

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: P722003

Luminaire Tested: **IFLD-M-SA4A-727-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722003
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-727-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

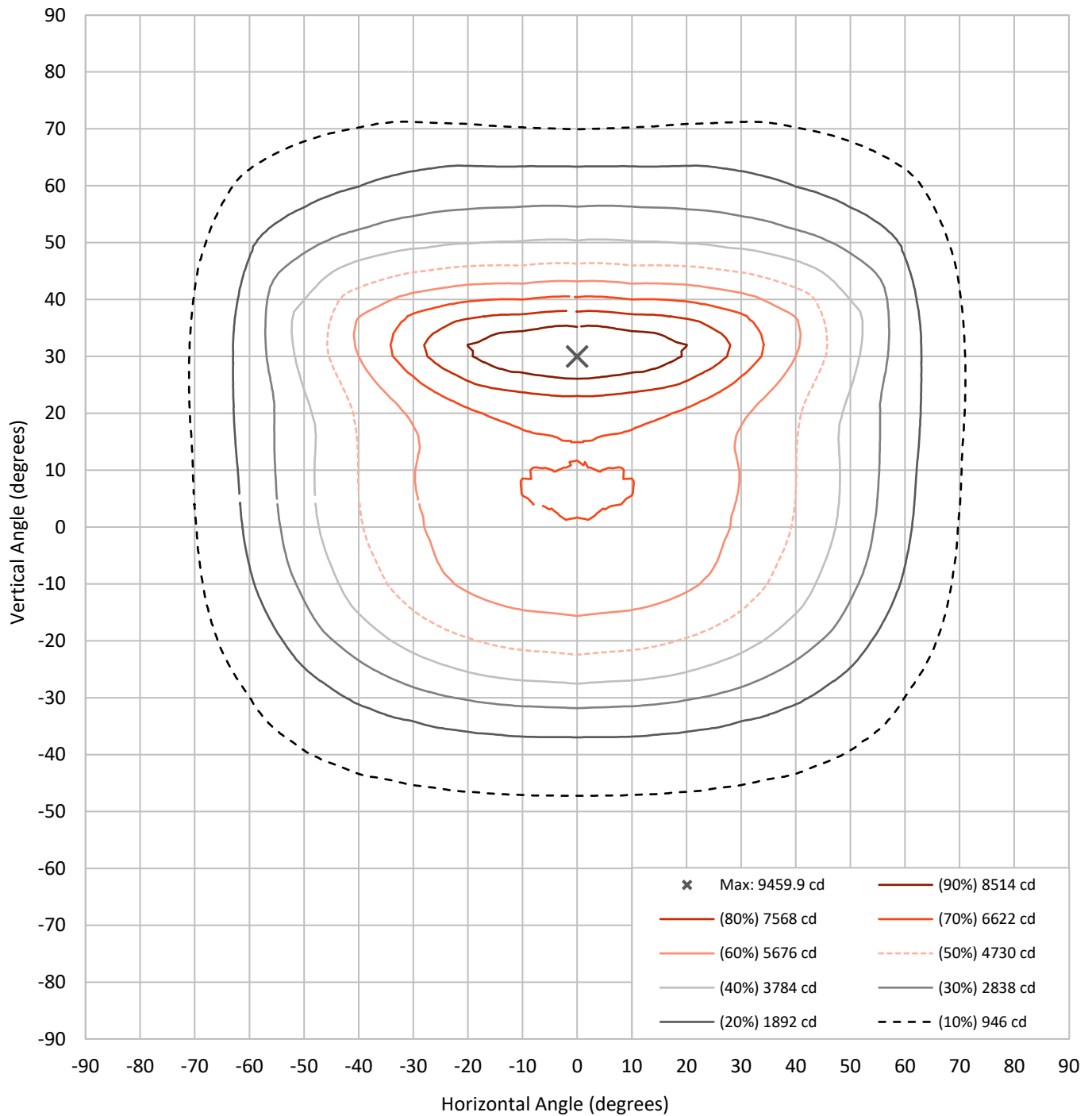
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	15791 lumens	Max Intensity:	9459.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	122.8 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	9182.6 lumens	Field Lumens:	14798.2 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

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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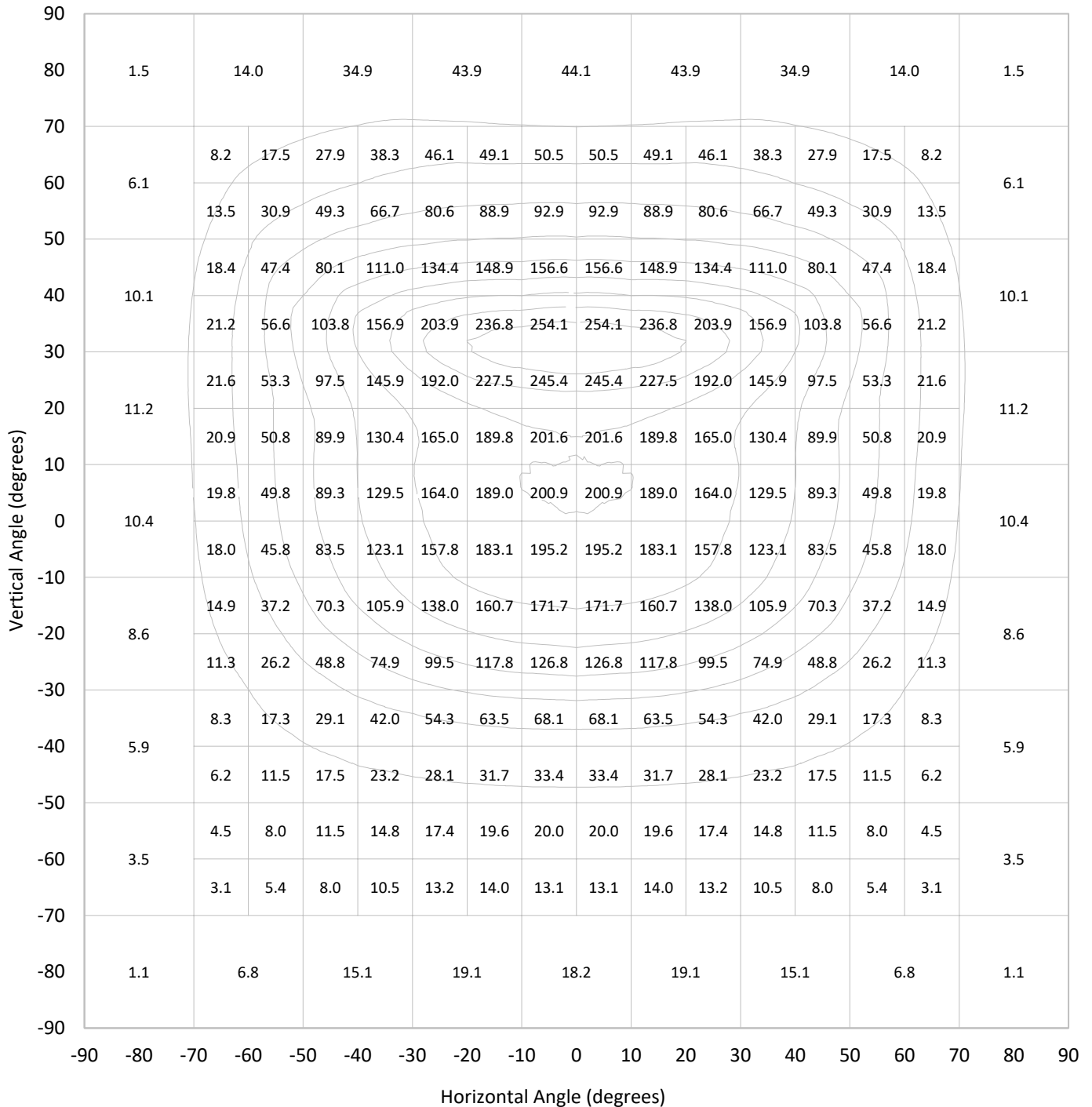
Iso-Candela Plot





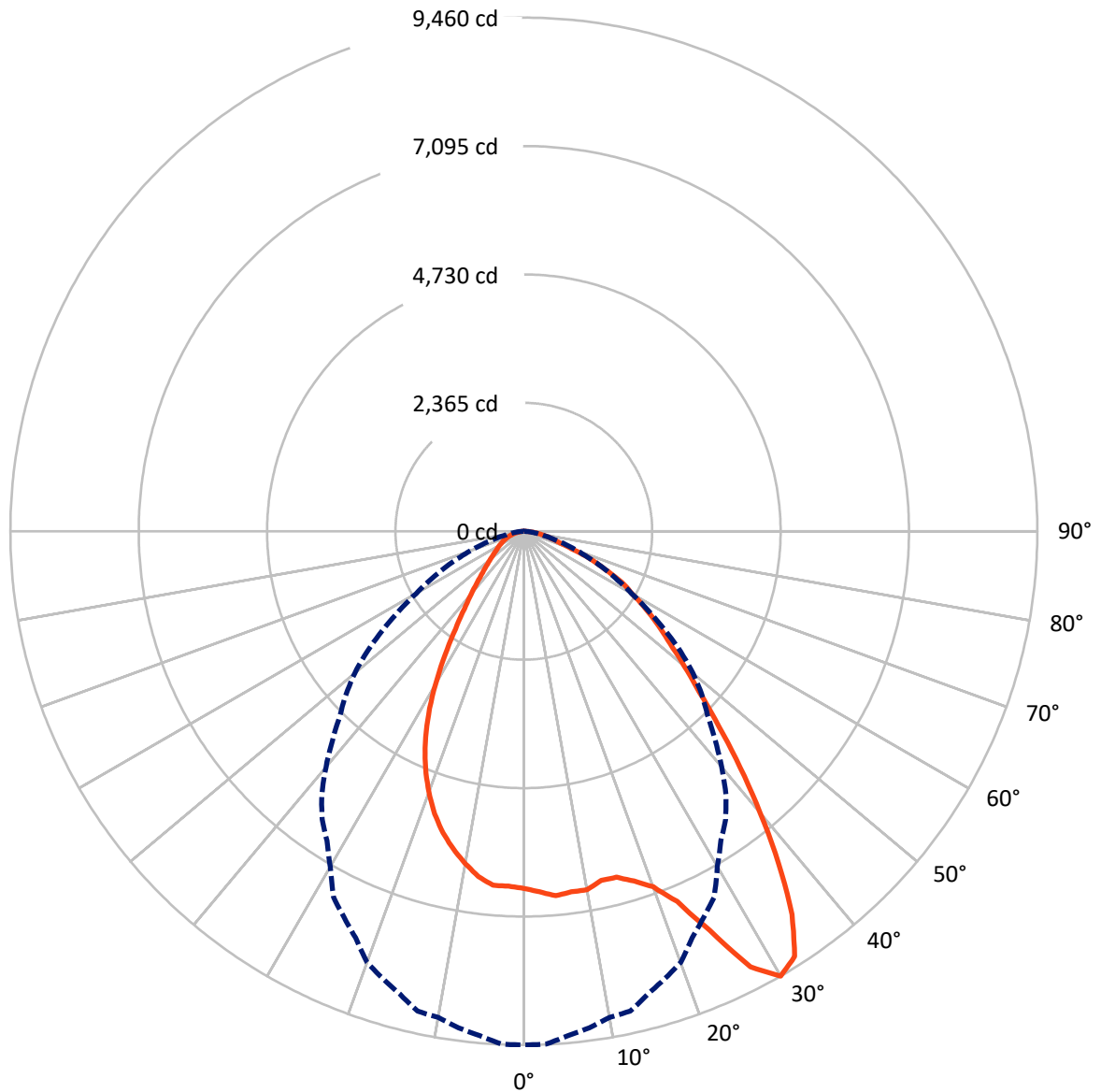
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Lumen Table



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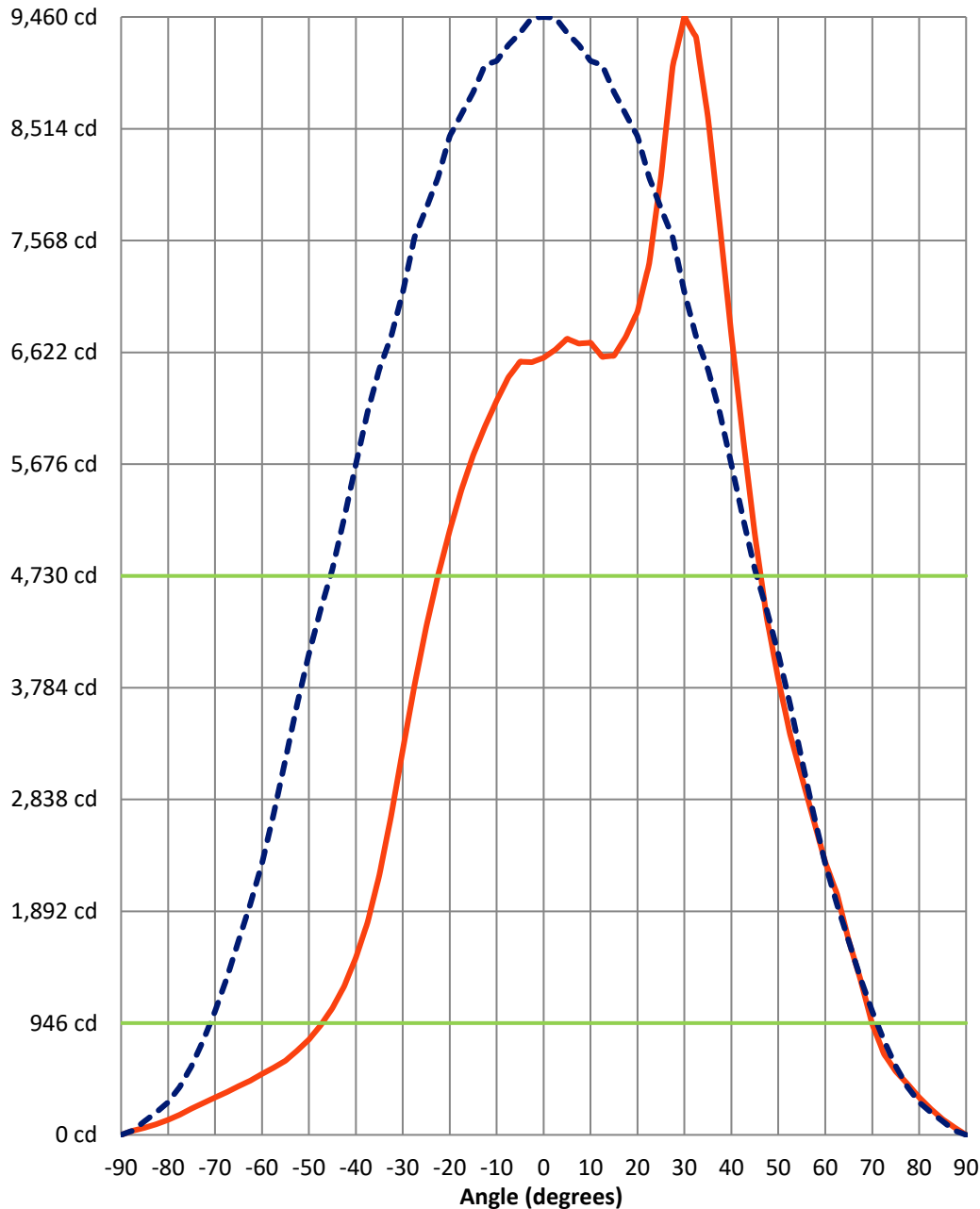
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 9182.6
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 14798.2
 Efficiency: 93.7%

Spill:
 Lumens: 992.8
 Efficiency: 6.3%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 30-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°	63.6	65.2	66.9	66.9	65.2	65.2	65.2	63.6	65.2	65.2	65.2
85°	132.2	135.5	138.8	137.2	135.5	132.2	128.8	130.5	132.2	133.8	133.8
82.5°	219.1	224.2	227.5	225.8	222.5	219.1	215.8	217.5	220.8	222.5	222.5
80°	317.8	319.5	321.2	324.5	319.5	319.5	317.8	324.5	327.9	331.2	334.6
77.5°	431.6	433.3	433.3	434.9	436.6	438.3	438.3	450.0	458.4	463.4	468.4
75°	538.7	543.7	548.7	553.7	560.4	563.7	568.8	585.5	598.9	608.9	619.0
72.5°	685.9	692.6	700.9	712.6	724.3	732.7	744.4	764.5	779.5	789.6	801.3
70°	938.5	945.2	953.5	961.9	973.6	982.0	993.7	1018.8	1033.8	1040.5	1047.2
67.5°	1313.2	1329.9	1345.0	1328.2	1319.9	1308.2	1311.5	1334.9	1350.0	1360.0	1358.3
65°	1646.1	1657.8	1657.8	1656.1	1649.4	1634.4	1642.7	1671.2	1687.9	1696.3	1671.2
62.5°	2037.5	2037.5	2029.2	2042.5	2044.2	2034.2	2029.2	2030.8	2032.5	2037.5	1995.7
60°	2308.5	2325.3	2330.3	2342.0	2345.3	2345.3	2353.7	2360.4	2360.4	2350.3	2301.8
57.5°	2666.5	2698.3	2705.0	2696.6	2679.9	2658.1	2654.8	2644.8	2624.7	2604.6	2581.2
55°	3027.8	3044.6	3042.9	3037.9	3021.2	2996.1	2999.4	2986.0	2954.2	2929.1	2897.4
52.5°	3390.9	3431.0	3437.7	3427.7	3404.2	3377.5	3379.1	3364.1	3332.3	3305.5	3262.0
50°	3854.2	3887.7	3884.3	3867.6	3834.2	3814.1	3815.8	3787.3	3750.5	3742.1	3685.3
47.5°	4384.5	4423.0	4416.3	4392.9	4347.7	4339.4	4347.7	4310.9	4289.2	4270.8	4203.9
45°	5080.4	5125.6	5100.5	5055.3	4983.4	4991.8	5003.5	4996.8	4949.9	4901.4	4816.1
42.5°	5896.8	5925.2	5895.1	5849.9	5759.6	5776.3	5769.6	5729.5	5701.0	5620.7	5512.0
40°	6770.0	6831.9	6785.0	6714.8	6621.1	6646.2	6627.8	6575.9	6509.0	6408.7	6271.5
37.5°	7711.8	7760.3	7706.8	7624.8	7541.2	7532.8	7496.0	7415.7	7320.4	7209.9	6990.8
35°	8613.5	8738.9	8640.2	8509.7	8407.7	8369.2	8334.1	8148.4	8039.7	7860.7	7561.2
32.5°	9284.3	9376.3	9254.2	9118.7	8994.9	8941.3	8817.5	8596.7	8538.2	8161.8	7887.4
30°	9459.9	9453.2	9326.1	9222.4	9088.5	9051.7	8824.2	8636.9	8449.5	8101.6	7840.6
27.5°	9041.7	8999.9	8877.8	8787.4	8655.3	8611.8	8387.6	8287.3	7997.9	7703.4	7482.6
25°	8109.9	8131.7	8039.7	7994.5	7907.5	7813.8	7725.2	7589.7	7409.0	7151.4	6949.0
22.5°	7375.6	7404.0	7365.5	7312.0	7245.1	7193.2	7126.3	7020.9	6846.9	6688.0	6497.3
20°	6967.4	6959.0	6925.6	6885.4	6821.8	6785.0	6711.4	6622.8	6489.0	6351.8	6146.0
17.5°	6753.3	6701.4	6669.6	6654.6	6621.1	6574.3	6487.3	6396.9	6293.2	6137.7	5987.1
15°	6594.3	6602.7	6577.6	6565.9	6539.1	6473.9	6385.2	6311.6	6171.1	6092.5	5955.3
12.5°	6584.3	6575.9	6577.6	6572.6	6539.1	6455.5	6410.3	6316.7	6226.3	6122.6	5965.4
10°	6703.1	6614.4	6621.1	6644.5	6591.0	6524.1	6475.6	6373.5	6288.2	6156.1	6000.5
7.5°	6696.4	6651.2	6664.6	6626.1	6642.9	6560.9	6494.0	6391.9	6284.9	6144.3	6003.8
5°	6736.5	6667.9	6656.2	6659.6	6617.8	6555.9	6465.5	6368.5	6268.1	6110.9	5967.0
2.5°	6644.5	6654.6	6601.0	6581.0	6575.9	6472.2	6388.6	6294.9	6191.2	6052.3	5923.5
0°	6575.9	6594.3	6539.1	6510.7	6509.0	6420.4	6366.8	6259.8	6186.2	6070.7	5915.2
-2.5°	6539.1	6560.9	6567.6	6515.7	6465.5	6396.9	6306.6	6191.2	6070.7	5936.9	5803.1
-5°	6542.5	6499.0	6480.6	6497.3	6453.8	6385.2	6284.9	6182.8	6064.1	5920.2	5752.9
-7.5°	6410.3	6366.8	6363.5	6355.1	6345.1	6279.8	6196.2	6085.8	5965.4	5831.5	5676.0
-10°	6212.9	6181.2	6172.8	6164.4	6137.7	6099.2	6020.6	5920.2	5811.5	5677.6	5512.0
-12.5°	5993.8	5978.7	5947.0	5925.2	5898.4	5853.3	5778.0	5686.0	5577.3	5458.5	5316.3
-15°	5751.2	5722.8	5691.0	5672.6	5634.1	5580.6	5505.3	5420.0	5301.2	5184.1	5050.3
-17.5°	5458.5	5423.4	5388.2	5383.2	5356.4	5274.5	5204.2	5100.5	4996.8	4884.7	4754.2
-20°	5113.9	5065.4	5041.9	5028.6	4991.8	4931.5	4856.3	4760.9	4660.5	4553.5	4402.9



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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°	4732.5	4690.6	4650.5	4625.4	4593.6	4546.8	4474.9	4391.2	4292.5	4172.1	4033.2
-25°	4299.2	4240.7	4215.6	4187.1	4170.4	4126.9	4056.6	3979.7	3877.6	3760.5	3628.4
-27.5°	3804.0	3757.2	3743.8	3703.7	3683.6	3638.4	3579.9	3507.9	3414.3	3303.9	3195.1
-30°	3257.0	3228.6	3206.8	3166.7	3151.6	3103.1	3064.6	3004.4	2919.1	2840.5	2753.5
-32.5°	2694.9	2666.5	2659.8	2641.4	2631.4	2599.6	2556.1	2512.6	2444.0	2385.5	2315.2
-35°	2196.4	2176.4	2178.0	2176.4	2166.3	2142.9	2089.4	2077.7	2027.5	1974.0	1928.8
-37.5°	1798.3	1800.0	1798.3	1796.6	1783.2	1773.2	1734.7	1719.7	1689.6	1637.7	1610.9
-40°	1498.9	1502.2	1500.5	1497.2	1482.1	1477.1	1452.0	1432.0	1420.2	1383.4	1355.0
-42.5°	1256.3	1261.3	1259.6	1258.0	1247.9	1246.3	1232.9	1209.5	1202.8	1181.0	1150.9
-45°	1072.3	1070.6	1067.3	1070.6	1065.6	1060.6	1052.2	1037.2	1028.8	1018.8	993.7
-47.5°	926.8	928.4	925.1	925.1	918.4	913.4	910.0	900.0	893.3	884.9	869.9
-50°	806.3	813.0	811.3	809.7	804.6	801.3	801.3	791.3	781.2	777.9	767.8
-52.5°	712.6	717.6	719.3	722.7	724.3	726.0	721.0	711.0	694.2	692.6	687.5
-55°	627.3	642.4	652.4	659.1	665.8	670.8	660.8	647.4	630.7	624.0	622.3
-57.5°	568.8	583.8	595.5	605.6	613.9	622.3	612.3	598.9	583.8	575.5	573.8
-60°	515.2	528.6	540.3	553.7	565.4	578.8	573.8	563.7	555.4	548.7	542.0
-62.5°	458.4	471.7	485.1	501.9	516.9	530.3	532.0	530.3	528.6	530.3	518.6
-65°	411.5	418.2	426.6	445.0	461.7	476.8	485.1	490.1	498.5	506.9	495.2
-67.5°	361.3	369.7	379.7	393.1	406.5	416.5	428.2	441.6	455.0	468.4	460.0
-70°	316.2	322.9	331.2	337.9	346.3	353.0	363.0	378.1	393.1	406.5	403.2
-72.5°	269.3	276.0	281.0	284.4	289.4	292.7	297.8	311.1	321.2	327.9	327.9
-75°	222.5	229.2	234.2	235.9	239.2	240.9	244.2	249.3	254.3	255.9	257.6
-77.5°	170.6	177.3	182.3	185.7	189.0	192.4	194.0	197.4	199.1	199.1	200.7
-80°	127.1	132.2	135.5	140.5	142.2	145.5	148.9	150.6	152.2	152.2	153.9
-82.5°	90.3	93.7	97.0	100.4	103.7	105.4	108.7	110.4	112.1	113.8	115.4
-85°	60.2	63.6	66.9	70.3	71.9	73.6	75.3	77.0	78.6	80.3	82.0
-87.5°	35.1	36.8	38.5	41.8	43.5	46.8	48.5	46.8	48.5	48.5	48.5
-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°	65.2	65.2	65.2	65.2	63.6	60.2	58.5	55.2	51.9	48.5	45.2
85°	135.5	137.2	137.2	137.2	133.8	132.2	127.1	122.1	115.4	105.4	97.0
82.5°	225.8	227.5	227.5	225.8	222.5	217.5	210.8	202.4	189.0	175.6	163.9
80°	339.6	341.3	341.3	339.6	331.2	322.9	314.5	304.5	287.7	269.3	249.3
77.5°	475.1	478.4	478.4	473.4	461.7	451.7	438.3	421.6	396.5	369.7	342.9
75°	632.3	640.7	642.4	637.4	622.3	603.9	582.1	553.7	515.2	481.8	450.0
72.5°	814.7	823.0	829.7	823.0	801.3	776.2	744.4	711.0	672.5	627.3	573.8
70°	1053.9	1062.3	1067.3	1045.5	1007.1	965.2	926.8	888.3	843.1	787.9	729.4
67.5°	1355.0	1346.6	1336.6	1293.1	1244.6	1194.4	1140.9	1084.0	1025.5	966.9	898.3
65°	1644.4	1621.0	1599.2	1547.4	1485.5	1420.2	1358.3	1294.8	1224.5	1150.9	1085.7
62.5°	1948.9	1898.7	1845.1	1781.6	1718.0	1646.1	1584.2	1508.9	1430.3	1339.9	1256.3
60°	2248.3	2188.1	2134.5	2055.9	1972.3	1875.3	1808.3	1734.7	1642.7	1545.7	1447.0
57.5°	2537.7	2472.5	2413.9	2345.3	2255.0	2149.6	2076.0	1980.6	1883.6	1761.5	1661.1
55°	2845.5	2780.3	2733.4	2656.5	2557.8	2460.8	2380.5	2280.1	2144.6	2014.1	1890.3
52.5°	3198.5	3146.6	3096.4	3017.8	2899.0	2800.3	2711.7	2599.6	2457.4	2296.8	2147.9
50°	3593.3	3566.5	3513.0	3421.0	3285.5	3198.5	3081.4	2932.5	2780.3	2611.3	2425.6
47.5°	4116.9	4073.4	3998.1	3897.7	3784.0	3653.5	3496.2	3322.3	3106.5	2919.1	2721.7
45°	4742.5	4662.2	4565.2	4429.7	4289.2	4142.0	3969.7	3748.8	3459.4	3215.2	3007.8
42.5°	5420.0	5311.3	5179.1	5001.8	4819.5	4638.8	4453.1	4152.0	3790.7	3509.6	3275.4
40°	6127.6	5988.8	5823.2	5565.5	5363.1	5130.6	4918.2	4468.2	4083.4	3778.9	3529.7
37.5°	6820.2	6644.5	6366.8	6054.0	5818.1	5627.4	5160.7	4678.9	4334.3	3999.8	3747.2
35°	7350.5	7201.6	6711.4	6386.9	6184.5	5883.4	5299.6	4806.1	4441.4	4163.7	3770.6
32.5°	7665.0	7280.2	6850.3	6522.4	6355.1	5861.6	5309.6	4842.9	4491.6	4180.4	3710.4
30°	7594.7	7129.7	6753.3	6478.9	6115.9	5672.6	5215.9	4786.0	4444.7	4068.4	3643.4
27.5°	7171.5	6811.8	6475.6	6189.5	5833.2	5435.1	5013.5	4635.4	4317.6	3952.9	3551.4
25°	6693.0	6366.8	6117.6	5868.3	5530.4	5150.7	4779.3	4506.6	4187.1	3827.5	3431.0
22.5°	6253.1	6018.9	5823.2	5562.2	5232.6	4901.4	4670.6	4387.9	4060.0	3695.3	3307.2
20°	5972.0	5813.1	5589.0	5301.2	5041.9	4834.5	4578.6	4279.1	3941.2	3559.8	3201.8
17.5°	5836.5	5652.5	5403.3	5215.9	5016.9	4789.3	4503.3	4185.5	3825.8	3497.9	3213.5
15°	5766.3	5572.2	5408.3	5224.3	5000.1	4760.9	4443.1	4113.5	3825.8	3523.0	3221.9
12.5°	5781.3	5614.1	5435.1	5234.3	4993.4	4737.5	4449.8	4143.6	3845.9	3541.4	3223.6
10°	5828.2	5652.5	5461.8	5239.3	4996.8	4744.2	4468.2	4162.0	3855.9	3549.8	3220.2
7.5°	5844.9	5654.2	5450.1	5226.0	4988.4	4740.8	4471.5	4167.0	3857.6	3548.1	3210.2
5°	5793.1	5620.7	5423.4	5197.5	4965.0	4724.1	4458.1	4160.4	3844.2	3531.4	3185.1
2.5°	5722.8	5583.9	5394.9	5177.4	4941.6	4700.7	4436.4	4130.2	3814.1	3501.3	3153.3
0°	5711.1	5538.8	5348.1	5154.0	4903.1	4648.8	4386.2	4073.4	3758.9	3444.4	3098.1
-2.5°	5634.1	5451.8	5261.1	5050.3	4829.5	4573.5	4297.5	3991.4	3680.3	3370.8	3037.9
-5°	5575.6	5373.2	5170.8	4943.2	4720.8	4464.8	4178.8	3881.0	3576.5	3275.4	2954.2
-7.5°	5497.0	5289.5	5077.1	4839.5	4598.6	4337.7	4055.0	3757.2	3457.8	3158.3	2850.5
-10°	5338.0	5155.7	4956.6	4710.7	4456.5	4195.5	3914.4	3621.7	3322.3	3019.5	2710.0
-12.5°	5145.7	4953.3	4735.8	4510.0	4282.5	4039.9	3758.9	3471.1	3170.0	2865.6	2557.8
-15°	4896.4	4707.4	4484.9	4264.1	4044.9	3812.4	3564.8	3305.5	2999.4	2700.0	2392.2
-17.5°	4585.3	4407.9	4208.9	3998.1	3780.6	3546.4	3305.5	3086.4	2800.3	2519.3	2214.8
-20°	4250.7	4085.1	3906.1	3707.0	3489.5	3260.4	3032.9	2803.7	2556.1	2308.5	2025.8



REPORT NUMBER: P722003
 CATALOG NUMBER: IFLD-M-SA4A-727-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	3902.7	3735.5	3554.8	3369.1	3168.4	2955.9	2745.1	2526.0	2308.5	2084.4	1845.1
-25°	3501.3	3354.0	3188.4	3007.8	2828.8	2643.1	2442.3	2243.3	2057.6	1863.5	1667.8
-27.5°	3081.4	2945.9	2795.3	2638.1	2484.2	2328.6	2154.6	1970.6	1816.7	1656.1	1493.8
-30°	2639.7	2531.0	2408.9	2271.7	2152.9	2027.5	1881.9	1729.7	1589.2	1467.1	1336.6
-32.5°	2221.5	2129.5	2042.5	1952.2	1835.1	1738.1	1637.7	1525.6	1401.8	1286.4	1192.7
-35°	1861.9	1763.2	1726.4	1659.5	1575.8	1490.5	1416.9	1336.6	1242.9	1140.9	1063.9
-37.5°	1559.1	1500.5	1448.7	1411.9	1356.7	1288.1	1229.5	1171.0	1099.1	1022.1	945.2
-40°	1323.2	1283.1	1226.2	1207.8	1172.7	1125.8	1065.6	1020.4	971.9	913.4	848.1
-42.5°	1134.2	1104.1	1067.3	1035.5	1020.4	987.0	940.1	896.6	858.2	818.0	767.8
-45°	978.6	958.5	935.1	906.7	895.0	868.2	834.7	786.2	764.5	731.0	694.2
-47.5°	853.1	843.1	826.4	808.0	791.3	771.2	741.1	711.0	680.8	659.1	630.7
-50°	754.5	747.8	737.7	722.7	700.9	687.5	667.5	640.7	612.3	593.9	573.8
-52.5°	675.8	669.1	662.4	650.7	634.0	620.6	603.9	582.1	558.7	540.3	523.6
-55°	615.6	605.6	600.6	590.5	577.1	562.1	547.0	532.0	511.9	495.2	478.4
-57.5°	568.8	555.4	548.7	540.3	526.9	511.9	500.2	485.1	471.7	453.3	438.3
-60°	532.0	516.9	503.5	495.2	483.5	468.4	456.7	445.0	431.6	416.5	398.1
-62.5°	501.9	483.5	465.1	455.0	443.3	429.9	418.2	406.5	393.1	378.1	361.3
-65°	473.4	451.7	428.2	418.2	406.5	393.1	378.1	369.7	358.0	344.6	327.9
-67.5°	438.3	414.9	394.8	383.1	371.4	359.7	346.3	337.9	326.2	309.5	292.7
-70°	386.4	371.4	358.0	348.0	337.9	327.9	314.5	301.1	287.7	272.7	257.6
-72.5°	321.2	316.2	314.5	309.5	297.8	286.1	272.7	259.3	247.6	235.9	224.2
-75°	259.3	262.6	266.0	264.3	252.6	240.9	229.2	217.5	209.1	199.1	189.0
-77.5°	205.8	209.1	212.5	212.5	204.1	197.4	189.0	180.7	174.0	165.6	155.6
-80°	158.9	163.9	169.0	172.3	165.6	160.6	153.9	147.2	140.5	133.8	127.1
-82.5°	120.4	125.5	130.5	133.8	128.8	125.5	120.4	115.4	110.4	103.7	98.7
-85°	87.0	90.3	93.7	95.4	92.0	88.7	85.3	82.0	78.6	73.6	70.3
-87.5°	50.2	51.9	53.5	55.2	51.9	48.5	46.8	43.5	41.8	38.5	36.8
-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):

	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°	41.8	38.5	35.1	33.5	30.1	25.1	21.7	18.4	15.1	11.7	10.0
85°	88.7	80.3	70.3	65.2	58.5	51.9	45.2	38.5	31.8	25.1	18.4
82.5°	152.2	142.2	132.2	120.4	105.4	87.0	68.6	56.9	46.8	36.8	28.4
80°	229.2	210.8	194.0	179.0	162.3	138.8	113.8	90.3	63.6	48.5	36.8
77.5°	317.8	296.1	272.7	247.6	220.8	189.0	160.6	130.5	98.7	66.9	46.8
75°	418.2	389.8	358.0	322.9	287.7	245.9	205.8	170.6	133.8	93.7	56.9
72.5°	530.3	495.2	456.7	409.8	354.6	306.1	257.6	210.8	167.3	118.8	77.0
70°	674.2	619.0	562.1	511.9	441.6	364.7	307.8	254.3	199.1	145.5	97.0
67.5°	828.1	761.1	692.6	619.0	530.3	440.0	358.0	297.8	232.5	170.6	115.4
65°	995.3	911.7	824.7	742.7	620.6	513.6	421.6	339.6	264.3	194.0	133.8
62.5°	1167.6	1068.9	968.6	861.5	721.0	588.8	481.8	386.4	294.4	215.8	150.6
60°	1351.7	1236.2	1114.1	980.3	816.3	670.8	538.7	434.9	326.2	237.5	169.0
57.5°	1545.7	1420.2	1276.4	1095.7	915.0	749.4	603.9	478.4	354.6	257.6	182.3
55°	1756.5	1612.6	1455.4	1216.2	1012.1	828.1	669.1	521.9	384.8	274.3	195.7
52.5°	1984.0	1816.7	1617.6	1343.3	1114.1	908.4	729.4	560.4	413.2	292.7	207.4
50°	2238.3	2027.5	1759.8	1460.4	1202.8	983.6	789.6	602.2	436.6	312.8	217.5
47.5°	2502.6	2275.1	1887.0	1569.1	1293.1	1057.2	851.5	639.0	460.0	329.5	227.5
45°	2778.6	2447.4	2019.1	1666.2	1371.7	1124.1	898.3	672.5	488.5	344.6	235.9
42.5°	3051.3	2577.8	2134.5	1763.2	1445.3	1184.4	936.8	704.3	511.9	359.7	244.2
40°	3180.1	2676.5	2226.6	1830.1	1507.2	1237.9	970.2	732.7	532.0	369.7	252.6
37.5°	3233.6	2736.8	2286.8	1893.7	1555.7	1266.3	998.7	757.8	548.7	379.7	259.3
35°	3245.3	2758.5	2316.9	1937.2	1595.9	1293.1	1020.4	776.2	562.1	389.8	266.0
32.5°	3223.6	2751.8	2325.3	1952.2	1621.0	1313.2	1035.5	789.6	572.1	399.8	272.7
30°	3175.1	2716.7	2295.1	1950.5	1639.4	1324.9	1045.5	799.6	582.1	406.5	276.0
27.5°	3096.4	2654.8	2256.7	1952.2	1649.4	1329.9	1050.5	804.6	588.8	411.5	282.7
25°	2999.4	2571.2	2258.3	1948.9	1651.1	1331.6	1050.5	804.6	590.5	413.2	287.7
22.5°	2887.3	2571.2	2258.3	1943.8	1641.1	1328.2	1045.5	801.3	590.5	416.5	292.7
20°	2894.0	2572.8	2253.3	1933.8	1626.0	1318.2	1033.8	792.9	585.5	421.6	296.1
17.5°	2899.0	2569.5	2243.3	1920.4	1605.9	1301.5	1018.8	781.2	585.5	426.6	297.8
15°	2899.0	2559.4	2228.2	1900.3	1580.8	1278.1	997.0	771.2	587.2	428.2	301.1
12.5°	2894.0	2541.0	2204.8	1873.6	1550.7	1249.6	983.6	767.8	587.2	429.9	301.1
10°	2884.0	2516.0	2174.7	1840.1	1522.3	1239.6	976.9	761.1	583.8	429.9	301.1
7.5°	2865.6	2485.8	2149.6	1820.1	1505.6	1227.9	966.9	751.1	578.8	426.6	304.5
5°	2837.1	2469.1	2129.5	1796.6	1482.1	1219.5	960.2	742.7	575.5	426.6	301.1
2.5°	2800.3	2449.0	2106.1	1766.5	1455.4	1191.1	938.5	724.3	563.7	419.9	297.8
0°	2740.1	2408.9	2066.0	1724.7	1418.6	1162.6	916.7	705.9	552.0	413.2	294.4
-2.5°	2684.9	2355.4	2014.1	1681.2	1383.4	1137.5	900.0	695.9	547.0	411.5	292.7
-5°	2608.0	2281.8	1945.5	1624.3	1336.6	1112.4	883.3	684.2	542.0	408.2	292.7
-7.5°	2522.6	2204.8	1873.6	1565.8	1289.8	1068.9	851.5	665.8	530.3	401.5	291.1
-10°	2390.5	2089.4	1783.2	1498.9	1239.6	1030.5	824.7	649.1	520.3	394.8	284.4
-12.5°	2250.0	1962.2	1679.5	1416.9	1182.7	990.3	794.6	630.7	508.5	388.1	281.0
-15°	2101.1	1831.8	1570.8	1331.6	1120.8	941.8	762.8	610.6	496.8	379.7	276.0
-17.5°	1945.5	1694.6	1458.7	1244.6	1058.9	891.6	729.4	592.2	483.5	371.4	271.0
-20°	1781.6	1554.1	1345.0	1155.9	993.7	841.4	694.2	570.4	468.4	361.3	264.3



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1619.3	1415.2	1227.9	1068.9	926.8	789.6	659.1	548.7	451.7	349.6	259.3
-25°	1475.4	1284.7	1124.1	985.3	861.5	739.4	622.3	526.9	433.3	337.9	252.6
-27.5°	1334.9	1172.7	1022.1	906.7	797.9	690.9	587.2	503.5	414.9	324.5	245.9
-30°	1204.4	1065.6	941.8	829.7	737.7	647.4	557.1	480.1	394.8	311.1	237.5
-32.5°	1085.7	973.6	869.9	762.8	680.8	603.9	528.6	456.7	374.7	297.8	229.2
-35°	975.3	888.3	797.9	707.6	624.0	563.7	498.5	431.6	356.3	282.7	220.8
-37.5°	876.6	806.3	734.4	657.4	585.5	525.3	470.1	406.5	337.9	269.3	212.5
-40°	791.3	734.4	670.8	608.9	548.7	491.8	441.6	381.4	319.5	259.3	204.1
-42.5°	712.6	669.1	617.3	565.4	511.9	461.7	413.2	354.6	301.1	247.6	195.7
-45°	652.4	608.9	567.1	520.3	475.1	431.6	383.1	331.2	284.4	234.2	187.4
-47.5°	595.5	557.1	518.6	480.1	443.3	403.2	354.6	311.1	266.0	222.5	180.7
-50°	545.3	508.5	475.1	441.6	409.8	371.4	326.2	291.1	250.9	210.8	172.3
-52.5°	498.5	466.7	433.3	406.5	379.7	341.3	304.5	271.0	235.9	197.4	163.9
-55°	456.7	426.6	396.5	371.4	346.3	312.8	282.7	254.3	220.8	187.4	155.6
-57.5°	416.5	391.4	363.0	339.6	314.5	287.7	262.6	235.9	205.8	177.3	147.2
-60°	379.7	356.3	331.2	307.8	286.1	264.3	240.9	219.1	192.4	165.6	138.8
-62.5°	342.9	322.9	301.1	277.7	261.0	240.9	222.5	200.7	179.0	155.6	123.8
-65°	309.5	291.1	271.0	250.9	235.9	220.8	204.1	184.0	165.6	143.9	110.4
-67.5°	276.0	259.3	242.6	225.8	212.5	200.7	184.0	169.0	153.9	130.5	97.0
-70°	244.2	230.9	215.8	202.4	192.4	179.0	167.3	153.9	140.5	113.8	82.0
-72.5°	214.1	200.7	189.0	179.0	170.6	158.9	148.9	138.8	120.4	95.4	68.6
-75°	179.0	170.6	163.9	155.6	147.2	138.8	130.5	118.8	100.4	77.0	53.5
-77.5°	147.2	142.2	137.2	130.5	123.8	117.1	107.1	95.4	80.3	60.2	43.5
-80°	120.4	115.4	112.1	105.4	100.4	93.7	83.6	73.6	58.5	46.8	35.1
-82.5°	92.0	88.7	85.3	82.0	77.0	70.3	60.2	51.9	43.5	35.1	26.8
-85°	65.2	63.6	60.2	56.9	51.9	46.8	40.1	35.1	30.1	23.4	18.4
-87.5°	33.5	31.8	30.1	28.4	26.8	23.4	20.1	16.7	15.1	11.7	8.4
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	6.7	5.0	1.7	0.0
85°	13.4	8.4	3.3	0.0
82.5°	20.1	13.4	5.0	0.0
80°	26.8	16.7	8.4	0.0
77.5°	33.5	20.1	10.0	0.0
75°	40.1	25.1	11.7	0.0
72.5°	45.2	28.4	13.4	0.0
70°	53.5	33.5	15.1	0.0
67.5°	66.9	36.8	16.7	0.0
65°	78.6	40.1	18.4	0.0
62.5°	92.0	43.5	20.1	0.0
60°	103.7	46.8	21.7	0.0
57.5°	115.4	55.2	23.4	0.0
55°	125.5	61.9	25.1	0.0
52.5°	137.2	68.6	26.8	0.0
50°	147.2	75.3	28.4	0.0
47.5°	155.6	82.0	28.4	0.0
45°	162.3	87.0	30.1	0.0
42.5°	167.3	92.0	31.8	0.0
40°	172.3	97.0	33.5	0.0
37.5°	177.3	102.0	33.5	0.0
35°	182.3	107.1	35.1	0.0
32.5°	187.4	112.1	35.1	0.0
30°	190.7	115.4	36.8	0.0
27.5°	195.7	118.8	36.8	0.0
25°	197.4	122.1	38.5	0.0
22.5°	200.7	123.8	38.5	0.0
20°	204.1	127.1	38.5	0.0
17.5°	205.8	128.8	40.1	0.0
15°	205.8	130.5	41.8	0.0
12.5°	207.4	132.2	41.8	0.0
10°	207.4	135.5	40.1	0.0
7.5°	210.8	133.8	40.1	0.0
5°	209.1	133.8	40.1	0.0
2.5°	207.4	132.2	40.1	0.0
0°	205.8	132.2	40.1	0.0
-2.5°	205.8	132.2	40.1	0.0
-5°	205.8	132.2	40.1	0.0
-7.5°	204.1	133.8	40.1	0.0
-10°	200.7	133.8	40.1	0.0
-12.5°	199.1	128.8	40.1	0.0
-15°	197.4	127.1	40.1	0.0
-17.5°	194.0	125.5	38.5	0.0
-20°	190.7	123.8	38.5	0.0



REPORT NUMBER: P722003
 CATALOG NUMBER: IFLD-M-SA4A-727-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	187.4	120.4	38.5	0.0
-25°	184.0	117.1	36.8	0.0
-27.5°	180.7	113.8	36.8	0.0
-30°	175.6	110.4	35.1	0.0
-32.5°	170.6	107.1	35.1	0.0
-35°	167.3	102.0	33.5	0.0
-37.5°	162.3	97.0	33.5	0.0
-40°	157.2	92.0	31.8	0.0
-42.5°	152.2	87.0	30.1	0.0
-45°	145.5	82.0	30.1	0.0
-47.5°	140.5	77.0	28.4	0.0
-50°	132.2	70.3	26.8	0.0
-52.5°	122.1	63.6	25.1	0.0
-55°	112.1	58.5	23.4	0.0
-57.5°	102.0	51.9	23.4	0.0
-60°	92.0	45.2	21.7	0.0
-62.5°	82.0	41.8	20.1	0.0
-65°	71.9	38.5	18.4	0.0
-67.5°	60.2	33.5	16.7	0.0
-70°	50.2	30.1	15.1	0.0
-72.5°	43.5	26.8	13.4	0.0
-75°	36.8	23.4	11.7	0.0
-77.5°	31.8	20.1	10.0	0.0
-80°	25.1	15.1	6.7	0.0
-82.5°	18.4	11.7	5.0	0.0
-85°	11.7	8.4	3.3	0.0
-87.5°	6.7	3.3	1.7	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)