

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: P722200

Luminaire Tested: **IFLD-S-SA3E-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722200
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (48) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

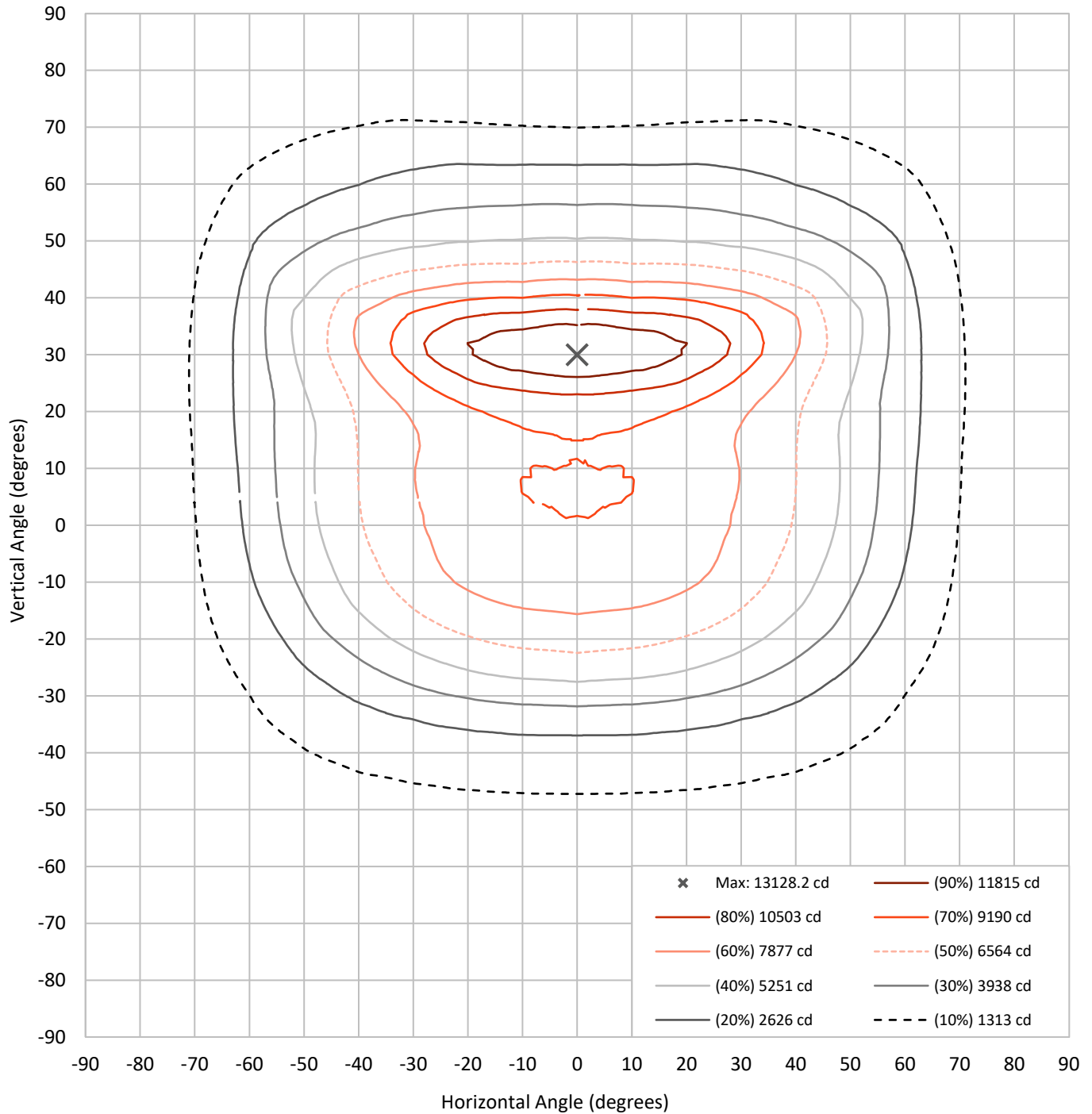
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	21914.2 lumens	Max Intensity:	13128.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	94.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	12743.4 lumens	Field Lumens:	20536.4 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 232.1
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: P722200
CATALOG NUMBER: IFLD-S-SA3E-830-U-76

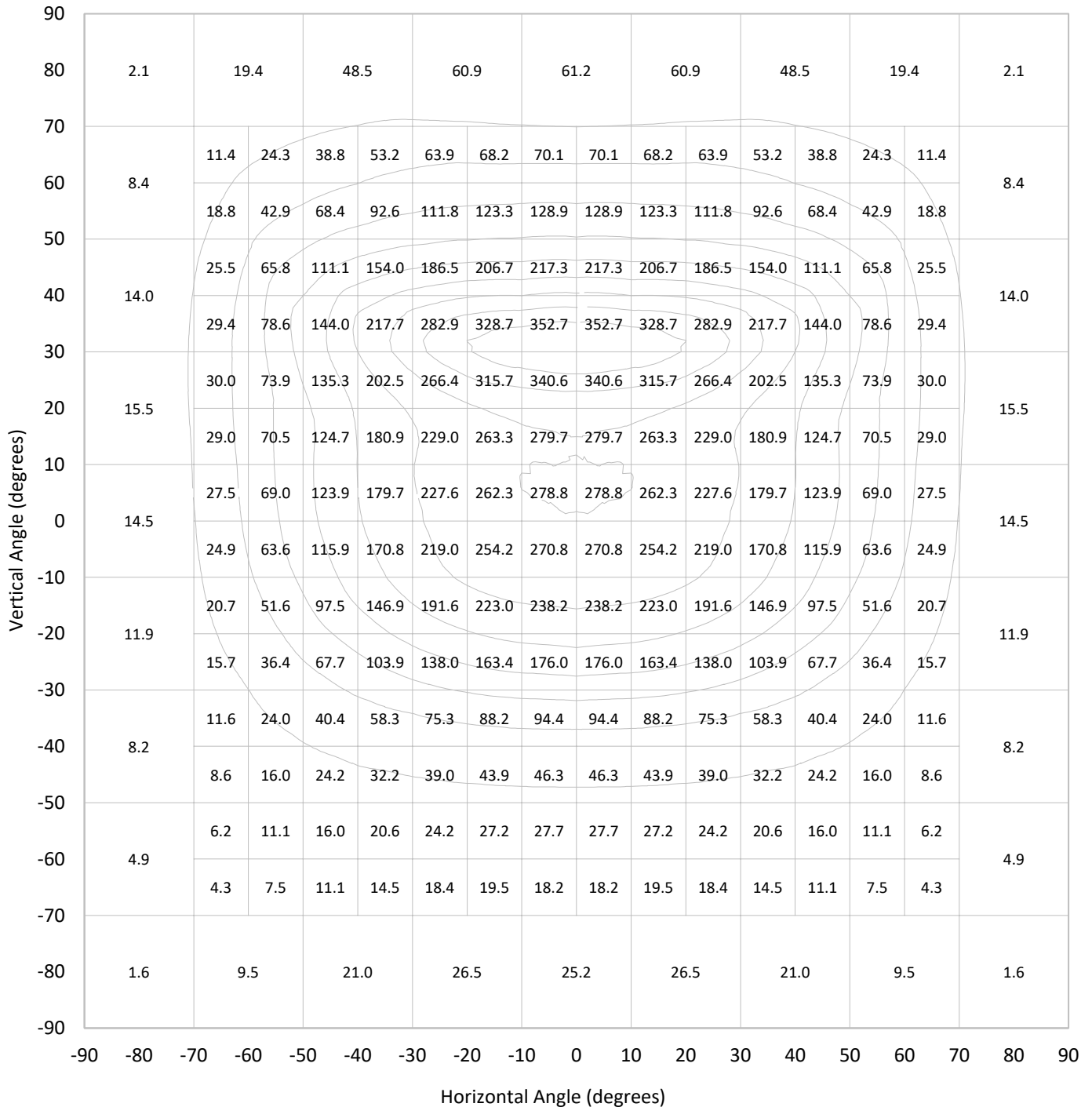
Iso-Candela Plot





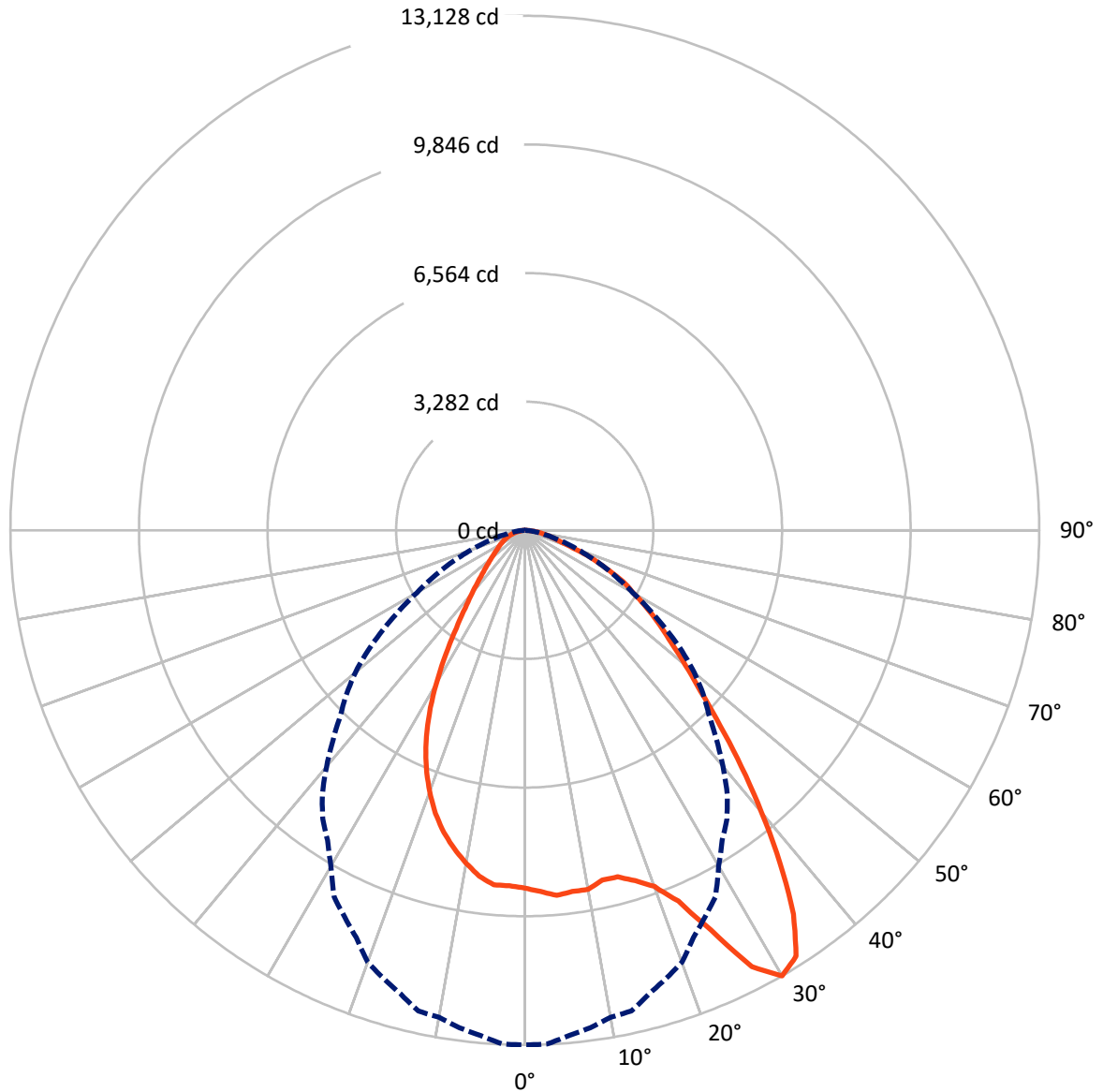
REPORT NUMBER: P722200
 CATALOG NUMBER: IFLD-S-SA3E-830-U-76

Lumen Table



REPORT NUMBER: P722200
CATALOG NUMBER: IFLD-S-SA3E-830-U-76

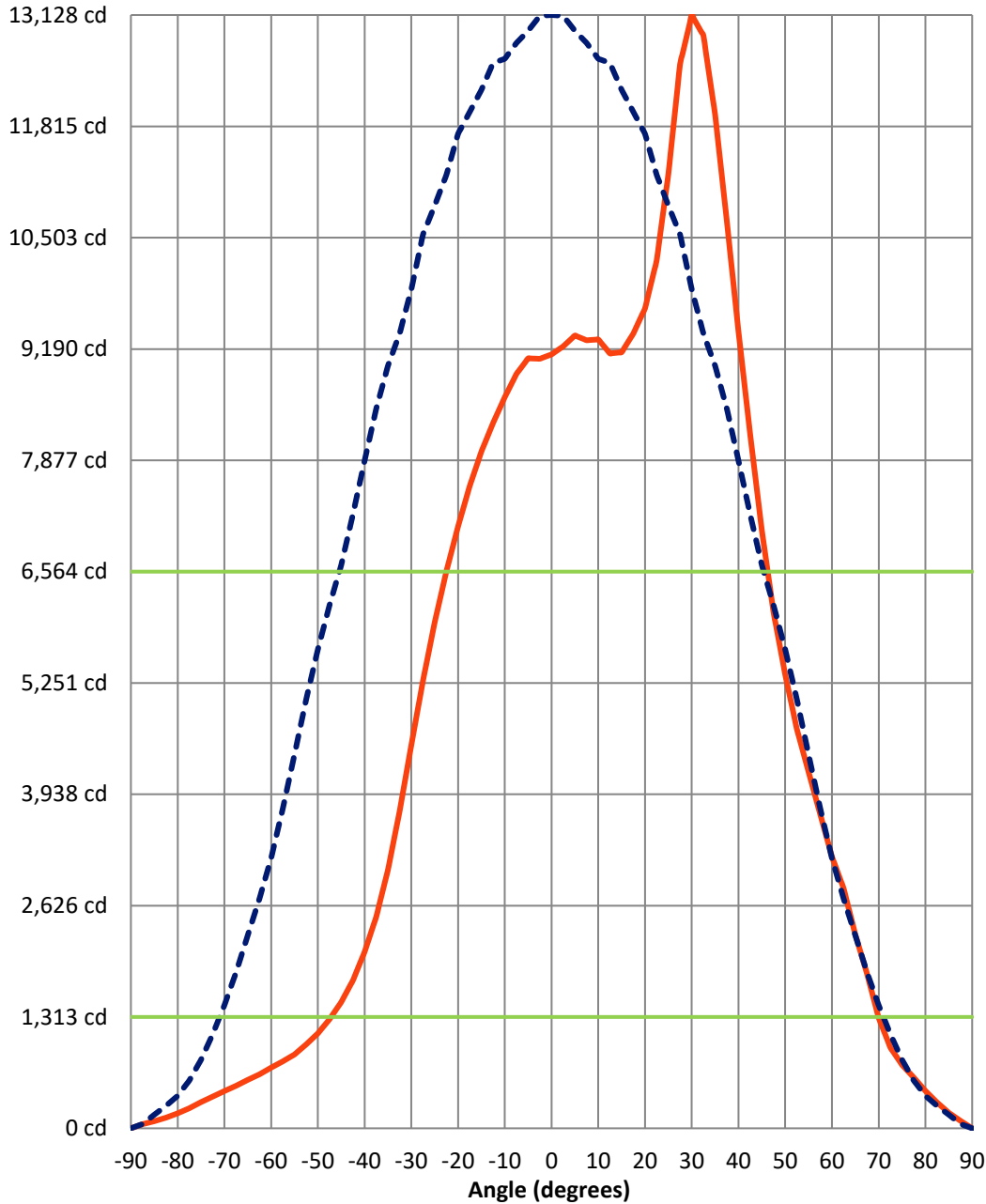
Luminous Intensity Polar Plot



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

REPORT NUMBER: P722200
 CATALOG NUMBER: IFLD-S-SA3E-830-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 12743.4
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 20536.4
 Efficiency: 93.7%

Spill:
 Lumens: 1377.8
 Efficiency: 6.3%

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



REPORT NUMBER: P722200
 CATALOG NUMBER: IFLD-S-SA3E-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°	88.2	90.5	92.9	92.9	90.5	90.5	90.5	88.2	90.5	90.5	90.5
85°	183.4	188.0	192.7	190.4	188.0	183.4	178.8	181.1	183.4	185.7	185.7
82.5°	304.1	311.1	315.7	313.4	308.8	304.1	299.5	301.8	306.4	308.8	308.8
80°	441.1	443.4	445.7	450.4	443.4	443.4	441.1	450.4	455.0	459.7	464.3
77.5°	599.0	601.3	601.3	603.6	605.9	608.2	608.2	624.5	636.1	643.1	650.0
75°	747.5	754.5	761.5	768.4	777.7	782.3	789.3	812.5	831.1	845.0	859.0
72.5°	951.8	961.1	972.7	989.0	1005.2	1016.8	1033.1	1060.9	1081.8	1095.8	1112.0
70°	1302.4	1311.7	1323.3	1334.9	1351.1	1362.7	1379.0	1413.8	1434.7	1444.0	1453.3
67.5°	1822.4	1845.6	1866.5	1843.3	1831.7	1815.4	1820.1	1852.6	1873.5	1887.4	1885.1
65°	2284.4	2300.6	2300.6	2298.3	2289.0	2268.1	2279.7	2319.2	2342.4	2354.0	2319.2
62.5°	2827.6	2827.6	2816.0	2834.6	2836.9	2823.0	2816.0	2818.3	2820.6	2827.6	2769.6
60°	3203.7	3226.9	3233.9	3250.1	3254.8	3254.8	3266.4	3275.7	3275.7	3261.7	3194.4
57.5°	3700.5	3744.6	3753.9	3742.3	3719.1	3688.9	3684.2	3670.3	3642.5	3614.6	3582.1
55°	4201.9	4225.2	4222.8	4215.9	4192.7	4157.8	4162.5	4143.9	4099.8	4065.0	4020.9
52.5°	4705.7	4761.4	4770.7	4756.8	4724.3	4687.1	4689.5	4668.6	4624.5	4587.3	4527.0
50°	5348.8	5395.2	5390.6	5367.3	5320.9	5293.1	5295.4	5255.9	5204.8	5193.2	5114.3
47.5°	6084.7	6138.1	6128.8	6096.3	6033.6	6022.0	6033.6	5982.5	5952.4	5926.8	5834.0
45°	7050.4	7113.1	7078.3	7015.6	6915.8	6927.4	6943.6	6934.4	6869.4	6802.0	6683.6
42.5°	8183.3	8222.8	8181.0	8118.3	7993.0	8016.2	8006.9	7951.2	7911.7	7800.3	7649.4
40°	9395.2	9481.1	9416.1	9318.6	9188.5	9223.4	9197.8	9125.9	9033.0	8893.7	8703.4
37.5°	10702.2	10769.5	10695.2	10581.5	10465.4	10453.8	10402.7	10291.3	10158.9	10005.7	9701.6
35°	11953.5	12127.6	11990.6	11809.5	11667.9	11614.5	11565.8	11308.1	11157.2	10908.8	10493.2
32.5°	12884.4	13012.1	12842.6	12654.6	12482.8	12408.5	12236.7	11930.3	11849.0	11326.7	10945.9
30°	13128.2	13118.9	12942.4	12798.5	12612.8	12561.7	12246.0	11986.0	11726.0	11243.1	10880.9
27.5°	12547.8	12489.7	12320.3	12194.9	12011.5	11951.2	11640.1	11500.8	11099.2	10690.6	10384.1
25°	11254.7	11284.9	11157.2	11094.5	10973.8	10843.8	10720.7	10532.7	10282.0	9924.5	9643.6
22.5°	10235.6	10275.0	10221.6	10147.3	10054.5	9982.5	9889.6	9743.4	9502.0	9281.4	9016.8
20°	9669.1	9657.5	9611.1	9555.3	9467.1	9416.1	9313.9	9190.9	9005.2	8814.8	8529.2
17.5°	9371.9	9300.0	9255.9	9235.0	9188.5	9123.5	9002.8	8877.5	8733.5	8517.6	8308.7
15°	9151.4	9163.0	9128.2	9111.9	9074.8	8984.3	8861.2	8759.1	8564.1	8455.0	8264.6
12.5°	9137.5	9125.9	9128.2	9121.2	9074.8	8958.7	8896.0	8766.0	8640.7	8496.7	8278.5
10°	9302.3	9179.3	9188.5	9221.1	9146.8	9053.9	8986.6	8845.0	8726.6	8543.2	8327.3
7.5°	9293.0	9230.3	9248.9	9195.5	9218.7	9105.0	9012.1	8870.5	8721.9	8526.9	8331.9
5°	9348.7	9253.6	9237.3	9241.9	9183.9	9098.0	8972.6	8838.0	8698.7	8480.5	8280.8
2.5°	9221.1	9235.0	9160.7	9132.8	9125.9	8981.9	8865.9	8735.9	8591.9	8399.2	8220.5
0°	9125.9	9151.4	9074.8	9035.3	9033.0	8910.0	8835.7	8687.1	8585.0	8424.8	8208.9
-2.5°	9074.8	9105.0	9114.3	9042.3	8972.6	8877.5	8752.1	8591.9	8424.8	8239.1	8053.3
-5°	9079.4	9019.1	8993.5	9016.8	8956.4	8861.2	8721.9	8580.3	8415.5	8215.8	7983.7
-7.5°	8896.0	8835.7	8831.0	8819.4	8805.5	8715.0	8598.9	8445.7	8278.5	8092.8	7876.9
-10°	8622.1	8578.0	8566.4	8554.8	8517.6	8464.2	8355.1	8215.8	8064.9	7879.2	7649.4
-12.5°	8318.0	8297.1	8253.0	8222.8	8185.7	8123.0	8018.5	7890.8	7739.9	7575.1	7377.8
-15°	7981.4	7941.9	7897.8	7872.3	7818.9	7744.6	7640.1	7521.7	7356.9	7194.4	7008.6
-17.5°	7575.1	7526.3	7477.6	7470.6	7433.5	7319.7	7222.2	7078.3	6934.4	6778.8	6597.7
-20°	7096.9	7029.5	6997.0	6978.5	6927.4	6843.8	6739.4	6607.0	6467.7	6319.2	6110.2



REPORT NUMBER: P722200
 CATALOG NUMBER: IFLD-S-SA3E-830-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	6567.6	6509.5	6453.8	6419.0	6374.9	6309.9	6210.0	6094.0	5957.0	5789.9	5597.2
-25°	5966.3	5885.0	5850.2	5810.7	5787.5	5727.2	5629.7	5522.9	5381.3	5218.8	5035.4
-27.5°	5279.1	5214.1	5195.5	5139.8	5112.0	5049.3	4968.0	4868.2	4738.2	4585.0	4434.1
-30°	4520.0	4480.5	4450.3	4394.6	4373.7	4306.4	4253.0	4169.4	4051.0	3941.9	3821.2
-32.5°	3740.0	3700.5	3691.2	3665.7	3651.7	3607.6	3547.3	3486.9	3391.7	3310.5	3213.0
-35°	3048.1	3020.3	3022.6	3020.3	3006.4	2973.9	2899.6	2883.3	2813.7	2739.4	2676.7
-37.5°	2495.6	2497.9	2495.6	2493.3	2474.7	2460.8	2407.4	2386.5	2344.7	2272.8	2235.6
-40°	2080.1	2084.7	2082.4	2077.8	2056.9	2049.9	2015.1	1987.2	1971.0	1919.9	1880.4
-42.5°	1743.5	1750.4	1748.1	1745.8	1731.8	1729.5	1711.0	1678.5	1669.2	1639.0	1597.2
-45°	1488.1	1485.8	1481.1	1485.8	1478.8	1471.8	1460.2	1439.3	1427.7	1413.8	1379.0
-47.5°	1286.1	1288.4	1283.8	1283.8	1274.5	1267.5	1262.9	1249.0	1239.7	1228.1	1207.2
-50°	1119.0	1128.3	1125.9	1123.6	1116.6	1112.0	1112.0	1098.1	1084.1	1079.5	1065.6
-52.5°	989.0	995.9	998.3	1002.9	1005.2	1007.5	1000.6	986.6	963.4	961.1	954.1
-55°	870.6	891.5	905.4	914.7	924.0	930.9	917.0	898.4	875.2	865.9	863.6
-57.5°	789.3	810.2	826.5	840.4	852.0	863.6	849.7	831.1	810.2	798.6	796.3
-60°	715.0	733.6	749.8	768.4	784.7	803.2	796.3	782.3	770.7	761.5	752.2
-62.5°	636.1	654.7	673.2	696.5	717.3	735.9	738.2	735.9	733.6	735.9	719.7
-65°	571.1	580.4	592.0	617.5	640.7	661.6	673.2	680.2	691.8	703.4	687.2
-67.5°	501.4	513.1	527.0	545.6	564.1	578.1	594.3	612.9	631.5	650.0	638.4
-70°	438.8	448.1	459.7	468.9	480.6	489.8	503.8	524.7	545.6	564.1	559.5
-72.5°	373.8	383.0	390.0	394.7	401.6	406.3	413.2	431.8	445.7	455.0	455.0
-75°	308.8	318.0	325.0	327.3	332.0	334.3	338.9	345.9	352.9	355.2	357.5
-77.5°	236.8	246.1	253.0	257.7	262.3	267.0	269.3	273.9	276.3	276.3	278.6
-80°	176.4	183.4	188.0	195.0	197.3	202.0	206.6	208.9	211.3	211.3	213.6
-82.5°	125.4	130.0	134.6	139.3	143.9	146.3	150.9	153.2	155.5	157.9	160.2
-85°	83.6	88.2	92.9	97.5	99.8	102.1	104.5	106.8	109.1	111.4	113.8
-87.5°	48.8	51.1	53.4	58.0	60.4	65.0	67.3	65.0	67.3	67.3	67.3
-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: P722200
 CATALOG NUMBER: IFLD-S-SA3E-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°	90.5	90.5	90.5	90.5	88.2	83.6	81.3	76.6	72.0	67.3	62.7
85°	188.0	190.4	190.4	190.4	185.7	183.4	176.4	169.5	160.2	146.3	134.6
82.5°	313.4	315.7	315.7	313.4	308.8	301.8	292.5	280.9	262.3	243.8	227.5
80°	471.3	473.6	473.6	471.3	459.7	448.1	436.4	422.5	399.3	373.8	345.9
77.5°	659.3	664.0	664.0	657.0	640.7	626.8	608.2	585.0	550.2	513.1	475.9
75°	877.5	889.1	891.5	884.5	863.6	838.1	807.9	768.4	715.0	668.6	624.5
72.5°	1130.6	1142.2	1151.5	1142.2	1112.0	1077.2	1033.1	986.6	933.2	870.6	796.3
70°	1462.6	1474.2	1481.1	1450.9	1397.6	1339.5	1286.1	1232.7	1170.0	1093.4	1012.2
67.5°	1880.4	1868.8	1854.9	1794.5	1727.2	1657.6	1583.3	1504.3	1423.1	1341.8	1246.7
65°	2282.0	2249.5	2219.4	2147.4	2061.5	1971.0	1885.1	1796.9	1699.3	1597.2	1506.7
62.5°	2704.6	2634.9	2560.6	2472.4	2384.2	2284.4	2198.5	2094.0	1984.9	1859.5	1743.5
60°	3120.1	3036.5	2962.3	2853.1	2737.1	2602.4	2509.6	2407.4	2279.7	2145.1	2008.1
57.5°	3521.7	3431.2	3349.9	3254.8	3129.4	2983.1	2881.0	2748.7	2614.0	2444.6	2305.3
55°	3948.9	3858.4	3793.4	3686.6	3549.6	3414.9	3303.5	3164.2	2976.2	2795.1	2623.3
52.5°	4438.7	4366.8	4297.1	4188.0	4023.2	3886.2	3763.2	3607.6	3410.3	3187.4	2980.8
50°	4986.6	4949.5	4875.2	4747.5	4559.5	4438.7	4276.2	4069.6	3858.4	3623.9	3366.2
47.5°	5713.2	5652.9	5548.4	5409.1	5251.3	5070.2	4852.0	4610.5	4311.1	4051.0	3777.1
45°	6581.5	6470.1	6335.4	6147.4	5952.4	5748.1	5509.0	5202.5	4800.9	4461.9	4174.1
42.5°	7521.7	7370.8	7187.4	6941.3	6688.3	6437.6	6179.9	5762.0	5260.5	4870.5	4545.5
40°	8503.7	8311.0	8081.2	7723.7	7442.8	7120.1	6825.2	6200.8	5666.8	5244.3	4898.4
37.5°	9464.8	9221.1	8835.7	8401.6	8074.2	7809.6	7161.9	6493.3	6015.0	5550.7	5200.2
35°	10200.7	9994.1	9313.9	8863.5	8582.6	8164.8	7354.6	6669.7	6163.6	5778.2	5232.7
32.5°	10637.2	10103.2	9506.6	9051.6	8819.4	8134.6	7368.5	6720.8	6233.3	5801.5	5149.1
30°	10539.7	9894.3	9371.9	8991.2	8487.5	7872.3	7238.5	6641.8	6168.3	5645.9	5056.3
27.5°	9952.3	9453.2	8986.6	8589.6	8095.1	7542.6	6957.6	6432.9	5991.8	5485.7	4928.6
25°	9288.4	8835.7	8489.8	8143.9	7674.9	7147.9	6632.6	6254.2	5810.7	5311.6	4761.4
22.5°	8677.8	8352.8	8081.2	7719.0	7261.7	6802.0	6481.7	6089.3	5634.3	5128.2	4589.6
20°	8287.8	8067.3	7756.2	7356.9	6997.0	6709.2	6354.0	5938.4	5469.5	4940.2	4443.4
17.5°	8099.8	7844.4	7498.5	7238.5	6962.2	6646.5	6249.5	5808.4	5309.3	4854.3	4459.6
15°	8002.3	7733.0	7505.5	7250.1	6939.0	6607.0	6165.9	5708.6	5309.3	4889.1	4471.2
12.5°	8023.2	7791.0	7542.6	7264.0	6929.7	6574.5	6175.2	5750.4	5337.2	4914.6	4473.6
10°	8088.2	7844.4	7579.7	7271.0	6934.4	6583.8	6200.8	5775.9	5351.1	4926.3	4468.9
7.5°	8111.4	7846.7	7563.5	7252.4	6922.8	6579.2	6205.4	5782.9	5353.4	4923.9	4455.0
5°	8039.4	7800.3	7526.3	7212.9	6890.3	6556.0	6186.8	5773.6	5334.8	4900.7	4420.2
2.5°	7941.9	7749.2	7486.9	7185.1	6857.8	6523.5	6156.7	5731.8	5293.1	4858.9	4376.1
0°	7925.6	7686.5	7421.9	7152.6	6804.4	6451.5	6087.0	5652.9	5216.4	4780.0	4299.4
-2.5°	7818.9	7565.8	7301.2	7008.6	6702.2	6347.0	5964.0	5539.1	5107.3	4677.8	4215.9
-5°	7737.6	7456.7	7175.8	6860.1	6551.3	6196.1	5799.1	5385.9	4963.4	4545.5	4099.8
-7.5°	7628.5	7340.6	7045.8	6716.1	6381.8	6019.7	5627.3	5214.1	4798.6	4383.0	3955.9
-10°	7407.9	7154.9	6878.6	6537.4	6184.5	5822.4	5432.3	5026.1	4610.5	4190.3	3760.9
-12.5°	7141.0	6874.0	6572.2	6258.8	5943.1	5606.5	5216.4	4817.1	4399.3	3976.8	3549.6
-15°	6795.1	6532.7	6224.0	5917.5	5613.4	5290.7	4947.1	4587.3	4162.5	3746.9	3319.8
-17.5°	6363.3	6117.2	5840.9	5548.4	5246.6	4921.6	4587.3	4283.2	3886.2	3496.2	3073.7
-20°	5899.0	5669.1	5420.7	5144.5	4842.7	4524.6	4208.9	3890.9	3547.3	3203.7	2811.4



REPORT NUMBER: P722200
 CATALOG NUMBER: IFLD-S-SA3E-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°	5416.1	5183.9	4933.2	4675.5	4396.9	4102.1	3809.6	3505.5	3203.7	2892.6	2560.6
-25°	4858.9	4654.6	4424.8	4174.1	3925.7	3668.0	3389.4	3113.1	2855.5	2586.2	2314.5
-27.5°	4276.2	4088.2	3879.2	3661.0	3447.4	3231.5	2990.1	2734.7	2521.2	2298.3	2073.1
-30°	3663.3	3512.4	3343.0	3152.6	2987.8	2813.7	2611.7	2400.4	2205.4	2036.0	1854.9
-32.5°	3083.0	2955.3	2834.6	2709.2	2546.7	2412.1	2272.8	2117.2	1945.4	1785.2	1655.2
-35°	2583.8	2446.9	2395.8	2302.9	2186.9	2068.5	1966.3	1854.9	1724.9	1583.3	1476.5
-37.5°	2163.7	2082.4	2010.4	1959.4	1882.7	1787.6	1706.3	1625.1	1525.2	1418.4	1311.7
-40°	1836.3	1780.6	1701.7	1676.1	1627.4	1562.4	1478.8	1416.1	1348.8	1267.5	1177.0
-42.5°	1574.0	1532.2	1481.1	1437.0	1416.1	1369.7	1304.7	1244.3	1190.9	1135.2	1065.6
-45°	1358.1	1330.2	1297.7	1258.3	1242.0	1204.9	1158.4	1091.1	1060.9	1014.5	963.4
-47.5°	1184.0	1170.0	1146.8	1121.3	1098.1	1070.2	1028.4	986.6	944.9	914.7	875.2
-50°	1047.0	1037.7	1023.8	1002.9	972.7	954.1	926.3	889.1	849.7	824.1	796.3
-52.5°	937.9	928.6	919.3	903.1	879.9	861.3	838.1	807.9	775.4	749.8	726.6
-55°	854.3	840.4	833.4	819.5	800.9	780.0	759.1	738.2	710.4	687.2	664.0
-57.5°	789.3	770.7	761.5	749.8	731.3	710.4	694.1	673.2	654.7	629.1	608.2
-60°	738.2	717.3	698.8	687.2	670.9	650.0	633.8	617.5	599.0	578.1	552.5
-62.5°	696.5	670.9	645.4	631.5	615.2	596.6	580.4	564.1	545.6	524.7	501.4
-65°	657.0	626.8	594.3	580.4	564.1	545.6	524.7	513.1	496.8	478.2	455.0
-67.5°	608.2	575.7	547.9	531.6	515.4	499.1	480.6	468.9	452.7	429.5	406.3
-70°	536.3	515.4	496.8	482.9	468.9	455.0	436.4	417.9	399.3	378.4	357.5
-72.5°	445.7	438.8	436.4	429.5	413.2	397.0	378.4	359.8	343.6	327.3	311.1
-75°	359.8	364.5	369.1	366.8	350.5	334.3	318.0	301.8	290.2	276.3	262.3
-77.5°	285.5	290.2	294.8	294.8	283.2	273.9	262.3	250.7	241.4	229.8	215.9
-80°	220.5	227.5	234.5	239.1	229.8	222.9	213.6	204.3	195.0	185.7	176.4
-82.5°	167.1	174.1	181.1	185.7	178.8	174.1	167.1	160.2	153.2	143.9	137.0
-85°	120.7	125.4	130.0	132.3	127.7	123.0	118.4	113.8	109.1	102.1	97.5
-87.5°	69.6	72.0	74.3	76.6	72.0	67.3	65.0	60.4	58.0	53.4	51.1
-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: P722200
 CATALOG NUMBER: IFLD-S-SA3E-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°	58.0	53.4	48.8	46.4	41.8	34.8	30.2	25.5	20.9	16.3	13.9
85°	123.0	111.4	97.5	90.5	81.3	72.0	62.7	53.4	44.1	34.8	25.5
82.5°	211.3	197.3	183.4	167.1	146.3	120.7	95.2	78.9	65.0	51.1	39.5
80°	318.0	292.5	269.3	248.4	225.2	192.7	157.9	125.4	88.2	67.3	51.1
77.5°	441.1	410.9	378.4	343.6	306.4	262.3	222.9	181.1	137.0	92.9	65.0
75°	580.4	540.9	496.8	448.1	399.3	341.3	285.5	236.8	185.7	130.0	78.9
72.5°	735.9	687.2	633.8	568.8	492.2	424.8	357.5	292.5	232.2	164.8	106.8
70°	935.6	859.0	780.0	710.4	612.9	506.1	427.2	352.9	276.3	202.0	134.6
67.5°	1149.1	1056.3	961.1	859.0	735.9	610.6	496.8	413.2	322.7	236.8	160.2
65°	1381.3	1265.2	1144.5	1030.8	861.3	712.7	585.0	471.3	366.8	269.3	185.7
62.5°	1620.4	1483.4	1344.2	1195.6	1000.6	817.2	668.6	536.3	408.6	299.5	208.9
60°	1875.8	1715.6	1546.1	1360.4	1132.9	930.9	747.5	603.6	452.7	329.7	234.5
57.5°	2145.1	1971.0	1771.3	1520.6	1269.9	1040.0	838.1	664.0	492.2	357.5	253.0
55°	2437.6	2237.9	2019.7	1687.7	1404.5	1149.1	928.6	724.3	533.9	380.7	271.6
52.5°	2753.3	2521.2	2244.9	1864.2	1546.1	1260.6	1012.2	777.7	573.4	406.3	287.9
50°	3106.2	2813.7	2442.2	2026.7	1669.2	1365.0	1095.8	835.7	605.9	434.1	301.8
47.5°	3473.0	3157.3	2618.7	2177.6	1794.5	1467.2	1181.7	886.8	638.4	457.3	315.7
45°	3856.0	3396.4	2802.1	2312.2	1903.6	1560.1	1246.7	933.2	677.9	478.2	327.3
42.5°	4234.4	3577.5	2962.3	2446.9	2005.8	1643.6	1300.0	977.4	710.4	499.1	338.9
40°	4413.2	3714.4	3089.9	2539.7	2091.7	1717.9	1346.5	1016.8	738.2	513.1	350.5
37.5°	4487.5	3798.0	3173.5	2628.0	2159.0	1757.4	1385.9	1051.6	761.5	527.0	359.8
35°	4503.7	3828.2	3215.3	2688.3	2214.7	1794.5	1416.1	1077.2	780.0	540.9	369.1
32.5°	4473.6	3818.9	3226.9	2709.2	2249.5	1822.4	1437.0	1095.8	794.0	554.8	378.4
30°	4406.2	3770.1	3185.1	2706.9	2275.1	1838.6	1450.9	1109.7	807.9	564.1	383.0
27.5°	4297.1	3684.2	3131.7	2709.2	2289.0	1845.6	1457.9	1116.6	817.2	571.1	392.3
25°	4162.5	3568.2	3134.0	2704.6	2291.3	1847.9	1457.9	1116.6	819.5	573.4	399.3
22.5°	4006.9	3568.2	3134.0	2697.6	2277.4	1843.3	1450.9	1112.0	819.5	578.1	406.3
20°	4016.2	3570.5	3127.1	2683.7	2256.5	1829.4	1434.7	1100.4	812.5	585.0	410.9
17.5°	4023.2	3565.8	3113.1	2665.1	2228.7	1806.1	1413.8	1084.1	812.5	592.0	413.2
15°	4023.2	3551.9	3092.3	2637.2	2193.8	1773.6	1383.6	1070.2	814.9	594.3	417.9
12.5°	4016.2	3526.4	3059.8	2600.1	2152.0	1734.2	1365.0	1065.6	814.9	596.6	417.9
10°	4002.3	3491.6	3018.0	2553.7	2112.6	1720.2	1355.8	1056.3	810.2	596.6	417.9
7.5°	3976.8	3449.8	2983.1	2525.8	2089.4	1704.0	1341.8	1042.4	803.2	592.0	422.5
5°	3937.3	3426.6	2955.3	2493.3	2056.9	1692.4	1332.5	1030.8	798.6	592.0	417.9
2.5°	3886.2	3398.7	2922.8	2451.5	2019.7	1652.9	1302.4	1005.2	782.3	582.7	413.2
0°	3802.6	3343.0	2867.1	2393.5	1968.6	1613.5	1272.2	979.7	766.1	573.4	408.6
-2.5°	3726.0	3268.7	2795.1	2333.1	1919.9	1578.6	1249.0	965.7	759.1	571.1	406.3
-5°	3619.2	3166.5	2699.9	2254.2	1854.9	1543.8	1225.8	949.5	752.2	566.4	406.3
-7.5°	3500.8	3059.8	2600.1	2172.9	1789.9	1483.4	1181.7	924.0	735.9	557.2	403.9
-10°	3317.4	2899.6	2474.7	2080.1	1720.2	1430.1	1144.5	900.7	722.0	547.9	394.7
-12.5°	3122.4	2723.1	2330.8	1966.3	1641.3	1374.3	1102.7	875.2	705.7	538.6	390.0
-15°	2915.8	2542.1	2179.9	1847.9	1555.4	1307.0	1058.6	847.4	689.5	527.0	383.0
-17.5°	2699.9	2351.7	2024.4	1727.2	1469.5	1237.4	1012.2	821.8	670.9	515.4	376.1
-20°	2472.4	2156.7	1866.5	1604.2	1379.0	1167.7	963.4	791.6	650.0	501.4	366.8



REPORT NUMBER: P722200
 CATALOG NUMBER: IFLD-S-SA3E-830-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	2247.2	1964.0	1704.0	1483.4	1286.1	1095.8	914.7	761.5	626.8	485.2	359.8
-25°	2047.6	1782.9	1560.1	1367.4	1195.6	1026.1	863.6	731.3	601.3	468.9	350.5
-27.5°	1852.6	1627.4	1418.4	1258.3	1107.4	958.8	814.9	698.8	575.7	450.4	341.3
-30°	1671.5	1478.8	1307.0	1151.5	1023.8	898.4	773.1	666.3	547.9	431.8	329.7
-32.5°	1506.7	1351.1	1207.2	1058.6	944.9	838.1	733.6	633.8	520.0	413.2	318.0
-35°	1353.4	1232.7	1107.4	982.0	865.9	782.3	691.8	599.0	494.5	392.3	306.4
-37.5°	1216.5	1119.0	1019.1	912.4	812.5	729.0	652.3	564.1	468.9	373.8	294.8
-40°	1098.1	1019.1	930.9	845.0	761.5	682.5	612.9	529.3	443.4	359.8	283.2
-42.5°	989.0	928.6	856.6	784.7	710.4	640.7	573.4	492.2	417.9	343.6	271.6
-45°	905.4	845.0	787.0	722.0	659.3	599.0	531.6	459.7	394.7	325.0	260.0
-47.5°	826.5	773.1	719.7	666.3	615.2	559.5	492.2	431.8	369.1	308.8	250.7
-50°	756.8	705.7	659.3	612.9	568.8	515.4	452.7	403.9	348.2	292.5	239.1
-52.5°	691.8	647.7	601.3	564.1	527.0	473.6	422.5	376.1	327.3	273.9	227.5
-55°	633.8	592.0	550.2	515.4	480.6	434.1	392.3	352.9	306.4	260.0	215.9
-57.5°	578.1	543.2	503.8	471.3	436.4	399.3	364.5	327.3	285.5	246.1	204.3
-60°	527.0	494.5	459.7	427.2	397.0	366.8	334.3	304.1	267.0	229.8	192.7
-62.5°	475.9	448.1	417.9	385.4	362.2	334.3	308.8	278.6	248.4	215.9	171.8
-65°	429.5	403.9	376.1	348.2	327.3	306.4	283.2	255.4	229.8	199.7	153.2
-67.5°	383.0	359.8	336.6	313.4	294.8	278.6	255.4	234.5	213.6	181.1	134.6
-70°	338.9	320.4	299.5	280.9	267.0	248.4	232.2	213.6	195.0	157.9	113.8
-72.5°	297.2	278.6	262.3	248.4	236.8	220.5	206.6	192.7	167.1	132.3	95.2
-75°	248.4	236.8	227.5	215.9	204.3	192.7	181.1	164.8	139.3	106.8	74.3
-77.5°	204.3	197.3	190.4	181.1	171.8	162.5	148.6	132.3	111.4	83.6	60.4
-80°	167.1	160.2	155.5	146.3	139.3	130.0	116.1	102.1	81.3	65.0	48.8
-82.5°	127.7	123.0	118.4	113.8	106.8	97.5	83.6	72.0	60.4	48.8	37.1
-85°	90.5	88.2	83.6	78.9	72.0	65.0	55.7	48.8	41.8	32.5	25.5
-87.5°	46.4	44.1	41.8	39.5	37.1	32.5	27.9	23.2	20.9	16.3	11.6
-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: P722200
 CATALOG NUMBER: IFLD-S-SA3E-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	9.3	7.0	2.3	0.0
85°	18.6	11.6	4.6	0.0
82.5°	27.9	18.6	7.0	0.0
80°	37.1	23.2	11.6	0.0
77.5°	46.4	27.9	13.9	0.0
75°	55.7	34.8	16.3	0.0
72.5°	62.7	39.5	18.6	0.0
70°	74.3	46.4	20.9	0.0
67.5°	92.9	51.1	23.2	0.0
65°	109.1	55.7	25.5	0.0
62.5°	127.7	60.4	27.9	0.0
60°	143.9	65.0	30.2	0.0
57.5°	160.2	76.6	32.5	0.0
55°	174.1	85.9	34.8	0.0
52.5°	190.4	95.2	37.1	0.0
50°	204.3	104.5	39.5	0.0
47.5°	215.9	113.8	39.5	0.0
45°	225.2	120.7	41.8	0.0
42.5°	232.2	127.7	44.1	0.0
40°	239.1	134.6	46.4	0.0
37.5°	246.1	141.6	46.4	0.0
35°	253.0	148.6	48.8	0.0
32.5°	260.0	155.5	48.8	0.0
30°	264.7	160.2	51.1	0.0
27.5°	271.6	164.8	51.1	0.0
25°	273.9	169.5	53.4	0.0
22.5°	278.6	171.8	53.4	0.0
20°	283.2	176.4	53.4	0.0
17.5°	285.5	178.8	55.7	0.0
15°	285.5	181.1	58.0	0.0
12.5°	287.9	183.4	58.0	0.0
10°	287.9	188.0	55.7	0.0
7.5°	292.5	185.7	55.7	0.0
5°	290.2	185.7	55.7	0.0
2.5°	287.9	183.4	55.7	0.0
0°	285.5	183.4	55.7	0.0
-2.5°	285.5	183.4	55.7	0.0
-5°	285.5	183.4	55.7	0.0
-7.5°	283.2	185.7	55.7	0.0
-10°	278.6	185.7	55.7	0.0
-12.5°	276.3	178.8	55.7	0.0
-15°	273.9	176.4	55.7	0.0
-17.5°	269.3	174.1	53.4	0.0
-20°	264.7	171.8	53.4	0.0



REPORT NUMBER: P722200
 CATALOG NUMBER: IFLD-S-SA3E-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	260.0	167.1	53.4	0.0
-25°	255.4	162.5	51.1	0.0
-27.5°	250.7	157.9	51.1	0.0
-30°	243.8	153.2	48.8	0.0
-32.5°	236.8	148.6	48.8	0.0
-35°	232.2	141.6	46.4	0.0
-37.5°	225.2	134.6	46.4	0.0
-40°	218.2	127.7	44.1	0.0
-42.5°	211.3	120.7	41.8	0.0
-45°	202.0	113.8	41.8	0.0
-47.5°	195.0	106.8	39.5	0.0
-50°	183.4	97.5	37.1	0.0
-52.5°	169.5	88.2	34.8	0.0
-55°	155.5	81.3	32.5	0.0
-57.5°	141.6	72.0	32.5	0.0
-60°	127.7	62.7	30.2	0.0
-62.5°	113.8	58.0	27.9	0.0
-65°	99.8	53.4	25.5	0.0
-67.5°	83.6	46.4	23.2	0.0
-70°	69.6	41.8	20.9	0.0
-72.5°	60.4	37.1	18.6	0.0
-75°	51.1	32.5	16.3	0.0
-77.5°	44.1	27.9	13.9	0.0
-80°	34.8	20.9	9.3	0.0
-82.5°	25.5	16.3	7.0	0.0
-85°	16.3	11.6	4.6	0.0
-87.5°	9.3	4.6	2.3	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)