

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: P723851

Luminaire Tested: **IFLD-M-SA4A-830-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723851
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-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	7768.3 lumens	Max Intensity:	182761.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	60.4 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:	2817.1 lumens	Field Lumens:	4491 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

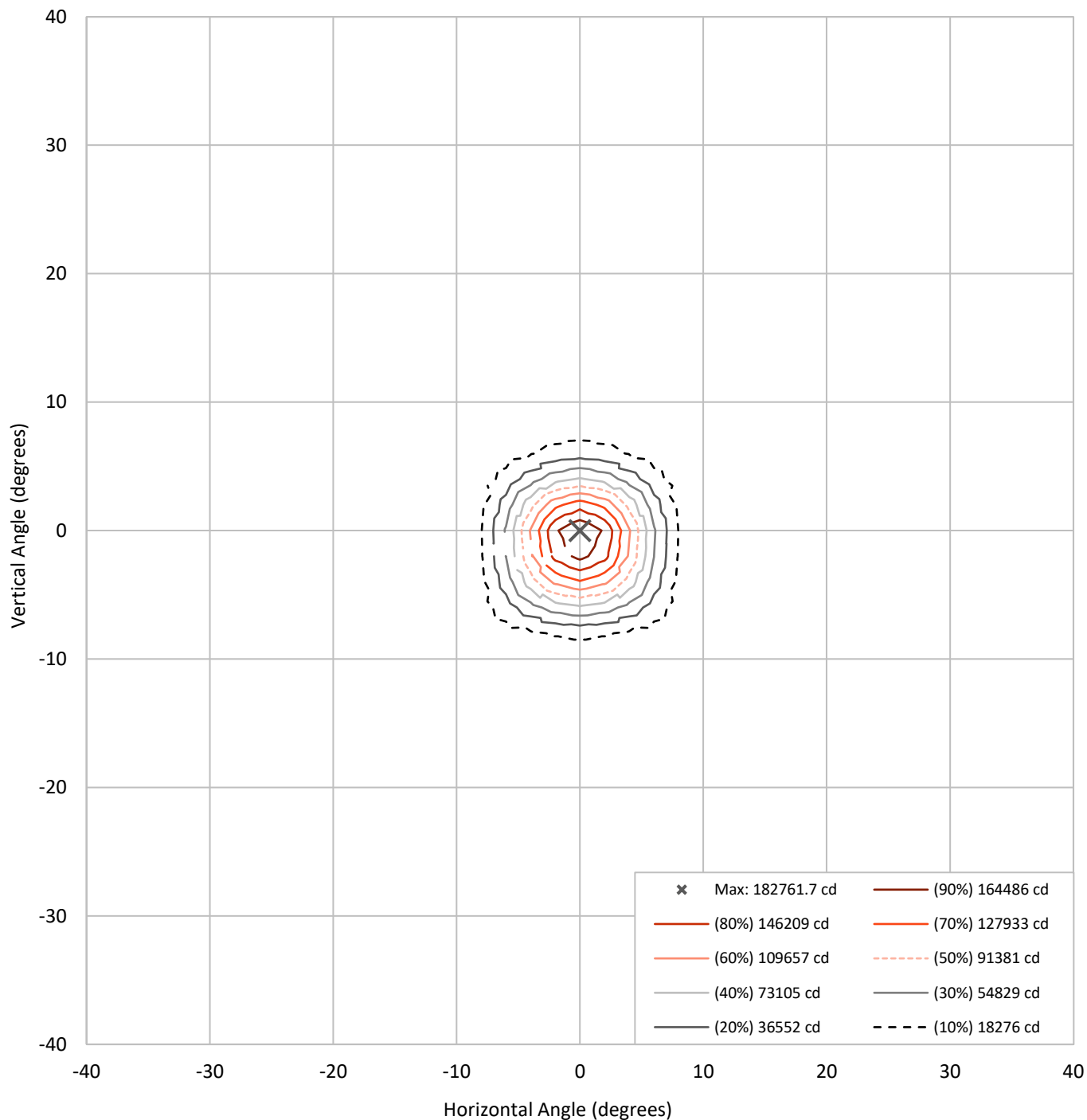
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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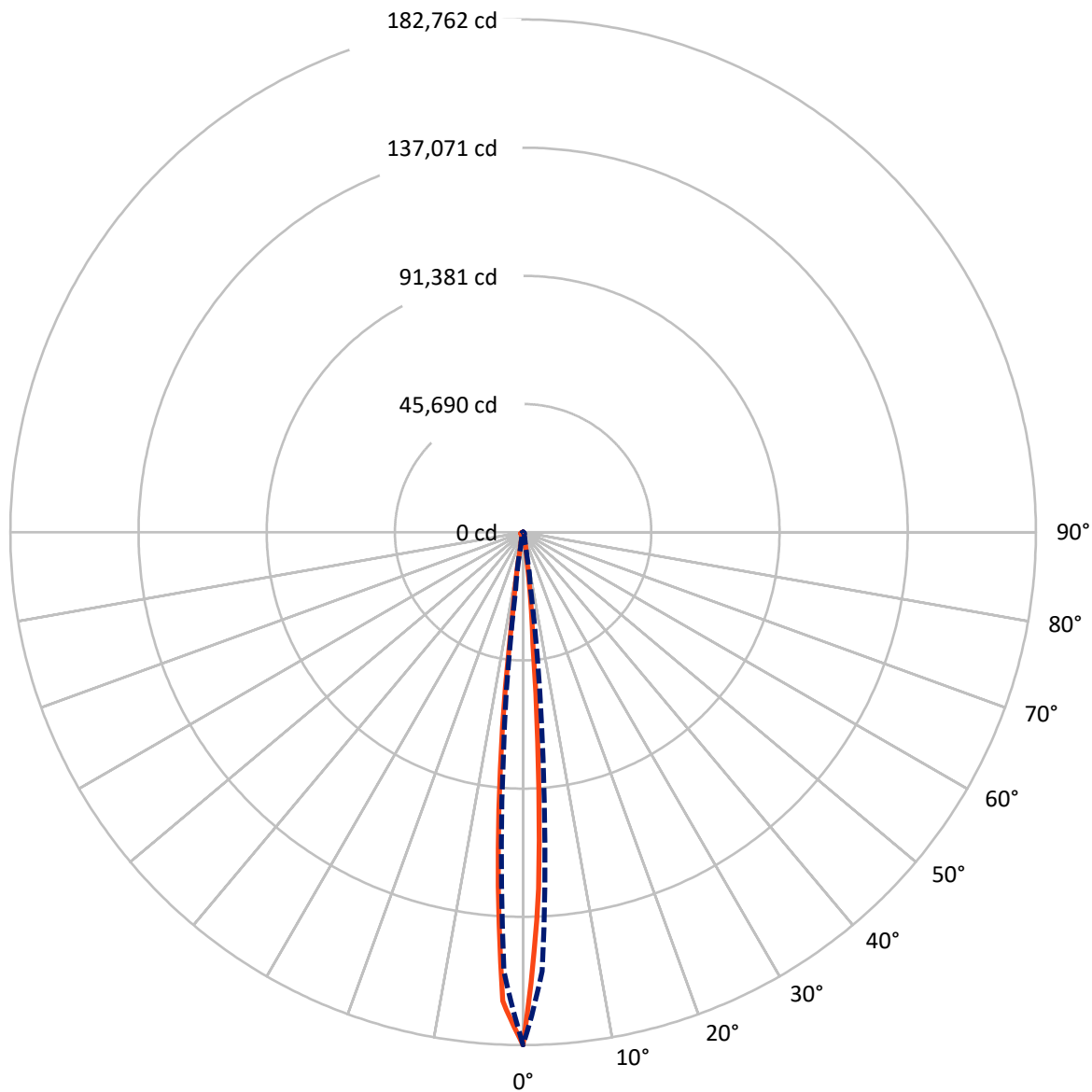
Lumen Table

Vertical Angle (degrees)																
	0.1	1.7		1.9		0.7		0.2		0.7		1.9		1.7		0.1
90																
80	0.1	1.7		1.9		0.7		0.2		0.7		1.9		1.7		0.1
70																
60	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
50		0.2	0.4	0.9	2.0	3.3	4.2	4.8	4.8	4.2	3.3	2.0	0.9	0.4	0.2	
40	0.2	0.3	1.1	3.5	7.0	10.2	12.3	13.6	13.6	12.3	10.2	7.0	3.5	1.1	0.3	0.2
30		0.5	2.7	7.3	11.8	13.9	15.0	15.5	15.5	15.0	13.9	11.8	7.3	2.7	0.5	
20	0.3	1.0	4.6	10.6	13.7	14.1	16.6	20.0	20.0	16.6	14.1	13.7	10.6	4.6	1.0	0.3
10		1.6	6.5	13.0	14.6	16.5	28.9	49.3	49.3	28.9	16.5	14.6	13.0	6.5	1.6	
0	0.5	2.0	7.9	14.3	15.1	20.3	55.0	1019.8	1019.8	55.0	20.3	15.1	14.3	7.9	2.0	0.5
-10		2.4	8.7	15.0	15.7	21.0	59.3	1486.9	1486.9	59.3	21.0	15.7	15.0	8.7	2.4	
-20	0.7	2.6	8.9	15.8	17.0	19.0	34.5	66.1	66.1	34.5	19.0	17.0	15.8	8.9	2.6	0.7
-30		2.4	8.5	16.0	19.1	19.1	22.3	27.2	27.2	22.3	19.1	19.1	16.0	8.5	2.4	
-40	0.8	2.1	7.5	15.3	21.0	22.9	23.8	24.0	24.0	23.8	22.9	21.0	15.3	7.5	2.1	0.8
-50		1.9	6.0	13.0	20.2	24.6	27.6	28.9	28.9	27.6	24.6	20.2	13.0	6.0	1.9	
-60	0.6	1.7	4.6	10.1	17.2	23.2	26.9	28.5	28.5	26.9	23.2	17.2	10.1	4.6	1.7	0.6
-70		1.6	4.1	8.2	14.4	20.3	24.5	26.5	26.5	24.5	20.3	14.4	8.2	4.1	1.6	
-80	0.3	4.8		14.3		26.5		29.3		26.5		14.3		4.8		0.3
-90																
Horizontal Angle (degrees)																
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	90

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Luminous Intensity Polar Plot



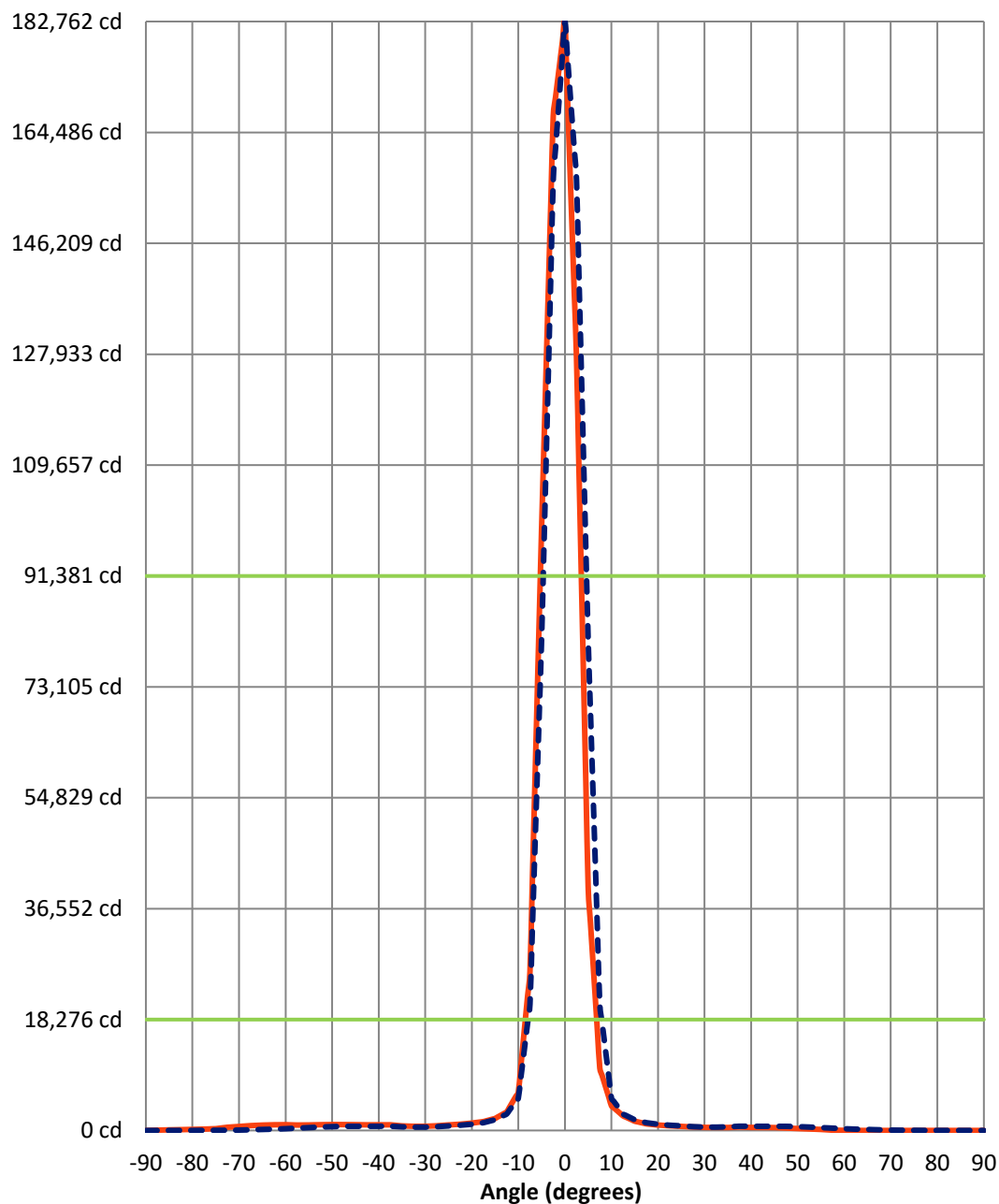
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 2817.1

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 4491

Efficiency: 57.8%

Spill:

Lumens: 3277.3

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	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	0.0	1.8	1.8	3.6	3.6	3.6	5.4	7.2	9.0	9.0	10.8
82.5°	0.0	1.8	1.8	3.6	3.6	5.4	5.4	9.0	10.8	12.6	16.1
80°	1.8	1.8	1.8	3.6	3.6	5.4	5.4	7.2	9.0	12.6	14.3
77.5°	0.0	1.8	1.8	1.8	3.6	3.6	3.6	5.4	7.2	9.0	10.8
75°	0.0	1.8	1.8	1.8	3.6	3.6	3.6	3.6	5.4	5.4	7.2
72.5°	0.0	0.0	0.0	1.8	1.8	3.6	3.6	3.6	5.4	5.4	5.4
70°	0.0	0.0	0.0	1.8	1.8	3.6	3.6	3.6	5.4	5.4	5.4
67.5°	0.0	0.0	0.0	1.8	1.8	3.6	3.6	3.6	5.4	5.4	5.4
65°	0.0	0.0	0.0	1.8	1.8	3.6	3.6	5.4	5.4	5.4	5.4
62.5°	1.8	1.8	1.8	3.6	5.4	5.4	7.2	9.0	9.0	9.0	9.0
60°	17.9	19.7	21.5	21.5	19.7	19.7	21.5	21.5	21.5	21.5	21.5
57.5°	48.4	52.0	53.8	53.8	53.8	52.0	59.2	61.0	53.8	50.2	55.6
55°	168.6	173.9	170.4	165.0	154.2	141.7	138.1	136.3	138.1	129.1	114.8
52.5°	245.7	251.1	249.3	245.7	238.5	229.5	222.4	215.2	208.0	193.7	177.5
50°	319.2	321.0	319.2	315.6	308.4	299.5	285.1	269.0	254.6	251.1	236.7
47.5°	401.7	407.1	407.1	405.3	399.9	383.8	362.2	338.9	328.2	324.6	310.2
45°	475.2	478.8	480.6	482.4	480.6	464.5	444.7	432.2	408.9	401.7	401.7
42.5°	494.9	496.7	498.5	500.3	505.7	493.2	477.0	455.5	450.1	448.3	444.7
40°	502.1	498.5	500.3	502.1	503.9	494.9	482.4	469.8	466.3	462.7	462.7
37.5°	570.3	554.1	541.6	530.8	521.8	512.9	500.3	489.6	480.6	473.4	480.6
35°	486.0	486.0	498.5	509.3	520.1	530.8	532.6	520.1	500.3	491.4	503.9
32.5°	496.7	496.7	496.7	500.3	503.9	512.9	521.8	527.2	541.6	525.4	525.4
30°	507.5	509.3	512.9	514.7	509.3	505.7	502.1	502.1	511.1	534.4	547.0
27.5°	570.3	570.3	564.9	557.7	541.6	516.5	503.9	486.0	487.8	498.5	529.0
25°	672.5	668.9	656.3	638.4	609.7	573.9	539.8	502.1	486.0	480.6	493.2
22.5°	769.3	763.9	747.8	731.7	708.4	672.5	615.1	557.7	507.5	486.0	480.6
20°	893.1	880.5	862.6	837.5	799.8	763.9	713.7	638.4	564.9	509.3	487.8
17.5°	1092.1	1076.0	1041.9	997.1	932.5	876.9	805.2	733.5	651.0	561.3	512.9
15°	1527.9	1486.6	1427.5	1303.7	1176.4	1070.6	963.0	842.8	758.6	640.2	566.7
12.5°	2403.0	2290.0	2117.9	1829.2	1544.0	1298.3	1124.4	970.2	833.9	724.5	620.5
10°	4067.2	3825.1	3349.9	2560.8	2035.4	1583.5	1271.4	1065.2	893.1	780.1	665.3
7.5°	10286.3	8390.8	5937.6	4054.6	2663.0	1935.0	1454.4	1154.9	955.8	815.9	701.2
5°	40090.9	33025.3	17617.3	7352.5	4006.2	2340.2	1619.3	1226.6	997.1	842.8	728.1
2.5°	127236.0	109876.9	57647.2	15827.6	4919.0	2636.1	1732.3	1271.4	1020.4	862.6	747.8
0°	182761.7	156633.4	80904.4	20816.6	5335.0	2711.5	1768.2	1280.4	1024.0	866.2	747.8
-2.5°	167195.9	146329.2	78153.5	19371.2	5451.6	2733.0	1796.9	1310.9	1050.9	882.3	753.2
-5°	99346.7	87141.5	54517.9	13811.9	4843.7	2537.5	1721.6	1284.0	1032.9	873.3	749.6
-7.5°	26174.9	22660.1	14905.9	7207.2	3134.7	2146.6	1581.7	1239.2	1009.6	857.2	735.3
-10°	6310.6	5980.6	5342.2	3274.6	2440.7	1793.3	1402.4	1158.5	963.0	835.7	711.9
-12.5°	3043.2	2971.5	2697.1	2223.7	1811.2	1490.2	1269.7	1074.2	920.0	798.0	679.7
-15°	1979.8	1938.6	1845.3	1664.2	1454.4	1300.1	1145.9	988.1	866.2	742.4	652.8
-17.5°	1465.1	1463.3	1416.7	1348.6	1244.5	1129.8	1016.8	916.4	798.0	692.2	624.1
-20°	1214.1	1214.1	1187.2	1142.3	1068.8	993.5	918.2	824.9	728.1	649.2	620.5

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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°	1031.1	1032.9	1018.6	989.9	950.4	887.7	814.2	738.8	668.9	640.2	631.2
-25°	912.8	909.2	893.1	866.2	824.9	774.7	726.3	676.1	656.3	649.2	661.7
-27.5°	772.9	778.3	771.1	758.6	731.7	695.8	685.0	670.7	674.3	685.0	733.5
-30°	690.4	695.8	703.0	708.4	699.4	690.4	694.0	704.8	728.1	769.3	787.3
-32.5°	690.4	692.2	703.0	713.7	719.1	726.3	746.0	781.9	815.9	805.2	801.6
-35°	753.2	747.8	762.1	776.5	796.2	821.3	842.8	835.7	823.1	819.5	823.1
-37.5°	932.5	898.4	884.1	875.1	869.7	866.2	860.8	855.4	850.0	846.4	851.8
-40°	930.7	921.8	912.8	905.6	900.2	893.1	889.5	887.7	882.3	878.7	875.1
-42.5°	927.1	930.7	930.7	928.9	930.7	928.9	923.5	916.4	907.4	900.2	893.1
-45°	954.0	955.8	959.4	963.0	968.4	961.2	950.4	937.9	925.3	914.6	905.6
-47.5°	970.2	972.0	975.6	980.9	984.5	977.3	963.0	946.9	927.1	909.2	891.3
-50°	975.6	980.9	982.7	982.7	980.9	972.0	950.4	927.1	905.6	887.7	871.5
-52.5°	950.4	955.8	957.6	954.0	952.2	943.3	923.5	902.0	878.7	866.2	851.8
-55°	909.2	916.4	921.8	921.8	921.8	920.0	902.0	882.3	864.4	850.0	835.7
-57.5°	893.1	905.6	916.4	918.2	920.0	921.8	909.2	889.5	868.0	846.4	828.5
-60°	952.2	963.0	968.4	961.2	955.8	950.4	930.7	907.4	885.9	864.4	830.3
-62.5°	936.1	954.0	963.0	957.6	950.4	941.5	920.0	893.1	868.0	844.6	810.6
-65°	884.1	900.2	911.0	902.0	891.3	878.7	859.0	833.9	810.6	787.3	756.8
-67.5°	796.2	819.5	837.5	817.7	803.4	787.3	771.1	749.6	726.3	699.4	670.7
-70°	658.1	676.1	692.2	686.8	683.2	679.7	668.9	647.4	627.7	606.1	581.0
-72.5°	529.0	545.2	559.5	550.5	543.4	532.6	516.5	493.2	469.8	446.5	423.2
-75°	292.3	297.7	303.1	301.3	301.3	301.3	301.3	303.1	299.5	294.1	283.3
-77.5°	224.2	231.3	236.7	240.3	245.7	252.9	258.2	249.3	240.3	231.3	220.6
-80°	175.7	182.9	188.3	208.0	222.4	238.5	249.3	236.7	224.2	213.4	204.4
-82.5°	132.7	138.1	143.5	154.2	161.4	170.4	177.5	177.5	175.7	173.9	168.6
-85°	96.8	104.0	111.2	114.8	120.2	120.2	121.9	114.8	107.6	102.2	95.0
-87.5°	55.6	57.4	57.4	57.4	59.2	59.2	59.2	55.6	53.8	50.2	48.4
-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°	1.8	1.8	1.8	3.6	3.6	5.4	5.4	7.2	7.2	9.0	9.0
85°	10.8	10.8	10.8	12.6	12.6	14.3	16.1	17.9	19.7	19.7	21.5
82.5°	17.9	19.7	21.5	23.3	25.1	26.9	28.7	30.5	35.9	39.5	41.2
80°	17.9	19.7	25.1	28.7	32.3	35.9	35.9	35.9	35.9	37.7	41.2
77.5°	12.6	14.3	16.1	19.7	28.7	35.9	41.2	44.8	41.2	39.5	35.9
75°	7.2	9.0	10.8	12.6	17.9	25.1	34.1	43.0	50.2	48.4	44.8
72.5°	7.2	7.2	9.0	10.8	12.6	14.3	16.1	25.1	35.9	44.8	50.2
70°	7.2	9.0	9.0	10.8	12.6	14.3	16.1	19.7	25.1	35.9	46.6
67.5°	7.2	9.0	9.0	12.6	16.1	17.9	19.7	17.9	16.1	23.3	34.1
65°	7.2	7.2	9.0	10.8	12.6	14.3	19.7	19.7	17.9	17.9	17.9
62.5°	10.8	10.8	10.8	10.8	12.6	12.6	12.6	16.1	16.1	16.1	16.1
60°	21.5	19.7	19.7	19.7	19.7	16.1	16.1	16.1	14.3	16.1	14.3
57.5°	52.0	43.0	39.5	39.5	34.1	32.3	26.9	19.7	19.7	16.1	16.1
55°	105.8	100.4	84.3	69.9	62.8	55.6	43.0	35.9	26.9	21.5	19.7
52.5°	163.2	148.8	134.5	116.6	98.6	84.3	71.7	55.6	44.8	32.3	25.1
50°	213.4	200.8	184.7	165.0	141.7	123.7	105.8	84.3	66.4	50.2	35.9
47.5°	290.5	265.4	245.7	222.4	195.5	170.4	147.1	121.9	93.3	73.5	55.6
45°	373.0	337.1	310.2	288.7	252.9	218.8	191.9	165.0	130.9	96.8	75.3
42.5°	430.4	403.5	367.6	338.9	306.7	270.8	234.9	206.2	170.4	130.9	96.8
40°	460.9	442.9	414.3	389.1	355.1	315.6	278.0	249.3	211.6	168.6	121.9
37.5°	484.2	475.2	460.9	441.2	408.9	362.2	324.6	290.5	258.2	208.0	157.8
35°	511.1	509.3	500.3	491.4	464.5	419.6	374.8	335.3	295.9	249.3	193.7
32.5°	536.2	534.4	529.0	525.4	514.7	475.2	426.8	382.0	337.1	288.7	227.7
30°	548.7	545.2	545.2	548.7	538.0	512.9	477.0	428.6	378.4	321.0	263.6
27.5°	548.7	545.2	547.0	552.3	550.5	538.0	511.1	471.6	416.0	351.5	295.9
25°	525.4	543.4	543.4	550.5	552.3	548.7	534.4	509.3	451.9	383.8	321.0
22.5°	493.2	536.2	552.3	550.5	552.3	561.3	563.1	539.8	486.0	416.0	346.1
20°	493.2	523.6	570.3	557.7	561.3	581.0	590.0	570.3	521.8	446.5	371.2
17.5°	503.9	523.6	563.1	582.8	588.2	604.3	618.7	606.1	554.1	478.8	405.3
15°	534.4	530.8	557.7	606.1	615.1	627.7	643.8	629.4	582.8	514.7	437.6
12.5°	555.9	536.2	557.7	609.7	638.4	651.0	656.3	645.6	607.9	547.0	469.8
10°	584.6	550.5	561.3	606.1	647.4	656.3	661.7	658.1	631.2	573.9	498.5
7.5°	606.1	557.7	557.7	600.8	656.3	663.5	667.1	670.7	651.0	597.2	523.6
5°	615.1	557.7	554.1	595.4	665.3	672.5	672.5	677.9	665.3	615.1	541.6
2.5°	616.9	555.9	550.5	591.8	681.5	681.5	677.9	683.2	676.1	625.9	554.1
0°	625.9	554.1	548.7	597.2	699.4	692.2	683.2	685.0	681.5	631.2	561.3
-2.5°	625.9	563.1	555.9	600.8	697.6	695.8	692.2	694.0	690.4	647.4	575.6
-5°	634.8	575.6	568.5	616.9	695.8	701.2	703.0	703.0	697.6	658.1	584.6
-7.5°	636.6	584.6	582.8	633.0	699.4	708.4	713.7	717.3	706.6	665.3	591.8
-10°	627.7	588.2	597.2	652.8	703.0	715.5	726.3	731.7	713.7	668.9	595.4
-12.5°	607.9	588.2	611.5	677.9	711.9	726.3	742.4	744.2	720.9	670.7	597.2
-15°	606.1	602.5	636.6	703.0	717.3	735.3	760.4	755.0	726.3	670.7	597.2
-17.5°	604.3	622.3	674.3	711.9	726.3	746.0	765.7	760.4	729.9	670.7	593.6
-20°	620.5	654.6	719.1	720.9	737.0	758.6	769.3	758.6	724.5	665.3	588.2

REPORT NUMBER: P723851

CATALOG NUMBER: IFLD-M-SA4A-830-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°	647.4	711.9	733.5	740.6	755.0	771.1	776.5	760.4	719.1	656.3	579.2
-25°	715.5	747.8	747.8	763.9	778.3	785.5	780.1	762.1	711.9	647.4	570.3
-27.5°	767.5	765.7	774.7	790.8	803.4	803.4	789.0	753.2	701.2	638.4	557.7
-30°	787.3	789.0	801.6	819.5	823.1	814.2	792.6	746.0	692.2	624.1	541.6
-32.5°	807.0	814.2	830.3	839.3	841.1	823.1	783.7	733.5	677.9	607.9	523.6
-35°	830.3	844.6	853.6	855.4	846.4	815.9	771.1	717.3	656.3	584.6	507.5
-37.5°	860.8	868.0	873.3	866.2	841.1	805.2	749.6	695.8	636.6	559.5	484.2
-40°	880.5	884.1	885.9	862.6	832.1	780.1	726.3	670.7	602.5	530.8	459.1
-42.5°	893.1	889.5	875.1	850.0	805.2	755.0	703.0	640.2	572.1	502.1	432.2
-45°	889.5	876.9	855.4	824.9	778.3	728.1	667.1	604.3	539.8	471.6	401.7
-47.5°	875.1	855.4	828.5	792.6	749.6	688.6	627.7	566.7	503.9	437.6	373.0
-50°	857.2	833.9	801.6	756.8	699.4	643.8	588.2	529.0	464.5	403.5	346.1
-52.5°	837.5	812.4	771.1	720.9	658.1	600.8	547.0	489.6	430.4	373.0	322.8
-55°	815.9	790.8	744.2	686.8	624.1	561.3	509.3	460.9	403.5	347.9	303.1
-57.5°	805.2	772.9	724.5	667.1	600.8	536.2	491.4	439.4	387.4	330.0	286.9
-60°	796.2	763.9	719.1	652.8	590.0	529.0	477.0	426.8	371.2	317.4	274.4
-62.5°	771.1	737.0	695.8	631.2	570.3	514.7	468.0	408.9	355.1	304.9	265.4
-65°	720.9	685.0	649.2	591.8	536.2	484.2	437.6	383.8	333.6	290.5	256.4
-67.5°	642.0	611.5	579.2	530.8	484.2	437.6	394.5	347.9	306.7	276.2	258.2
-70°	554.1	521.8	489.6	450.1	410.7	373.0	338.9	304.9	278.0	261.8	247.5
-72.5°	403.5	389.1	373.0	342.5	310.2	286.9	270.8	256.4	236.7	222.4	213.4
-75°	269.0	249.3	224.2	213.4	215.2	211.6	202.6	191.9	182.9	177.5	165.0
-77.5°	209.8	199.1	186.5	173.9	168.6	163.2	156.0	147.1	139.9	127.3	109.4
-80°	193.7	184.7	175.7	166.8	157.8	145.3	130.9	116.6	109.4	104.0	102.2
-82.5°	159.6	148.8	138.1	129.1	116.6	107.6	98.6	91.5	91.5	89.7	87.9
-85°	91.5	87.9	82.5	78.9	75.3	69.9	64.6	61.0	59.2	57.4	55.6
-87.5°	46.6	44.8	41.2	39.5	37.7	35.9	32.3	30.5	28.7	28.7	26.9
-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: P723851

CATALOG NUMBER: IFLD-M-SA4A-830-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°	9.0	9.0	7.2	7.2	7.2	5.4	3.6	3.6	1.8	1.8	0.0
85°	21.5	17.9	16.1	14.3	14.3	10.8	7.2	5.4	3.6	1.8	1.8
82.5°	41.2	35.9	30.5	26.9	21.5	16.1	12.6	9.0	5.4	3.6	1.8
80°	46.6	46.6	44.8	37.7	30.5	23.3	16.1	10.8	7.2	5.4	3.6
77.5°	35.9	39.5	39.5	39.5	37.7	28.7	19.7	12.6	7.2	5.4	3.6
75°	41.2	35.9	34.1	35.9	34.1	28.7	23.3	14.3	9.0	7.2	3.6
72.5°	50.2	43.0	37.7	35.9	32.3	26.9	21.5	16.1	9.0	7.2	5.4
70°	46.6	44.8	41.2	37.7	32.3	26.9	21.5	16.1	10.8	7.2	5.4
67.5°	41.2	41.2	41.2	37.7	32.3	25.1	19.7	14.3	10.8	7.2	5.4
65°	28.7	34.1	37.7	35.9	32.3	25.1	19.7	14.3	10.8	9.0	5.4
62.5°	17.9	23.3	30.5	34.1	30.5	25.1	17.9	14.3	10.8	9.0	5.4
60°	16.1	17.9	21.5	26.9	28.7	23.3	17.9	12.6	10.8	9.0	5.4
57.5°	16.1	16.1	17.9	21.5	23.3	21.5	16.1	10.8	10.8	9.0	7.2
55°	17.9	16.1	16.1	17.9	19.7	19.7	16.1	10.8	10.8	9.0	7.2
52.5°	21.5	17.9	16.1	16.1	16.1	17.9	14.3	10.8	10.8	9.0	7.2
50°	26.9	21.5	19.7	16.1	16.1	16.1	14.3	10.8	9.0	9.0	7.2
47.5°	35.9	28.7	21.5	19.7	16.1	14.3	12.6	10.8	9.0	9.0	7.2
45°	53.8	34.1	28.7	21.5	17.9	16.1	14.3	10.8	9.0	9.0	7.2
42.5°	73.5	50.2	35.9	25.1	19.7	16.1	14.3	12.6	9.0	9.0	7.2
40°	93.3	68.1	44.8	32.3	23.3	17.9	14.3	12.6	10.8	9.0	7.2
37.5°	114.8	84.3	59.2	41.2	26.9	19.7	16.1	12.6	10.8	9.0	7.2
35°	141.7	105.8	73.5	50.2	32.3	23.3	17.9	12.6	10.8	9.0	7.2
32.5°	172.2	125.5	87.9	61.0	41.2	28.7	19.7	14.3	10.8	9.0	7.2
30°	200.8	148.8	104.0	73.5	50.2	32.3	21.5	14.3	10.8	9.0	5.4
27.5°	229.5	172.2	123.7	86.1	61.0	37.7	23.3	16.1	10.8	9.0	7.2
25°	258.2	195.5	143.5	98.6	69.9	44.8	28.7	17.9	10.8	9.0	7.2
22.5°	283.3	218.8	161.4	113.0	80.7	52.0	32.3	19.7	12.6	9.0	7.2
20°	312.0	243.9	181.1	129.1	89.7	59.2	35.9	21.5	12.6	9.0	7.2
17.5°	338.9	269.0	200.8	143.5	100.4	66.4	41.2	23.3	14.3	9.0	7.2
15°	365.8	292.3	218.8	157.8	111.2	73.5	44.8	25.1	16.1	9.0	7.2
12.5°	390.9	313.8	234.9	170.4	120.2	80.7	48.4	26.9	17.9	9.0	7.2
10°	414.3	333.6	251.1	181.1	129.1	86.1	52.0	30.5	19.7	9.0	7.2
7.5°	437.6	349.7	263.6	191.9	139.9	93.3	55.6	32.3	21.5	10.8	7.2
5°	451.9	364.0	274.4	200.8	148.8	100.4	59.2	34.1	23.3	10.8	7.2
2.5°	464.5	374.8	281.5	209.8	157.8	105.8	59.2	35.9	25.1	10.8	7.2
0°	471.6	382.0	286.9	215.2	165.0	109.4	61.0	37.7	26.9	10.8	7.2
-2.5°	487.8	394.5	299.5	222.4	172.2	120.2	64.6	39.5	28.7	12.6	7.2
-5°	498.5	401.7	308.4	229.5	177.5	130.9	69.9	43.0	32.3	16.1	9.0
-7.5°	507.5	408.9	315.6	233.1	182.9	134.5	71.7	44.8	34.1	17.9	9.0
-10°	509.3	412.5	321.0	238.5	186.5	139.9	73.5	46.6	35.9	19.7	9.0
-12.5°	511.1	416.0	322.8	242.1	190.1	143.5	75.3	48.4	37.7	21.5	9.0
-15°	509.3	414.3	322.8	245.7	191.9	139.9	78.9	50.2	39.5	23.3	9.0
-17.5°	505.7	412.5	321.0	243.9	190.1	136.3	80.7	53.8	39.5	25.1	10.8
-20°	500.3	407.1	317.4	242.1	188.3	132.7	82.5	55.6	41.2	25.1	10.8

REPORT NUMBER: P723851

CATALOG NUMBER: IFLD-M-SA4A-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	491.4	398.1	310.2	236.7	184.7	129.1	82.5	59.2	43.0	25.1	10.8
-25°	480.6	389.1	303.1	229.5	179.3	123.7	82.5	61.0	44.8	25.1	10.8
-27.5°	468.0	380.2	292.3	224.2	172.2	120.2	82.5	62.8	46.6	25.1	10.8
-30°	453.7	367.6	283.3	215.2	166.8	120.2	84.3	64.6	48.4	25.1	10.8
-32.5°	439.4	355.1	272.6	208.0	159.6	118.4	84.3	66.4	50.2	23.3	12.6
-35°	423.2	340.7	263.6	202.6	154.2	114.8	86.1	66.4	48.4	23.3	12.6
-37.5°	403.5	322.8	254.6	197.3	150.6	111.2	86.1	68.1	46.6	23.3	12.6
-40°	382.0	308.4	243.9	190.1	145.3	109.4	86.1	68.1	44.8	23.3	14.3
-42.5°	358.7	292.3	233.1	182.9	139.9	107.6	86.1	68.1	43.0	23.3	14.3
-45°	337.1	276.2	220.6	173.9	134.5	107.6	86.1	66.4	39.5	25.1	14.3
-47.5°	313.8	258.2	206.2	165.0	132.7	105.8	84.3	62.8	35.9	25.1	14.3
-50°	294.1	240.3	195.5	156.0	129.1	107.6	86.1	57.4	35.9	25.1	14.3
-52.5°	274.4	227.7	182.9	152.4	125.5	109.4	84.3	53.8	35.9	25.1	14.3
-55°	258.2	215.2	175.7	147.1	129.1	113.0	80.7	48.4	35.9	25.1	14.3
-57.5°	245.7	208.0	170.4	148.8	134.5	109.4	75.3	46.6	35.9	23.3	14.3
-60°	236.7	200.8	172.2	156.0	136.3	104.0	71.7	46.6	35.9	23.3	12.6
-62.5°	229.5	202.6	181.1	161.4	129.1	96.8	68.1	46.6	32.3	21.5	12.6
-65°	231.3	209.8	184.7	154.2	123.7	89.7	62.8	44.8	30.5	19.7	12.6
-67.5°	236.7	204.4	173.9	145.3	111.2	80.7	57.4	41.2	28.7	19.7	12.6
-70°	218.8	188.3	157.8	123.7	95.0	69.9	53.8	37.7	25.1	17.9	12.6
-72.5°	197.3	157.8	125.5	100.4	80.7	64.6	48.4	34.1	23.3	16.1	10.8
-75°	143.5	114.8	93.3	84.3	71.7	57.4	43.0	30.5	21.5	16.1	10.8
-77.5°	102.2	95.0	86.1	77.1	64.6	50.2	37.7	28.7	19.7	14.3	9.0
-80°	100.4	91.5	80.7	66.4	53.8	43.0	32.3	25.1	17.9	12.6	7.2
-82.5°	84.3	71.7	61.0	50.2	41.2	34.1	26.9	19.7	14.3	9.0	5.4
-85°	52.0	44.8	39.5	34.1	28.7	23.3	17.9	12.6	9.0	5.4	3.6
-87.5°	25.1	23.3	19.7	16.1	14.3	10.8	9.0	7.2	5.4	3.6	1.8
-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: P723851

CATALOG NUMBER: IFLD-M-SA4A-830-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°	1.8	0.0	0.0	0.0
80°	1.8	0.0	0.0	0.0
77.5°	1.8	0.0	0.0	0.0
75°	1.8	1.8	0.0	0.0
72.5°	1.8	1.8	0.0	0.0
70°	3.6	1.8	1.8	0.0
67.5°	3.6	1.8	1.8	0.0
65°	3.6	1.8	1.8	0.0
62.5°	3.6	1.8	1.8	0.0
60°	3.6	1.8	1.8	0.0
57.5°	3.6	1.8	1.8	0.0
55°	3.6	1.8	1.8	0.0
52.5°	3.6	1.8	1.8	0.0
50°	3.6	1.8	1.8	0.0
47.5°	3.6	3.6	1.8	0.0
45°	3.6	3.6	1.8	0.0
42.5°	3.6	3.6	1.8	0.0
40°	3.6	3.6	1.8	0.0
37.5°	3.6	3.6	1.8	0.0
35°	3.6	3.6	1.8	0.0
32.5°	5.4	3.6	1.8	0.0
30°	5.4	3.6	3.6	0.0
27.5°	5.4	3.6	3.6	0.0
25°	5.4	3.6	3.6	0.0
22.5°	5.4	3.6	3.6	0.0
20°	5.4	3.6	3.6	0.0
17.5°	5.4	3.6	3.6	0.0
15°	5.4	3.6	3.6	0.0
12.5°	5.4	3.6	3.6	0.0
10°	5.4	3.6	3.6	0.0
7.5°	5.4	3.6	3.6	0.0
5°	5.4	3.6	3.6	0.0
2.5°	5.4	3.6	3.6	0.0
0°	5.4	3.6	3.6	0.0
-2.5°	5.4	3.6	3.6	0.0
-5°	5.4	3.6	3.6	0.0
-7.5°	5.4	3.6	3.6	0.0
-10°	5.4	3.6	3.6	0.0
-12.5°	7.2	3.6	3.6	0.0
-15°	7.2	3.6	3.6	0.0
-17.5°	7.2	3.6	3.6	0.0
-20°	7.2	3.6	3.6	0.0

REPORT NUMBER: P723851

CATALOG NUMBER: IFLD-M-SA4A-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	7.2	3.6	3.6	0.0
-25°	7.2	3.6	3.6	0.0
-27.5°	7.2	3.6	3.6	0.0
-30°	7.2	3.6	3.6	0.0
-32.5°	7.2	3.6	3.6	0.0
-35°	7.2	3.6	3.6	0.0
-37.5°	7.2	3.6	3.6	0.0
-40°	7.2	3.6	3.6	0.0
-42.5°	5.4	3.6	1.8	0.0
-45°	7.2	3.6	1.8	0.0
-47.5°	7.2	3.6	1.8	0.0
-50°	7.2	3.6	1.8	0.0
-52.5°	7.2	3.6	1.8	0.0
-55°	7.2	3.6	1.8	0.0
-57.5°	7.2	3.6	1.8	0.0
-60°	7.2	3.6	1.8	0.0
-62.5°	7.2	3.6	1.8	0.0
-65°	7.2	3.6	1.8	0.0
-67.5°	7.2	3.6	1.8	0.0
-70°	7.2	1.8	1.8	0.0
-72.5°	5.4	1.8	1.8	0.0
-75°	5.4	1.8	1.8	0.0
-77.5°	3.6	1.8	0.0	0.0
-80°	3.6	1.8	0.0	0.0
-82.5°	3.6	1.8	0.0	0.0
-85°	1.8	0.0	0.0	0.0
-87.5°	1.8	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)