

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: P722355

Luminaire Tested: **IFLD-M-SA4E-950-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722355
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-950-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

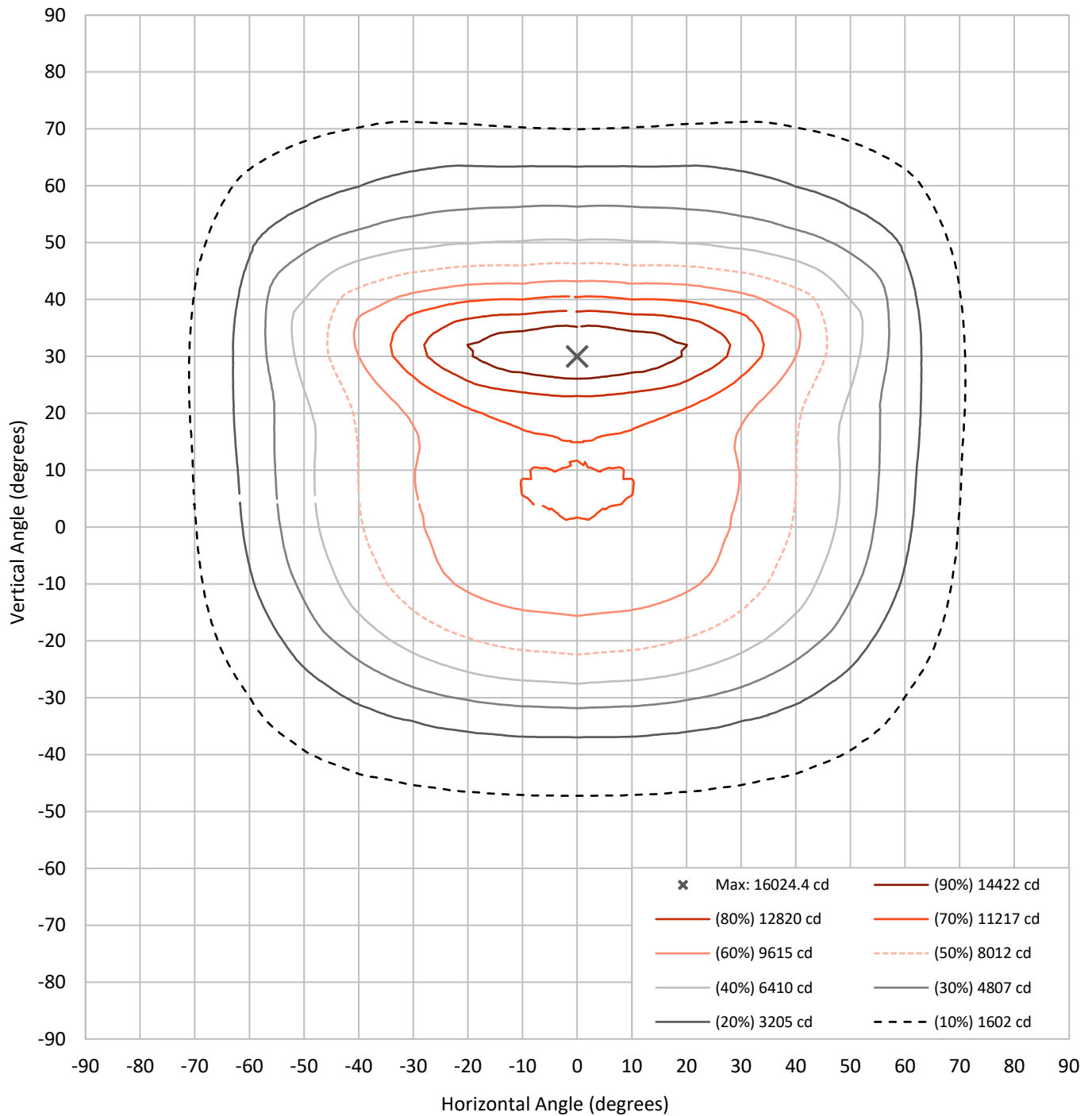
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	26748.8 lumens	Max Intensity:	16024.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	85.0 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	15554.7 lumens	Field Lumens:	25067 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

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



REPORT NUMBER: P722355
CATALOG NUMBER: IFLD-M-SA4E-950-U-76

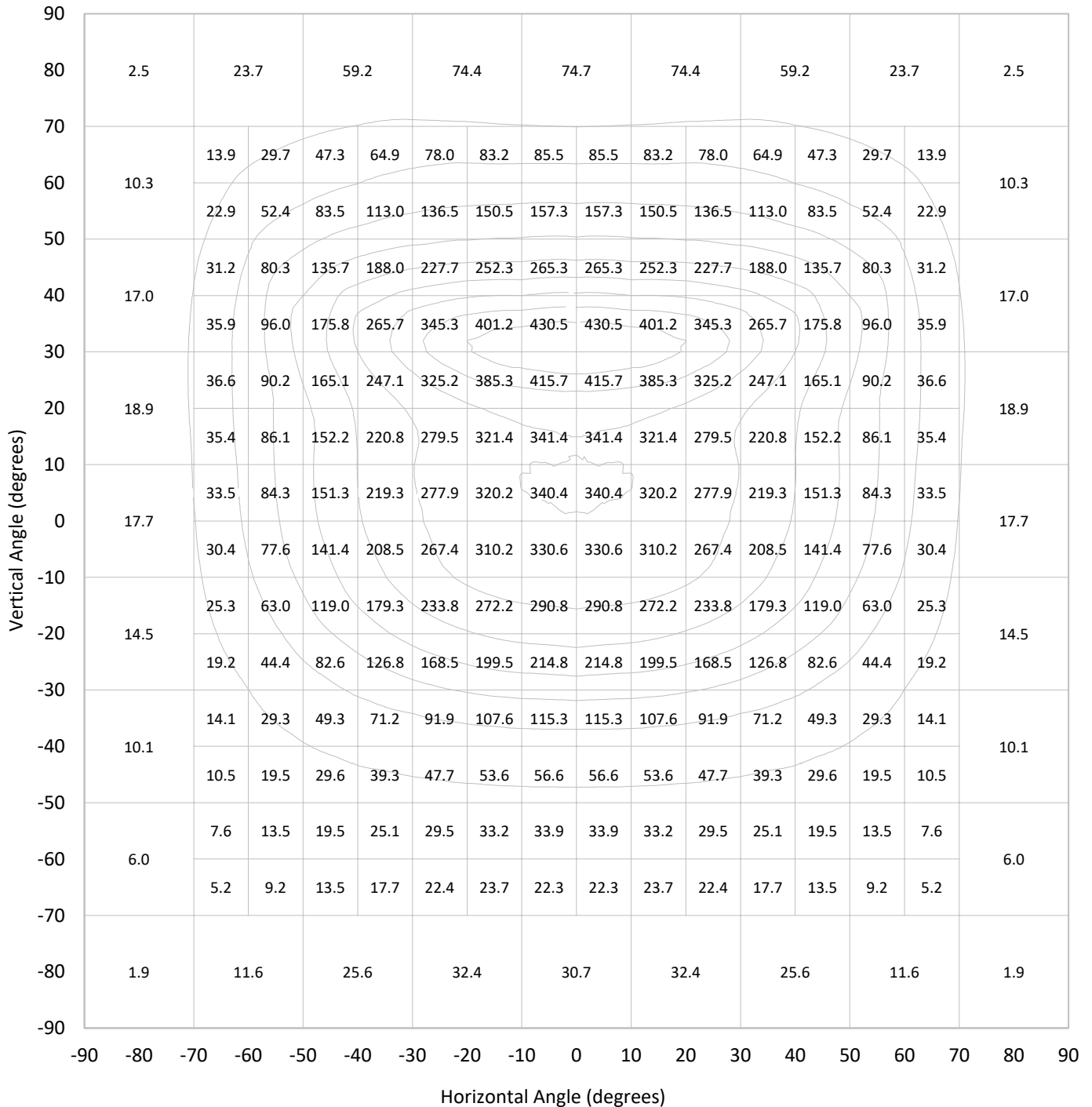
Iso-Candela Plot





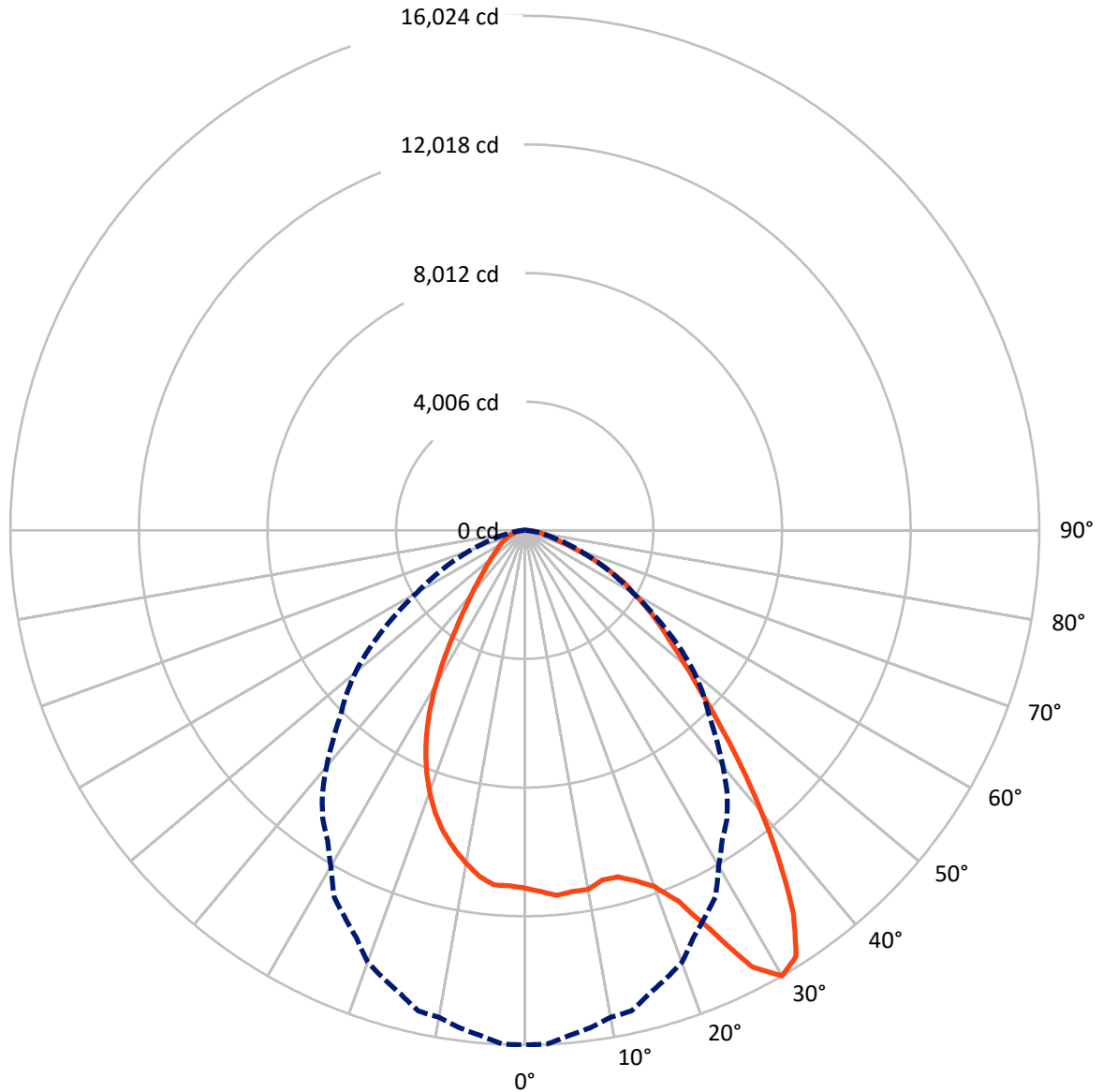
REPORT NUMBER: P722355
 CATALOG NUMBER: IFLD-M-SA4E-950-U-76

Lumen Table



REPORT NUMBER: P722355
CATALOG NUMBER: IFLD-M-SA4E-950-U-76

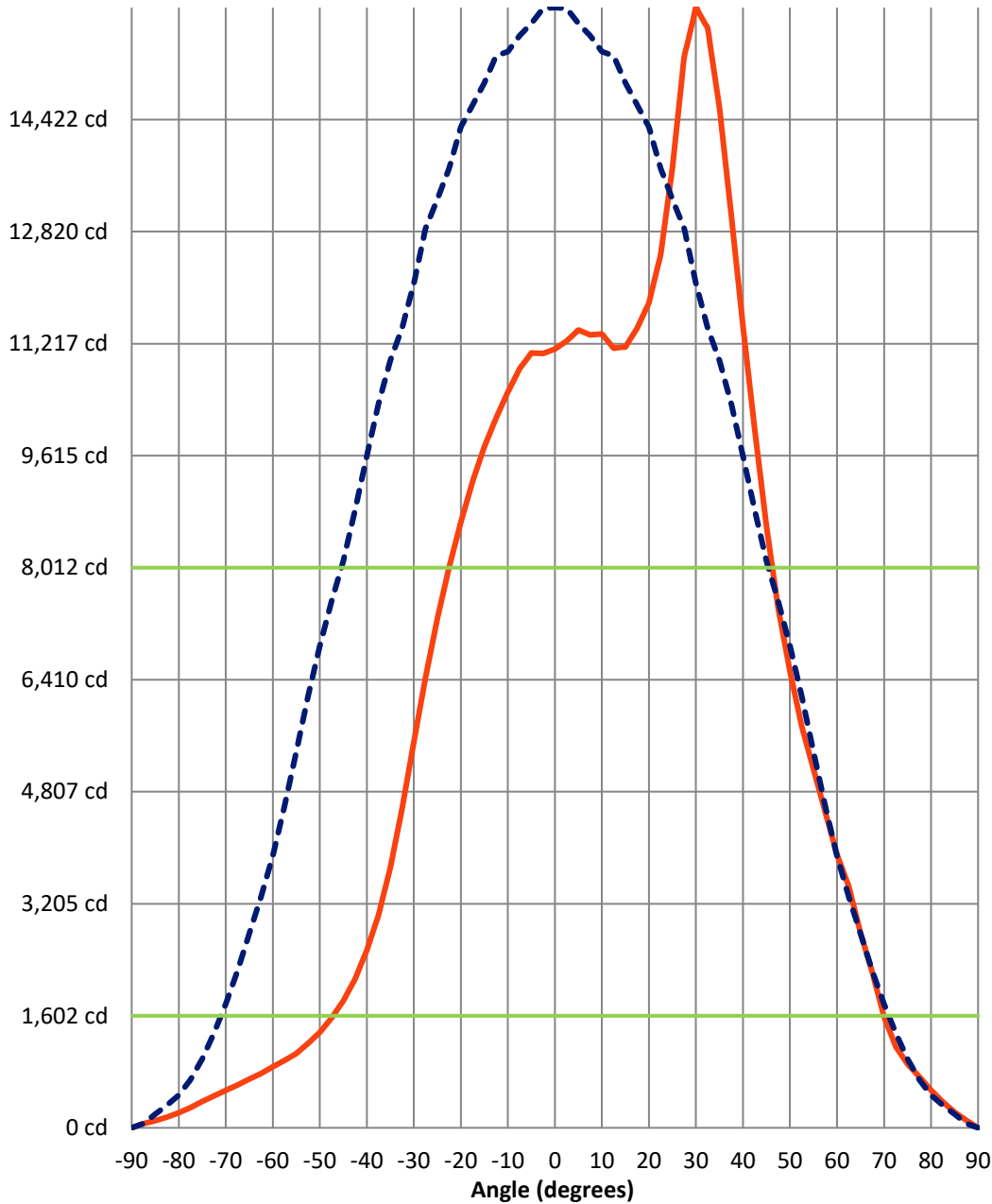
Luminous Intensity Polar Plot



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

REPORT NUMBER: P722355
 CATALOG NUMBER: IFLD-M-SA4E-950-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 15554.7
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 25067
 Efficiency: 93.7%

Spill:
 Lumens: 1681.7
 Efficiency: 6.3%

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



REPORT NUMBER: P722355
 CATALOG NUMBER: IFLD-M-SA4E-950-U-76

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°	107.7	110.5	113.3	113.3	110.5	110.5	110.5	107.7	110.5	110.5	110.5
85°	223.9	229.5	235.2	232.4	229.5	223.9	218.2	221.0	223.9	226.7	226.7
82.5°	371.2	379.7	385.4	382.5	376.9	371.2	365.5	368.4	374.0	376.9	376.9
80°	538.4	541.2	544.1	549.7	541.2	541.2	538.4	549.7	555.4	561.1	566.7
77.5°	731.1	733.9	733.9	736.8	739.6	742.4	742.4	762.3	776.4	784.9	793.4
75°	912.4	920.9	929.4	937.9	949.3	954.9	963.4	991.8	1014.5	1031.5	1048.5
72.5°	1161.8	1173.1	1187.3	1207.1	1227.0	1241.1	1261.0	1295.0	1320.5	1337.5	1357.3
70°	1589.7	1601.0	1615.2	1629.4	1649.2	1663.4	1683.2	1725.7	1751.2	1762.5	1773.9
67.5°	2224.4	2252.8	2278.3	2249.9	2235.8	2215.9	2221.6	2261.3	2286.8	2303.8	2300.9
65°	2788.3	2808.2	2808.2	2805.3	2794.0	2768.5	2782.7	2830.8	2859.2	2873.3	2830.8
62.5°	3451.4	3451.4	3437.2	3459.9	3462.7	3445.7	3437.2	3440.1	3442.9	3451.4	3380.6
60°	3910.5	3938.8	3947.3	3967.1	3972.8	3972.8	3987.0	3998.3	3998.3	3981.3	3899.1
57.5°	4516.9	4570.7	4582.0	4567.9	4539.5	4502.7	4497.0	4480.0	4446.0	4412.0	4372.4
55°	5128.9	5157.3	5154.4	5145.9	5117.6	5075.1	5080.8	5058.1	5004.3	4961.8	4907.9
52.5°	5743.9	5811.9	5823.2	5806.2	5766.5	5721.2	5724.0	5698.5	5644.7	5599.3	5525.7
50°	6528.8	6585.5	6579.8	6551.4	6494.8	6460.8	6463.6	6415.4	6353.1	6338.9	6242.6
47.5°	7427.1	7492.2	7480.9	7441.2	7364.7	7350.5	7364.7	7302.4	7265.5	7234.4	7121.0
45°	8605.9	8682.4	8639.9	8563.4	8441.5	8455.7	8475.5	8464.2	8384.8	8302.7	8158.1
42.5°	9988.7	10036.9	9985.9	9909.3	9756.3	9784.7	9773.3	9705.3	9657.1	9521.1	9336.9
40°	11467.9	11572.7	11493.4	11374.4	11215.7	11258.2	11227.0	11139.2	11025.8	10855.8	10623.4
37.5°	13063.2	13145.4	13054.7	12915.9	12774.2	12760.0	12697.7	12561.7	12400.1	12213.1	11841.9
35°	14590.6	14803.1	14635.9	14414.9	14242.0	14176.9	14117.3	13802.8	13618.6	13315.4	12808.2
32.5°	15726.9	15882.7	15675.9	15446.3	15236.6	15146.0	14936.3	14562.2	14463.1	13825.5	13360.8
30°	16024.4	16013.1	15797.7	15622.0	15395.3	15333.0	14947.6	14630.2	14312.9	13723.5	13281.4
27.5°	15316.0	15245.1	15038.3	14885.3	14661.4	14587.7	14208.0	14038.0	13547.8	13049.1	12675.0
25°	13737.6	13774.5	13618.6	13542.1	13394.8	13236.1	13085.9	12856.4	12550.3	12113.9	11771.1
22.5°	12493.7	12541.8	12476.7	12386.0	12272.6	12184.8	12071.4	11892.9	11598.2	11329.0	11006.0
20°	11802.2	11788.1	11731.4	11663.4	11555.7	11493.4	11368.7	11218.5	10991.8	10759.4	10410.9
17.5°	11439.5	11351.7	11297.8	11272.3	11215.7	11136.3	10989.0	10836.0	10660.3	10396.7	10141.7
15°	11170.3	11184.5	11142.0	11122.2	11076.8	10966.3	10816.1	10691.4	10453.4	10320.2	10087.9
12.5°	11153.3	11139.2	11142.0	11133.5	11076.8	10935.1	10858.6	10699.9	10546.9	10371.2	10104.9
10°	11354.5	11204.3	11215.7	11255.3	11164.7	11051.3	10969.1	10796.3	10651.8	10427.9	10164.4
7.5°	11343.2	11266.7	11289.3	11224.2	11252.5	11113.7	11000.3	10827.5	10646.1	10408.1	10170.0
5°	11411.2	11295.0	11275.2	11280.8	11210.0	11105.2	10952.1	10787.8	10617.8	10351.4	10107.7
2.5°	11255.3	11272.3	11181.7	11147.7	11139.2	10963.5	10821.8	10663.1	10487.4	10252.2	10034.0
0°	11139.2	11170.3	11076.8	11028.6	11025.8	10875.6	10785.0	10603.6	10478.9	10283.4	10019.9
-2.5°	11076.8	11113.7	11125.0	11037.1	10952.1	10836.0	10682.9	10487.4	10283.4	10056.7	9830.0
-5°	11082.5	11008.8	10977.6	11006.0	10932.3	10816.1	10646.1	10473.2	10272.1	10028.4	9745.0
-7.5°	10858.6	10785.0	10779.3	10765.1	10748.1	10637.6	10495.9	10308.9	10104.9	9878.2	9614.6
-10°	10524.3	10470.4	10456.2	10442.1	10396.7	10331.6	10198.4	10028.4	9844.2	9617.5	9336.9
-12.5°	10153.0	10127.5	10073.7	10036.9	9991.5	9915.0	9787.5	9631.6	9447.5	9246.3	9005.4
-15°	9742.2	9694.0	9640.1	9609.0	9543.8	9453.1	9325.6	9181.1	8979.9	8781.5	8554.9
-17.5°	9246.3	9186.8	9127.3	9118.8	9073.4	8934.6	8815.5	8639.9	8464.2	8274.3	8053.3
-20°	8662.5	8580.4	8540.7	8518.0	8455.7	8353.7	8226.1	8064.6	7894.6	7713.3	7458.2



REPORT NUMBER: P722355
 CATALOG NUMBER: IFLD-M-SA4E-950-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	8016.5	7945.6	7877.6	7835.1	7781.3	7701.9	7580.1	7438.4	7271.2	7067.2	6832.0
-25°	7282.5	7183.4	7140.9	7092.7	7064.3	6990.7	6871.7	6741.3	6568.4	6370.1	6146.2
-27.5°	6443.8	6364.4	6341.8	6273.7	6239.7	6163.2	6064.1	5942.2	5783.5	5596.5	5412.3
-30°	5517.2	5469.0	5432.1	5364.1	5338.6	5256.5	5191.3	5089.3	4944.8	4811.6	4664.2
-32.5°	4565.0	4516.9	4505.5	4474.4	4457.4	4403.5	4329.8	4256.2	4140.0	4040.8	3921.8
-35°	3720.6	3686.6	3689.4	3686.6	3669.6	3629.9	3539.3	3519.4	3434.4	3343.7	3267.2
-37.5°	3046.2	3049.0	3046.2	3043.4	3020.7	3003.7	2938.5	2913.0	2862.0	2774.2	2728.8
-40°	2539.0	2544.6	2541.8	2536.1	2510.6	2502.1	2459.6	2425.6	2405.8	2343.4	2295.3
-42.5°	2128.1	2136.6	2133.8	2130.9	2113.9	2111.1	2088.4	2048.7	2037.4	2000.6	1949.6
-45°	1816.4	1813.5	1807.9	1813.5	1805.0	1796.5	1782.4	1756.9	1742.7	1725.7	1683.2
-47.5°	1569.9	1572.7	1567.0	1567.0	1555.7	1547.2	1541.5	1524.5	1513.2	1499.0	1473.5
-50°	1365.8	1377.2	1374.3	1371.5	1363.0	1357.3	1357.3	1340.3	1323.3	1317.7	1300.7
-52.5°	1207.1	1215.6	1218.5	1224.1	1227.0	1229.8	1221.3	1204.3	1176.0	1173.1	1164.6
-55°	1062.6	1088.1	1105.1	1116.5	1127.8	1136.3	1119.3	1096.6	1068.3	1057.0	1054.1
-57.5°	963.4	989.0	1008.8	1025.8	1040.0	1054.1	1037.1	1014.5	989.0	974.8	971.9
-60°	872.8	895.4	915.3	937.9	957.8	980.5	971.9	954.9	940.8	929.4	918.1
-62.5°	776.4	799.1	821.8	850.1	875.6	898.3	901.1	898.3	895.4	898.3	878.4
-65°	697.1	708.4	722.6	753.8	782.1	807.6	821.8	830.3	844.4	858.6	838.8
-67.5°	612.1	626.2	643.2	665.9	688.6	705.6	725.4	748.1	770.8	793.4	779.3
-70°	535.6	546.9	561.1	572.4	586.6	597.9	614.9	640.4	665.9	688.6	682.9
-72.5°	456.2	467.6	476.1	481.7	490.2	495.9	504.4	527.1	544.1	555.4	555.4
-75°	376.9	388.2	396.7	399.5	405.2	408.0	413.7	422.2	430.7	433.6	436.4
-77.5°	289.0	300.4	308.9	314.5	320.2	325.9	328.7	334.4	337.2	337.2	340.0
-80°	215.4	223.9	229.5	238.0	240.9	246.5	252.2	255.0	257.9	257.9	260.7
-82.5°	153.0	158.7	164.4	170.0	175.7	178.5	184.2	187.0	189.9	192.7	195.5
-85°	102.0	107.7	113.3	119.0	121.8	124.7	127.5	130.3	133.2	136.0	138.8
-87.5°	59.5	62.3	65.2	70.8	73.7	79.3	82.2	79.3	82.2	82.2	82.2
-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: P722355
 CATALOG NUMBER: IFLD-M-SA4E-950-U-76

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°	110.5	110.5	110.5	110.5	107.7	102.0	99.2	93.5	87.8	82.2	76.5
85°	229.5	232.4	232.4	232.4	226.7	223.9	215.4	206.9	195.5	178.5	164.4
82.5°	382.5	385.4	385.4	382.5	376.9	368.4	357.0	342.9	320.2	297.5	277.7
80°	575.2	578.1	578.1	575.2	561.1	546.9	532.7	515.7	487.4	456.2	422.2
77.5°	804.8	810.4	810.4	801.9	782.1	765.1	742.4	714.1	671.6	626.2	580.9
75°	1071.1	1085.3	1088.1	1079.6	1054.1	1023.0	986.1	937.9	872.8	816.1	762.3
72.5°	1380.0	1394.2	1405.5	1394.2	1357.3	1314.8	1261.0	1204.3	1139.1	1062.6	971.9
70°	1785.2	1799.4	1807.9	1771.0	1705.9	1635.0	1569.9	1504.7	1428.2	1334.7	1235.5
67.5°	2295.3	2281.1	2264.1	2190.4	2108.3	2023.2	1932.6	1836.2	1737.0	1637.9	1521.7
65°	2785.5	2745.8	2709.0	2621.1	2516.3	2405.8	2300.9	2193.3	2074.2	1949.6	1839.1
62.5°	3301.2	3216.2	3125.5	3017.9	2910.2	2788.3	2683.5	2556.0	2422.8	2269.8	2128.1
60°	3808.5	3706.4	3615.8	3482.6	3340.9	3176.5	3063.2	2938.5	2782.7	2618.3	2451.1
57.5°	4298.7	4188.2	4089.0	3972.8	3819.8	3641.3	3516.6	3355.1	3190.7	2983.9	2813.8
55°	4820.1	4709.6	4630.2	4499.9	4332.7	4168.3	4032.3	3862.3	3632.8	3411.7	3202.0
52.5°	5418.0	5330.1	5245.1	5111.9	4910.8	4743.6	4593.4	4403.5	4162.7	3890.6	3638.4
50°	6086.7	6041.4	5950.7	5794.9	5565.3	5418.0	5219.6	4967.4	4709.6	4423.4	4108.8
47.5°	6973.7	6900.0	6772.5	6602.5	6409.8	6188.7	5922.4	5627.7	5262.1	4944.8	4610.4
45°	8033.5	7897.4	7733.1	7503.6	7265.5	7016.2	6724.3	6350.3	5860.0	5446.3	5094.9
42.5°	9181.1	8996.9	8773.0	8472.7	8163.8	7857.8	7543.2	7033.2	6421.1	5945.0	5548.3
40°	10379.7	10144.5	9864.0	9427.6	9084.7	8690.9	8331.0	7568.7	6917.0	6401.3	5979.0
37.5°	11552.9	11255.3	10785.0	10255.1	9855.5	9532.5	8741.9	7925.8	7342.0	6775.3	6347.4
35°	12451.1	12199.0	11368.7	10819.0	10476.1	9966.0	8977.1	8141.1	7523.4	7053.0	6387.1
32.5°	12983.9	12332.1	11603.9	11048.5	10765.1	9929.2	8994.1	8203.5	7608.4	7081.3	6285.1
30°	12864.9	12077.1	11439.5	10974.8	10359.9	9609.0	8835.4	8107.1	7529.1	6891.5	6171.7
27.5°	12147.9	11538.7	10969.1	10484.6	9881.0	9206.6	8492.5	7852.1	7313.7	6696.0	6015.9
25°	11337.5	10785.0	10362.7	9940.5	9368.1	8724.9	8095.8	7633.9	7092.7	6483.4	5811.9
22.5°	10592.3	10195.5	9864.0	9422.0	8863.7	8302.7	7911.6	7432.7	6877.3	6259.6	5602.2
20°	10116.2	9847.0	9467.3	8979.9	8540.7	8189.3	7755.8	7248.5	6676.1	6030.1	5423.6
17.5°	9886.7	9575.0	9152.8	8835.4	8498.2	8112.8	7628.2	7089.8	6480.6	5925.2	5443.5
15°	9767.7	9439.0	9161.3	8849.6	8469.8	8064.6	7526.2	6968.0	6480.6	5967.7	5457.6
12.5°	9793.2	9509.8	9206.6	8866.6	8458.5	8025.0	7537.6	7019.0	6514.6	5998.9	5460.5
10°	9872.5	9575.0	9251.9	8875.1	8464.2	8036.3	7568.7	7050.2	6531.6	6013.0	5454.8
7.5°	9900.8	9577.8	9232.1	8852.4	8450.0	8030.6	7574.4	7058.7	6534.4	6010.2	5437.8
5°	9813.0	9521.1	9186.8	8804.2	8410.3	8002.3	7551.7	7047.3	6511.8	5981.9	5395.3
2.5°	9694.0	9458.8	9138.6	8770.2	8370.7	7962.6	7514.9	6996.3	6460.8	5930.9	5341.5
0°	9674.2	9382.3	9059.2	8730.5	8305.5	7874.8	7429.9	6900.0	6367.3	5834.5	5248.0
-2.5°	9543.8	9234.9	8911.9	8554.9	8180.8	7747.3	7279.7	6761.1	6234.1	5709.8	5145.9
-5°	9444.6	9101.8	8758.9	8373.5	7996.6	7563.1	7078.5	6574.1	6058.4	5548.3	5004.3
-7.5°	9311.4	8960.1	8600.2	8197.8	7789.8	7347.7	6868.8	6364.4	5857.2	5350.0	4828.6
-10°	9042.2	8733.4	8396.2	7979.6	7548.9	7106.8	6630.8	6134.9	5627.7	5114.8	4590.5
-12.5°	8716.4	8390.5	8022.1	7639.6	7254.2	6843.3	6367.3	5879.9	5369.8	4854.1	4332.7
-15°	8294.2	7973.9	7597.1	7223.0	6851.8	6457.9	6038.6	5599.3	5080.8	4573.5	4052.1
-17.5°	7767.1	7466.7	7129.5	6772.5	6404.1	6007.4	5599.3	5228.1	4743.6	4267.5	3751.8
-20°	7200.4	6919.8	6616.6	6279.4	5911.0	5522.8	5137.4	4749.2	4329.8	3910.5	3431.6



REPORT NUMBER: P722355
 CATALOG NUMBER: IFLD-M-SA4E-950-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	6611.0	6327.6	6021.6	5707.0	5367.0	5007.1	4650.1	4278.8	3910.5	3530.8	3125.5
-25°	5930.9	5681.5	5401.0	5094.9	4791.7	4477.2	4137.2	3800.0	3485.4	3156.7	2825.2
-27.5°	5219.6	4990.1	4735.1	4468.7	4208.0	3944.5	3649.8	3338.1	3077.4	2805.3	2530.5
-30°	4471.5	4287.3	4080.5	3848.1	3646.9	3434.4	3187.9	2930.0	2692.0	2485.1	2264.1
-32.5°	3763.1	3607.3	3459.9	3306.9	3108.5	2944.2	2774.2	2584.3	2374.6	2179.1	2020.4
-35°	3153.9	2986.7	2924.3	2811.0	2669.3	2524.8	2400.1	2264.1	2105.4	1932.6	1802.2
-37.5°	2641.0	2541.8	2454.0	2391.6	2298.1	2181.9	2082.7	1983.6	1861.7	1731.4	1601.0
-40°	2241.4	2173.4	2077.1	2045.9	1986.4	1907.1	1805.0	1728.5	1646.4	1547.2	1436.7
-42.5°	1921.2	1870.2	1807.9	1754.0	1728.5	1671.9	1592.5	1518.8	1453.7	1385.7	1300.7
-45°	1657.7	1623.7	1584.0	1535.8	1516.0	1470.7	1414.0	1331.8	1295.0	1238.3	1176.0
-47.5°	1445.2	1428.2	1399.8	1368.7	1340.3	1306.3	1255.3	1204.3	1153.3	1116.5	1068.3
-50°	1278.0	1266.7	1249.6	1224.1	1187.3	1164.6	1130.6	1085.3	1037.1	1006.0	971.9
-52.5°	1144.8	1133.5	1122.1	1102.3	1074.0	1051.3	1023.0	986.1	946.4	915.3	886.9
-55°	1042.8	1025.8	1017.3	1000.3	977.6	952.1	926.6	901.1	867.1	838.8	810.4
-57.5°	963.4	940.8	929.4	915.3	892.6	867.1	847.3	821.8	799.1	767.9	742.4
-60°	901.1	875.6	852.9	838.8	818.9	793.4	773.6	753.8	731.1	705.6	674.4
-62.5°	850.1	818.9	787.8	770.8	750.9	728.3	708.4	688.6	665.9	640.4	612.1
-65°	801.9	765.1	725.4	708.4	688.6	665.9	640.4	626.2	606.4	583.7	555.4
-67.5°	742.4	702.8	668.7	648.9	629.1	609.2	586.6	572.4	552.6	524.2	495.9
-70°	654.6	629.1	606.4	589.4	572.4	555.4	532.7	510.1	487.4	461.9	436.4
-72.5°	544.1	535.6	532.7	524.2	504.4	484.6	461.9	439.2	419.4	399.5	379.7
-75°	439.2	444.9	450.6	447.7	427.9	408.0	388.2	368.4	354.2	337.2	320.2
-77.5°	348.5	354.2	359.9	359.9	345.7	334.4	320.2	306.0	294.7	280.5	263.5
-80°	269.2	277.7	286.2	291.9	280.5	272.0	260.7	249.4	238.0	226.7	215.4
-82.5°	204.0	212.5	221.0	226.7	218.2	212.5	204.0	195.5	187.0	175.7	167.2
-85°	147.4	153.0	158.7	161.5	155.9	150.2	144.5	138.8	133.2	124.7	119.0
-87.5°	85.0	87.8	90.7	93.5	87.8	82.2	79.3	73.7	70.8	65.2	62.3
-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: P722355
 CATALOG NUMBER: IFLD-M-SA4E-950-U-76

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°	70.8	65.2	59.5	56.7	51.0	42.5	36.8	31.2	25.5	19.8	17.0
85°	150.2	136.0	119.0	110.5	99.2	87.8	76.5	65.2	53.8	42.5	31.2
82.5°	257.9	240.9	223.9	204.0	178.5	147.4	116.2	96.3	79.3	62.3	48.2
80°	388.2	357.0	328.7	303.2	274.9	235.2	192.7	153.0	107.7	82.2	62.3
77.5°	538.4	501.6	461.9	419.4	374.0	320.2	272.0	221.0	167.2	113.3	79.3
75°	708.4	660.2	606.4	546.9	487.4	416.5	348.5	289.0	226.7	158.7	96.3
72.5°	898.3	838.8	773.6	694.2	600.7	518.6	436.4	357.0	283.4	201.2	130.3
70°	1142.0	1048.5	952.1	867.1	748.1	617.7	521.4	430.7	337.2	246.5	164.4
67.5°	1402.7	1289.3	1173.1	1048.5	898.3	745.3	606.4	504.4	393.9	289.0	195.5
65°	1686.0	1544.4	1397.0	1258.1	1051.3	869.9	714.1	575.2	447.7	328.7	226.7
62.5°	1977.9	1810.7	1640.7	1459.3	1221.3	997.5	816.1	654.6	498.7	365.5	255.0
60°	2289.6	2094.1	1887.2	1660.5	1382.8	1136.3	912.4	736.8	552.6	402.4	286.2
57.5°	2618.3	2405.8	2162.1	1856.1	1550.0	1269.5	1023.0	810.4	600.7	436.4	308.9
55°	2975.4	2731.7	2465.3	2060.1	1714.4	1402.7	1133.5	884.1	651.7	464.7	331.5
52.5°	3360.7	3077.4	2740.2	2275.4	1887.2	1538.7	1235.5	949.3	699.9	495.9	351.4
50°	3791.5	3434.4	2981.0	2473.8	2037.4	1666.2	1337.5	1020.1	739.6	529.9	368.4
47.5°	4239.2	3853.8	3196.4	2658.0	2190.4	1790.9	1442.3	1082.5	779.3	558.2	385.4
45°	4706.7	4145.7	3420.2	2822.3	2323.6	1904.2	1521.7	1139.1	827.4	583.7	399.5
42.5°	5168.6	4366.7	3615.8	2986.7	2448.3	2006.2	1586.9	1193.0	867.1	609.2	413.7
40°	5386.8	4533.9	3771.6	3100.0	2553.1	2096.9	1643.5	1241.1	901.1	626.2	427.9
37.5°	5477.5	4635.9	3873.6	3207.7	2635.3	2145.1	1691.7	1283.7	929.4	643.2	439.2
35°	5497.3	4672.7	3924.6	3281.4	2703.3	2190.4	1728.5	1314.8	952.1	660.2	450.6
32.5°	5460.5	4661.4	3938.8	3306.9	2745.8	2224.4	1754.0	1337.5	969.1	677.2	461.9
30°	5378.3	4601.9	3887.8	3304.1	2777.0	2244.3	1771.0	1354.5	986.1	688.6	467.6
27.5°	5245.1	4497.0	3822.6	3306.9	2794.0	2252.8	1779.5	1363.0	997.5	697.1	478.9
25°	5080.8	4355.4	3825.5	3301.2	2796.8	2255.6	1779.5	1363.0	1000.3	699.9	487.4
22.5°	4890.9	4355.4	3825.5	3292.7	2779.8	2249.9	1771.0	1357.3	1000.3	705.6	495.9
20°	4902.3	4358.2	3817.0	3275.7	2754.3	2232.9	1751.2	1343.2	991.8	714.1	501.6
17.5°	4910.8	4352.5	3800.0	3253.1	2720.3	2204.6	1725.7	1323.3	991.8	722.6	504.4
15°	4910.8	4335.5	3774.4	3219.0	2677.8	2164.9	1688.9	1306.3	994.6	725.4	510.1
12.5°	4902.3	4304.3	3734.8	3173.7	2626.8	2116.8	1666.2	1300.7	994.6	728.3	510.1
10°	4885.2	4261.8	3683.8	3117.0	2578.6	2099.7	1654.9	1289.3	989.0	728.3	510.1
7.5°	4854.1	4210.8	3641.3	3083.0	2550.3	2079.9	1637.9	1272.3	980.5	722.6	515.7
5°	4805.9	4182.5	3607.3	3043.4	2510.6	2065.7	1626.5	1258.1	974.8	722.6	510.1
2.5°	4743.6	4148.5	3567.6	2992.4	2465.3	2017.6	1589.7	1227.0	954.9	711.3	504.4
0°	4641.6	4080.5	3499.6	2921.5	2403.0	1969.4	1552.9	1195.8	935.1	699.9	498.7
-2.5°	4548.0	3989.8	3411.7	2847.8	2343.4	1926.9	1524.5	1178.8	926.6	697.1	495.9
-5°	4417.7	3865.1	3295.6	2751.5	2264.1	1884.4	1496.2	1159.0	918.1	691.4	495.9
-7.5°	4273.2	3734.8	3173.7	2652.3	2184.8	1810.7	1442.3	1127.8	898.3	680.1	493.1
-10°	4049.3	3539.3	3020.7	2539.0	2099.7	1745.5	1397.0	1099.5	881.3	668.7	481.7
-12.5°	3811.3	3323.9	2845.0	2400.1	2003.4	1677.5	1346.0	1068.3	861.4	657.4	476.1
-15°	3559.1	3102.9	2660.8	2255.6	1898.6	1595.4	1292.2	1034.3	841.6	643.2	467.6
-17.5°	3295.6	2870.5	2471.0	2108.3	1793.7	1510.3	1235.5	1003.1	818.9	629.1	459.1
-20°	3017.9	2632.5	2278.3	1958.1	1683.2	1425.3	1176.0	966.3	793.4	612.1	447.7



REPORT NUMBER: P722355
 CATALOG NUMBER: IFLD-M-SA4E-950-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	2743.0	2397.3	2079.9	1810.7	1569.9	1337.5	1116.5	929.4	765.1	592.2	439.2
-25°	2499.3	2176.3	1904.2	1669.0	1459.3	1252.5	1054.1	892.6	733.9	572.4	427.9
-27.5°	2261.3	1986.4	1731.4	1535.8	1351.7	1170.3	994.6	852.9	702.8	549.7	416.5
-30°	2040.2	1805.0	1595.4	1405.5	1249.6	1096.6	943.6	813.3	668.7	527.1	402.4
-32.5°	1839.1	1649.2	1473.5	1292.2	1153.3	1023.0	895.4	773.6	634.7	504.4	388.2
-35°	1652.0	1504.7	1351.7	1198.6	1057.0	954.9	844.4	731.1	603.6	478.9	374.0
-37.5°	1484.8	1365.8	1244.0	1113.6	991.8	889.8	796.3	688.6	572.4	456.2	359.9
-40°	1340.3	1244.0	1136.3	1031.5	929.4	833.1	748.1	646.1	541.2	439.2	345.7
-42.5°	1207.1	1133.5	1045.6	957.8	867.1	782.1	699.9	600.7	510.1	419.4	331.5
-45°	1105.1	1031.5	960.6	881.3	804.8	731.1	648.9	561.1	481.7	396.7	317.4
-47.5°	1008.8	943.6	878.4	813.3	750.9	682.9	600.7	527.1	450.6	376.9	306.0
-50°	923.8	861.4	804.8	748.1	694.2	629.1	552.6	493.1	425.1	357.0	291.9
-52.5°	844.4	790.6	733.9	688.6	643.2	578.1	515.7	459.1	399.5	334.4	277.7
-55°	773.6	722.6	671.6	629.1	586.6	529.9	478.9	430.7	374.0	317.4	263.5
-57.5°	705.6	663.1	614.9	575.2	532.7	487.4	444.9	399.5	348.5	300.4	249.4
-60°	643.2	603.6	561.1	521.4	484.6	447.7	408.0	371.2	325.9	280.5	235.2
-62.5°	580.9	546.9	510.1	470.4	442.1	408.0	376.9	340.0	303.2	263.5	209.7
-65°	524.2	493.1	459.1	425.1	399.5	374.0	345.7	311.7	280.5	243.7	187.0
-67.5°	467.6	439.2	410.9	382.5	359.9	340.0	311.7	286.2	260.7	221.0	164.4
-70°	413.7	391.0	365.5	342.9	325.9	303.2	283.4	260.7	238.0	192.7	138.8
-72.5°	362.7	340.0	320.2	303.2	289.0	269.2	252.2	235.2	204.0	161.5	116.2
-75°	303.2	289.0	277.7	263.5	249.4	235.2	221.0	201.2	170.0	130.3	90.7
-77.5°	249.4	240.9	232.4	221.0	209.7	198.4	181.4	161.5	136.0	102.0	73.7
-80°	204.0	195.5	189.9	178.5	170.0	158.7	141.7	124.7	99.2	79.3	59.5
-82.5°	155.9	150.2	144.5	138.8	130.3	119.0	102.0	87.8	73.7	59.5	45.3
-85°	110.5	107.7	102.0	96.3	87.8	79.3	68.0	59.5	51.0	39.7	31.2
-87.5°	56.7	53.8	51.0	48.2	45.3	39.7	34.0	28.3	25.5	19.8	14.2
-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: P722355
 CATALOG NUMBER: IFLD-M-SA4E-950-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	11.3	8.5	2.8	0.0
85°	22.7	14.2	5.7	0.0
82.5°	34.0	22.7	8.5	0.0
80°	45.3	28.3	14.2	0.0
77.5°	56.7	34.0	17.0	0.0
75°	68.0	42.5	19.8	0.0
72.5°	76.5	48.2	22.7	0.0
70°	90.7	56.7	25.5	0.0
67.5°	113.3	62.3	28.3	0.0
65°	133.2	68.0	31.2	0.0
62.5°	155.9	73.7	34.0	0.0
60°	175.7	79.3	36.8	0.0
57.5°	195.5	93.5	39.7	0.0
55°	212.5	104.8	42.5	0.0
52.5°	232.4	116.2	45.3	0.0
50°	249.4	127.5	48.2	0.0
47.5°	263.5	138.8	48.2	0.0
45°	274.9	147.4	51.0	0.0
42.5°	283.4	155.9	53.8	0.0
40°	291.9	164.4	56.7	0.0
37.5°	300.4	172.9	56.7	0.0
35°	308.9	181.4	59.5	0.0
32.5°	317.4	189.9	59.5	0.0
30°	323.0	195.5	62.3	0.0
27.5°	331.5	201.2	62.3	0.0
25°	334.4	206.9	65.2	0.0
22.5°	340.0	209.7	65.2	0.0
20°	345.7	215.4	65.2	0.0
17.5°	348.5	218.2	68.0	0.0
15°	348.5	221.0	70.8	0.0
12.5°	351.4	223.9	70.8	0.0
10°	351.4	229.5	68.0	0.0
7.5°	357.0	226.7	68.0	0.0
5°	354.2	226.7	68.0	0.0
2.5°	351.4	223.9	68.0	0.0
0°	348.5	223.9	68.0	0.0
-2.5°	348.5	223.9	68.0	0.0
-5°	348.5	223.9	68.0	0.0
-7.5°	345.7	226.7	68.0	0.0
-10°	340.0	226.7	68.0	0.0
-12.5°	337.2	218.2	68.0	0.0
-15°	334.4	215.4	68.0	0.0
-17.5°	328.7	212.5	65.2	0.0
-20°	323.0	209.7	65.2	0.0



REPORT NUMBER: P722355
 CATALOG NUMBER: IFLD-M-SA4E-950-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	317.4	204.0	65.2	0.0
-25°	311.7	198.4	62.3	0.0
-27.5°	306.0	192.7	62.3	0.0
-30°	297.5	187.0	59.5	0.0
-32.5°	289.0	181.4	59.5	0.0
-35°	283.4	172.9	56.7	0.0
-37.5°	274.9	164.4	56.7	0.0
-40°	266.4	155.9	53.8	0.0
-42.5°	257.9	147.4	51.0	0.0
-45°	246.5	138.8	51.0	0.0
-47.5°	238.0	130.3	48.2	0.0
-50°	223.9	119.0	45.3	0.0
-52.5°	206.9	107.7	42.5	0.0
-55°	189.9	99.2	39.7	0.0
-57.5°	172.9	87.8	39.7	0.0
-60°	155.9	76.5	36.8	0.0
-62.5°	138.8	70.8	34.0	0.0
-65°	121.8	65.2	31.2	0.0
-67.5°	102.0	56.7	28.3	0.0
-70°	85.0	51.0	25.5	0.0
-72.5°	73.7	45.3	22.7	0.0
-75°	62.3	39.7	19.8	0.0
-77.5°	53.8	34.0	17.0	0.0
-80°	42.5	25.5	11.3	0.0
-82.5°	31.2	19.8	8.5	0.0
-85°	19.8	14.2	5.7	0.0
-87.5°	11.3	5.7	2.8	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)