

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: P722006

Luminaire Tested: **IFLD-M-SA4D-727-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722006
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-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

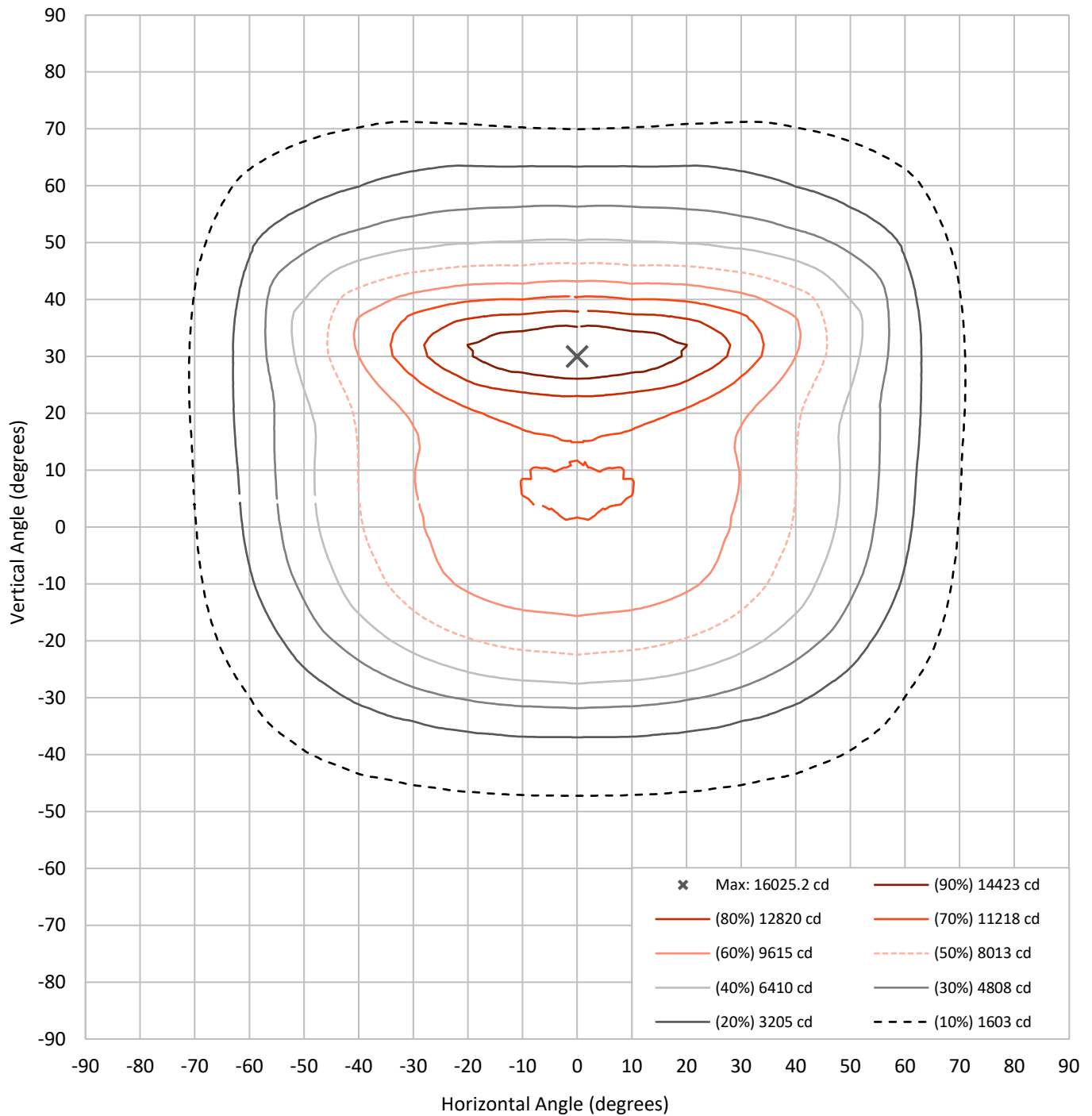
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	26750.1 lumens	Max Intensity:	16025.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	107.1 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	15555.5 lumens	Field Lumens:	25068.3 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 249.7
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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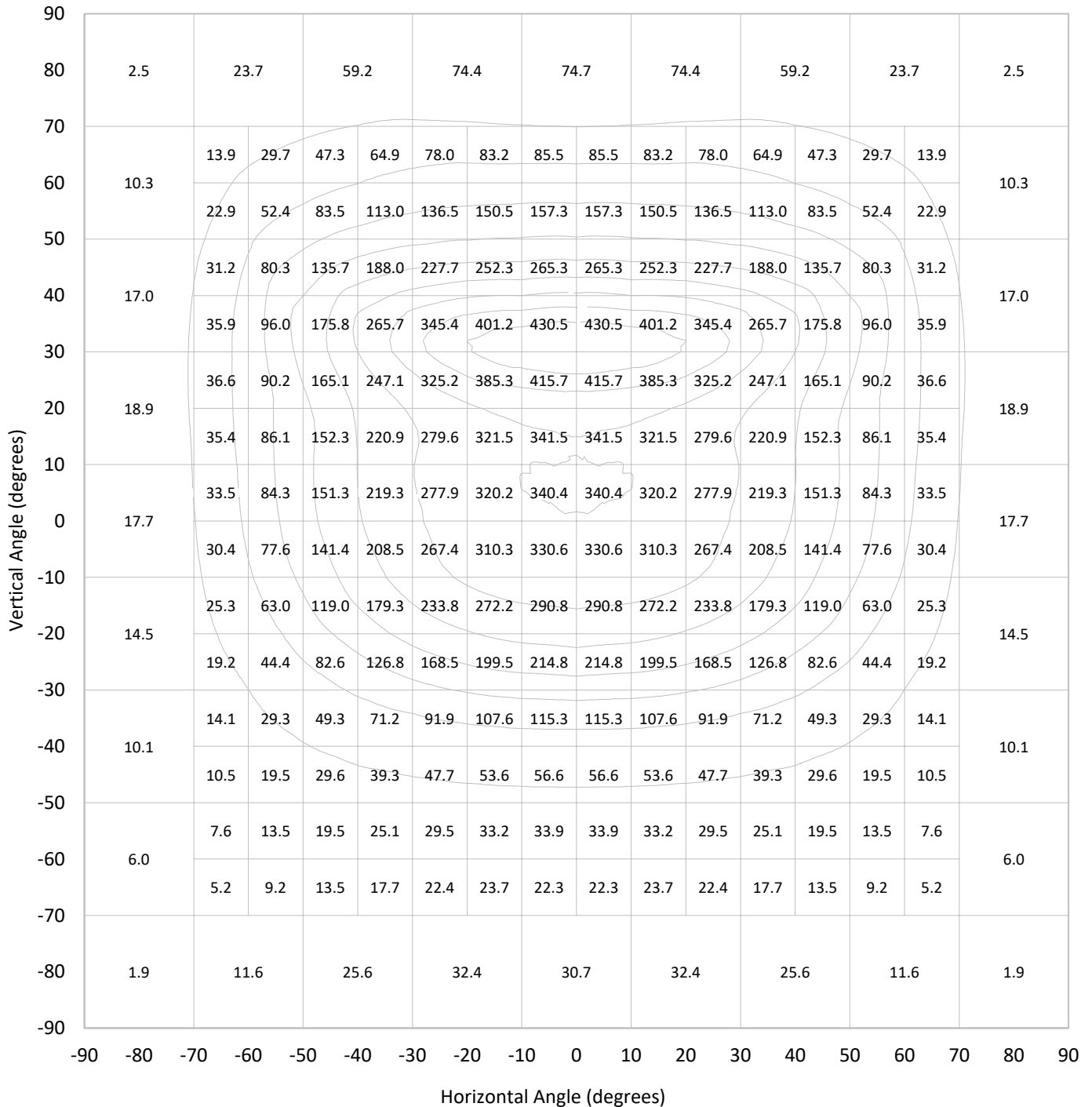
Iso-Candela Plot





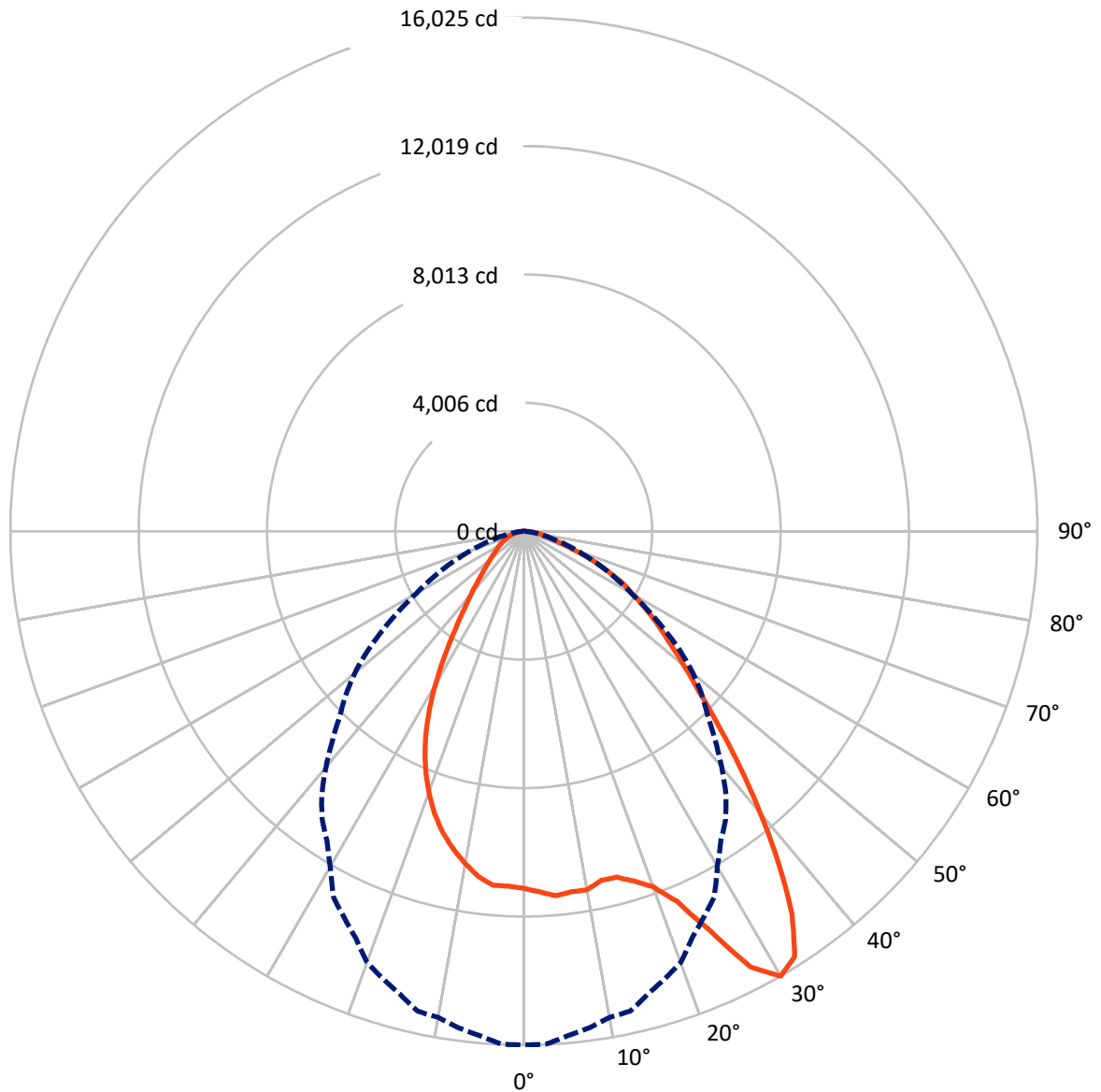
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Lumen Table



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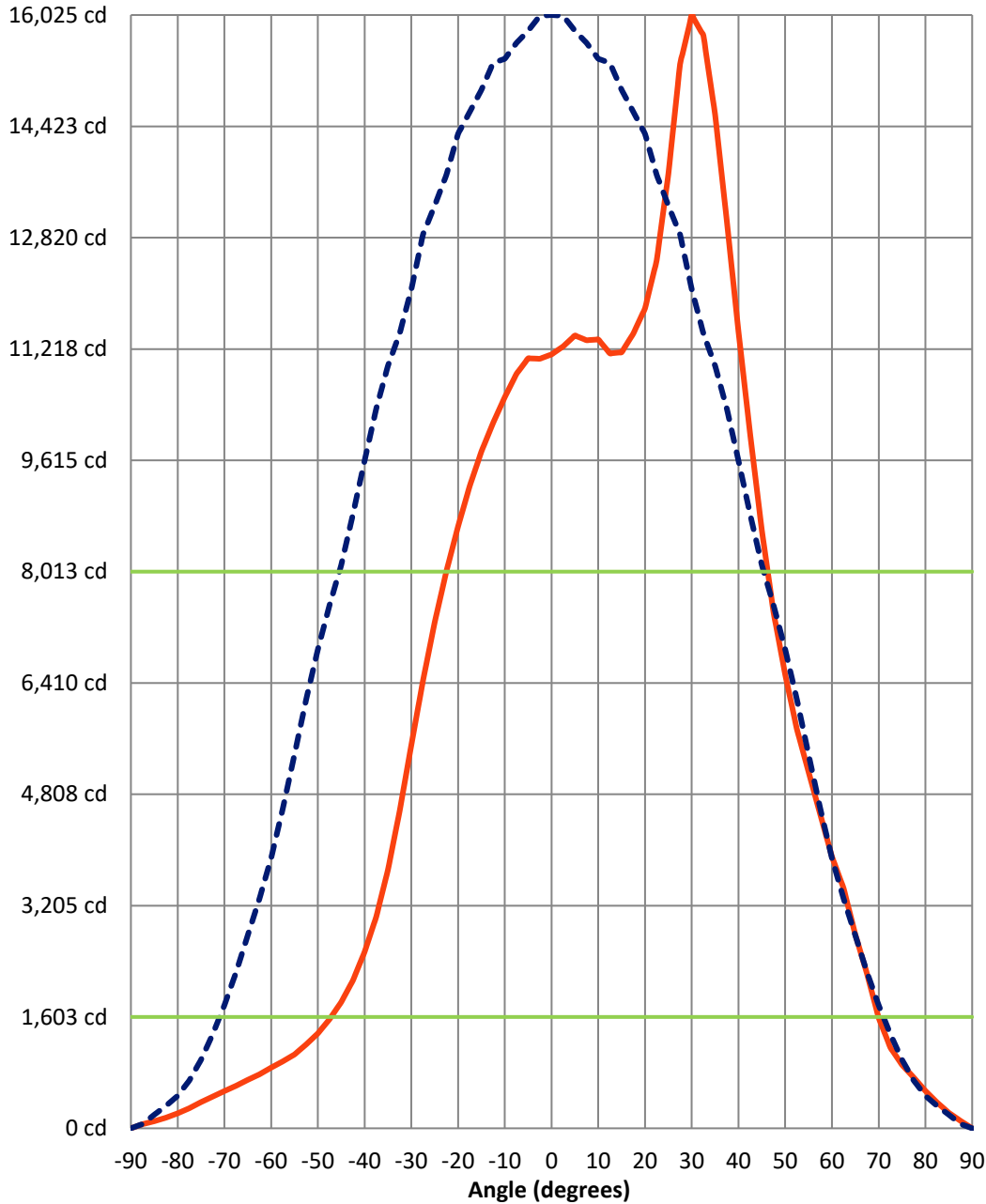
Luminous Intensity Polar Plot



— 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: 15555.5
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 25068.3
 Efficiency: 93.7%

Spill:
 Lumens: 1681.8
 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°	107.7	110.5	113.4	113.4	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	382.6	376.9	371.2	365.6	368.4	374.1	376.9	376.9
80°	538.4	541.3	544.1	549.8	541.3	541.3	538.4	549.8	555.4	561.1	566.8
77.5°	731.1	734.0	734.0	736.8	739.6	742.5	742.5	762.3	776.5	785.0	793.5
75°	912.5	921.0	929.5	938.0	949.3	955.0	963.5	991.8	1014.5	1031.5	1048.5
72.5°	1161.9	1173.2	1187.4	1207.2	1227.0	1241.2	1261.0	1295.1	1320.6	1337.6	1357.4
70°	1589.8	1601.1	1615.3	1629.4	1649.3	1663.4	1683.3	1725.8	1751.3	1762.6	1774.0
67.5°	2224.5	2252.9	2278.4	2250.0	2235.9	2216.0	2221.7	2261.4	2286.9	2303.9	2301.1
65°	2788.5	2808.3	2808.3	2805.5	2794.1	2768.6	2782.8	2831.0	2859.3	2873.5	2831.0
62.5°	3451.6	3451.6	3437.4	3460.1	3462.9	3445.9	3437.4	3440.2	3443.1	3451.6	3380.7
60°	3910.7	3939.0	3947.5	3967.3	3973.0	3973.0	3987.2	3998.5	3998.5	3981.5	3899.3
57.5°	4517.1	4570.9	4582.3	4568.1	4539.8	4502.9	4497.3	4480.3	4446.3	4412.2	4372.6
55°	5129.2	5157.5	5154.7	5146.2	5117.9	5075.4	5081.0	5058.4	5004.5	4962.0	4908.2
52.5°	5744.1	5812.2	5823.5	5806.5	5766.8	5721.5	5724.3	5698.8	5645.0	5599.6	5525.9
50°	6529.1	6585.8	6580.1	6551.8	6495.1	6461.1	6463.9	6415.8	6353.4	6339.2	6242.9
47.5°	7427.4	7492.6	7481.3	7441.6	7365.1	7350.9	7365.1	7302.7	7265.9	7234.7	7121.4
45°	8606.3	8682.8	8640.3	8563.8	8441.9	8456.1	8475.9	8464.6	8385.3	8303.1	8158.5
42.5°	9989.2	10037.4	9986.4	9909.8	9756.8	9785.2	9773.8	9705.8	9657.6	9521.6	9337.4
40°	11468.4	11573.3	11493.9	11374.9	11216.2	11258.7	11227.6	11139.7	11026.4	10856.3	10624.0
37.5°	13063.9	13146.1	13055.4	12916.5	12774.8	12760.7	12698.3	12562.3	12400.8	12213.7	11842.5
35°	14591.3	14803.8	14636.6	14415.6	14242.7	14177.6	14118.1	13803.5	13619.3	13316.1	12808.8
32.5°	15727.7	15883.5	15676.7	15447.1	15237.4	15146.7	14937.0	14563.0	14463.8	13826.2	13361.4
30°	16025.2	16013.9	15798.5	15622.8	15396.1	15333.8	14948.4	14631.0	14313.6	13724.2	13282.1
27.5°	15316.8	15245.9	15039.0	14886.0	14662.1	14588.5	14208.7	14038.7	13548.5	13049.7	12675.6
25°	13738.3	13775.2	13619.3	13542.8	13395.4	13236.7	13086.5	12857.0	12551.0	12114.5	11771.7
22.5°	12494.3	12542.5	12477.3	12386.6	12273.2	12185.4	12072.0	11893.5	11598.8	11329.6	11006.5
20°	11802.8	11788.7	11732.0	11664.0	11556.3	11493.9	11369.3	11219.1	10992.4	10760.0	10411.4
17.5°	11440.1	11352.3	11298.4	11272.9	11216.2	11136.9	10989.5	10836.5	10660.8	10397.3	10142.2
15°	11170.9	11185.1	11142.6	11122.7	11077.4	10966.9	10816.7	10692.0	10453.9	10320.7	10088.4
12.5°	11153.9	11139.7	11142.6	11134.1	11077.4	10935.7	10859.2	10700.5	10547.5	10371.8	10105.4
10°	11355.1	11204.9	11216.2	11255.9	11165.2	11051.9	10969.7	10796.8	10652.3	10428.4	10164.9
7.5°	11343.8	11267.2	11289.9	11224.7	11253.1	11114.2	11000.9	10828.0	10646.6	10408.6	10170.6
5°	11411.8	11295.6	11275.7	11281.4	11210.6	11105.7	10952.7	10788.3	10618.3	10351.9	10108.2
2.5°	11255.9	11272.9	11182.2	11148.2	11139.7	10964.0	10822.3	10663.6	10487.9	10252.7	10034.5
0°	11139.7	11170.9	11077.4	11029.2	11026.4	10876.2	10785.5	10604.1	10479.4	10283.9	10020.4
-2.5°	11077.4	11114.2	11125.5	11037.7	10952.7	10836.5	10683.5	10487.9	10283.9	10057.2	9830.5
-5°	11083.0	11009.4	10978.2	11006.5	10932.8	10816.7	10646.6	10473.8	10272.6	10028.9	9745.5
-7.5°	10859.2	10785.5	10779.8	10765.7	10748.7	10638.1	10496.4	10309.4	10105.4	9878.7	9615.1
-10°	10524.8	10470.9	10456.8	10442.6	10397.3	10332.1	10198.9	10028.9	9844.7	9618.0	9337.4
-12.5°	10153.6	10128.0	10074.2	10037.4	9992.0	9915.5	9788.0	9632.1	9447.9	9246.7	9005.9
-15°	9742.6	9694.5	9640.6	9609.5	9544.3	9453.6	9326.1	9181.6	8980.4	8782.0	8555.3
-17.5°	9246.7	9187.2	9127.7	9119.2	9073.9	8935.0	8816.0	8640.3	8464.6	8274.7	8053.7
-20°	8663.0	8580.8	8541.1	8518.4	8456.1	8354.1	8226.6	8065.0	7895.0	7713.6	7458.6



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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°	8016.9	7946.0	7878.0	7835.5	7781.7	7702.3	7580.4	7438.8	7271.6	7067.5	6832.3
-25°	7282.9	7183.7	7141.2	7093.0	7064.7	6991.0	6872.0	6741.6	6568.8	6370.4	6146.5
-27.5°	6444.1	6364.7	6342.1	6274.1	6240.1	6163.5	6064.4	5942.5	5783.8	5596.8	5412.6
-30°	5517.4	5469.3	5432.4	5364.4	5338.9	5256.7	5191.5	5089.5	4945.0	4811.8	4664.5
-32.5°	4565.3	4517.1	4505.8	4474.6	4457.6	4403.7	4330.1	4256.4	4140.2	4041.0	3922.0
-35°	3720.8	3686.8	3689.6	3686.8	3669.8	3630.1	3539.4	3519.6	3434.6	3343.9	3267.4
-37.5°	3046.3	3049.2	3046.3	3043.5	3020.8	3003.8	2938.7	2913.2	2862.2	2774.3	2729.0
-40°	2539.1	2544.8	2541.9	2536.3	2510.8	2502.3	2459.7	2425.7	2405.9	2343.6	2295.4
-42.5°	2128.2	2136.7	2133.9	2131.0	2114.0	2111.2	2088.5	2048.8	2037.5	2000.7	1949.7
-45°	1816.5	1813.6	1808.0	1813.6	1805.1	1796.6	1782.5	1757.0	1742.8	1725.8	1683.3
-47.5°	1569.9	1572.8	1567.1	1567.1	1555.8	1547.3	1541.6	1524.6	1513.3	1499.1	1473.6
-50°	1365.9	1377.2	1374.4	1371.6	1363.1	1357.4	1357.4	1340.4	1323.4	1317.7	1300.7
-52.5°	1207.2	1215.7	1218.5	1224.2	1227.0	1229.9	1221.4	1204.4	1176.0	1173.2	1164.7
-55°	1062.7	1088.2	1105.2	1116.5	1127.9	1136.4	1119.4	1096.7	1068.3	1057.0	1054.2
-57.5°	963.5	989.0	1008.8	1025.8	1040.0	1054.2	1037.2	1014.5	989.0	974.8	972.0
-60°	872.8	895.5	915.3	938.0	957.8	980.5	972.0	955.0	940.8	929.5	918.2
-62.5°	776.5	799.1	821.8	850.1	875.6	898.3	901.2	898.3	895.5	898.3	878.5
-65°	697.1	708.5	722.6	753.8	782.1	807.6	821.8	830.3	844.5	858.6	838.8
-67.5°	612.1	626.3	643.3	665.9	688.6	705.6	725.5	748.1	770.8	793.5	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	399.6	405.2	408.1	413.7	422.2	430.7	433.6	436.4
-77.5°	289.0	300.4	308.9	314.6	320.2	325.9	328.7	334.4	337.2	337.2	340.1
-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	113.4	119.0	121.9	124.7	127.5	130.4	133.2	136.0	138.9
-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



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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°	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°	382.6	385.4	385.4	382.6	376.9	368.4	357.1	342.9	320.2	297.6	277.7
80°	575.3	578.1	578.1	575.3	561.1	546.9	532.8	515.8	487.4	456.2	422.2
77.5°	804.8	810.5	810.5	802.0	782.1	765.1	742.5	714.1	671.6	626.3	580.9
75°	1071.2	1085.4	1088.2	1079.7	1054.2	1023.0	986.2	938.0	872.8	816.1	762.3
72.5°	1380.1	1394.2	1405.6	1394.2	1357.4	1314.9	1261.0	1204.4	1139.2	1062.7	972.0
70°	1785.3	1799.5	1808.0	1771.1	1706.0	1635.1	1569.9	1504.8	1428.2	1334.7	1235.5
67.5°	2295.4	2281.2	2264.2	2190.5	2108.4	2023.3	1932.7	1836.3	1737.1	1637.9	1521.8
65°	2785.6	2746.0	2709.1	2621.3	2516.4	2405.9	2301.1	2193.4	2074.4	1949.7	1839.1
62.5°	3301.4	3216.4	3125.7	3018.0	2910.3	2788.5	2683.6	2556.1	2422.9	2269.9	2128.2
60°	3808.6	3706.6	3615.9	3482.8	3341.1	3176.7	3063.4	2938.7	2782.8	2618.4	2451.2
57.5°	4298.9	4188.4	4089.2	3973.0	3820.0	3641.4	3516.8	3355.2	3190.9	2984.0	2814.0
55°	4820.3	4709.8	4630.5	4500.1	4332.9	4168.5	4032.5	3862.5	3632.9	3411.9	3202.2
52.5°	5418.3	5330.4	5245.4	5112.2	4911.0	4743.8	4593.6	4403.7	4162.9	3890.8	3638.6
50°	6087.0	6041.7	5951.0	5795.1	5565.6	5418.3	5219.9	4967.7	4709.8	4423.6	4109.0
47.5°	6974.0	6900.3	6772.8	6602.8	6410.1	6189.0	5922.7	5628.0	5262.4	4945.0	4610.6
45°	8033.9	7897.8	7733.5	7503.9	7265.9	7016.5	6724.6	6350.6	5860.3	5446.6	5095.2
42.5°	9181.6	8997.4	8773.5	8473.1	8164.2	7858.2	7543.6	7033.5	6421.4	5945.3	5548.6
40°	10380.3	10145.0	9864.5	9428.1	9085.2	8691.3	8331.4	7569.1	6917.3	6401.6	5979.3
37.5°	11553.5	11255.9	10785.5	10255.6	9856.0	9532.9	8742.3	7926.2	7342.4	6775.6	6347.7
35°	12451.8	12199.6	11369.3	10819.5	10476.6	9966.5	8977.5	8141.5	7523.8	7053.4	6387.4
32.5°	12984.5	12332.8	11604.5	11049.0	10765.7	9929.7	8994.5	8203.9	7608.8	7081.7	6285.4
30°	12865.5	12077.7	11440.1	10975.4	10360.4	9609.5	8835.8	8107.5	7529.4	6891.8	6172.0
27.5°	12148.6	11539.3	10969.7	10485.1	9881.5	9207.1	8492.9	7852.5	7314.1	6696.3	6016.2
25°	11338.1	10785.5	10363.3	9941.0	9368.6	8725.3	8096.2	7634.3	7093.0	6483.8	5812.2
22.5°	10592.8	10196.1	9864.5	9422.4	8864.2	8303.1	7912.0	7433.1	6877.7	6259.9	5602.4
20°	10116.7	9847.5	9467.8	8980.4	8541.1	8189.7	7756.1	7248.9	6676.5	6030.4	5423.9
17.5°	9887.2	9575.5	9153.2	8835.8	8498.6	8113.2	7628.6	7090.2	6480.9	5925.5	5443.8
15°	9768.2	9439.4	9161.7	8850.0	8470.3	8065.0	7526.6	6968.3	6480.9	5968.0	5457.9
12.5°	9793.7	9510.3	9207.1	8867.0	8458.9	8025.4	7537.9	7019.4	6514.9	5999.2	5460.8
10°	9873.0	9575.5	9252.4	8875.5	8464.6	8036.7	7569.1	7050.5	6531.9	6013.4	5455.1
7.5°	9901.3	9578.3	9232.6	8852.8	8450.4	8031.0	7574.8	7059.0	6534.8	6010.5	5438.1
5°	9813.5	9521.6	9187.2	8804.7	8410.8	8002.7	7552.1	7047.7	6512.1	5982.2	5395.6
2.5°	9694.5	9459.3	9139.0	8770.7	8371.1	7963.0	7515.3	6996.7	6461.1	5931.2	5341.7
0°	9674.6	9382.8	9059.7	8731.0	8305.9	7875.2	7430.3	6900.3	6367.6	5834.8	5248.2
-2.5°	9544.3	9235.4	8912.3	8555.3	8181.2	7747.6	7280.1	6761.5	6234.4	5710.1	5146.2
-5°	9445.1	9102.2	8759.3	8373.9	7997.0	7563.4	7078.9	6574.4	6058.7	5548.6	5004.5
-7.5°	9311.9	8960.5	8600.6	8198.2	7790.2	7348.1	6869.2	6364.7	5857.5	5350.2	4828.8
-10°	9042.7	8733.8	8396.6	7980.0	7549.3	7107.2	6631.1	6135.2	5628.0	5115.0	4590.8
-12.5°	8716.8	8390.9	8022.5	7640.0	7254.6	6843.7	6367.6	5880.2	5370.1	4854.3	4332.9
-15°	8294.6	7974.3	7597.5	7223.4	6852.2	6458.3	6038.9	5599.6	5081.0	4573.8	4052.4
-17.5°	7767.5	7467.1	7129.9	6772.8	6404.4	6007.7	5599.6	5228.4	4743.8	4267.7	3752.0
-20°	7200.7	6920.2	6617.0	6279.7	5911.3	5523.1	5137.7	4749.5	4330.1	3910.7	3431.7



REPORT NUMBER: P722006
 CATALOG NUMBER: IFLD-M-SA4D-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°	6611.3	6327.9	6021.9	5707.3	5367.2	5007.3	4650.3	4279.1	3910.7	3530.9	3125.7
-25°	5931.2	5681.8	5401.2	5095.2	4792.0	4477.4	4137.4	3800.1	3485.6	3156.9	2825.3
-27.5°	5219.9	4990.3	4735.3	4468.9	4208.2	3944.7	3650.0	3338.2	3077.5	2805.5	2530.6
-30°	4471.8	4287.6	4080.7	3848.3	3647.1	3434.6	3188.0	2930.2	2692.1	2485.3	2264.2
-32.5°	3763.3	3607.4	3460.1	3307.1	3108.7	2944.3	2774.3	2584.4	2374.7	2179.2	2020.5
-35°	3154.0	2986.8	2924.5	2811.1	2669.5	2524.9	2400.2	2264.2	2105.5	1932.7	1802.3
-37.5°	2641.1	2541.9	2454.1	2391.7	2298.2	2182.0	2082.9	1983.7	1861.8	1731.5	1601.1
-40°	2241.5	2173.5	2077.2	2046.0	1986.5	1907.2	1805.1	1728.6	1646.4	1547.3	1436.7
-42.5°	1921.3	1870.3	1808.0	1754.1	1728.6	1671.9	1592.6	1518.9	1453.7	1385.7	1300.7
-45°	1657.8	1623.8	1584.1	1535.9	1516.1	1470.7	1414.1	1331.9	1295.1	1238.4	1176.0
-47.5°	1445.2	1428.2	1399.9	1368.7	1340.4	1306.4	1255.4	1204.4	1153.4	1116.5	1068.3
-50°	1278.0	1266.7	1249.7	1224.2	1187.4	1164.7	1130.7	1085.4	1037.2	1006.0	972.0
-52.5°	1144.9	1133.5	1122.2	1102.4	1074.0	1051.3	1023.0	986.2	946.5	915.3	887.0
-55°	1042.8	1025.8	1017.3	1000.3	977.7	952.2	926.7	901.2	867.1	838.8	810.5
-57.5°	963.5	940.8	929.5	915.3	892.7	867.1	847.3	821.8	799.1	768.0	742.5
-60°	901.2	875.6	853.0	838.8	819.0	793.5	773.6	753.8	731.1	705.6	674.4
-62.5°	850.1	819.0	787.8	770.8	751.0	728.3	708.5	688.6	665.9	640.4	612.1
-65°	802.0	765.1	725.5	708.5	688.6	665.9	640.4	626.3	606.4	583.8	555.4
-67.5°	742.5	702.8	668.8	648.9	629.1	609.3	586.6	572.4	552.6	524.3	495.9
-70°	654.6	629.1	606.4	589.4	572.4	555.4	532.8	510.1	487.4	461.9	436.4
-72.5°	544.1	535.6	532.8	524.3	504.4	484.6	461.9	439.2	419.4	399.6	379.7
-75°	439.2	444.9	450.6	447.7	427.9	408.1	388.2	368.4	354.2	337.2	320.2
-77.5°	348.6	354.2	359.9	359.9	345.7	334.4	320.2	306.1	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	138.9	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



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 CATALOG NUMBER: IFLD-M-SA4D-727-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	357.1	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	374.1	320.2	272.0	221.0	167.2	113.4	79.3
75°	708.5	660.3	606.4	546.9	487.4	416.6	348.6	289.0	226.7	158.7	96.3
72.5°	898.3	838.8	773.6	694.3	600.8	518.6	436.4	357.1	283.4	201.2	130.4
70°	1142.0	1048.5	952.2	867.1	748.1	617.8	521.4	430.7	337.2	246.5	164.4
67.5°	1402.7	1289.4	1173.2	1048.5	898.3	745.3	606.4	504.4	393.9	289.0	195.5
65°	1686.1	1544.4	1397.1	1258.2	1051.3	870.0	714.1	575.3	447.7	328.7	226.7
62.5°	1978.0	1810.8	1640.8	1459.4	1221.4	997.5	816.1	654.6	498.8	365.6	255.0
60°	2289.7	2094.2	1887.3	1660.6	1382.9	1136.4	912.5	736.8	552.6	402.4	286.2
57.5°	2618.4	2405.9	2162.2	1856.1	1550.1	1269.5	1023.0	810.5	600.8	436.4	308.9
55°	2975.5	2731.8	2465.4	2060.2	1714.5	1402.7	1133.5	884.1	651.8	464.7	331.6
52.5°	3360.9	3077.5	2740.3	2275.6	1887.3	1538.8	1235.5	949.3	700.0	495.9	351.4
50°	3791.6	3434.6	2981.2	2473.9	2037.5	1666.3	1337.6	1020.2	739.6	529.9	368.4
47.5°	4239.4	3854.0	3196.5	2658.1	2190.5	1791.0	1442.4	1082.5	779.3	558.3	385.4
45°	4707.0	4145.9	3420.4	2822.5	2323.7	1904.3	1521.8	1139.2	827.5	583.8	399.6
42.5°	5168.9	4366.9	3615.9	2986.8	2448.4	2006.3	1586.9	1193.0	867.1	609.3	413.7
40°	5387.1	4534.1	3771.8	3100.2	2553.3	2097.0	1643.6	1241.2	901.2	626.3	427.9
37.5°	5477.8	4636.1	3873.8	3207.9	2635.4	2145.2	1691.8	1283.7	929.5	643.3	439.2
35°	5497.6	4673.0	3924.8	3281.6	2703.5	2190.5	1728.6	1314.9	952.2	660.3	450.6
32.5°	5460.8	4661.6	3939.0	3307.1	2746.0	2224.5	1754.1	1337.6	969.2	677.3	461.9
30°	5378.6	4602.1	3888.0	3304.2	2777.1	2244.4	1771.1	1354.6	986.2	688.6	467.6
27.5°	5245.4	4497.3	3822.8	3307.1	2794.1	2252.9	1779.6	1363.1	997.5	697.1	478.9
25°	5081.0	4355.6	3825.6	3301.4	2797.0	2255.7	1779.6	1363.1	1000.3	700.0	487.4
22.5°	4891.2	4355.6	3825.6	3292.9	2780.0	2250.0	1771.1	1357.4	1000.3	705.6	495.9
20°	4902.5	4358.4	3817.1	3275.9	2754.5	2233.0	1751.3	1343.2	991.8	714.1	501.6
17.5°	4911.0	4352.7	3800.1	3253.2	2720.5	2204.7	1725.8	1323.4	991.8	722.6	504.4
15°	4911.0	4335.7	3774.6	3219.2	2678.0	2165.0	1689.0	1306.4	994.7	725.5	510.1
12.5°	4902.5	4304.6	3735.0	3173.9	2626.9	2116.9	1666.3	1300.7	994.7	728.3	510.1
10°	4885.5	4262.1	3684.0	3117.2	2578.8	2099.9	1654.9	1289.4	989.0	728.3	510.1
7.5°	4854.3	4211.0	3641.4	3083.2	2550.4	2080.0	1637.9	1272.4	980.5	722.6	515.8
5°	4806.1	4182.7	3607.4	3043.5	2510.8	2065.8	1626.6	1258.2	974.8	722.6	510.1
2.5°	4743.8	4148.7	3567.8	2992.5	2465.4	2017.7	1589.8	1227.0	955.0	711.3	504.4
0°	4641.8	4080.7	3499.8	2921.7	2403.1	1969.5	1552.9	1195.9	935.2	700.0	498.8
-2.5°	4548.3	3990.0	3411.9	2848.0	2343.6	1927.0	1524.6	1178.9	926.7	697.1	495.9
-5°	4417.9	3865.3	3295.7	2751.6	2264.2	1884.5	1496.3	1159.0	918.2	691.5	495.9
-7.5°	4273.4	3735.0	3173.9	2652.4	2184.9	1810.8	1442.4	1127.9	898.3	680.1	493.1
-10°	4049.5	3539.4	3020.8	2539.1	2099.9	1745.6	1397.1	1099.5	881.3	668.8	481.7
-12.5°	3811.5	3324.1	2845.1	2400.2	2003.5	1677.6	1346.1	1068.3	861.5	657.4	476.1
-15°	3559.3	3103.0	2661.0	2255.7	1898.7	1595.4	1292.2	1034.3	841.6	643.3	467.6
-17.5°	3295.7	2870.7	2471.1	2108.4	1793.8	1510.4	1235.5	1003.2	819.0	629.1	459.1
-20°	3018.0	2632.6	2278.4	1958.2	1683.3	1425.4	1176.0	966.3	793.5	612.1	447.7



REPORT NUMBER: P722006
 CATALOG NUMBER: IFLD-M-SA4D-727-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	2743.1	2397.4	2080.0	1810.8	1569.9	1337.6	1116.5	929.5	765.1	592.3	439.2
-25°	2499.4	2176.4	1904.3	1669.1	1459.4	1252.5	1054.2	892.7	734.0	572.4	427.9
-27.5°	2261.4	1986.5	1731.5	1535.9	1351.7	1170.4	994.7	853.0	702.8	549.8	416.6
-30°	2040.3	1805.1	1595.4	1405.6	1249.7	1096.7	943.7	813.3	668.8	527.1	402.4
-32.5°	1839.1	1649.3	1473.6	1292.2	1153.4	1023.0	895.5	773.6	634.8	504.4	388.2
-35°	1652.1	1504.8	1351.7	1198.7	1057.0	955.0	844.5	731.1	603.6	478.9	374.1
-37.5°	1484.9	1365.9	1244.0	1113.7	991.8	889.8	796.3	688.6	572.4	456.2	359.9
-40°	1340.4	1244.0	1136.4	1031.5	929.5	833.1	748.1	646.1	541.3	439.2	345.7
-42.5°	1207.2	1133.5	1045.7	957.8	867.1	782.1	700.0	600.8	510.1	419.4	331.6
-45°	1105.2	1031.5	960.7	881.3	804.8	731.1	648.9	561.1	481.7	396.7	317.4
-47.5°	1008.8	943.7	878.5	813.3	751.0	682.9	600.8	527.1	450.6	376.9	306.1
-50°	923.8	861.5	804.8	748.1	694.3	629.1	552.6	493.1	425.1	357.1	291.9
-52.5°	844.5	790.6	734.0	688.6	643.3	578.1	515.8	459.1	399.6	334.4	277.7
-55°	773.6	722.6	671.6	629.1	586.6	529.9	478.9	430.7	374.1	317.4	263.5
-57.5°	705.6	663.1	614.9	575.3	532.8	487.4	444.9	399.6	348.6	300.4	249.4
-60°	643.3	603.6	561.1	521.4	484.6	447.7	408.1	371.2	325.9	280.5	235.2
-62.5°	580.9	546.9	510.1	470.4	442.1	408.1	376.9	340.1	303.2	263.5	209.7
-65°	524.3	493.1	459.1	425.1	399.6	374.1	345.7	311.7	280.5	243.7	187.0
-67.5°	467.6	439.2	410.9	382.6	359.9	340.1	311.7	286.2	260.7	221.0	164.4
-70°	413.7	391.1	365.6	342.9	325.9	303.2	283.4	260.7	238.0	192.7	138.9
-72.5°	362.7	340.1	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	130.4	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	138.9	130.4	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: P722006
 CATALOG NUMBER: IFLD-M-SA4D-727-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°	113.4	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	104.9	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	138.9	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°	323.1	195.5	62.3	0.0
27.5°	331.6	201.2	62.3	0.0
25°	334.4	206.9	65.2	0.0
22.5°	340.1	209.7	65.2	0.0
20°	345.7	215.4	65.2	0.0
17.5°	348.6	218.2	68.0	0.0
15°	348.6	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°	357.1	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°	348.6	223.9	68.0	0.0
-2.5°	348.6	223.9	68.0	0.0
-5°	348.6	223.9	68.0	0.0
-7.5°	345.7	226.7	68.0	0.0
-10°	340.1	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°	323.1	209.7	65.2	0.0



REPORT NUMBER: P722006
 CATALOG NUMBER: IFLD-M-SA4D-727-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°	306.1	192.7	62.3	0.0
-30°	297.6	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	138.9	51.0	0.0
-47.5°	238.0	130.4	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°	138.9	70.8	34.0	0.0
-65°	121.9	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)