

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: P724058

Luminaire Tested: **IFLD-M-SA4E-727-U-22-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P724058
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-727-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

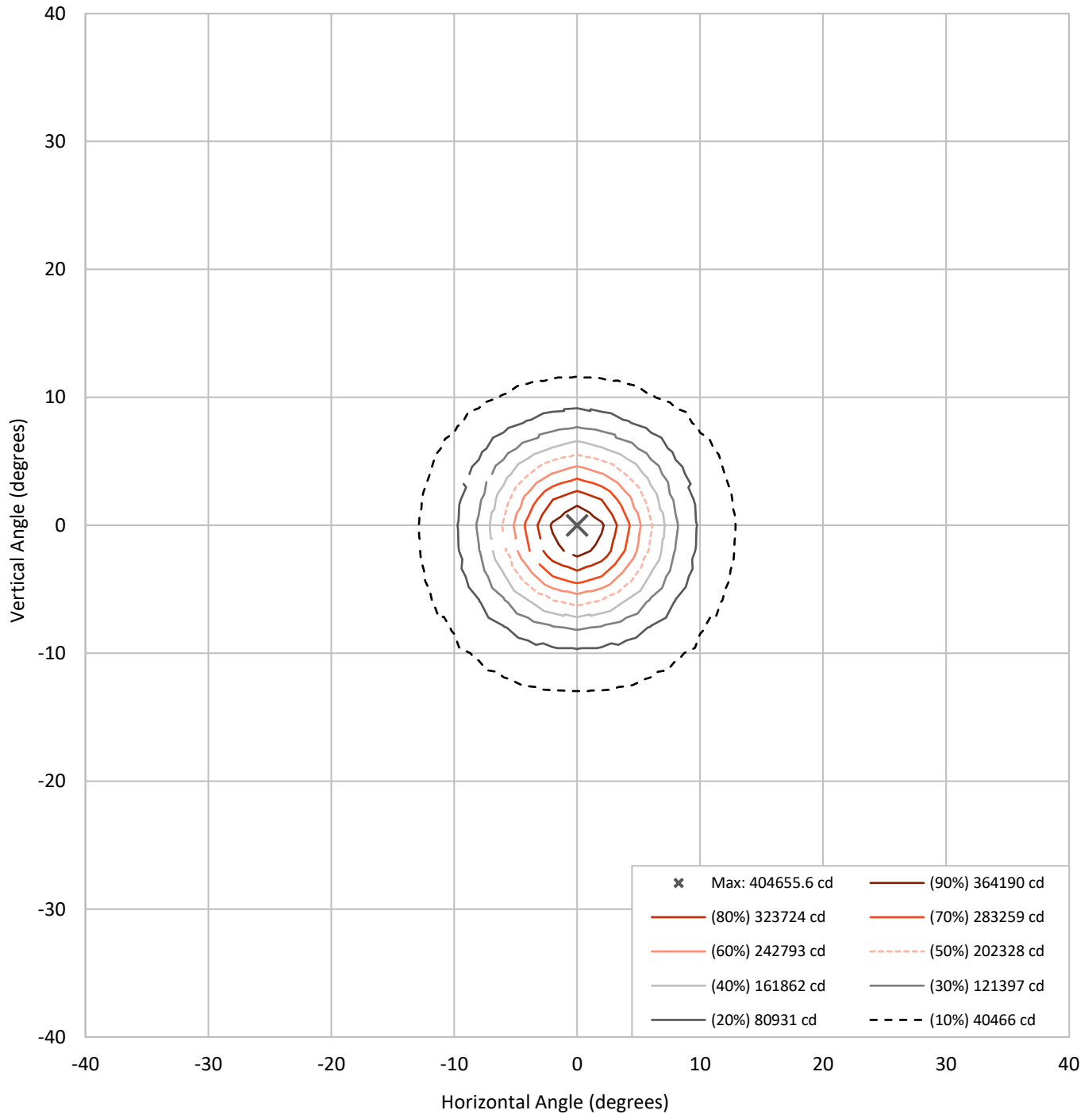
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	28265.4 lumens	Max Intensity:	404655.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	89.8 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	12.2°H x 11.7°V	Field Angle (10%):	25.1°H x 24.3°V
Beam Lumens:	8842.7 lumens	Field Lumens:	20120.3 lumens
Beam Efficiency:	31.3%	Field Efficiency:	71.2%

Input Watts (W): 314.8
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





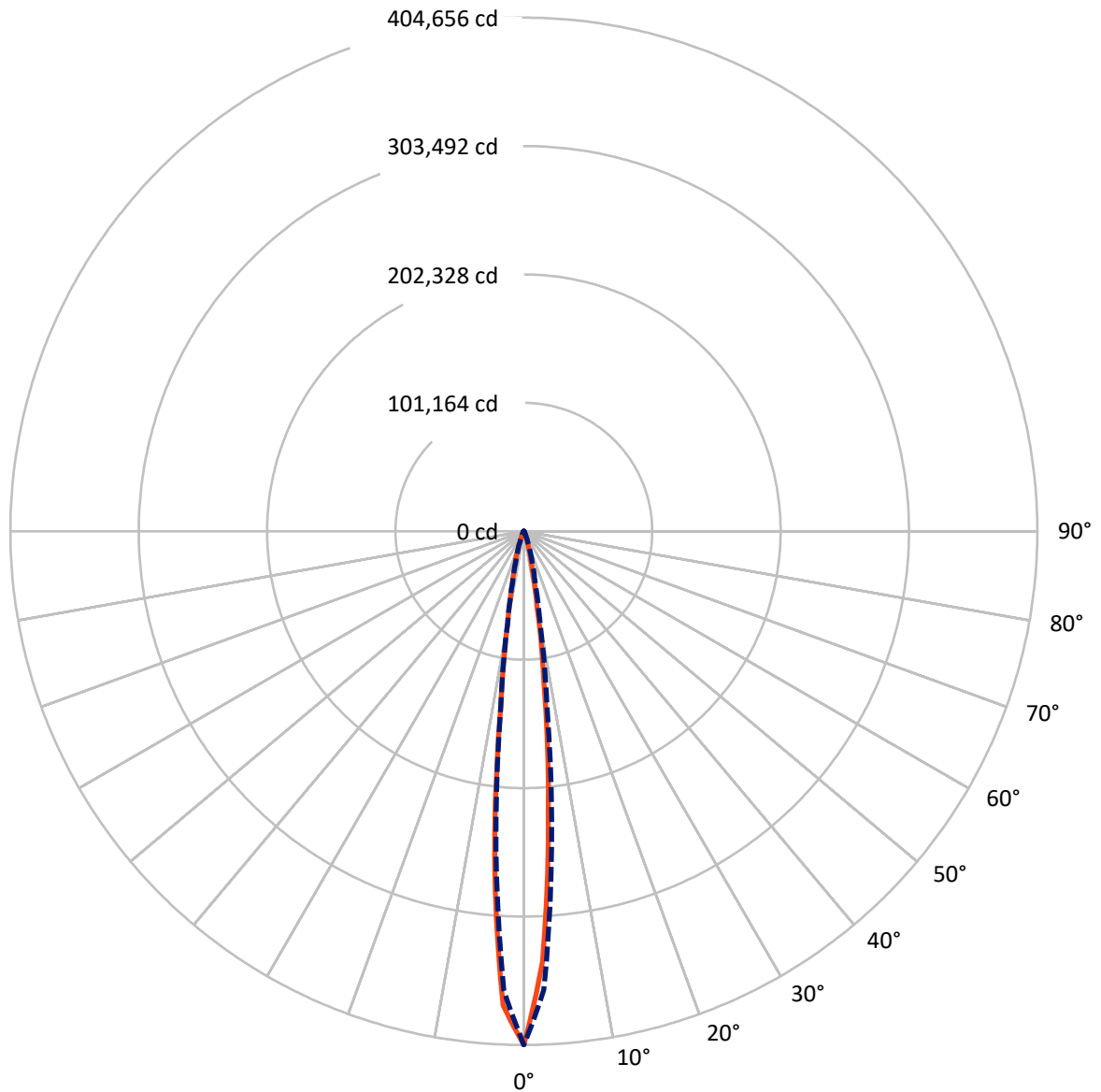
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Lumen Table

90	0.2	1.7	1.4	0.7	0.1	0.7	1.4	1.7	0.2										
80	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2				
70	0.2	0.2	0.3	0.8	1.5	2.2	2.7	3.1	3.1	2.7	2.2	1.5	0.8	0.3	0.2				
60	0.2	0.2	0.9	2.3	4.0	5.7	7.5	8.9	8.9	7.5	5.7	4.0	2.3	0.9	0.2				
50	0.2	0.5	2.0	4.3	7.2	11.4	17.2	20.5	20.5	17.2	11.4	7.2	4.3	2.0	0.5				
40	0.2	0.9	3.0	6.2	11.3	19.6	37.7	60.8	60.8	37.7	19.6	11.3	6.2	3.0	0.9				
30	0.3	1.2	4.0	8.5	17.2	42.6	222.7	563.4	563.4	222.7	42.6	17.2	8.5	4.0	1.2				
20	0.3	1.6	4.8	10.0	21.0	86.6	717.2	4419.7	4419.7	717.2	86.6	21.0	10.0	4.8	1.6				
10	0.5	1.8	5.3	10.6	21.9	98.7	789.2	4867.3	4867.3	789.2	98.7	21.9	10.6	5.3	1.8				
0	0.5	2.0	5.5	10.5	20.5	59.1	354.2	853.6	853.6	354.2	59.1	20.5	10.5	5.5	2.0				
-10	0.6	1.9	5.4	10.0	17.4	30.1	73.2	137.5	137.5	73.2	30.1	17.4	10.0	5.4	1.9				
-20	0.6	1.7	5.0	9.2	14.4	21.4	30.2	35.5	35.5	30.2	21.4	14.4	9.2	5.0	1.7				
-30	0.6	1.5	4.3	8.3	12.6	16.6	21.0	23.3	23.3	21.0	16.6	12.6	8.3	4.3	1.5				
-40	0.6	1.2	3.5	7.0	11.0	14.5	17.8	19.4	19.4	17.8	14.5	11.0	7.0	3.5	1.2				
-50	0.5	1.0	2.5	5.1	8.4	11.6	14.6	16.2	16.2	14.6	11.6	8.4	5.1	2.5	1.0				
-60	0.5	1.0	2.5	5.1	8.4	11.6	14.6	16.2	16.2	14.6	11.6	8.4	5.1	2.5	1.0				
-70	0.5	1.0	2.5	5.1	8.4	11.6	14.6	16.2	16.2	14.6	11.6	8.4	5.1	2.5	1.0				
-80	0.3	3.8	10.6	19.5	23.6	19.5	10.6	3.8	0.3										
-90	0.3	3.8	10.6	19.5	23.6	19.5	10.6	3.8	0.3										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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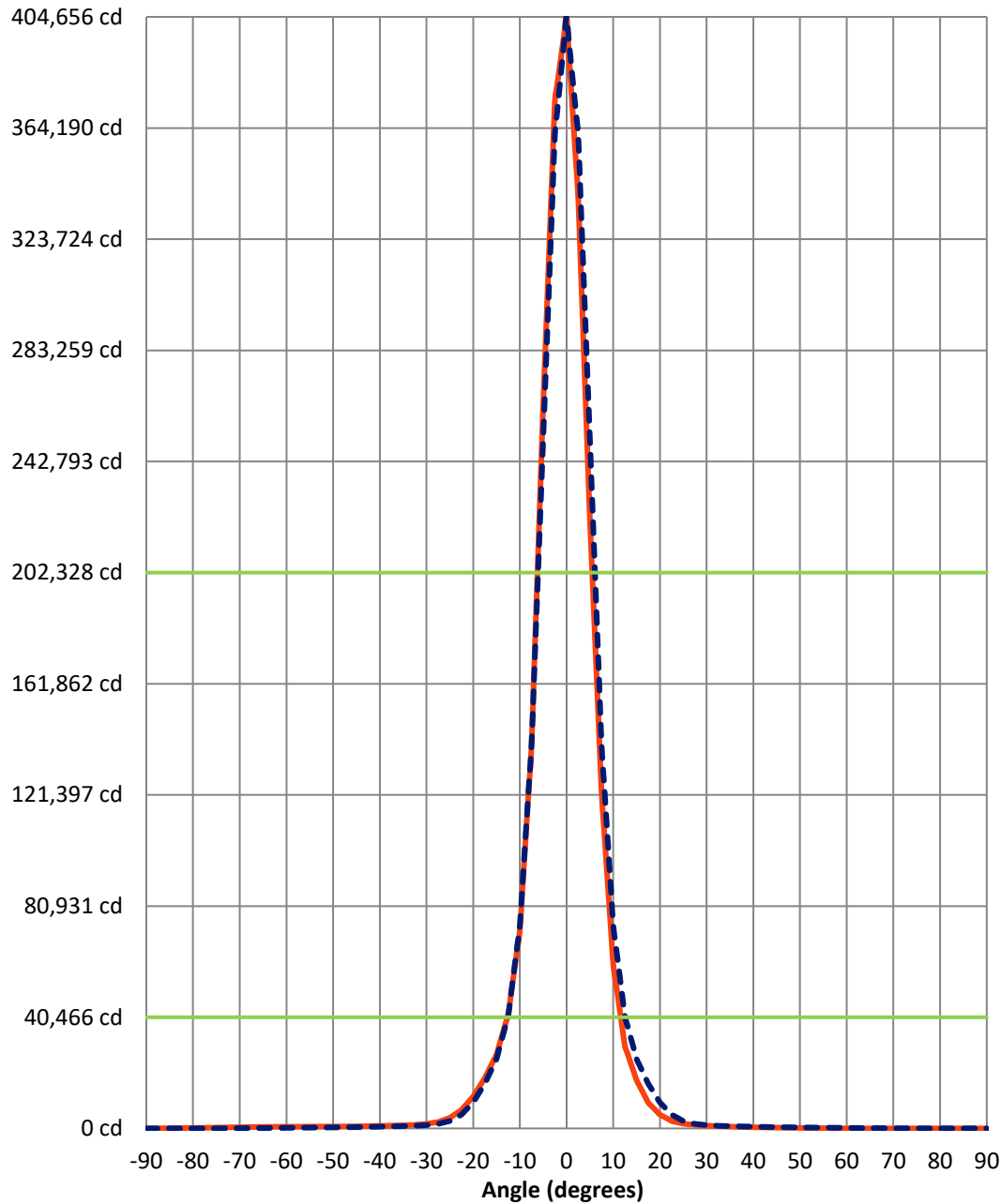
Luminous Intensity Polar Plot



— 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: 8842.7
 Efficiency: 31.3%

Field:
 H Angle: 25.1°
 V Angle: 24.3°
 Lumens: 20120.3
 Efficiency: 71.2%

Spill:
 Lumens: 8145
 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	5.1	5.1
85°	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	5.1	10.1	10.1
82.5°	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	10.1	10.1	10.1
80°	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	10.1	10.1	10.1
77.5°	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	5.1	5.1	10.1
75°	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
72.5°	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
70°	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
67.5°	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
65°	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
62.5°	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
60°	10.1	10.1	10.1	10.1	15.2	15.2	20.3	20.3	20.3	10.1	20.3
57.5°	81.0	81.0	76.0	70.9	65.8	60.8	60.8	60.8	60.8	60.8	50.6
55°	111.4	111.4	111.4	106.3	106.3	101.3	96.2	91.1	91.1	86.1	81.0
52.5°	131.7	131.7	131.7	131.7	126.6	126.6	126.6	121.5	111.4	111.4	106.3
50°	187.4	182.3	182.3	182.3	182.3	172.2	167.1	157.0	151.9	146.9	141.8
47.5°	243.1	243.1	238.0	238.0	232.9	222.8	212.7	202.6	192.4	187.4	177.2
45°	288.6	288.6	283.6	283.6	278.5	268.4	253.2	238.0	227.9	217.7	207.6
42.5°	354.5	349.4	344.3	339.3	329.1	314.0	293.7	273.4	258.3	243.1	232.9
40°	425.4	425.4	420.3	415.2	400.0	384.9	359.5	334.2	308.9	278.5	263.3
37.5°	511.4	516.5	521.6	521.6	511.4	491.2	455.7	425.4	384.9	344.3	324.1
35°	668.4	668.4	678.6	678.6	663.4	638.0	612.7	546.9	496.3	445.6	400.0
32.5°	840.6	845.7	825.4	810.2	790.0	759.6	714.0	658.3	602.6	536.8	486.1
30°	1007.7	1007.7	982.4	952.0	911.5	860.9	805.1	744.4	678.6	612.7	552.0
27.5°	1271.0	1245.7	1225.4	1174.8	1103.9	1007.7	936.8	840.6	754.5	678.6	612.7
25°	1706.5	1701.4	1655.9	1569.8	1428.0	1276.1	1159.6	997.6	865.9	749.4	673.5
22.5°	2714.2	2678.8	2572.4	2359.7	2025.5	1762.2	1524.2	1271.0	1033.0	876.0	754.5
20°	5018.3	4901.8	4618.2	4030.8	3281.4	2764.9	2172.4	1747.0	1347.0	1053.3	871.0
17.5°	9363.0	9287.1	9180.7	7823.6	6299.4	5205.6	3873.8	2678.8	1914.1	1377.4	1033.0
15°	17551.2	16989.1	15814.3	14188.8	12057.0	9317.4	6851.4	4324.5	2734.5	1833.1	1311.5
12.5°	30003.2	29380.3	26347.1	22280.8	18447.5	14548.4	10213.7	6572.8	3894.1	2329.4	1554.6
10°	59783.6	55261.6	46769.5	34905.0	27243.4	20316.1	14340.8	8968.0	5068.9	2942.1	1843.2
7.5°	122448.4	107672.2	82970.8	58573.3	37912.9	26645.9	18315.9	11727.8	6755.1	3681.4	2106.6
5°	221932.4	195717.0	147448.6	88784.1	55053.9	33395.9	21734.0	13945.8	7995.8	4284.0	2369.9
2.5°	338876.5	304964.0	213172.0	122083.8	67885.7	38621.8	24124.1	15404.2	8785.7	4694.2	2572.4
0°	404655.6	361461.1	251044.4	139771.8	73997.7	40839.8	25293.8	16280.2	9454.2	5028.4	2704.1
-2.5°	373801.7	339028.4	230713.1	129836.6	70711.3	39867.5	25460.9	16498.0	9565.6	5119.5	2764.9
-5°	263455.8	234916.1	159637.2	95812.7	59996.2	36722.9	24022.8	15677.6	9256.7	4987.9	2739.5
-7.5°	139381.9	126469.1	94673.3	68847.8	43792.0	31081.8	21627.6	14224.3	8456.6	4633.4	2587.6
-10°	72012.7	69364.3	59773.4	45057.9	35436.7	26038.2	18457.7	12163.3	7069.1	3990.3	2329.4
-12.5°	41518.3	41067.6	37983.8	32606.0	27172.5	21389.6	15145.9	9920.0	5899.4	3306.7	1964.8
-15°	26883.9	27076.3	26002.8	23764.5	20670.5	16006.8	11636.7	7378.0	4365.0	2678.8	1731.8
-17.5°	18346.3	18295.6	17794.3	16260.0	13768.5	10811.3	7712.2	5210.7	3306.7	2086.3	1438.1
-20°	11606.3	11626.6	11160.7	10102.3	8269.2	6664.0	4800.5	3514.3	2344.6	1640.7	1271.0



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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°	6734.9	6750.1	6456.4	5858.8	4896.7	3949.8	3119.3	2324.3	1726.8	1367.2	1114.0
-25°	3868.8	3808.0	3691.5	3402.9	2952.2	2435.7	2071.1	1635.6	1382.4	1159.6	1017.8
-27.5°	2344.6	2304.0	2243.3	2116.7	1939.4	1681.2	1514.1	1321.7	1174.8	1043.1	957.1
-30°	1635.6	1650.8	1600.2	1534.3	1453.3	1336.9	1245.7	1154.6	1058.3	977.3	896.3
-32.5°	1301.4	1311.5	1286.2	1260.9	1220.4	1174.8	1119.1	1053.3	977.3	901.4	825.4
-35°	1119.1	1124.2	1124.2	1119.1	1109.0	1073.5	1033.0	972.3	901.4	830.5	764.6
-37.5°	1028.0	1033.0	1033.0	1028.0	1012.8	982.4	941.9	891.2	825.4	759.6	708.9
-40°	931.7	936.8	931.7	921.6	906.4	876.0	845.7	805.1	754.5	698.8	653.2
-42.5°	840.6	835.5	830.5	820.3	805.1	784.9	759.6	729.2	693.7	653.2	617.8
-45°	754.5	754.5	749.4	744.4	734.3	719.1	703.9	678.6	653.2	622.9	592.5
-47.5°	708.9	708.9	703.9	698.8	693.7	683.6	668.4	648.2	627.9	602.6	577.3
-50°	678.6	678.6	678.6	673.5	668.4	658.3	643.1	627.9	607.7	582.3	557.0
-52.5°	658.3	658.3	658.3	653.2	648.2	643.1	627.9	607.7	582.3	562.1	541.8
-55°	648.2	643.1	643.1	638.0	633.0	627.9	607.7	587.4	567.1	546.9	526.6
-57.5°	633.0	627.9	627.9	622.9	617.8	612.7	592.5	572.2	552.0	526.6	511.4
-60°	617.8	612.7	612.7	602.6	597.5	592.5	572.2	552.0	531.7	511.4	491.2
-62.5°	597.5	592.5	587.4	582.3	572.2	562.1	546.9	526.6	501.3	481.1	460.8
-65°	552.0	546.9	541.8	536.8	531.7	526.6	511.4	486.1	465.9	445.6	425.4
-67.5°	496.3	496.3	496.3	486.1	481.1	470.9	460.8	440.6	420.3	400.0	384.9
-70°	430.4	430.4	430.4	420.3	415.2	410.2	395.0	379.8	364.6	349.4	329.1
-72.5°	364.6	359.5	359.5	354.5	344.3	339.3	329.1	319.0	303.8	293.7	278.5
-75°	298.8	293.7	293.7	288.6	283.6	278.5	268.4	263.3	253.2	243.1	227.9
-77.5°	238.0	238.0	238.0	232.9	227.9	222.8	217.7	212.7	207.6	197.5	187.4
-80°	182.3	182.3	182.3	182.3	182.3	182.3	182.3	177.2	167.1	162.0	157.0
-82.5°	131.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	131.7	126.6	121.5
-85°	86.1	91.1	91.1	96.2	101.3	101.3	106.3	101.3	96.2	86.1	81.0
-87.5°	45.6	45.6	45.6	45.6	45.6	45.6	45.6	40.5	40.5	40.5	35.4
-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°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	10.1	10.1	10.1
85°	10.1	10.1	10.1	10.1	15.2	15.2	15.2	20.3	20.3	20.3	20.3
82.5°	10.1	15.2	15.2	15.2	20.3	20.3	25.3	30.4	40.5	45.6	45.6
80°	10.1	15.2	15.2	15.2	20.3	20.3	25.3	25.3	30.4	35.4	45.6
77.5°	10.1	10.1	15.2	15.2	15.2	20.3	20.3	25.3	25.3	30.4	35.4
75°	5.1	10.1	10.1	10.1	15.2	15.2	20.3	20.3	25.3	25.3	30.4
72.5°	5.1	10.1	10.1	10.1	15.2	15.2	20.3	20.3	20.3	25.3	25.3
70°	5.1	10.1	10.1	10.1	10.1	15.2	15.2	15.2	20.3	20.3	20.3
67.5°	5.1	5.1	5.1	10.1	10.1	10.1	10.1	15.2	15.2	15.2	20.3
65°	5.1	5.1	5.1	5.1	10.1	10.1	10.1	10.1	15.2	15.2	15.2
62.5°	5.1	5.1	5.1	10.1	10.1	10.1	10.1	10.1	15.2	15.2	15.2
60°	20.3	20.3	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
57.5°	45.6	45.6	40.5	35.4	30.4	30.4	25.3	20.3	20.3	15.2	15.2
55°	76.0	70.9	65.8	55.7	50.6	45.6	40.5	30.4	25.3	20.3	15.2
52.5°	96.2	91.1	86.1	81.0	70.9	60.8	55.7	50.6	40.5	30.4	25.3
50°	141.8	126.6	116.5	106.3	96.2	86.1	76.0	70.9	55.7	45.6	35.4
47.5°	172.2	162.0	146.9	136.7	126.6	111.4	96.2	86.1	76.0	60.8	45.6
45°	197.5	187.4	172.2	162.0	151.9	136.7	121.5	106.3	96.2	81.0	60.8
42.5°	222.8	212.7	197.5	187.4	172.2	157.0	141.8	126.6	111.4	101.3	81.0
40°	258.3	243.1	222.8	212.7	202.6	182.3	162.0	146.9	131.7	116.5	96.2
37.5°	303.8	288.6	263.3	243.1	227.9	212.7	192.4	172.2	157.0	136.7	116.5
35°	374.7	349.4	314.0	283.6	263.3	243.1	217.7	197.5	177.2	157.0	136.7
32.5°	445.6	405.1	359.5	324.1	293.7	268.4	243.1	222.8	197.5	172.2	151.9
30°	501.3	455.7	410.2	359.5	324.1	293.7	268.4	243.1	217.7	192.4	167.1
27.5°	557.0	506.4	455.7	405.1	354.5	314.0	288.6	263.3	238.0	212.7	182.3
25°	612.7	557.0	506.4	450.7	389.9	344.3	308.9	288.6	263.3	232.9	197.5
22.5°	663.4	612.7	562.1	501.3	430.4	369.7	334.2	308.9	283.6	248.1	217.7
20°	759.6	693.7	633.0	557.0	476.0	415.2	369.7	334.2	303.8	268.4	232.9
17.5°	886.2	790.0	708.9	622.9	541.8	465.9	400.0	359.5	329.1	288.6	248.1
15°	1048.2	881.1	779.8	693.7	597.5	511.4	440.6	384.9	344.3	303.8	268.4
12.5°	1169.7	952.0	840.6	759.6	658.3	562.1	470.9	405.1	359.5	319.0	278.5
10°	1306.5	1028.0	891.2	800.1	693.7	587.4	491.2	420.3	369.7	334.2	293.7
7.5°	1417.9	1088.7	916.6	815.3	714.0	607.7	511.4	435.5	384.9	344.3	303.8
5°	1519.1	1139.4	936.8	820.3	724.1	622.9	521.6	445.6	395.0	354.5	314.0
2.5°	1590.0	1184.9	957.1	830.5	734.3	633.0	536.8	455.7	405.1	364.6	324.1
0°	1650.8	1200.1	952.0	830.5	739.3	633.0	541.8	460.8	410.2	369.7	329.1
-2.5°	1671.1	1225.4	977.3	840.6	749.4	643.1	552.0	465.9	415.2	374.7	339.3
-5°	1671.1	1205.2	977.3	850.7	754.5	648.2	552.0	470.9	420.3	379.8	339.3
-7.5°	1610.3	1174.8	972.3	860.9	759.6	653.2	552.0	476.0	425.4	384.9	344.3
-10°	1504.0	1129.2	967.2	865.9	759.6	648.2	552.0	476.0	425.4	384.9	349.4
-12.5°	1331.8	1068.5	941.9	855.8	749.4	638.0	546.9	476.0	425.4	389.9	349.4
-15°	1245.7	1017.8	911.5	825.4	724.1	622.9	536.8	470.9	425.4	389.9	354.5
-17.5°	1129.2	977.3	881.1	795.0	703.9	607.7	526.6	470.9	425.4	384.9	354.5
-20°	1048.2	931.7	845.7	769.7	678.6	592.5	521.6	465.9	425.4	384.9	354.5



REPORT NUMBER: P724058
 CATALOG NUMBER: IFLD-M-SA4E-727-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°	977.3	881.1	805.1	729.2	648.2	572.2	511.4	460.8	420.3	384.9	354.5
-25°	921.6	835.5	764.6	693.7	622.9	557.0	501.3	455.7	415.2	384.9	349.4
-27.5°	871.0	790.0	724.1	658.3	592.5	541.8	491.2	450.7	415.2	379.8	344.3
-30°	815.3	749.4	683.6	622.9	577.3	526.6	481.1	440.6	410.2	374.7	339.3
-32.5°	759.6	698.8	643.1	597.5	557.0	516.5	476.0	435.5	400.0	364.6	329.1
-35°	708.9	653.2	612.7	572.2	541.8	506.4	465.9	425.4	395.0	359.5	329.1
-37.5°	658.3	617.8	582.3	552.0	521.6	491.2	450.7	415.2	384.9	349.4	314.0
-40°	617.8	587.4	562.1	536.8	506.4	470.9	440.6	405.1	374.7	339.3	298.8
-42.5°	592.5	567.1	541.8	516.5	491.2	460.8	430.4	395.0	364.6	329.1	288.6
-45°	567.1	546.9	526.6	506.4	481.1	450.7	415.2	379.8	349.4	314.0	283.6
-47.5°	552.0	531.7	511.4	496.3	476.0	435.5	405.1	369.7	334.2	303.8	268.4
-50°	536.8	516.5	501.3	481.1	455.7	420.3	389.9	354.5	324.1	288.6	258.3
-52.5°	521.6	501.3	481.1	460.8	435.5	405.1	374.7	344.3	308.9	273.4	243.1
-55°	506.4	486.1	465.9	445.6	420.3	395.0	364.6	324.1	288.6	253.2	222.8
-57.5°	491.2	476.0	450.7	425.4	400.0	374.7	339.3	303.8	268.4	232.9	207.6
-60°	470.9	450.7	430.4	400.0	374.7	344.3	314.0	283.6	248.1	217.7	192.4
-62.5°	440.6	420.3	400.0	369.7	344.3	319.0	293.7	258.3	232.9	202.6	177.2
-65°	405.1	384.9	364.6	339.3	314.0	288.6	268.4	238.0	212.7	187.4	167.1
-67.5°	364.6	344.3	329.1	303.8	283.6	258.3	238.0	212.7	187.4	167.1	146.9
-70°	314.0	298.8	283.6	263.3	243.1	222.8	202.6	182.3	162.0	146.9	126.6
-72.5°	268.4	253.2	238.0	222.8	207.6	187.4	172.2	157.0	141.8	126.6	116.5
-75°	217.7	207.6	197.5	187.4	172.2	157.0	146.9	131.7	121.5	111.4	106.3
-77.5°	182.3	172.2	162.0	151.9	141.8	131.7	121.5	111.4	106.3	101.3	96.2
-80°	146.9	141.8	136.7	126.6	121.5	111.4	106.3	96.2	96.2	96.2	96.2
-82.5°	116.5	111.4	106.3	101.3	96.2	91.1	91.1	86.1	91.1	91.1	86.1
-85°	81.0	76.0	70.9	70.9	65.8	65.8	60.8	60.8	60.8	55.7	55.7
-87.5°	35.4	35.4	35.4	35.4	30.4	30.4	30.4	30.4	30.4	25.3	25.3
-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: P724058
 CATALOG NUMBER: IFLD-M-SA4E-727-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°	10.1	10.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	0.0	0.0
85°	20.3	20.3	15.2	15.2	15.2	10.1	10.1	5.1	5.1	5.1	5.1
82.5°	45.6	40.5	35.4	30.4	25.3	20.3	15.2	10.1	10.1	5.1	5.1
80°	55.7	55.7	55.7	50.6	40.5	30.4	20.3	15.2	10.1	5.1	5.1
77.5°	40.5	40.5	45.6	50.6	50.6	40.5	25.3	15.2	10.1	10.1	5.1
75°	30.4	30.4	30.4	35.4	40.5	40.5	30.4	20.3	10.1	10.1	5.1
72.5°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	20.3	15.2	10.1	10.1
70°	25.3	25.3	25.3	25.3	25.3	25.3	25.3	20.3	15.2	10.1	10.1
67.5°	20.3	20.3	25.3	25.3	25.3	20.3	20.3	20.3	15.2	10.1	10.1
65°	15.2	20.3	20.3	25.3	20.3	20.3	20.3	15.2	15.2	10.1	10.1
62.5°	15.2	15.2	20.3	20.3	20.3	20.3	15.2	15.2	15.2	10.1	10.1
60°	15.2	15.2	15.2	20.3	15.2	15.2	15.2	15.2	15.2	10.1	10.1
57.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	10.1	10.1	10.1	10.1
55°	15.2	15.2	15.2	15.2	15.2	15.2	10.1	10.1	10.1	10.1	10.1
52.5°	20.3	15.2	15.2	15.2	15.2	15.2	10.1	10.1	10.1	10.1	10.1
50°	25.3	15.2	15.2	15.2	15.2	10.1	10.1	10.1	10.1	10.1	10.1
47.5°	35.4	25.3	20.3	15.2	15.2	10.1	10.1	10.1	10.1	10.1	5.1
45°	50.6	35.4	25.3	20.3	15.2	10.1	10.1	10.1	10.1	10.1	5.1
42.5°	60.8	45.6	30.4	25.3	20.3	15.2	10.1	10.1	10.1	5.1	5.1
40°	76.0	60.8	40.5	30.4	20.3	15.2	10.1	10.1	10.1	5.1	5.1
37.5°	96.2	76.0	50.6	35.4	25.3	15.2	15.2	10.1	10.1	5.1	5.1
35°	111.4	86.1	65.8	40.5	30.4	20.3	15.2	10.1	10.1	5.1	5.1
32.5°	126.6	101.3	81.0	50.6	35.4	25.3	20.3	10.1	10.1	5.1	5.1
30°	141.8	116.5	91.1	65.8	45.6	30.4	20.3	10.1	10.1	5.1	5.1
27.5°	157.0	126.6	101.3	76.0	50.6	35.4	25.3	15.2	10.1	5.1	5.1
25°	172.2	141.8	111.4	86.1	55.7	40.5	25.3	15.2	10.1	10.1	5.1
22.5°	182.3	157.0	126.6	96.2	65.8	45.6	30.4	20.3	10.1	10.1	5.1
20°	197.5	172.2	136.7	106.3	76.0	50.6	30.4	20.3	10.1	10.1	5.1
17.5°	212.7	182.3	146.9	116.5	86.1	55.7	35.4	25.3	10.1	10.1	5.1
15°	227.9	192.4	157.0	121.5	91.1	60.8	35.4	25.3	10.1	10.1	5.1
12.5°	243.1	207.6	167.1	131.7	96.2	65.8	40.5	30.4	15.2	10.1	5.1
10°	253.2	217.7	177.2	136.7	101.3	76.0	45.6	30.4	15.2	10.1	5.1
7.5°	268.4	227.9	187.4	146.9	106.3	81.0	50.6	30.4	15.2	10.1	5.1
5°	273.4	238.0	192.4	157.0	111.4	86.1	55.7	35.4	15.2	10.1	5.1
2.5°	278.5	248.1	197.5	162.0	116.5	86.1	55.7	35.4	20.3	10.1	5.1
0°	283.6	253.2	202.6	167.1	121.5	91.1	60.8	35.4	20.3	10.1	5.1
-2.5°	288.6	258.3	212.7	172.2	126.6	96.2	65.8	35.4	20.3	10.1	5.1
-5°	293.7	258.3	222.8	177.2	131.7	96.2	65.8	40.5	25.3	10.1	5.1
-7.5°	298.8	263.3	227.9	182.3	136.7	96.2	70.9	40.5	25.3	15.2	5.1
-10°	303.8	268.4	232.9	187.4	136.7	101.3	70.9	40.5	25.3	15.2	5.1
-12.5°	308.9	273.4	232.9	187.4	141.8	101.3	70.9	45.6	25.3	15.2	5.1
-15°	314.0	273.4	232.9	187.4	141.8	106.3	76.0	45.6	25.3	15.2	10.1
-17.5°	314.0	273.4	232.9	192.4	141.8	106.3	76.0	45.6	25.3	15.2	10.1
-20°	314.0	273.4	232.9	192.4	141.8	106.3	76.0	45.6	25.3	15.2	10.1



REPORT NUMBER: P724058
 CATALOG NUMBER: IFLD-M-SA4E-727-U-22-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	308.9	268.4	232.9	187.4	141.8	106.3	76.0	45.6	30.4	15.2	10.1
-25°	308.9	268.4	232.9	187.4	141.8	106.3	70.9	45.6	30.4	15.2	10.1
-27.5°	303.8	268.4	227.9	182.3	136.7	101.3	70.9	45.6	30.4	15.2	10.1
-30°	298.8	263.3	222.8	177.2	136.7	101.3	70.9	45.6	30.4	15.2	10.1
-32.5°	293.7	253.2	217.7	172.2	131.7	96.2	70.9	45.6	30.4	15.2	10.1
-35°	283.6	248.1	207.6	167.1	126.6	96.2	65.8	45.6	30.4	20.3	10.1
-37.5°	273.4	238.0	202.6	162.0	121.5	91.1	65.8	45.6	30.4	20.3	10.1
-40°	263.3	232.9	192.4	151.9	116.5	86.1	65.8	45.6	30.4	20.3	15.2
-42.5°	253.2	222.8	187.4	146.9	116.5	86.1	60.8	45.6	30.4	20.3	15.2
-45°	248.1	217.7	177.2	141.8	111.4	86.1	60.8	40.5	30.4	20.3	15.2
-47.5°	238.0	202.6	167.1	136.7	106.3	81.0	55.7	40.5	30.4	20.3	15.2
-50°	222.8	192.4	162.0	131.7	101.3	76.0	55.7	40.5	30.4	20.3	15.2
-52.5°	207.6	177.2	151.9	121.5	96.2	76.0	55.7	40.5	30.4	20.3	15.2
-55°	192.4	167.1	141.8	116.5	91.1	70.9	50.6	40.5	30.4	20.3	15.2
-57.5°	182.3	157.0	131.7	106.3	86.1	65.8	50.6	35.4	25.3	20.3	15.2
-60°	172.2	146.9	121.5	101.3	81.0	65.8	50.6	35.4	25.3	20.3	10.1
-62.5°	157.0	136.7	111.4	96.2	76.0	60.8	45.6	35.4	25.3	20.3	10.1
-65°	141.8	121.5	101.3	86.1	70.9	55.7	45.6	35.4	25.3	20.3	10.1
-67.5°	126.6	111.4	96.2	81.0	65.8	55.7	45.6	35.4	25.3	15.2	10.1
-70°	116.5	101.3	86.1	76.0	65.8	50.6	45.6	35.4	25.3	15.2	10.1
-72.5°	101.3	91.1	81.0	70.9	60.8	55.7	45.6	35.4	20.3	15.2	10.1
-75°	96.2	86.1	76.0	70.9	65.8	55.7	45.6	30.4	20.3	15.2	10.1
-77.5°	96.2	86.1	81.0	76.0	65.8	55.7	40.5	25.3	15.2	15.2	10.1
-80°	96.2	91.1	86.1	70.9	60.8	45.6	30.4	25.3	15.2	10.1	5.1
-82.5°	86.1	70.9	60.8	50.6	45.6	35.4	25.3	20.3	10.1	10.1	5.1
-85°	55.7	45.6	40.5	35.4	30.4	25.3	15.2	10.1	10.1	5.1	5.1
-87.5°	25.3	25.3	20.3	15.2	15.2	10.1	10.1	5.1	5.1	5.1	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: P724058
 CATALOG NUMBER: IFLD-M-SA4E-727-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°	5.1	0.0	0.0	0.0
77.5°	5.1	0.0	0.0	0.0
75°	5.1	5.1	0.0	0.0
72.5°	5.1	5.1	0.0	0.0
70°	5.1	5.1	0.0	0.0
67.5°	5.1	5.1	0.0	0.0
65°	5.1	5.1	0.0	0.0
62.5°	5.1	5.1	0.0	0.0
60°	5.1	5.1	0.0	0.0
57.5°	5.1	5.1	5.1	0.0
55°	5.1	5.1	5.1	0.0
52.5°	5.1	5.1	5.1	0.0
50°	5.1	5.1	5.1	0.0
47.5°	5.1	5.1	5.1	0.0
45°	5.1	5.1	5.1	0.0
42.5°	5.1	5.1	5.1	0.0
40°	5.1	5.1	5.1	0.0
37.5°	5.1	5.1	5.1	0.0
35°	5.1	5.1	5.1	0.0
32.5°	5.1	5.1	5.1	0.0
30°	5.1	5.1	5.1	0.0
27.5°	5.1	5.1	5.1	0.0
25°	5.1	5.1	5.1	0.0
22.5°	5.1	5.1	5.1	0.0
20°	5.1	5.1	5.1	0.0
17.5°	5.1	5.1	5.1	0.0
15°	5.1	5.1	5.1	0.0
12.5°	5.1	5.1	5.1	0.0
10°	5.1	5.1	5.1	0.0
7.5°	5.1	5.1	5.1	0.0
5°	5.1	5.1	5.1	0.0
2.5°	5.1	5.1	5.1	0.0
0°	5.1	5.1	5.1	0.0
-2.5°	5.1	5.1	5.1	0.0
-5°	5.1	5.1	5.1	0.0
-7.5°	5.1	5.1	5.1	0.0
-10°	5.1	5.1	5.1	0.0
-12.5°	5.1	5.1	5.1	0.0
-15°	5.1	5.1	5.1	0.0
-17.5°	5.1	5.1	5.1	0.0
-20°	5.1	5.1	5.1	0.0



REPORT NUMBER: P724058
 CATALOG NUMBER: IFLD-M-SA4E-727-U-22-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	5.1	5.1	5.1	0.0
-25°	5.1	5.1	5.1	0.0
-27.5°	5.1	5.1	5.1	0.0
-30°	5.1	5.1	5.1	0.0
-32.5°	5.1	5.1	5.1	0.0
-35°	5.1	5.1	5.1	0.0
-37.5°	5.1	5.1	5.1	0.0
-40°	5.1	5.1	5.1	0.0
-42.5°	5.1	5.1	5.1	0.0
-45°	5.1	5.1	5.1	0.0
-47.5°	5.1	5.1	5.1	0.0
-50°	5.1	5.1	5.1	0.0
-52.5°	5.1	5.1	5.1	0.0
-55°	5.1	5.1	5.1	0.0
-57.5°	5.1	5.1	5.1	0.0
-60°	5.1	5.1	0.0	0.0
-62.5°	5.1	5.1	0.0	0.0
-65°	5.1	5.1	0.0	0.0
-67.5°	5.1	5.1	0.0	0.0
-70°	5.1	5.1	0.0	0.0
-72.5°	5.1	5.1	0.0	0.0
-75°	5.1	5.1	0.0	0.0
-77.5°	5.1	0.0	0.0	0.0
-80°	5.1	0.0	0.0	0.0
-82.5°	5.1	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)