

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: P723619

Luminaire Tested: **IFLD-M-SA4A-722-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723619
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-722-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	7201.3 lumens	Max Intensity:	169421.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	56.0 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:	2611.5 lumens	Field Lumens:	4163.2 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

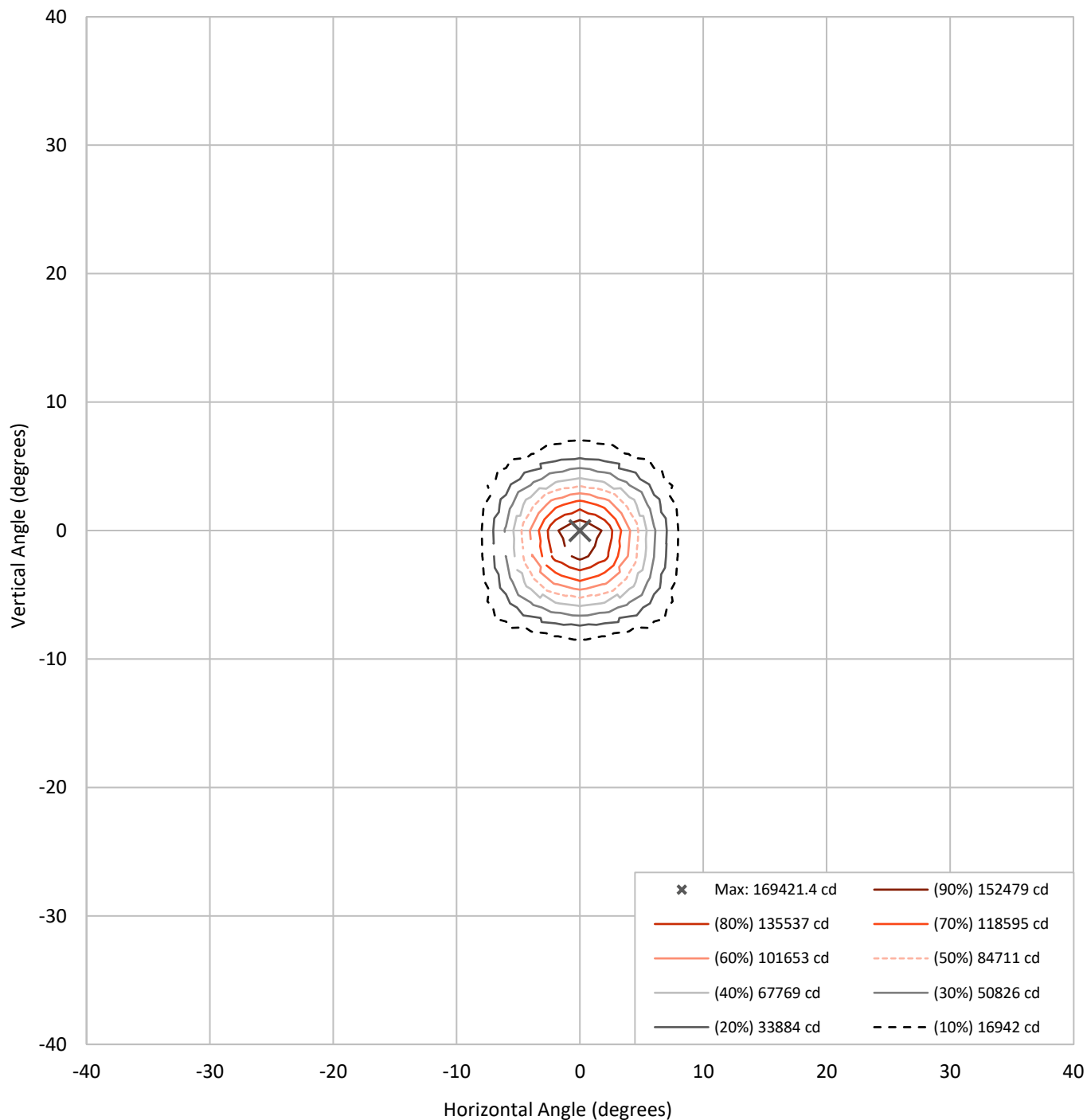
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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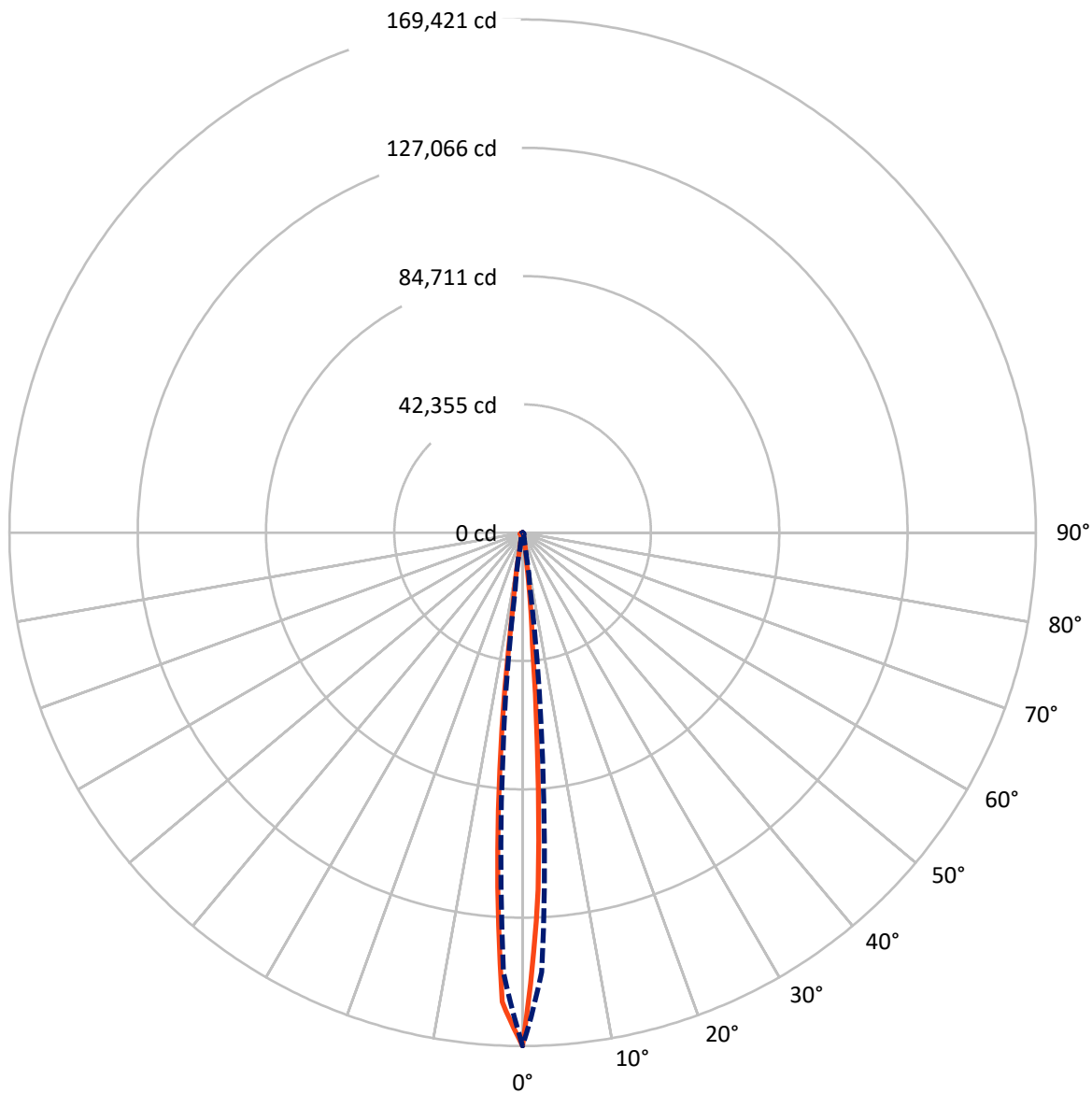
Lumen Table

Vertical Angle (degrees)																
	0.1	1.6		1.7		0.7		0.2		0.7		1.7		1.6		0.1
90																
80																
70	0.2	0.4	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.4	0.2
60		0.2	0.3	0.8	1.9	3.0	3.9	4.5	4.5	3.9	3.0	1.9	0.8	0.3	0.2	
50	0.2	0.2	1.0	3.3	6.5	9.4	11.4	12.6	12.6	11.4	9.4	6.5	3.3	1.0	0.2	0.2
40		0.5	2.5	6.7	11.0	12.9	13.9	14.4	14.4	13.9	12.9	11.0	6.7	2.5	0.5	
30	0.3	0.9	4.3	9.8	12.7	13.1	15.4	18.6	18.6	15.4	13.1	12.7	9.8	4.3	0.9	0.3
20		1.5	6.0	12.0	13.5	15.3	26.8	45.7	45.7	26.8	15.3	13.5	12.0	6.0	1.5	
10	0.5	1.9	7.3	13.2	14.0	18.8	51.0	945.4	945.4	51.0	18.8	14.0	13.2	7.3	1.9	0.5
0		2.2	8.0	13.9	14.5	19.5	55.0	1378.4	1378.4	55.0	19.5	14.5	13.9	8.0	2.2	
-10	0.7	2.4	8.2	14.6	15.7	17.6	31.9	61.3	61.3	31.9	17.6	15.7	14.6	8.2	2.4	0.7
-20		2.2	7.8	14.8	17.7	17.7	20.7	25.2	25.2	20.7	17.7	17.7	14.8	7.8	2.2	
-30	0.8	2.0	6.9	14.2	19.4	21.2	22.1	22.2	22.2	22.1	21.2	19.4	14.2	6.9	2.0	0.8
-40		1.7	5.6	12.0	18.7	22.8	25.6	26.8	26.8	25.6	22.8	18.7	12.0	5.6	1.7	
-50	0.6	1.6	4.3	9.3	16.0	21.5	24.9	26.4	26.4	24.9	21.5	16.0	9.3	4.3	1.6	0.6
-60		1.5	3.8	7.6	13.3	18.8	22.7	24.5	24.5	22.7	18.8	13.3	7.6	3.8	1.5	
-70	0.3	0.3	4.5	13.3	24.6	27.1	24.6	13.3	4.5	0.3	0.3	4.5	13.3	24.6	27.1	0.3
-80		0.3	4.5	13.3	24.6	27.1	24.6	13.3	4.5	0.3	0.3	4.5	13.3	24.6	27.1	
-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



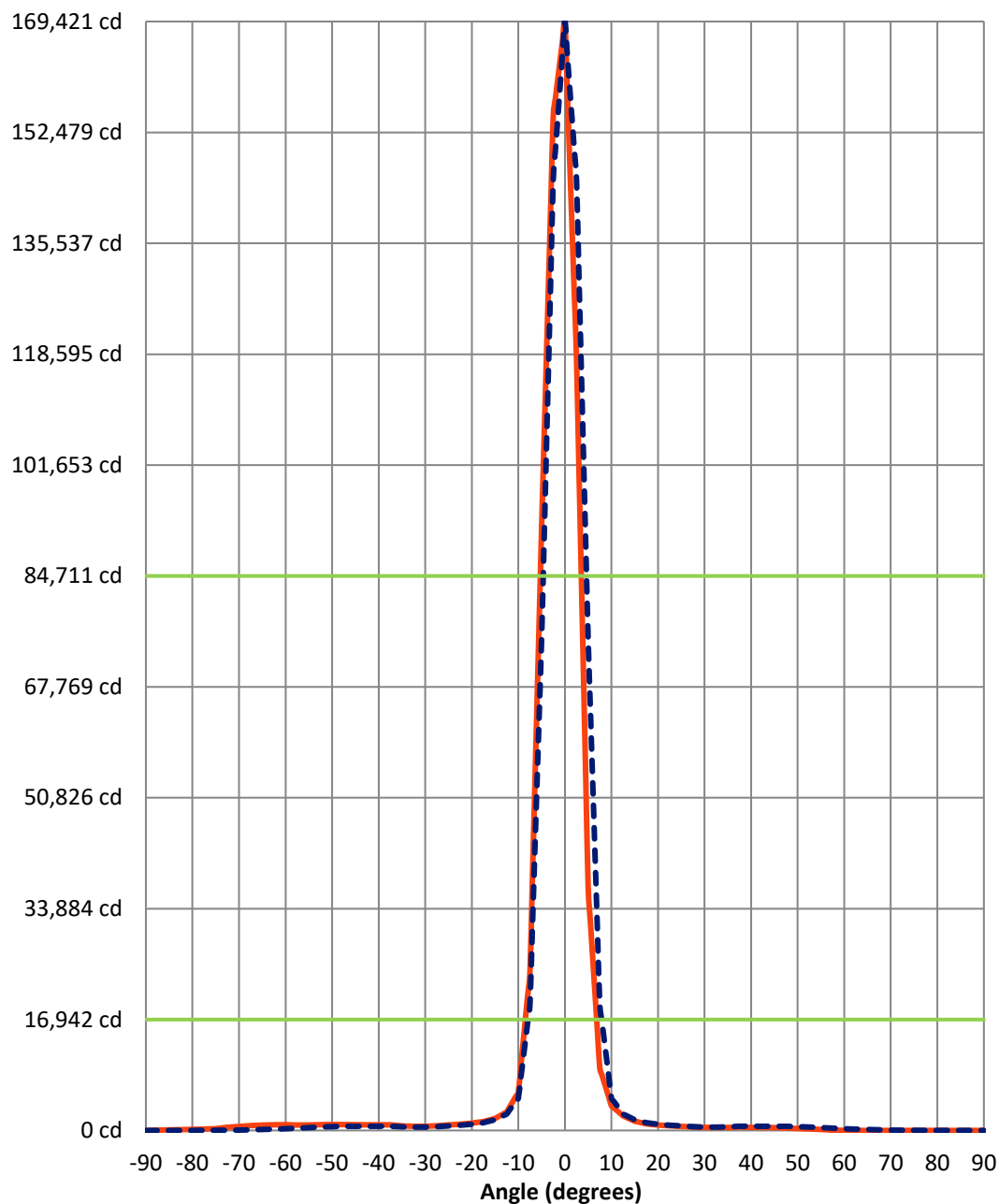
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 2611.5

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 4163.2

Efficiency: 57.8%

Spill:

Lumens: 3038.1

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	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	0.0	1.7	1.7	3.3	3.3	3.3	5.0	6.6	8.3	8.3	10.0
82.5°	0.0	1.7	1.7	3.3	3.3	5.0	5.0	8.3	10.0	11.6	15.0
80°	1.7	1.7	1.7	3.3	3.3	5.0	5.0	6.6	8.3	11.6	13.3
77.5°	0.0	1.7	1.7	1.7	3.3	3.3	3.3	5.0	6.6	8.3	10.0
75°	0.0	1.7	1.7	1.7	3.3	3.3	3.3	3.3	5.0	5.0	6.6
72.5°	0.0	0.0	0.0	1.7	1.7	3.3	3.3	3.3	5.0	5.0	5.0
70°	0.0	0.0	0.0	1.7	1.7	3.3	3.3	3.3	5.0	5.0	5.0
67.5°	0.0	0.0	0.0	1.7	1.7	3.3	3.3	3.3	5.0	5.0	5.0
65°	0.0	0.0	0.0	1.7	1.7	3.3	3.3	5.0	5.0	5.0	5.0
62.5°	1.7	1.7	1.7	3.3	5.0	5.0	6.6	8.3	8.3	8.3	8.3
60°	16.6	18.3	19.9	19.9	18.3	18.3	19.9	19.9	19.9	19.9	19.9
57.5°	44.9	48.2	49.9	49.9	49.9	48.2	54.9	56.5	49.9	46.5	51.5
55°	156.3	161.3	157.9	152.9	143.0	131.3	128.0	126.3	128.0	119.7	106.4
52.5°	227.7	232.7	231.1	227.7	221.1	212.8	206.1	199.5	192.8	179.5	164.6
50°	295.9	297.6	295.9	292.6	285.9	277.6	264.3	249.4	236.1	232.7	219.4
47.5°	372.4	377.4	377.4	375.7	370.7	355.8	335.8	314.2	304.2	300.9	287.6
45°	440.5	443.9	445.5	447.2	445.5	430.6	412.3	400.6	379.0	372.4	372.4
42.5°	458.8	460.5	462.1	463.8	468.8	457.2	442.2	422.2	417.3	415.6	412.3
40°	465.5	462.1	463.8	465.5	467.1	458.8	447.2	435.5	432.2	428.9	428.9
37.5°	528.6	513.7	502.0	492.1	483.8	475.4	463.8	453.8	445.5	438.9	445.5
35°	450.5	450.5	462.1	472.1	482.1	492.1	493.7	482.1	463.8	455.5	467.1
32.5°	460.5	460.5	460.5	463.8	467.1	475.4	483.8	488.7	502.0	487.1	487.1
30°	470.5	472.1	475.4	477.1	472.1	468.8	465.5	465.5	473.8	495.4	507.0
27.5°	528.6	528.6	523.7	517.0	502.0	478.8	467.1	450.5	452.2	462.1	490.4
25°	623.4	620.1	608.4	591.8	565.2	532.0	500.4	465.5	450.5	445.5	457.2
22.5°	713.2	708.2	693.2	678.3	656.6	623.4	570.2	517.0	470.5	450.5	445.5
20°	827.9	816.2	799.6	776.3	741.4	708.2	661.6	591.8	523.7	472.1	452.2
17.5°	1012.4	997.4	965.9	924.3	864.4	812.9	746.4	679.9	603.4	520.3	475.4
15°	1416.4	1378.1	1323.3	1208.6	1090.5	992.5	892.7	781.3	703.2	593.5	525.3
12.5°	2227.6	2122.9	1963.3	1695.6	1431.3	1203.6	1042.3	899.4	773.0	671.6	575.2
10°	3770.3	3545.9	3105.4	2373.9	1886.8	1467.9	1178.6	987.5	827.9	723.1	616.7
7.5°	9535.5	7778.4	5504.2	3758.7	2468.7	1793.7	1348.2	1070.6	886.1	756.4	650.0
5°	37164.5	30614.7	16331.4	6815.8	3713.8	2169.4	1501.1	1137.1	924.3	781.3	674.9
2.5°	117948.7	101856.7	53439.4	14672.3	4560.0	2443.7	1605.9	1178.6	945.9	799.6	693.2
0°	169421.4	145200.3	74999.0	19297.1	4945.6	2513.5	1639.1	1187.0	949.2	802.9	693.2
-2.5°	154991.8	135648.2	72448.9	17957.2	5053.7	2533.5	1665.7	1215.2	974.2	817.9	698.2
-5°	92095.1	80780.8	50538.5	12803.8	4490.1	2352.3	1595.9	1190.3	957.5	809.6	694.9
-7.5°	24264.3	21006.0	13817.8	6681.2	2905.9	1989.9	1466.2	1148.7	935.9	794.6	681.6
-10°	5850.0	5544.1	4952.3	3035.5	2262.5	1662.4	1300.0	1073.9	892.7	774.7	660.0
-12.5°	2821.1	2754.6	2500.2	2061.4	1679.0	1381.5	1177.0	995.8	852.8	739.8	630.0
-15°	1835.3	1797.1	1710.6	1542.7	1348.2	1205.2	1062.3	916.0	802.9	688.2	605.1
-17.5°	1358.2	1356.5	1313.3	1250.1	1153.7	1047.3	942.6	849.5	739.8	641.7	578.5
-20°	1125.4	1125.4	1100.5	1058.9	990.8	921.0	851.1	764.7	674.9	601.8	575.2

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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°	955.9	957.5	944.2	917.6	881.1	822.9	754.7	684.9	620.1	593.5	585.2
-25°	846.2	842.8	827.9	802.9	764.7	718.2	673.3	626.7	608.4	601.8	613.4
-27.5°	716.5	721.5	714.8	703.2	678.3	645.0	635.0	621.7	625.1	635.0	679.9
-30°	640.0	645.0	651.7	656.6	648.3	640.0	643.3	653.3	674.9	713.2	729.8
-32.5°	640.0	641.7	651.7	661.6	666.6	673.3	691.6	724.8	756.4	746.4	743.1
-35°	698.2	693.2	706.5	719.8	738.1	761.4	781.3	774.7	763.0	759.7	763.0
-37.5°	864.4	832.9	819.6	811.2	806.3	802.9	798.0	793.0	788.0	784.7	789.6
-40°	862.8	854.5	846.2	839.5	834.5	827.9	824.5	822.9	817.9	814.6	811.2
-42.5°	859.5	862.8	862.8	861.1	862.8	861.1	856.1	849.5	841.2	834.5	827.9
-45°	884.4	886.1	889.4	892.7	897.7	891.0	881.1	869.4	857.8	847.8	839.5
-47.5°	899.4	901.0	904.3	909.3	912.7	906.0	892.7	877.7	859.5	842.8	826.2
-50°	904.3	909.3	911.0	911.0	909.3	901.0	881.1	859.5	839.5	822.9	807.9
-52.5°	881.1	886.1	887.7	884.4	882.7	874.4	856.1	836.2	814.6	802.9	789.6
-55°	842.8	849.5	854.5	854.5	854.5	852.8	836.2	817.9	801.3	788.0	774.7
-57.5°	827.9	839.5	849.5	851.1	852.8	854.5	842.8	824.5	804.6	784.7	768.0
-60°	882.7	892.7	897.7	891.0	886.1	881.1	862.8	841.2	821.2	801.3	769.7
-62.5°	867.8	884.4	892.7	887.7	881.1	872.8	852.8	827.9	804.6	783.0	751.4
-65°	819.6	834.5	844.5	836.2	826.2	814.6	796.3	773.0	751.4	729.8	701.5
-67.5°	738.1	759.7	776.3	758.1	744.8	729.8	714.8	694.9	673.3	648.3	621.7
-70°	610.1	626.7	641.7	636.7	633.4	630.0	620.1	600.1	581.8	561.9	538.6
-72.5°	490.4	505.4	518.7	510.4	503.7	493.7	478.8	457.2	435.5	413.9	392.3
-75°	271.0	276.0	280.9	279.3	279.3	279.3	279.3	280.9	277.6	272.6	262.7
-77.5°	207.8	214.4	219.4	222.8	227.7	234.4	239.4	231.1	222.8	214.4	204.5
-80°	162.9	169.6	174.6	192.8	206.1	221.1	231.1	219.4	207.8	197.8	189.5
-82.5°	123.0	128.0	133.0	143.0	149.6	157.9	164.6	164.6	162.9	161.3	156.3
-85°	89.8	96.4	103.1	106.4	111.4	111.4	113.0	106.4	99.7	94.8	88.1
-87.5°	51.5	53.2	53.2	53.2	54.9	54.9	54.9	51.5	49.9	46.5	44.9
-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°	1.7	1.7	1.7	3.3	3.3	5.0	5.0	6.6	6.6	8.3	8.3
85°	10.0	10.0	10.0	11.6	11.6	13.3	15.0	16.6	18.3	18.3	19.9
82.5°	16.6	18.3	19.9	21.6	23.3	24.9	26.6	28.3	33.2	36.6	38.2
80°	16.6	18.3	23.3	26.6	29.9	33.2	33.2	33.2	33.2	34.9	38.2
77.5°	11.6	13.3	15.0	18.3	26.6	33.2	38.2	41.6	38.2	36.6	33.2
75°	6.6	8.3	10.0	11.6	16.6	23.3	31.6	39.9	46.5	44.9	41.6
72.5°	6.6	6.6	8.3	10.0	11.6	13.3	15.0	23.3	33.2	41.6	46.5
70°	6.6	8.3	8.3	10.0	11.6	13.3	15.0	18.3	23.3	33.2	43.2
67.5°	6.6	8.3	8.3	11.6	15.0	16.6	18.3	16.6	15.0	21.6	31.6
65°	6.6	6.6	8.3	10.0	11.6	13.3	18.3	18.3	16.6	16.6	16.6
62.5°	10.0	10.0	10.0	10.0	11.6	11.6	11.6	15.0	15.0	15.0	15.0
60°	19.9	18.3	18.3	18.3	18.3	15.0	15.0	15.0	13.3	15.0	13.3
57.5°	48.2	39.9	36.6	36.6	31.6	29.9	24.9	18.3	18.3	15.0	15.0
55°	98.1	93.1	78.1	64.8	58.2	51.5	39.9	33.2	24.9	19.9	18.3
52.5°	151.3	138.0	124.7	108.1	91.4	78.1	66.5	51.5	41.6	29.9	23.3
50°	197.8	186.2	171.2	152.9	131.3	114.7	98.1	78.1	61.5	46.5	33.2
47.5°	269.3	246.0	227.7	206.1	181.2	157.9	136.3	113.0	86.4	68.2	51.5
45°	345.8	312.5	287.6	267.6	234.4	202.8	177.9	152.9	121.4	89.8	69.8
42.5°	399.0	374.0	340.8	314.2	284.3	251.0	217.8	191.2	157.9	121.4	89.8
40°	427.2	410.6	384.0	360.7	329.2	292.6	257.7	231.1	196.2	156.3	113.0
37.5°	448.8	440.5	427.2	408.9	379.0	335.8	300.9	269.3	239.4	192.8	146.3
35°	473.8	472.1	463.8	455.5	430.6	389.0	347.4	310.9	274.3	231.1	179.5
32.5°	497.1	495.4	490.4	487.1	477.1	440.5	395.7	354.1	312.5	267.6	211.1
30°	508.7	505.4	505.4	508.7	498.7	475.4	442.2	397.3	350.8	297.6	244.4
27.5°	508.7	505.4	507.0	512.0	510.4	498.7	473.8	437.2	385.7	325.8	274.3
25°	487.1	503.7	503.7	510.4	512.0	508.7	495.4	472.1	418.9	355.8	297.6
22.5°	457.2	497.1	512.0	510.4	512.0	520.3	522.0	500.4	450.5	385.7	320.8
20°	457.2	485.4	528.6	517.0	520.3	538.6	546.9	528.6	483.8	413.9	344.1
17.5°	467.1	485.4	522.0	540.3	545.3	560.2	573.5	561.9	513.7	443.9	375.7
15°	495.4	492.1	517.0	561.9	570.2	581.8	596.8	583.5	540.3	477.1	405.6
12.5°	515.3	497.1	517.0	565.2	591.8	603.4	608.4	598.5	563.6	507.0	435.5
10°	541.9	510.4	520.3	561.9	600.1	608.4	613.4	610.1	585.2	532.0	462.1
7.5°	561.9	517.0	517.0	556.9	608.4	615.1	618.4	621.7	603.4	553.6	485.4
5°	570.2	517.0	513.7	551.9	616.7	623.4	623.4	628.4	616.7	570.2	502.0
2.5°	571.9	515.3	510.4	548.6	631.7	631.7	628.4	633.4	626.7	580.2	513.7
0°	580.2	513.7	508.7	553.6	648.3	641.7	633.4	635.0	631.7	585.2	520.3
-2.5°	580.2	522.0	515.3	556.9	646.7	645.0	641.7	643.3	640.0	600.1	533.6
-5°	588.5	533.6	527.0	571.9	645.0	650.0	651.7	651.7	646.7	610.1	541.9
-7.5°	590.2	541.9	540.3	586.8	648.3	656.6	661.6	665.0	655.0	616.7	548.6
-10°	581.8	545.3	553.6	605.1	651.7	663.3	673.3	678.3	661.6	620.1	551.9
-12.5°	563.6	545.3	566.9	628.4	660.0	673.3	688.2	689.9	668.3	621.7	553.6
-15°	561.9	558.6	590.2	651.7	665.0	681.6	704.9	699.9	673.3	621.7	553.6
-17.5°	560.2	576.9	625.1	660.0	673.3	691.6	709.8	704.9	676.6	621.7	550.3
-20°	575.2	606.8	666.6	668.3	683.2	703.2	713.2	703.2	671.6	616.7	545.3

REPORT NUMBER: P723619

CATALOG NUMBER: IFLD-M-SA4A-722-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°	600.1	660.0	679.9	686.6	699.9	714.8	719.8	704.9	666.6	608.4	537.0
-25°	663.3	693.2	693.2	708.2	721.5	728.1	723.1	706.5	660.0	600.1	528.6
-27.5°	711.5	709.8	718.2	733.1	744.8	744.8	731.5	698.2	650.0	591.8	517.0
-30°	729.8	731.5	743.1	759.7	763.0	754.7	734.8	691.6	641.7	578.5	502.0
-32.5°	748.1	754.7	769.7	778.0	779.7	763.0	726.5	679.9	628.4	563.6	485.4
-35°	769.7	783.0	791.3	793.0	784.7	756.4	714.8	665.0	608.4	541.9	470.5
-37.5°	798.0	804.6	809.6	802.9	779.7	746.4	694.9	645.0	590.2	518.7	448.8
-40°	816.2	819.6	821.2	799.6	771.4	723.1	673.3	621.7	558.6	492.1	425.6
-42.5°	827.9	824.5	811.2	788.0	746.4	699.9	651.7	593.5	530.3	465.5	400.6
-45°	824.5	812.9	793.0	764.7	721.5	674.9	618.4	560.2	500.4	437.2	372.4
-47.5°	811.2	793.0	768.0	734.8	694.9	638.4	581.8	525.3	467.1	405.6	345.8
-50°	794.6	773.0	743.1	701.5	648.3	596.8	545.3	490.4	430.6	374.0	320.8
-52.5°	776.3	753.1	714.8	668.3	610.1	556.9	507.0	453.8	399.0	345.8	299.2
-55°	756.4	733.1	689.9	636.7	578.5	520.3	472.1	427.2	374.0	322.5	280.9
-57.5°	746.4	716.5	671.6	618.4	556.9	497.1	455.5	407.3	359.1	305.9	266.0
-60°	738.1	708.2	666.6	605.1	546.9	490.4	442.2	395.7	344.1	294.2	254.3
-62.5°	714.8	683.2	645.0	585.2	528.6	477.1	433.9	379.0	329.2	282.6	246.0
-65°	668.3	635.0	601.8	548.6	497.1	448.8	405.6	355.8	309.2	269.3	237.7
-67.5°	595.1	566.9	537.0	492.1	448.8	405.6	365.7	322.5	284.3	256.0	239.4
-70°	513.7	483.8	453.8	417.3	380.7	345.8	314.2	282.6	257.7	242.7	229.4
-72.5°	374.0	360.7	345.8	317.5	287.6	266.0	251.0	237.7	219.4	206.1	197.8
-75°	249.4	231.1	207.8	197.8	199.5	196.2	187.9	177.9	169.6	164.6	152.9
-77.5°	194.5	184.5	172.9	161.3	156.3	151.3	144.6	136.3	129.7	118.0	101.4
-80°	179.5	171.2	162.9	154.6	146.3	134.7	121.4	108.1	101.4	96.4	94.8
-82.5°	148.0	138.0	128.0	119.7	108.1	99.7	91.4	84.8	84.8	83.1	81.5
-85°	84.8	81.5	76.5	73.1	69.8	64.8	59.8	56.5	54.9	53.2	51.5
-87.5°	43.2	41.6	38.2	36.6	34.9	33.2	29.9	28.3	26.6	26.6	24.9
-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: P723619

CATALOG NUMBER: IFLD-M-SA4A-722-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°	8.3	8.3	6.6	6.6	6.6	5.0	3.3	3.3	1.7	1.7	0.0
85°	19.9	16.6	15.0	13.3	13.3	10.0	6.6	5.0	3.3	1.7	1.7
82.5°	38.2	33.2	28.3	24.9	19.9	15.0	11.6	8.3	5.0	3.3	1.7
80°	43.2	43.2	41.6	34.9	28.3	21.6	15.0	10.0	6.6	5.0	3.3
77.5°	33.2	36.6	36.6	36.6	34.9	26.6	18.3	11.6	6.6	5.0	3.3
75°	38.2	33.2	31.6	33.2	31.6	26.6	21.6	13.3	8.3	6.6	3.3
72.5°	46.5	39.9	34.9	33.2	29.9	24.9	19.9	15.0	8.3	6.6	5.0
70°	43.2	41.6	38.2	34.9	29.9	24.9	19.9	15.0	10.0	6.6	5.0
67.5°	38.2	38.2	38.2	34.9	29.9	23.3	18.3	13.3	10.0	6.6	5.0
65°	26.6	31.6	34.9	33.2	29.9	23.3	18.3	13.3	10.0	8.3	5.0
62.5°	16.6	21.6	28.3	31.6	28.3	23.3	16.6	13.3	10.0	8.3	5.0
60°	15.0	16.6	19.9	24.9	26.6	21.6	16.6	11.6	10.0	8.3	5.0
57.5°	15.0	15.0	16.6	19.9	21.6	19.9	15.0	10.0	10.0	8.3	6.6
55°	16.6	15.0	15.0	16.6	18.3	18.3	15.0	10.0	10.0	8.3	6.6
52.5°	19.9	16.6	15.0	15.0	15.0	16.6	13.3	10.0	10.0	8.3	6.6
50°	24.9	19.9	18.3	15.0	15.0	15.0	13.3	10.0	8.3	8.3	6.6
47.5°	33.2	26.6	19.9	18.3	15.0	13.3	11.6	10.0	8.3	8.3	6.6
45°	49.9	31.6	26.6	19.9	16.6	15.0	13.3	10.0	8.3	8.3	6.6
42.5°	68.2	46.5	33.2	23.3	18.3	15.0	13.3	11.6	8.3	8.3	6.6
40°	86.4	63.2	41.6	29.9	21.6	16.6	13.3	11.6	10.0	8.3	6.6
37.5°	106.4	78.1	54.9	38.2	24.9	18.3	15.0	11.6	10.0	8.3	6.6
35°	131.3	98.1	68.2	46.5	29.9	21.6	16.6	11.6	10.0	8.3	6.6
32.5°	159.6	116.4	81.5	56.5	38.2	26.6	18.3	13.3	10.0	8.3	6.6
30°	186.2	138.0	96.4	68.2	46.5	29.9	19.9	13.3	10.0	8.3	5.0
27.5°	212.8	159.6	114.7	79.8	56.5	34.9	21.6	15.0	10.0	8.3	6.6
25°	239.4	181.2	133.0	91.4	64.8	41.6	26.6	16.6	10.0	8.3	6.6
22.5°	262.7	202.8	149.6	104.7	74.8	48.2	29.9	18.3	11.6	8.3	6.6
20°	289.3	226.1	167.9	119.7	83.1	54.9	33.2	19.9	11.6	8.3	6.6
17.5°	314.2	249.4	186.2	133.0	93.1	61.5	38.2	21.6	13.3	8.3	6.6
15°	339.1	271.0	202.8	146.3	103.1	68.2	41.6	23.3	15.0	8.3	6.6
12.5°	362.4	290.9	217.8	157.9	111.4	74.8	44.9	24.9	16.6	8.3	6.6
10°	384.0	309.2	232.7	167.9	119.7	79.8	48.2	28.3	18.3	8.3	6.6
7.5°	405.6	324.2	244.4	177.9	129.7	86.4	51.5	29.9	19.9	10.0	6.6
5°	418.9	337.5	254.3	186.2	138.0	93.1	54.9	31.6	21.6	10.0	6.6
2.5°	430.6	347.4	261.0	194.5	146.3	98.1	54.9	33.2	23.3	10.0	6.6
0°	437.2	354.1	266.0	199.5	152.9	101.4	56.5	34.9	24.9	10.0	6.6
-2.5°	452.2	365.7	277.6	206.1	159.6	111.4	59.8	36.6	26.6	11.6	6.6
-5°	462.1	372.4	285.9	212.8	164.6	121.4	64.8	39.9	29.9	15.0	8.3
-7.5°	470.5	379.0	292.6	216.1	169.6	124.7	66.5	41.6	31.6	16.6	8.3
-10°	472.1	382.4	297.6	221.1	172.9	129.7	68.2	43.2	33.2	18.3	8.3
-12.5°	473.8	385.7	299.2	224.4	176.2	133.0	69.8	44.9	34.9	19.9	8.3
-15°	472.1	384.0	299.2	227.7	177.9	129.7	73.1	46.5	36.6	21.6	8.3
-17.5°	468.8	382.4	297.6	226.1	176.2	126.3	74.8	49.9	36.6	23.3	10.0
-20°	463.8	377.4	294.2	224.4	174.6	123.0	76.5	51.5	38.2	23.3	10.0



REPORT NUMBER: P723619

CATALOG NUMBER: IFLD-M-SA4A-722-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	455.5	369.1	287.6	219.4	171.2	119.7	76.5	54.9	39.9	23.3	10.0
-25°	445.5	360.7	280.9	212.8	166.2	114.7	76.5	56.5	41.6	23.3	10.0
-27.5°	433.9	352.4	271.0	207.8	159.6	111.4	76.5	58.2	43.2	23.3	10.0
-30°	420.6	340.8	262.7	199.5	154.6	111.4	78.1	59.8	44.9	23.3	10.0
-32.5°	407.3	329.2	252.7	192.8	148.0	109.7	78.1	61.5	46.5	21.6	11.6
-35°	392.3	315.9	244.4	187.9	143.0	106.4	79.8	61.5	44.9	21.6	11.6
-37.5°	374.0	299.2	236.1	182.9	139.6	103.1	79.8	63.2	43.2	21.6	11.6
-40°	354.1	285.9	226.1	176.2	134.7	101.4	79.8	63.2	41.6	21.6	13.3
-42.5°	332.5	271.0	216.1	169.6	129.7	99.7	79.8	63.2	39.9	21.6	13.3
-45°	312.5	256.0	204.5	161.3	124.7	99.7	79.8	61.5	36.6	23.3	13.3
-47.5°	290.9	239.4	191.2	152.9	123.0	98.1	78.1	58.2	33.2	23.3	13.3
-50°	272.6	222.8	181.2	144.6	119.7	99.7	79.8	53.2	33.2	23.3	13.3
-52.5°	254.3	211.1	169.6	141.3	116.4	101.4	78.1	49.9	33.2	23.3	13.3
-55°	239.4	199.5	162.9	136.3	119.7	104.7	74.8	44.9	33.2	23.3	13.3
-57.5°	227.7	192.8	157.9	138.0	124.7	101.4	69.8	43.2	33.2	21.6	13.3
-60°	219.4	186.2	159.6	144.6	126.3	96.4	66.5	43.2	33.2	21.6	11.6
-62.5°	212.8	187.9	167.9	149.6	119.7	89.8	63.2	43.2	29.9	19.9	11.6
-65°	214.4	194.5	171.2	143.0	114.7	83.1	58.2	41.6	28.3	18.3	11.6
-67.5°	219.4	189.5	161.3	134.7	103.1	74.8	53.2	38.2	26.6	18.3	11.6
-70°	202.8	174.6	146.3	114.7	88.1	64.8	49.9	34.9	23.3	16.6	11.6
-72.5°	182.9	146.3	116.4	93.1	74.8	59.8	44.9	31.6	21.6	15.0	10.0
-75°	133.0	106.4	86.4	78.1	66.5	53.2	39.9	28.3	19.9	15.0	10.0
-77.5°	94.8	88.1	79.8	71.5	59.8	46.5	34.9	26.6	18.3	13.3	8.3
-80°	93.1	84.8	74.8	61.5	49.9	39.9	29.9	23.3	16.6	11.6	6.6
-82.5°	78.1	66.5	56.5	46.5	38.2	31.6	24.9	18.3	13.3	8.3	5.0
-85°	48.2	41.6	36.6	31.6	26.6	21.6	16.6	11.6	8.3	5.0	3.3
-87.5°	23.3	21.6	18.3	15.0	13.3	10.0	8.3	6.6	5.0	3.3	1.7
-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: P723619

CATALOG NUMBER: IFLD-M-SA4A-722-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°	1.7	0.0	0.0	0.0
80°	1.7	0.0	0.0	0.0
77.5°	1.7	0.0	0.0	0.0
75°	1.7	1.7	0.0	0.0
72.5°	1.7	1.7	0.0	0.0
70°	3.3	1.7	1.7	0.0
67.5°	3.3	1.7	1.7	0.0
65°	3.3	1.7	1.7	0.0
62.5°	3.3	1.7	1.7	0.0
60°	3.3	1.7	1.7	0.0
57.5°	3.3	1.7	1.7	0.0
55°	3.3	1.7	1.7	0.0
52.5°	3.3	1.7	1.7	0.0
50°	3.3	1.7	1.7	0.0
47.5°	3.3	3.3	1.7	0.0
45°	3.3	3.3	1.7	0.0
42.5°	3.3	3.3	1.7	0.0
40°	3.3	3.3	1.7	0.0
37.5°	3.3	3.3	1.7	0.0
35°	3.3	3.3	1.7	0.0
32.5°	5.0	3.3	1.7	0.0
30°	5.0	3.3	3.3	0.0
27.5°	5.0	3.3	3.3	0.0
25°	5.0	3.3	3.3	0.0
22.5°	5.0	3.3	3.3	0.0
20°	5.0	3.3	3.3	0.0
17.5°	5.0	3.3	3.3	0.0
15°	5.0	3.3	3.3	0.0
12.5°	5.0	3.3	3.3	0.0
10°	5.0	3.3	3.3	0.0
7.5°	5.0	3.3	3.3	0.0
5°	5.0	3.3	3.3	0.0
2.5°	5.0	3.3	3.3	0.0
0°	5.0	3.3	3.3	0.0
-2.5°	5.0	3.3	3.3	0.0
-5°	5.0	3.3	3.3	0.0
-7.5°	5.0	3.3	3.3	0.0
-10°	5.0	3.3	3.3	0.0
-12.5°	6.6	3.3	3.3	0.0
-15°	6.6	3.3	3.3	0.0
-17.5°	6.6	3.3	3.3	0.0
-20°	6.6	3.3	3.3	0.0

REPORT NUMBER: P723619

CATALOG NUMBER: IFLD-M-SA4A-722-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	6.6	3.3	3.3	0.0
-25°	6.6	3.3	3.3	0.0
-27.5°	6.6	3.3	3.3	0.0
-30°	6.6	3.3	3.3	0.0
-32.5°	6.6	3.3	3.3	0.0
-35°	6.6	3.3	3.3	0.0
-37.5°	6.6	3.3	3.3	0.0
-40°	6.6	3.3	3.3	0.0
-42.5°	5.0	3.3	1.7	0.0
-45°	6.6	3.3	1.7	0.0
-47.5°	6.6	3.3	1.7	0.0
-50°	6.6	3.3	1.7	0.0
-52.5°	6.6	3.3	1.7	0.0
-55°	6.6	3.3	1.7	0.0
-57.5°	6.6	3.3	1.7	0.0
-60°	6.6	3.3	1.7	0.0
-62.5°	6.6	3.3	1.7	0.0
-65°	6.6	3.3	1.7	0.0
-67.5°	6.6	3.3	1.7	0.0
-70°	6.6	1.7	1.7	0.0
-72.5°	5.0	1.7	1.7	0.0
-75°	5.0	1.7	1.7	0.0
-77.5°	3.3	1.7	0.0	0.0
-80°	3.3	1.7	0.0	0.0
-82.5°	3.3	1.7	0.0	0.0
-85°	1.7	0.0	0.0	0.0
-87.5°	1.7	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)