

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: P722203

Luminaire Tested: **IFLD-S-SA6C-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722203
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (96) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

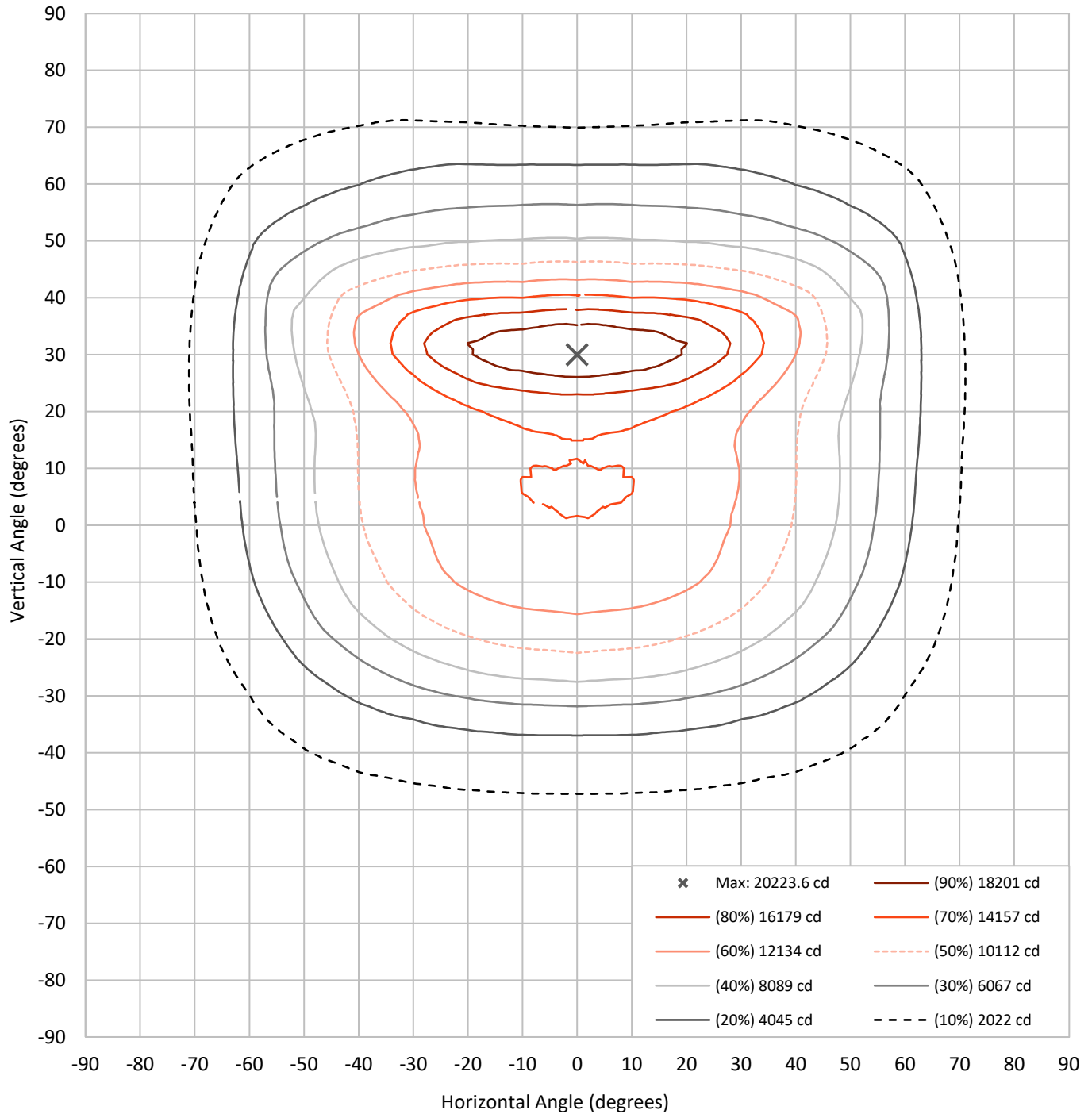
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	33758.3 lumens	Max Intensity:	20223.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	105.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	19630.9 lumens	Field Lumens:	31635.9 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 321.5
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: P722203
CATALOG NUMBER: IFLD-S-SA6C-830-U-76

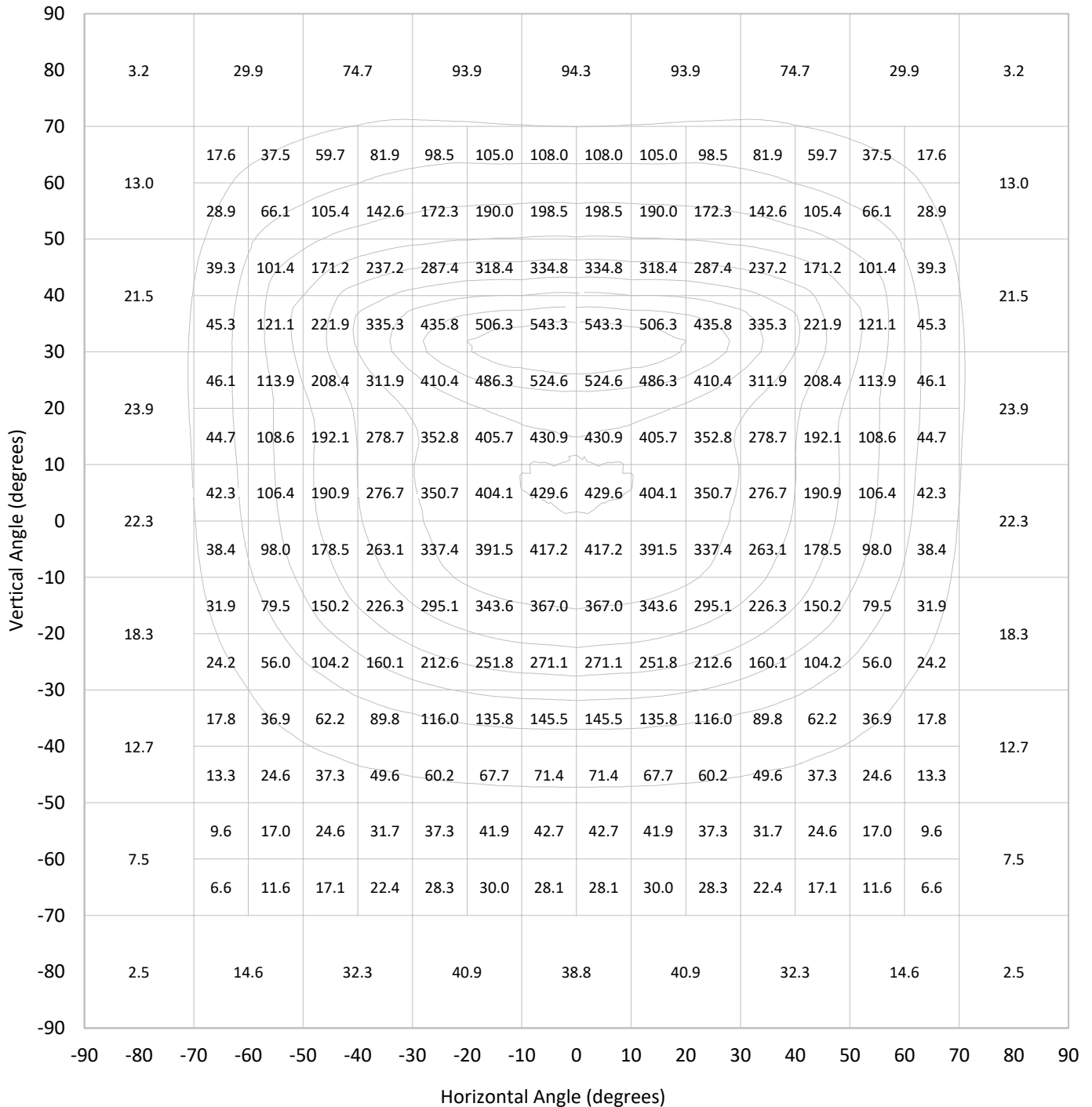
Iso-Candela Plot





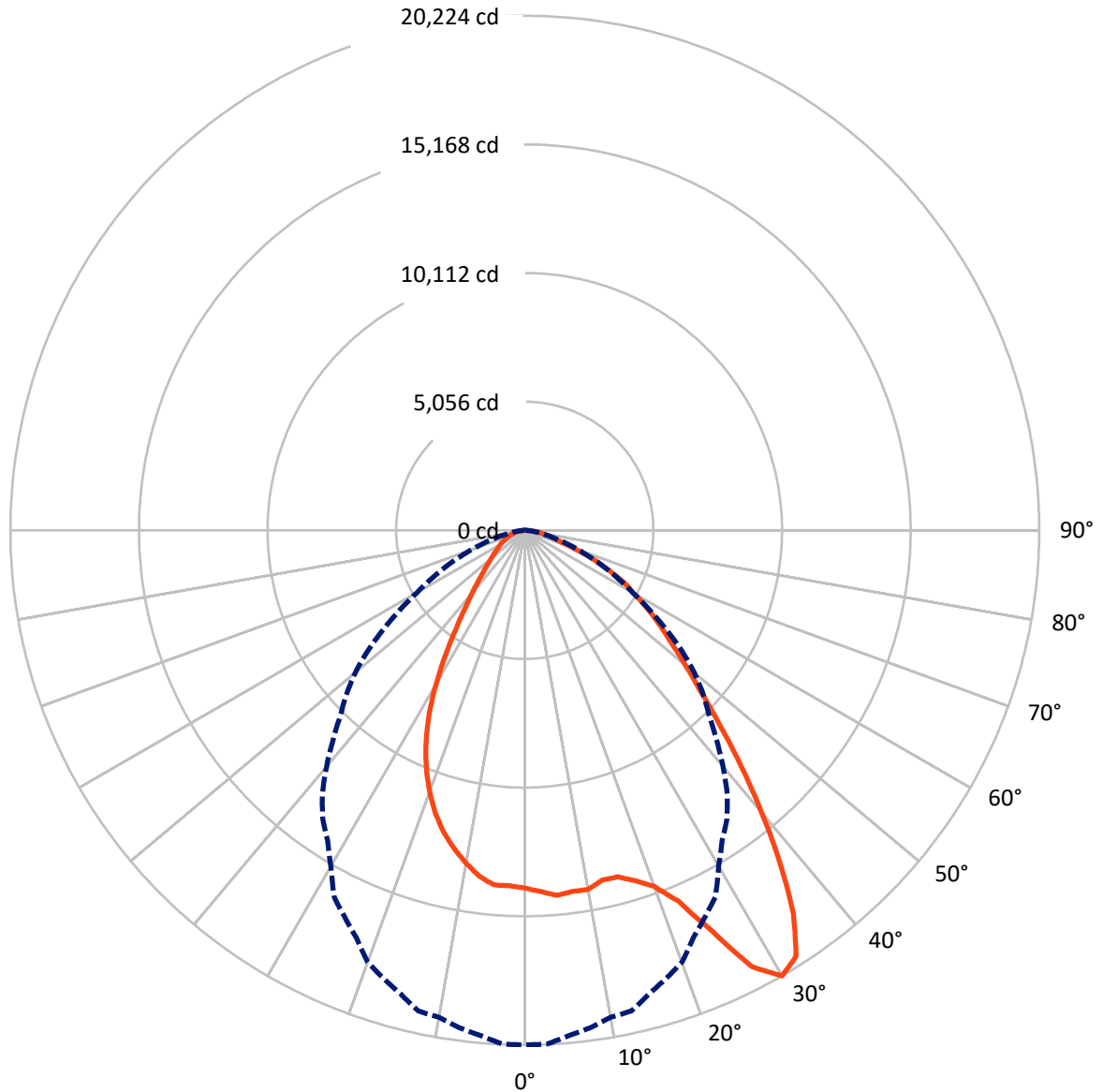
REPORT NUMBER: P722203
 CATALOG NUMBER: IFLD-S-SA6C-830-U-76

Lumen Table



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CATALOG NUMBER: IFLD-S-SA6C-830-U-76

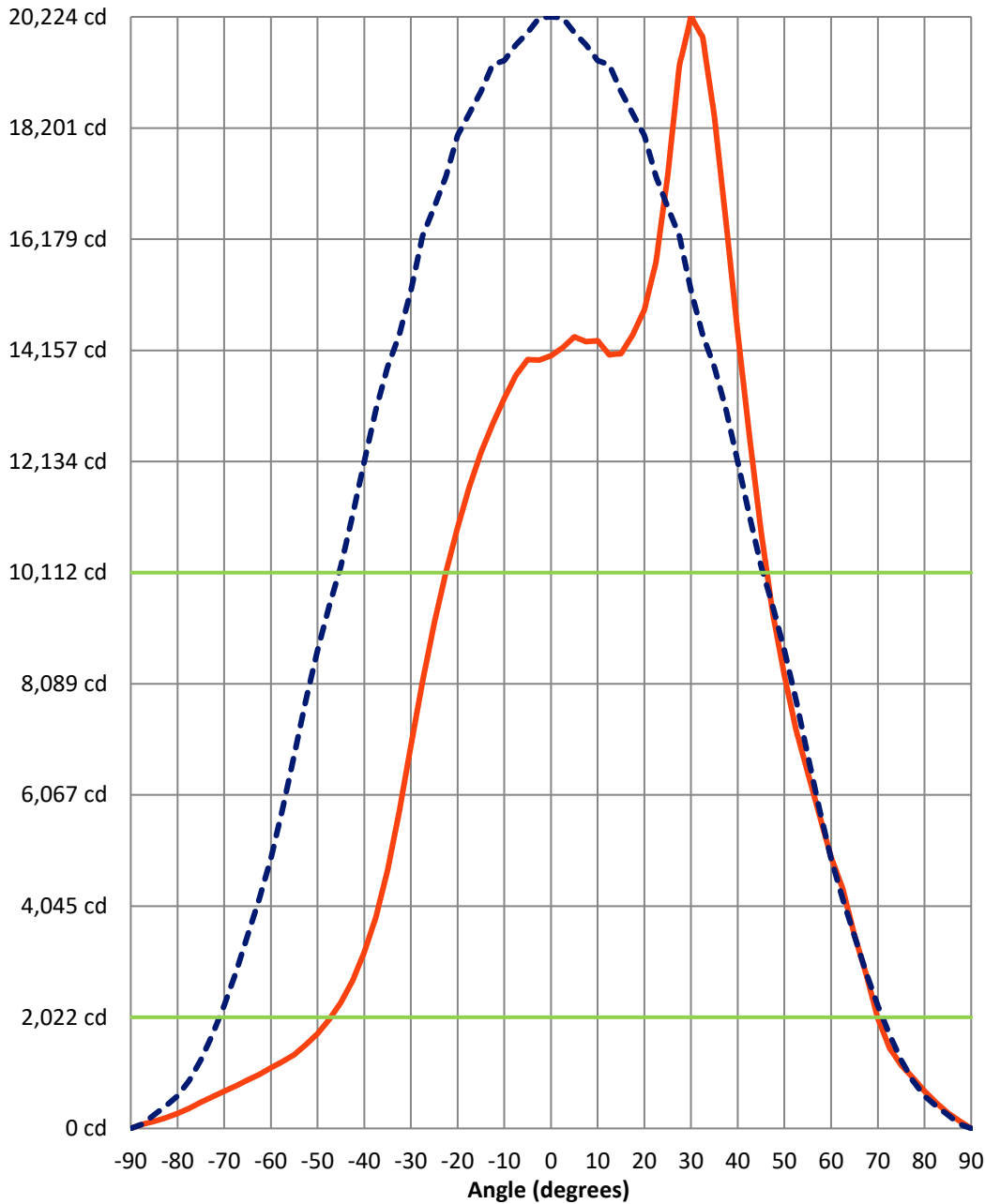
Luminous Intensity Polar Plot



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

REPORT NUMBER: P722203
 CATALOG NUMBER: IFLD-S-SA6C-830-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 19630.9
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 31635.9
 Efficiency: 93.7%

Spill:
 Lumens: 2122.4
 Efficiency: 6.3%

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



REPORT NUMBER: P722203
 CATALOG NUMBER: IFLD-S-SA6C-830-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°	135.9	139.5	143.0	143.0	139.5	139.5	139.5	135.9	139.5	139.5	139.5
85°	282.5	289.7	296.8	293.3	289.7	282.5	275.4	278.9	282.5	286.1	286.1
82.5°	468.5	479.2	486.4	482.8	475.6	468.5	461.3	464.9	472.1	475.6	475.6
80°	679.5	683.1	686.6	693.8	683.1	683.1	679.5	693.8	700.9	708.1	715.2
77.5°	922.7	926.2	926.2	929.8	933.4	937.0	937.0	962.0	979.9	990.6	1001.3
75°	1151.5	1162.3	1173.0	1183.7	1198.0	1205.2	1215.9	1251.7	1280.3	1301.8	1323.2
72.5°	1466.3	1480.6	1498.4	1523.5	1548.5	1566.4	1591.4	1634.3	1666.5	1688.0	1713.0
70°	2006.3	2020.6	2038.5	2056.3	2081.4	2099.3	2124.3	2177.9	2210.1	2224.4	2238.7
67.5°	2807.3	2843.1	2875.3	2839.5	2821.7	2796.6	2803.8	2853.8	2886.0	2907.5	2903.9
65°	3519.0	3544.1	3544.1	3540.5	3526.2	3494.0	3511.9	3572.7	3608.4	3626.3	3572.7
62.5°	4355.9	4355.9	4338.0	4366.6	4370.2	4348.7	4338.0	4341.6	4345.1	4355.9	4266.5
60°	4935.2	4971.0	4981.7	5006.7	5013.9	5013.9	5031.8	5046.1	5046.1	5024.6	4920.9
57.5°	5700.5	5768.5	5782.8	5764.9	5729.1	5682.6	5675.5	5654.0	5611.1	5568.2	5518.1
55°	6473.0	6508.8	6505.2	6494.4	6458.7	6405.0	6412.2	6383.6	6315.6	6262.0	6194.0
52.5°	7249.0	7334.9	7349.2	7327.7	7277.6	7220.4	7224.0	7191.8	7123.9	7066.6	6973.7
50°	8239.7	8311.2	8304.0	8268.3	8196.7	8153.8	8157.4	8096.6	8017.9	8000.0	7878.5
47.5°	9373.3	9455.6	9441.3	9391.2	9294.6	9276.8	9294.6	9216.0	9169.5	9130.1	8987.1
45°	10861.0	10957.6	10903.9	10807.4	10653.6	10671.5	10696.5	10682.2	10582.1	10478.4	10296.0
42.5°	12606.2	12667.0	12602.7	12506.1	12313.0	12348.7	12334.4	12248.6	12187.8	12016.2	11783.7
40°	14473.0	14605.4	14505.2	14355.0	14154.7	14208.4	14169.1	14058.2	13915.1	13700.6	13407.3
37.5°	16486.5	16590.2	16475.7	16300.5	16121.7	16103.8	16025.1	15853.5	15649.6	15413.6	14945.1
35°	18414.0	18682.3	18471.3	18192.3	17974.2	17891.9	17816.8	17419.9	17187.4	16804.7	16164.6
32.5°	19848.1	20044.8	19783.7	19494.1	19229.4	19115.0	18850.3	18378.3	18253.1	17448.5	16862.0
30°	20223.6	20209.3	19937.5	19715.8	19429.7	19351.0	18864.7	18464.1	18063.6	17319.7	16761.8
27.5°	19329.6	19240.2	18979.1	18786.0	18503.5	18410.5	17931.3	17716.7	17098.0	16468.6	15996.5
25°	17337.6	17384.1	17187.4	17090.8	16904.9	16704.6	16515.1	16225.4	15839.2	15288.4	14855.7
22.5°	15767.6	15828.4	15746.2	15631.7	15488.7	15377.8	15234.8	15009.5	14637.5	14297.8	13890.1
20°	14895.0	14877.1	14805.6	14719.8	14583.9	14505.2	14347.9	14158.3	13872.2	13579.0	13139.1
17.5°	14437.3	14326.4	14258.5	14226.3	14154.7	14054.6	13868.7	13675.5	13453.8	13121.2	12799.4
15°	14097.5	14115.4	14061.8	14036.7	13979.5	13840.0	13650.5	13493.1	13192.7	13024.7	12731.4
12.5°	14076.1	14058.2	14061.8	14051.0	13979.5	13800.7	13704.1	13503.9	13310.8	13089.0	12752.9
10°	14330.0	14140.4	14154.7	14204.8	14090.4	13947.3	13843.6	13625.5	13443.1	13160.6	12828.0
7.5°	14315.7	14219.1	14247.7	14165.5	14201.2	14026.0	13883.0	13664.8	13435.9	13135.5	12835.1
5°	14401.5	14254.9	14229.9	14237.0	14147.6	14015.3	13822.2	13614.7	13400.2	13064.0	12756.4
2.5°	14204.8	14226.3	14111.8	14068.9	14058.2	13836.5	13657.7	13457.4	13235.7	12938.8	12663.5
0°	14058.2	14097.5	13979.5	13918.7	13915.1	13725.6	13611.2	13382.3	13224.9	12978.2	12645.6
-2.5°	13979.5	14026.0	14040.3	13929.4	13822.2	13675.5	13482.4	13235.7	12978.2	12692.1	12406.0
-5°	13986.7	13893.7	13854.3	13890.1	13797.1	13650.5	13435.9	13217.8	12963.9	12656.3	12298.7
-7.5°	13704.1	13611.2	13604.0	13586.1	13564.7	13425.2	13246.4	13010.4	12752.9	12466.8	12134.2
-10°	13282.1	13214.2	13196.3	13178.4	13121.2	13039.0	12870.9	12656.3	12423.9	12137.8	11783.7
-12.5°	12813.7	12781.5	12713.5	12667.0	12609.8	12513.3	12352.3	12155.6	11923.2	11669.3	11365.3
-15°	12295.1	12234.3	12166.4	12127.0	12044.8	11930.3	11769.4	11587.0	11333.1	11082.8	10796.7
-17.5°	11669.3	11594.2	11519.1	11508.3	11451.1	11275.9	11125.7	10903.9	10682.2	10442.6	10163.7
-20°	10932.6	10828.8	10778.8	10750.2	10671.5	10542.7	10381.8	10178.0	9963.4	9734.5	9412.7



REPORT NUMBER: P722203
 CATALOG NUMBER: IFLD-S-SA6C-830-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	10117.2	10027.8	9941.9	9888.3	9820.3	9720.2	9566.4	9387.6	9176.6	8919.1	8622.3
-25°	9190.9	9065.8	9012.1	8951.3	8915.6	8822.6	8672.4	8507.9	8289.7	8039.4	7756.9
-27.5°	8132.4	8032.2	8003.6	7917.8	7874.9	7778.3	7653.1	7499.4	7299.1	7063.1	6830.6
-30°	6962.9	6902.1	6855.6	6769.8	6737.6	6633.9	6551.7	6422.9	6240.5	6072.5	5886.5
-32.5°	5761.3	5700.5	5686.2	5646.9	5625.4	5557.5	5464.5	5371.5	5224.9	5099.7	4949.5
-35°	4695.6	4652.7	4656.3	4652.7	4631.2	4581.2	4466.7	4441.7	4334.4	4220.0	4123.4
-37.5°	3844.5	3848.0	3844.5	3840.9	3812.3	3790.8	3708.6	3676.4	3612.0	3501.1	3443.9
-40°	3204.3	3211.5	3207.9	3200.7	3168.5	3157.8	3104.2	3061.3	3036.2	2957.5	2896.8
-42.5°	2685.8	2696.5	2692.9	2689.3	2667.9	2664.3	2635.7	2585.6	2571.3	2524.8	2460.5
-45°	2292.4	2288.8	2281.6	2288.8	2278.1	2267.3	2249.5	2217.3	2199.4	2177.9	2124.3
-47.5°	1981.2	1984.8	1977.7	1977.7	1963.4	1952.6	1945.5	1924.0	1909.7	1891.8	1859.6
-50°	1723.7	1738.1	1734.5	1730.9	1720.2	1713.0	1713.0	1691.6	1670.1	1663.0	1641.5
-52.5°	1523.5	1534.2	1537.8	1544.9	1548.5	1552.1	1541.4	1519.9	1484.1	1480.6	1469.8
-55°	1341.1	1373.3	1394.7	1409.0	1423.3	1434.1	1412.6	1384.0	1348.2	1333.9	1330.4
-57.5°	1215.9	1248.1	1273.1	1294.6	1312.5	1330.4	1308.9	1280.3	1248.1	1230.2	1226.6
-60°	1101.5	1130.1	1155.1	1183.7	1208.8	1237.4	1226.6	1205.2	1187.3	1173.0	1158.7
-62.5°	979.9	1008.5	1037.1	1072.9	1105.1	1133.7	1137.2	1133.7	1130.1	1133.7	1108.6
-65°	879.8	894.1	911.9	951.3	987.0	1019.2	1037.1	1047.8	1065.7	1083.6	1058.6
-67.5°	772.5	790.3	811.8	840.4	869.0	890.5	915.5	944.1	972.7	1001.3	983.5
-70°	675.9	690.2	708.1	722.4	740.3	754.6	776.0	808.2	840.4	869.0	861.9
-72.5°	575.8	590.1	600.8	608.0	618.7	625.8	636.6	665.2	686.6	700.9	700.9
-75°	475.6	489.9	500.7	504.2	511.4	515.0	522.1	532.9	543.6	547.2	550.7
-77.5°	364.8	379.1	389.8	397.0	404.1	411.3	414.8	422.0	425.6	425.6	429.1
-80°	271.8	282.5	289.7	300.4	304.0	311.1	318.3	321.9	325.4	325.4	329.0
-82.5°	193.1	200.3	207.4	214.6	221.7	225.3	232.5	236.0	239.6	243.2	246.8
-85°	128.7	135.9	143.0	150.2	153.8	157.4	160.9	164.5	168.1	171.7	175.2
-87.5°	75.1	78.7	82.3	89.4	93.0	100.1	103.7	100.1	103.7	103.7	103.7
-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: P722203
 CATALOG NUMBER: IFLD-S-SA6C-830-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°	139.5	139.5	139.5	139.5	135.9	128.7	125.2	118.0	110.9	103.7	96.6
85°	289.7	293.3	293.3	293.3	286.1	282.5	271.8	261.1	246.8	225.3	207.4
82.5°	482.8	486.4	486.4	482.8	475.6	464.9	450.6	432.7	404.1	375.5	350.5
80°	726.0	729.6	729.6	726.0	708.1	690.2	672.3	650.9	615.1	575.8	532.9
77.5°	1015.7	1022.8	1022.8	1012.1	987.0	965.6	937.0	901.2	847.6	790.3	733.1
75°	1351.8	1369.7	1373.3	1362.5	1330.4	1291.0	1244.5	1183.7	1101.5	1030.0	962.0
72.5°	1741.6	1759.5	1773.8	1759.5	1713.0	1659.4	1591.4	1519.9	1437.6	1341.1	1226.6
70°	2253.0	2270.9	2281.6	2235.1	2152.9	2063.5	1981.2	1899.0	1802.4	1684.4	1559.2
67.5°	2896.8	2878.9	2857.4	2764.4	2660.7	2553.4	2439.0	2317.4	2192.2	2067.1	1920.4
65°	3515.4	3465.4	3418.9	3308.0	3175.7	3036.2	2903.9	2768.0	2617.8	2460.5	2321.0
62.5°	4166.3	4059.0	3944.6	3808.7	3672.8	3519.0	3386.7	3225.8	3057.7	2864.6	2685.8
60°	4806.5	4677.7	4563.3	4395.2	4216.4	4009.0	3865.9	3708.6	3511.9	3304.4	3093.4
57.5°	5425.2	5285.7	5160.5	5013.9	4820.8	4595.5	4438.1	4234.3	4026.8	3765.8	3551.2
55°	6083.2	5943.7	5843.6	5679.1	5468.1	5260.6	5089.0	4874.4	4584.7	4305.8	4041.1
52.5°	6837.8	6726.9	6619.6	6451.5	6197.6	5986.6	5797.1	5557.5	5253.5	4910.2	4591.9
50°	7681.8	7624.5	7510.1	7313.4	7023.7	6837.8	6587.4	6269.1	5943.7	5582.5	5185.5
47.5°	8801.1	8708.1	8547.2	8332.6	8089.4	7810.5	7474.3	7102.4	6641.1	6240.5	5818.5
45°	10138.6	9967.0	9759.6	9469.9	9169.5	8854.8	8486.4	8014.3	7395.7	6873.5	6430.1
42.5°	11587.0	11354.6	11072.0	10693.0	10303.1	9916.9	9519.9	8876.2	8103.8	7502.9	7002.3
40°	13099.8	12802.9	12448.9	11898.1	11465.4	10968.3	10514.1	9552.1	8729.6	8078.7	7545.9
37.5°	14580.3	14204.8	13611.2	12942.4	12438.2	12030.5	11032.7	10002.7	9266.0	8550.8	8010.8
35°	15714.0	15395.7	14347.9	13654.1	13221.4	12577.6	11329.5	10274.5	9494.9	8901.3	8060.8
32.5°	16386.3	15563.8	14644.7	13943.8	13586.1	12531.1	11351.0	10353.2	9602.2	8937.0	7932.1
30°	16236.1	15241.9	14437.3	13850.8	13074.7	12127.0	11150.7	10231.6	9502.1	8697.4	7789.0
27.5°	15331.3	14562.4	13843.6	13232.1	12470.3	11619.2	10718.0	9909.8	9230.3	8450.6	7592.4
25°	14308.5	13611.2	13078.3	12545.4	11823.0	11011.2	10217.3	9634.4	8951.3	8182.4	7334.9
22.5°	13368.0	12867.3	12448.9	11891.0	11186.5	10478.4	9984.9	9380.5	8679.5	7899.9	7070.2
20°	12767.2	12427.4	11948.2	11333.1	10778.8	10335.3	9788.2	9148.0	8425.6	7610.2	6844.9
17.5°	12477.5	12084.1	11551.2	11150.7	10725.1	10238.8	9627.2	8947.7	8178.9	7477.9	6870.0
15°	12327.3	11912.4	11562.0	11168.6	10689.4	10178.0	9498.5	8794.0	8178.9	7531.6	6887.8
12.5°	12359.5	12001.9	11619.2	11190.0	10675.1	10127.9	9512.8	8858.3	8221.8	7570.9	6891.4
10°	12459.6	12084.1	11676.4	11200.8	10682.2	10142.2	9552.1	8897.7	8243.2	7588.8	6884.3
7.5°	12495.4	12087.7	11651.4	11172.2	10664.3	10135.1	9559.3	8908.4	8246.8	7585.2	6862.8
5°	12384.5	12016.2	11594.2	11111.4	10614.3	10099.3	9530.7	8894.1	8218.2	7549.4	6809.2
2.5°	12234.3	11937.5	11533.4	11068.5	10564.2	10049.2	9484.2	8829.7	8153.8	7485.1	6741.2
0°	12209.3	11840.9	11433.2	11018.4	10482.0	9938.4	9376.9	8708.1	8035.8	7363.5	6623.2
-2.5°	12044.8	11655.0	11247.3	10796.7	10324.6	9777.4	9187.4	8532.9	7867.7	7206.1	6494.4
-5°	11919.6	11486.9	11054.2	10567.8	10092.1	9545.0	8933.4	8296.9	7646.0	7002.3	6315.6
-7.5°	11751.5	11308.1	10853.9	10346.1	9831.1	9273.2	8668.8	8032.2	7392.1	6751.9	6093.9
-10°	11411.8	11022.0	10596.4	10070.7	9527.1	8969.2	8368.4	7742.6	7102.4	6455.1	5793.5
-12.5°	11000.5	10589.2	10124.3	9641.5	9155.2	8636.6	8035.8	7420.7	6777.0	6126.1	5468.1
-15°	10467.6	10063.5	9587.9	9115.8	8647.3	8150.2	7621.0	7066.6	6412.2	5772.0	5114.0
-17.5°	9802.5	9423.4	8997.8	8547.2	8082.3	7581.6	7066.6	6598.2	5986.6	5385.8	4734.9
-20°	9087.2	8733.2	8350.5	7924.9	7460.0	6970.1	6483.7	5993.8	5464.5	4935.2	4330.8



REPORT NUMBER: P722203
 CATALOG NUMBER: IFLD-S-SA6C-830-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	8343.4	7985.7	7599.5	7202.5	6773.4	6319.2	5868.6	5400.1	4935.2	4456.0	3944.6
-25°	7485.1	7170.4	6816.3	6430.1	6047.4	5650.5	5221.3	4795.7	4398.8	3983.9	3565.5
-27.5°	6587.4	6297.8	5975.9	5639.7	5310.7	4978.1	4606.2	4212.8	3883.8	3540.5	3193.6
-30°	5643.3	5410.8	5149.8	4856.5	4602.6	4334.4	4023.3	3697.8	3397.4	3136.4	2857.4
-32.5°	4749.2	4552.6	4366.6	4173.5	3923.1	3715.7	3501.1	3261.5	2996.9	2750.1	2549.9
-35°	3980.4	3769.4	3690.7	3547.6	3368.8	3186.4	3029.1	2857.4	2657.1	2439.0	2274.5
-37.5°	3333.1	3207.9	3097.0	3018.3	2900.3	2753.7	2628.5	2503.4	2349.6	2185.1	2020.6
-40°	2828.8	2743.0	2621.4	2582.0	2506.9	2406.8	2278.1	2181.5	2077.8	1952.6	1813.2
-42.5°	2424.7	2360.3	2281.6	2213.7	2181.5	2110.0	2009.8	1916.9	1834.6	1748.8	1641.5
-45°	2092.1	2049.2	1999.1	1938.3	1913.3	1856.1	1784.5	1680.8	1634.3	1562.8	1484.1
-47.5°	1823.9	1802.4	1766.7	1727.3	1691.6	1648.6	1584.3	1519.9	1455.5	1409.0	1348.2
-50°	1612.9	1598.6	1577.1	1544.9	1498.4	1469.8	1426.9	1369.7	1308.9	1269.6	1226.6
-52.5°	1444.8	1430.5	1416.2	1391.2	1355.4	1326.8	1291.0	1244.5	1194.5	1155.1	1119.4
-55°	1316.1	1294.6	1283.9	1262.4	1233.8	1201.6	1169.4	1137.2	1094.3	1058.6	1022.8
-57.5°	1215.9	1187.3	1173.0	1155.1	1126.5	1094.3	1069.3	1037.1	1008.5	969.2	937.0
-60°	1137.2	1105.1	1076.4	1058.6	1033.5	1001.3	976.3	951.3	922.7	890.5	851.1
-62.5°	1072.9	1033.5	994.2	972.7	947.7	919.1	894.1	869.0	840.4	808.2	772.5
-65°	1012.1	965.6	915.5	894.1	869.0	840.4	808.2	790.3	765.3	736.7	700.9
-67.5°	937.0	886.9	844.0	819.0	793.9	768.9	740.3	722.4	697.4	661.6	625.8
-70°	826.1	793.9	765.3	743.9	722.4	700.9	672.3	643.7	615.1	582.9	550.7
-72.5°	686.6	675.9	672.3	661.6	636.6	611.5	582.9	554.3	529.3	504.2	479.2
-75°	554.3	561.5	568.6	565.0	540.0	515.0	489.9	464.9	447.0	425.6	404.1
-77.5°	439.9	447.0	454.2	454.2	436.3	422.0	404.1	386.2	371.9	354.0	332.6
-80°	339.7	350.5	361.2	368.4	354.0	343.3	329.0	314.7	300.4	286.1	271.8
-82.5°	257.5	268.2	278.9	286.1	275.4	268.2	257.5	246.8	236.0	221.7	211.0
-85°	186.0	193.1	200.3	203.8	196.7	189.5	182.4	175.2	168.1	157.4	150.2
-87.5°	107.3	110.9	114.4	118.0	110.9	103.7	100.1	93.0	89.4	82.3	78.7
-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: P722203
 CATALOG NUMBER: IFLD-S-SA6C-830-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°	89.4	82.3	75.1	71.5	64.4	53.6	46.5	39.3	32.2	25.0	21.5
85°	189.5	171.7	150.2	139.5	125.2	110.9	96.6	82.3	67.9	53.6	39.3
82.5°	325.4	304.0	282.5	257.5	225.3	186.0	146.6	121.6	100.1	78.7	60.8
80°	489.9	450.6	414.8	382.7	346.9	296.8	243.2	193.1	135.9	103.7	78.7
77.5°	679.5	633.0	582.9	529.3	472.1	404.1	343.3	278.9	211.0	143.0	100.1
75°	894.1	833.3	765.3	690.2	615.1	525.7	439.9	364.8	286.1	200.3	121.6
72.5°	1133.7	1058.6	976.3	876.2	758.2	654.5	550.7	450.6	357.6	253.9	164.5
70°	1441.2	1323.2	1201.6	1094.3	944.1	779.6	658.0	543.6	425.6	311.1	207.4
67.5°	1770.2	1627.2	1480.6	1323.2	1133.7	940.6	765.3	636.6	497.1	364.8	246.8
65°	2127.9	1949.0	1763.1	1587.8	1326.8	1097.9	901.2	726.0	565.0	414.8	286.1
62.5°	2496.2	2285.2	2070.6	1841.8	1541.4	1258.8	1030.0	826.1	629.4	461.3	321.9
60°	2889.6	2642.8	2381.8	2095.7	1745.2	1434.1	1151.5	929.8	697.4	507.8	361.2
57.5°	3304.4	3036.2	2728.7	2342.4	1956.2	1602.2	1291.0	1022.8	758.2	550.7	389.8
55°	3755.0	3447.5	3111.3	2599.9	2163.6	1770.2	1430.5	1115.8	822.5	586.5	418.4
52.5°	4241.4	3883.8	3458.2	2871.7	2381.8	1941.9	1559.2	1198.0	883.3	625.8	443.5
50°	4785.0	4334.4	3762.2	3122.1	2571.3	2102.8	1688.0	1287.4	933.4	668.8	464.9
47.5°	5350.1	4863.7	4034.0	3354.5	2764.4	2260.2	1820.3	1366.1	983.5	704.5	486.4
45°	5940.1	5232.0	4316.5	3561.9	2932.5	2403.2	1920.4	1437.6	1044.3	736.7	504.2
42.5°	6523.1	5511.0	4563.3	3769.4	3089.9	2532.0	2002.7	1505.6	1094.3	768.9	522.1
40°	6798.4	5722.0	4760.0	3912.4	3222.2	2646.4	2074.2	1566.4	1137.2	790.3	540.0
37.5°	6912.9	5850.7	4888.7	4048.3	3325.9	2707.2	2135.0	1620.0	1173.0	811.8	554.3
35°	6937.9	5897.2	4953.1	4141.3	3411.7	2764.4	2181.5	1659.4	1201.6	833.3	568.6
32.5°	6891.4	5882.9	4971.0	4173.5	3465.4	2807.3	2213.7	1688.0	1223.1	854.7	582.9
30°	6787.7	5807.8	4906.6	4169.9	3504.7	2832.4	2235.1	1709.4	1244.5	869.0	590.1
27.5°	6619.6	5675.5	4824.3	4173.5	3526.2	2843.1	2245.9	1720.2	1258.8	879.8	604.4
25°	6412.2	5496.7	4827.9	4166.3	3529.7	2846.7	2245.9	1720.2	1262.4	883.3	615.1
22.5°	6172.6	5496.7	4827.9	4155.6	3508.3	2839.5	2235.1	1713.0	1262.4	890.5	625.8
20°	6186.9	5500.3	4817.2	4134.1	3476.1	2818.1	2210.1	1695.1	1251.7	901.2	633.0
17.5°	6197.6	5493.1	4795.7	4105.5	3433.2	2782.3	2177.9	1670.1	1251.7	911.9	636.6
15°	6197.6	5471.6	4763.5	4062.6	3379.5	2732.2	2131.4	1648.6	1255.3	915.5	643.7
12.5°	6186.9	5432.3	4713.5	4005.4	3315.2	2671.4	2102.8	1641.5	1255.3	919.1	643.7
10°	6165.4	5378.7	4649.1	3933.9	3254.4	2650.0	2088.5	1627.2	1248.1	919.1	643.7
7.5°	6126.1	5314.3	4595.5	3890.9	3218.6	2625.0	2067.1	1605.7	1237.4	911.9	650.9
5°	6065.3	5278.5	4552.6	3840.9	3168.5	2607.1	2052.8	1587.8	1230.2	911.9	643.7
2.5°	5986.6	5235.6	4502.5	3776.5	3111.3	2546.3	2006.3	1548.5	1205.2	897.6	636.6
0°	5857.9	5149.8	4416.7	3687.1	3032.6	2485.5	1959.8	1509.2	1180.2	883.3	629.4
-2.5°	5739.9	5035.3	4305.8	3594.1	2957.5	2431.8	1924.0	1487.7	1169.4	879.8	625.8
-5°	5575.4	4878.0	4159.2	3472.5	2857.4	2378.2	1888.3	1462.7	1158.7	872.6	625.8
-7.5°	5393.0	4713.5	4005.4	3347.4	2757.3	2285.2	1820.3	1423.3	1133.7	858.3	622.3
-10°	5110.4	4466.7	3812.3	3204.3	2650.0	2203.0	1763.1	1387.6	1112.2	844.0	608.0
-12.5°	4810.0	4194.9	3590.5	3029.1	2528.4	2117.1	1698.7	1348.2	1087.2	829.7	600.8
-15°	4491.8	3916.0	3358.1	2846.7	2396.1	2013.4	1630.8	1305.3	1062.1	811.8	590.1
-17.5°	4159.2	3622.7	3118.5	2660.7	2263.8	1906.1	1559.2	1266.0	1033.5	793.9	579.4
-20°	3808.7	3322.3	2875.3	2471.2	2124.3	1798.8	1484.1	1219.5	1001.3	772.5	565.0



REPORT NUMBER: P722203
 CATALOG NUMBER: IFLD-S-SA6C-830-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	3461.8	3025.5	2625.0	2285.2	1981.2	1688.0	1409.0	1173.0	965.6	747.4	554.3
-25°	3154.2	2746.6	2403.2	2106.4	1841.8	1580.7	1330.4	1126.5	926.2	722.4	540.0
-27.5°	2853.8	2506.9	2185.1	1938.3	1705.9	1477.0	1255.3	1076.4	886.9	693.8	525.7
-30°	2574.9	2278.1	2013.4	1773.8	1577.1	1384.0	1190.9	1026.4	844.0	665.2	507.8
-32.5°	2321.0	2081.4	1859.6	1630.8	1455.5	1291.0	1130.1	976.3	801.1	636.6	489.9
-35°	2084.9	1899.0	1705.9	1512.7	1333.9	1205.2	1065.7	922.7	761.7	604.4	472.1
-37.5°	1873.9	1723.7	1570.0	1405.5	1251.7	1122.9	1004.9	869.0	722.4	575.8	454.2
-40°	1691.6	1570.0	1434.1	1301.8	1173.0	1051.4	944.1	815.4	683.1	554.3	436.3
-42.5°	1523.5	1430.5	1319.6	1208.8	1094.3	987.0	883.3	758.2	643.7	529.3	418.4
-45°	1394.7	1301.8	1212.3	1112.2	1015.7	922.7	819.0	708.1	608.0	500.7	400.5
-47.5°	1273.1	1190.9	1108.6	1026.4	947.7	861.9	758.2	665.2	568.6	475.6	386.2
-50°	1165.9	1087.2	1015.7	944.1	876.2	793.9	697.4	622.3	536.4	450.6	368.4
-52.5°	1065.7	997.8	926.2	869.0	811.8	729.6	650.9	579.4	504.2	422.0	350.5
-55°	976.3	911.9	847.6	793.9	740.3	668.8	604.4	543.6	472.1	400.5	332.6
-57.5°	890.5	836.8	776.0	726.0	672.3	615.1	561.5	504.2	439.9	379.1	314.7
-60°	811.8	761.7	708.1	658.0	611.5	565.0	515.0	468.5	411.3	354.0	296.8
-62.5°	733.1	690.2	643.7	593.7	557.9	515.0	475.6	429.1	382.7	332.6	264.6
-65°	661.6	622.3	579.4	536.4	504.2	472.1	436.3	393.4	354.0	307.6	236.0
-67.5°	590.1	554.3	518.6	482.8	454.2	429.1	393.4	361.2	329.0	278.9	207.4
-70°	522.1	493.5	461.3	432.7	411.3	382.7	357.6	329.0	300.4	243.2	175.2
-72.5°	457.8	429.1	404.1	382.7	364.8	339.7	318.3	296.8	257.5	203.8	146.6
-75°	382.7	364.8	350.5	332.6	314.7	296.8	278.9	253.9	214.6	164.5	114.4
-77.5°	314.7	304.0	293.3	278.9	264.6	250.3	228.9	203.8	171.7	128.7	93.0
-80°	257.5	246.8	239.6	225.3	214.6	200.3	178.8	157.4	125.2	100.1	75.1
-82.5°	196.7	189.5	182.4	175.2	164.5	150.2	128.7	110.9	93.0	75.1	57.2
-85°	139.5	135.9	128.7	121.6	110.9	100.1	85.8	75.1	64.4	50.1	39.3
-87.5°	71.5	67.9	64.4	60.8	57.2	50.1	42.9	35.8	32.2	25.0	17.9
-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: P722203
 CATALOG NUMBER: IFLD-S-SA6C-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	14.3	10.7	3.6	0.0
85°	28.6	17.9	7.2	0.0
82.5°	42.9	28.6	10.7	0.0
80°	57.2	35.8	17.9	0.0
77.5°	71.5	42.9	21.5	0.0
75°	85.8	53.6	25.0	0.0
72.5°	96.6	60.8	28.6	0.0
70°	114.4	71.5	32.2	0.0
67.5°	143.0	78.7	35.8	0.0
65°	168.1	85.8	39.3	0.0
62.5°	196.7	93.0	42.9	0.0
60°	221.7	100.1	46.5	0.0
57.5°	246.8	118.0	50.1	0.0
55°	268.2	132.3	53.6	0.0
52.5°	293.3	146.6	57.2	0.0
50°	314.7	160.9	60.8	0.0
47.5°	332.6	175.2	60.8	0.0
45°	346.9	186.0	64.4	0.0
42.5°	357.6	196.7	67.9	0.0
40°	368.4	207.4	71.5	0.0
37.5°	379.1	218.2	71.5	0.0
35°	389.8	228.9	75.1	0.0
32.5°	400.5	239.6	75.1	0.0
30°	407.7	246.8	78.7	0.0
27.5°	418.4	253.9	78.7	0.0
25°	422.0	261.1	82.3	0.0
22.5°	429.1	264.6	82.3	0.0
20°	436.3	271.8	82.3	0.0
17.5°	439.9	275.4	85.8	0.0
15°	439.9	278.9	89.4	0.0
12.5°	443.5	282.5	89.4	0.0
10°	443.5	289.7	85.8	0.0
7.5°	450.6	286.1	85.8	0.0
5°	447.0	286.1	85.8	0.0
2.5°	443.5	282.5	85.8	0.0
0°	439.9	282.5	85.8	0.0
-2.5°	439.9	282.5	85.8	0.0
-5°	439.9	282.5	85.8	0.0
-7.5°	436.3	286.1	85.8	0.0
-10°	429.1	286.1	85.8	0.0
-12.5°	425.6	275.4	85.8	0.0
-15°	422.0	271.8	85.8	0.0
-17.5°	414.8	268.2	82.3	0.0
-20°	407.7	264.6	82.3	0.0



REPORT NUMBER: P722203
 CATALOG NUMBER: IFLD-S-SA6C-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	400.5	257.5	82.3	0.0
-25°	393.4	250.3	78.7	0.0
-27.5°	386.2	243.2	78.7	0.0
-30°	375.5	236.0	75.1	0.0
-32.5°	364.8	228.9	75.1	0.0
-35°	357.6	218.2	71.5	0.0
-37.5°	346.9	207.4	71.5	0.0
-40°	336.2	196.7	67.9	0.0
-42.5°	325.4	186.0	64.4	0.0
-45°	311.1	175.2	64.4	0.0
-47.5°	300.4	164.5	60.8	0.0
-50°	282.5	150.2	57.2	0.0
-52.5°	261.1	135.9	53.6	0.0
-55°	239.6	125.2	50.1	0.0
-57.5°	218.2	110.9	50.1	0.0
-60°	196.7	96.6	46.5	0.0
-62.5°	175.2	89.4	42.9	0.0
-65°	153.8	82.3	39.3	0.0
-67.5°	128.7	71.5	35.8	0.0
-70°	107.3	64.4	32.2	0.0
-72.5°	93.0	57.2	28.6	0.0
-75°	78.7	50.1	25.0	0.0
-77.5°	67.9	42.9	21.5	0.0
-80°	53.6	32.2	14.3	0.0
-82.5°	39.3	25.0	10.7	0.0
-85°	25.0	17.9	7.2	0.0
-87.5°	14.3	7.2	3.6	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)