7	1032.4	1036.2	1028.6	1013.5	996.5	975.8	956.9	938.0
-50°	1026.7	1032.4	1034.3	1034.3	1032.4	1023.0	1000.3	975.8	953.1	934.3	917.3
-52.5°	1000.3	1006.0	1007.9	1004.1	1002.2	992.8	972.0	949.4	924.8	911.6	896.5
-55°	956.9	964.5	970.1	970.1	970.1	968.2	949.4	928.6	909.7	894.6	879.5
-57.5°	939.9	953.1	964.5	966.4	968.2	970.1	956.9	936.2	913.5	890.9	872.0
-60°	1002.2	1013.5	1019.2	1011.6	1006.0	1000.3	979.6	955.0	932.4	909.7	873.9
-62.5°	985.2	1004.1	1013.5	1007.9	1000.3	990.9	968.2	939.9	913.5	889.0	853.1
-65°	930.5	947.5	958.8	949.4	938.0	924.8	904.1	877.6	853.1	828.6	796.5
-67.5°	838.0	862.5	881.4	860.7	845.6	828.6	811.6	788.9	764.4	736.1	705.9
-70°	692.7	711.6	728.5	722.9	719.1	715.3	704.0	681.4	660.6	637.9	611.5
-72.5°	556.8	573.8	588.9	579.4	571.9	560.6	543.6	519.0	494.5	470.0	445.4
-75°	307.6	313.3	319.0	317.1	317.1	317.1	317.1	319.0	315.2	309.5	298.2
-77.5°	235.9	243.5	249.1	252.9	258.6	266.1	271.8	262.3	252.9	243.5	232.2
-80°	185.0	192.5	198.2	218.9	234.0	251.0	262.3	249.1	235.9	224.6	215.2
-82.5°	139.7	145.3	151.0	162.3	169.9	179.3	186.9	186.9	185.0	183.1	177.4
-85°	101.9	109.5	117.0	120.8	126.5	126.5	128.3	120.8	113.2	107.6	100.0
-87.5°	58.5	60.4	60.4	60.4	62.3	62.3	62.3	58.5	56.6	52.8	51.0
-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°	1.9	1.9	1.9	3.8	3.8	5.7	5.7	7.5	7.5	9.4	9.4
85°	11.3	11.3	11.3	13.2	13.2	15.1	17.0	18.9	20.8	20.8	22.6
82.5°	18.9	20.8	22.6	24.5	26.4	28.3	30.2	32.1	37.7	41.5	43.4
80°	18.9	20.8	26.4	30.2	34.0	37.7	37.7	37.7	37.7	39.6	43.4
77.5°	13.2	15.1	17.0	20.8	30.2	37.7	43.4	47.2	43.4	41.5	37.7
75°	7.5	9.4	11.3	13.2	18.9	26.4	35.9	45.3	52.8	51.0	47.2
72.5°	7.5	7.5	9.4	11.3	13.2	15.1	17.0	26.4	37.7	47.2	52.8
70°	7.5	9.4	9.4	11.3	13.2	15.1	17.0	20.8	26.4	37.7	49.1
67.5°	7.5	9.4	9.4	13.2	17.0	18.9	20.8	18.9	17.0	24.5	35.9
65°	7.5	7.5	9.4	11.3	13.2	15.1	20.8	20.8	18.9	18.9	18.9
62.5°	11.3	11.3	11.3	11.3	13.2	13.2	13.2	17.0	17.0	17.0	17.0
60°	22.6	20.8	20.8	20.8	20.8	17.0	17.0	17.0	15.1	17.0	15.1
57.5°	54.7	45.3	41.5	41.5	35.9	34.0	28.3	20.8	20.8	17.0	17.0
55°	111.4	105.7	88.7	73.6	66.1	58.5	45.3	37.7	28.3	22.6	20.8
52.5°	171.8	156.7	141.6	122.7	103.8	88.7	75.5	58.5	47.2	34.0	26.4
50°	224.6	211.4	194.4	173.6	149.1	130.2	111.4	88.7	69.8	52.8	37.7
47.5°	305.8	279.3	258.6	234.0	205.7	179.3	154.8	128.3	98.1	77.4	58.5
45°	392.6	354.8	326.5	303.9	266.1	230.3	202.0	173.6	137.8	101.9	79.3
42.5°	453.0	424.7	386.9	356.7	322.7	285.0	247.2	217.1	179.3	137.8	101.9
40°	485.1	466.2	436.0	409.6	373.7	332.2	292.5	262.3	222.7	177.4	128.3
37.5°	509.6	500.2	485.1	464.3	430.3	381.3	341.6	305.8	271.8	218.9	166.1
35°	537.9	536.0	526.6	517.1	488.8	441.7	394.5	352.9	311.4	262.3	203.8
32.5°	564.3	562.4	556.8	553.0	541.7	500.2	449.2	402.0	354.8	303.9	239.7
30°	577.5	573.8	573.8	577.5	566.2	539.8	502.0	451.1	398.2	337.8	277.4
27.5°	577.5	573.8	575.7	581.3	579.4	566.2	537.9	496.4	437.9	369.9	311.4
25°	553.0	571.9	571.9	579.4	581.3	577.5	562.4	536.0	475.6	403.9	337.8
22.5°	519.0	564.3	581.3	579.4	581.3	590.8	592.6	568.1	511.5	437.9	364.3
20°	519.0	551.1	600.2	587.0	590.8	611.5	621.0	600.2	549.2	470.0	390.7
17.5°	530.4	551.1	592.6	613.4	619.1	636.1	651.2	637.9	583.2	503.9	426.6
15°	562.4	558.7	587.0	637.9	647.4	660.6	677.6	662.5	613.4	541.7	460.5
12.5°	585.1	564.3	587.0	641.7	671.9	685.1	690.8	679.5	639.8	575.7	494.5
10°	615.3	579.4	590.8	637.9	681.4	690.8	696.5	692.7	664.4	604.0	524.7
7.5°	637.9	587.0	587.0	632.3	690.8	698.3	702.1	705.9	685.1	628.5	551.1
5°	647.4	587.0	583.2	626.6	700.2	707.8	707.8	713.4	700.2	647.4	570.0
2.5°	649.3	585.1	579.4	622.8	717.2	717.2	713.4	719.1	711.6	658.7	583.2
0°	658.7	583.2	577.5	628.5	736.1	728.5	719.1	721.0	717.2	664.4	590.8
-2.5°	658.7	592.6	585.1	632.3	734.2	732.3	728.5	730.4	726.7	681.4	605.9
-5°	668.1	605.9	598.3	649.3	732.3	738.0	739.9	739.9	734.2	692.7	615.3
-7.5°	670.0	615.3	613.4	666.3	736.1	745.5	751.2	755.0	743.6	700.2	622.8
-10°	660.6	619.1	628.5	687.0	739.9	753.1	764.4	770.1	751.2	704.0	626.6
-12.5°	639.8	619.1	643.6	713.4	749.3	764.4	781.4	783.3	758.7	705.9	628.5
-15°	637.9	634.2	670.0	739.9	755.0	773.8	800.3	794.6	764.4	705.9	628.5
-17.5°	636.1	654.9	709.7	749.3	764.4	785.2	805.9	800.3	768.2	705.9	624.7
-20°	653.0	688.9	756.8	758.7	775.7	798.4	809.7	798.4	762.5	700.2	619.1

REPORT NUMBER: P723648

CATALOG NUMBER: IFLD-M-SA4A-727-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°	681.4	749.3	771.9	779.5	794.6	811.6	817.2	800.3	756.8	690.8	609.6
-25°	753.1	787.0	787.0	804.0	819.1	826.7	821.0	802.1	749.3	681.4	600.2
-27.5°	807.8	805.9	815.4	832.3	845.6	845.6	830.5	792.7	738.0	671.9	587.0
-30°	828.6	830.5	843.7	862.5	866.3	856.9	834.2	785.2	728.5	656.8	570.0
-32.5°	849.3	856.9	873.9	883.3	885.2	866.3	824.8	771.9	713.4	639.8	551.1
-35°	873.9	889.0	898.4	900.3	890.9	858.8	811.6	755.0	690.8	615.3	534.1
-37.5°	906.0	913.5	919.2	911.6	885.2	847.4	788.9	732.3	670.0	588.9	509.6
-40°	926.7	930.5	932.4	907.8	875.8	821.0	764.4	705.9	634.2	558.7	483.2
-42.5°	939.9	936.2	921.1	894.6	847.4	794.6	739.9	673.8	602.1	528.5	454.9
-45°	936.2	922.9	900.3	868.2	819.1	766.3	702.1	636.1	568.1	496.4	422.8
-47.5°	921.1	900.3	872.0	834.2	788.9	724.8	660.6	596.4	530.4	460.5	392.6
-50°	902.2	877.6	843.7	796.5	736.1	677.6	619.1	556.8	488.8	424.7	364.3
-52.5°	881.4	855.0	811.6	758.7	692.7	632.3	575.7	515.3	453.0	392.6	339.7
-55°	858.8	832.3	783.3	722.9	656.8	590.8	536.0	485.1	424.7	366.2	319.0
-57.5°	847.4	813.5	762.5	702.1	632.3	564.3	517.1	462.4	407.7	347.3	302.0
-60°	838.0	804.0	756.8	687.0	621.0	556.8	502.0	449.2	390.7	334.1	288.8
-62.5°	811.6	775.7	732.3	664.4	600.2	541.7	492.6	430.3	373.7	320.9	279.3
-65°	758.7	721.0	683.2	622.8	564.3	509.6	460.5	403.9	351.1	305.8	269.9
-67.5°	675.7	643.6	609.6	558.7	509.6	460.5	415.2	366.2	322.7	290.7	271.8
-70°	583.2	549.2	515.3	473.7	432.2	392.6	356.7	320.9	292.5	275.6	260.5
-72.5°	424.7	409.6	392.6	360.5	326.5	302.0	285.0	269.9	249.1	234.0	224.6
-75°	283.1	262.3	235.9	224.6	226.5	222.7	213.3	202.0	192.5	186.9	173.6
-77.5°	220.8	209.5	196.3	183.1	177.4	171.8	164.2	154.8	147.2	134.0	115.1
-80°	203.8	194.4	185.0	175.5	166.1	152.9	137.8	122.7	115.1	109.5	107.6
-82.5°	168.0	156.7	145.3	135.9	122.7	113.2	103.8	96.3	96.3	94.4	92.5
-85°	96.3	92.5	86.8	83.0	79.3	73.6	67.9	64.2	62.3	60.4	58.5
-87.5°	49.1	47.2	43.4	41.5	39.6	37.7	34.0	32.1	30.2	30.2	28.3
-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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CATALOG NUMBER: IFLD-M-SA4A-727-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°	9.4	9.4	7.5	7.5	7.5	5.7	3.8	3.8	1.9	1.9	0.0
85°	22.6	18.9	17.0	15.1	15.1	11.3	7.5	5.7	3.8	1.9	1.9
82.5°	43.4	37.7	32.1	28.3	22.6	17.0	13.2	9.4	5.7	3.8	1.9
80°	49.1	49.1	47.2	39.6	32.1	24.5	17.0	11.3	7.5	5.7	3.8
77.5°	37.7	41.5	41.5	41.5	39.6	30.2	20.8	13.2	7.5	5.7	3.8
75°	43.4	37.7	35.9	37.7	35.9	30.2	24.5	15.1	9.4	7.5	3.8
72.5°	52.8	45.3	39.6	37.7	34.0	28.3	22.6	17.0	9.4	7.5	5.7
70°	49.1	47.2	43.4	39.6	34.0	28.3	22.6	17.0	11.3	7.5	5.7
67.5°	43.4	43.4	43.4	39.6	34.0	26.4	20.8	15.1	11.3	7.5	5.7
65°	30.2	35.9	39.6	37.7	34.0	26.4	20.8	15.1	11.3	9.4	5.7
62.5°	18.9	24.5	32.1	35.9	32.1	26.4	18.9	15.1	11.3	9.4	5.7
60°	17.0	18.9	22.6	28.3	30.2	24.5	18.9	13.2	11.3	9.4	5.7
57.5°	17.0	17.0	18.9	22.6	24.5	22.6	17.0	11.3	11.3	9.4	7.5
55°	18.9	17.0	17.0	18.9	20.8	20.8	17.0	11.3	11.3	9.4	7.5
52.5°	22.6	18.9	17.0	17.0	17.0	18.9	15.1	11.3	11.3	9.4	7.5
50°	28.3	22.6	20.8	17.0	17.0	17.0	15.1	11.3	9.4	9.4	7.5
47.5°	37.7	30.2	22.6	20.8	17.0	15.1	13.2	11.3	9.4	9.4	7.5
45°	56.6	35.9	30.2	22.6	18.9	17.0	15.1	11.3	9.4	9.4	7.5
42.5°	77.4	52.8	37.7	26.4	20.8	17.0	15.1	13.2	9.4	9.4	7.5
40°	98.1	71.7	47.2	34.0	24.5	18.9	15.1	13.2	11.3	9.4	7.5
37.5°	120.8	88.7	62.3	43.4	28.3	20.8	17.0	13.2	11.3	9.4	7.5
35°	149.1	111.4	77.4	52.8	34.0	24.5	18.9	13.2	11.3	9.4	7.5
32.5°	181.2	132.1	92.5	64.2	43.4	30.2	20.8	15.1	11.3	9.4	7.5
30°	211.4	156.7	109.5	77.4	52.8	34.0	22.6	15.1	11.3	9.4	5.7
27.5°	241.6	181.2	130.2	90.6	64.2	39.6	24.5	17.0	11.3	9.4	7.5
25°	271.8	205.7	151.0	103.8	73.6	47.2	30.2	18.9	11.3	9.4	7.5
22.5°	298.2	230.3	169.9	118.9	84.9	54.7	34.0	20.8	13.2	9.4	7.5
20°	328.4	256.7	190.6	135.9	94.4	62.3	37.7	22.6	13.2	9.4	7.5
17.5°	356.7	283.1	211.4	151.0	105.7	69.8	43.4	24.5	15.1	9.4	7.5
15°	385.0	307.6	230.3	166.1	117.0	77.4	47.2	26.4	17.0	9.4	7.5
12.5°	411.5	330.3	247.2	179.3	126.5	84.9	51.0	28.3	18.9	9.4	7.5
10°	436.0	351.1	264.2	190.6	135.9	90.6	54.7	32.1	20.8	9.4	7.5
7.5°	460.5	368.0	277.4	202.0	147.2	98.1	58.5	34.0	22.6	11.3	7.5
5°	475.6	383.1	288.8	211.4	156.7	105.7	62.3	35.9	24.5	11.3	7.5
2.5°	488.8	394.5	296.3	220.8	166.1	111.4	62.3	37.7	26.4	11.3	7.5
0°	496.4	402.0	302.0	226.5	173.6	115.1	64.2	39.6	28.3	11.3	7.5
-2.5°	513.4	415.2	315.2	234.0	181.2	126.5	67.9	41.5	30.2	13.2	7.5
-5°	524.7	422.8	324.6	241.6	186.9	137.8	73.6	45.3	34.0	17.0	9.4
-7.5°	534.1	430.3	332.2	245.4	192.5	141.6	75.5	47.2	35.9	18.9	9.4
-10°	536.0	434.1	337.8	251.0	196.3	147.2	77.4	49.1	37.7	20.8	9.4
-12.5°	537.9	437.9	339.7	254.8	200.1	151.0	79.3	51.0	39.6	22.6	9.4
-15°	536.0	436.0	339.7	258.6	202.0	147.2	83.0	52.8	41.5	24.5	9.4
-17.5°	532.2	434.1	337.8	256.7	200.1	143.4	84.9	56.6	41.5	26.4	11.3
-20°	526.6	428.4	334.1	254.8	198.2	139.7	86.8	58.5	43.4	26.4	11.3

REPORT NUMBER: P723648

CATALOG NUMBER: IFLD-M-SA4A-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	517.1	419.0	326.5	249.1	194.4	135.9	86.8	62.3	45.3	26.4	11.3
-25°	505.8	409.6	319.0	241.6	188.7	130.2	86.8	64.2	47.2	26.4	11.3
-27.5°	492.6	400.1	307.6	235.9	181.2	126.5	86.8	66.1	49.1	26.4	11.3
-30°	477.5	386.9	298.2	226.5	175.5	126.5	88.7	67.9	51.0	26.4	11.3
-32.5°	462.4	373.7	286.9	218.9	168.0	124.6	88.7	69.8	52.8	24.5	13.2
-35°	445.4	358.6	277.4	213.3	162.3	120.8	90.6	69.8	51.0	24.5	13.2
-37.5°	424.7	339.7	268.0	207.6	158.5	117.0	90.6	71.7	49.1	24.5	13.2
-40°	402.0	324.6	256.7	200.1	152.9	115.1	90.6	71.7	47.2	24.5	15.1
-42.5°	377.5	307.6	245.4	192.5	147.2	113.2	90.6	71.7	45.3	24.5	15.1
-45°	354.8	290.7	232.2	183.1	141.6	113.2	90.6	69.8	41.5	26.4	15.1
-47.5°	330.3	271.8	217.1	173.6	139.7	111.4	88.7	66.1	37.7	26.4	15.1
-50°	309.5	252.9	205.7	164.2	135.9	113.2	90.6	60.4	37.7	26.4	15.1
-52.5°	288.8	239.7	192.5	160.4	132.1	115.1	88.7	56.6	37.7	26.4	15.1
-55°	271.8	226.5	185.0	154.8	135.9	118.9	84.9	51.0	37.7	26.4	15.1
-57.5°	258.6	218.9	179.3	156.7	141.6	115.1	79.3	49.1	37.7	24.5	15.1
-60°	249.1	211.4	181.2	164.2	143.4	109.5	75.5	49.1	37.7	24.5	13.2
-62.5°	241.6	213.3	190.6	169.9	135.9	101.9	71.7	49.1	34.0	22.6	13.2
-65°	243.5	220.8	194.4	162.3	130.2	94.4	66.1	47.2	32.1	20.8	13.2
-67.5°	249.1	215.2	183.1	152.9	117.0	84.9	60.4	43.4	30.2	20.8	13.2
-70°	230.3	198.2	166.1	130.2	100.0	73.6	56.6	39.6	26.4	18.9	13.2
-72.5°	207.6	166.1	132.1	105.7	84.9	67.9	51.0	35.9	24.5	17.0	11.3
-75°	151.0	120.8	98.1	88.7	75.5	60.4	45.3	32.1	22.6	17.0	11.3
-77.5°	107.6	100.0	90.6	81.2	67.9	52.8	39.6	30.2	20.8	15.1	9.4
-80°	105.7	96.3	84.9	69.8	56.6	45.3	34.0	26.4	18.9	13.2	7.5
-82.5°	88.7	75.5	64.2	52.8	43.4	35.9	28.3	20.8	15.1	9.4	5.7
-85°	54.7	47.2	41.5	35.9	30.2	24.5	18.9	13.2	9.4	5.7	3.8
-87.5°	26.4	24.5	20.8	17.0	15.1	11.3	9.4	7.5	5.7	3.8	1.9
-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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CATALOG NUMBER: IFLD-M-SA4A-727-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°	1.9	0.0	0.0	0.0
80°	1.9	0.0	0.0	0.0
77.5°	1.9	0.0	0.0	0.0
75°	1.9	1.9	0.0	0.0
72.5°	1.9	1.9	0.0	0.0
70°	3.8	1.9	1.9	0.0
67.5°	3.8	1.9	1.9	0.0
65°	3.8	1.9	1.9	0.0
62.5°	3.8	1.9	1.9	0.0
60°	3.8	1.9	1.9	0.0
57.5°	3.8	1.9	1.9	0.0
55°	3.8	1.9	1.9	0.0
52.5°	3.8	1.9	1.9	0.0
50°	3.8	1.9	1.9	0.0
47.5°	3.8	3.8	1.9	0.0
45°	3.8	3.8	1.9	0.0
42.5°	3.8	3.8	1.9	0.0
40°	3.8	3.8	1.9	0.0
37.5°	3.8	3.8	1.9	0.0
35°	3.8	3.8	1.9	0.0
32.5°	5.7	3.8	1.9	0.0
30°	5.7	3.8	3.8	0.0
27.5°	5.7	3.8	3.8	0.0
25°	5.7	3.8	3.8	0.0
22.5°	5.7	3.8	3.8	0.0
20°	5.7	3.8	3.8	0.0
17.5°	5.7	3.8	3.8	0.0
15°	5.7	3.8	3.8	0.0
12.5°	5.7	3.8	3.8	0.0
10°	5.7	3.8	3.8	0.0
7.5°	5.7	3.8	3.8	0.0
5°	5.7	3.8	3.8	0.0
2.5°	5.7	3.8	3.8	0.0
0°	5.7	3.8	3.8	0.0
-2.5°	5.7	3.8	3.8	0.0
-5°	5.7	3.8	3.8	0.0
-7.5°	5.7	3.8	3.8	0.0
-10°	5.7	3.8	3.8	0.0
-12.5°	7.5	3.8	3.8	0.0
-15°	7.5	3.8	3.8	0.0
-17.5°	7.5	3.8	3.8	0.0
-20°	7.5	3.8	3.8	0.0

REPORT NUMBER: P723648

CATALOG NUMBER: IFLD-M-SA4A-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	7.5	3.8	3.8	0.0
-25°	7.5	3.8	3.8	0.0
-27.5°	7.5	3.8	3.8	0.0
-30°	7.5	3.8	3.8	0.0
-32.5°	7.5	3.8	3.8	0.0
-35°	7.5	3.8	3.8	0.0
-37.5°	7.5	3.8	3.8	0.0
-40°	7.5	3.8	3.8	0.0
-42.5°	5.7	3.8	1.9	0.0
-45°	7.5	3.8	1.9	0.0
-47.5°	7.5	3.8	1.9	0.0
-50°	7.5	3.8	1.9	0.0
-52.5°	7.5	3.8	1.9	0.0
-55°	7.5	3.8	1.9	0.0
-57.5°	7.5	3.8	1.9	0.0
-60°	7.5	3.8	1.9	0.0
-62.5°	7.5	3.8	1.9	0.0
-65°	7.5	3.8	1.9	0.0
-67.5°	7.5	3.8	1.9	0.0
-70°	7.5	1.9	1.9	0.0
-72.5°	5.7	1.9	1.9	0.0
-75°	5.7	1.9	1.9	0.0
-77.5°	3.8	1.9	0.0	0.0
-80°	3.8	1.9	0.0	0.0
-82.5°	3.8	1.9	0.0	0.0
-85°	1.9	0.0	0.0	0.0
-87.5°	1.9	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)