

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: P722210

Luminaire Tested: **IFLD-M-SA4E-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722210
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

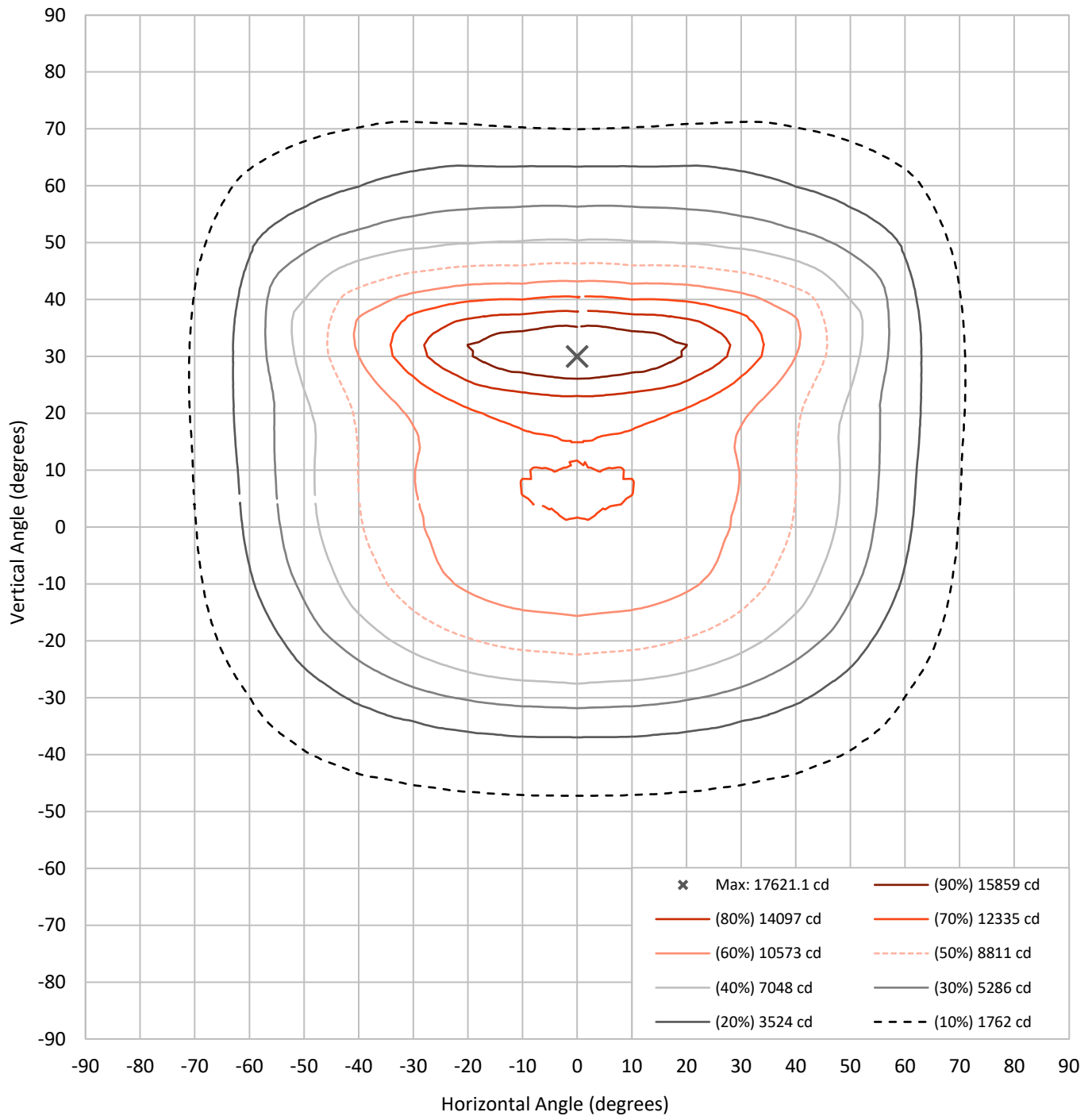
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	29414 lumens	Max Intensity:	17621.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	93.4 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	17104.6 lumens	Field Lumens:	27564.7 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: P722210
CATALOG NUMBER: IFLD-M-SA4E-830-U-76

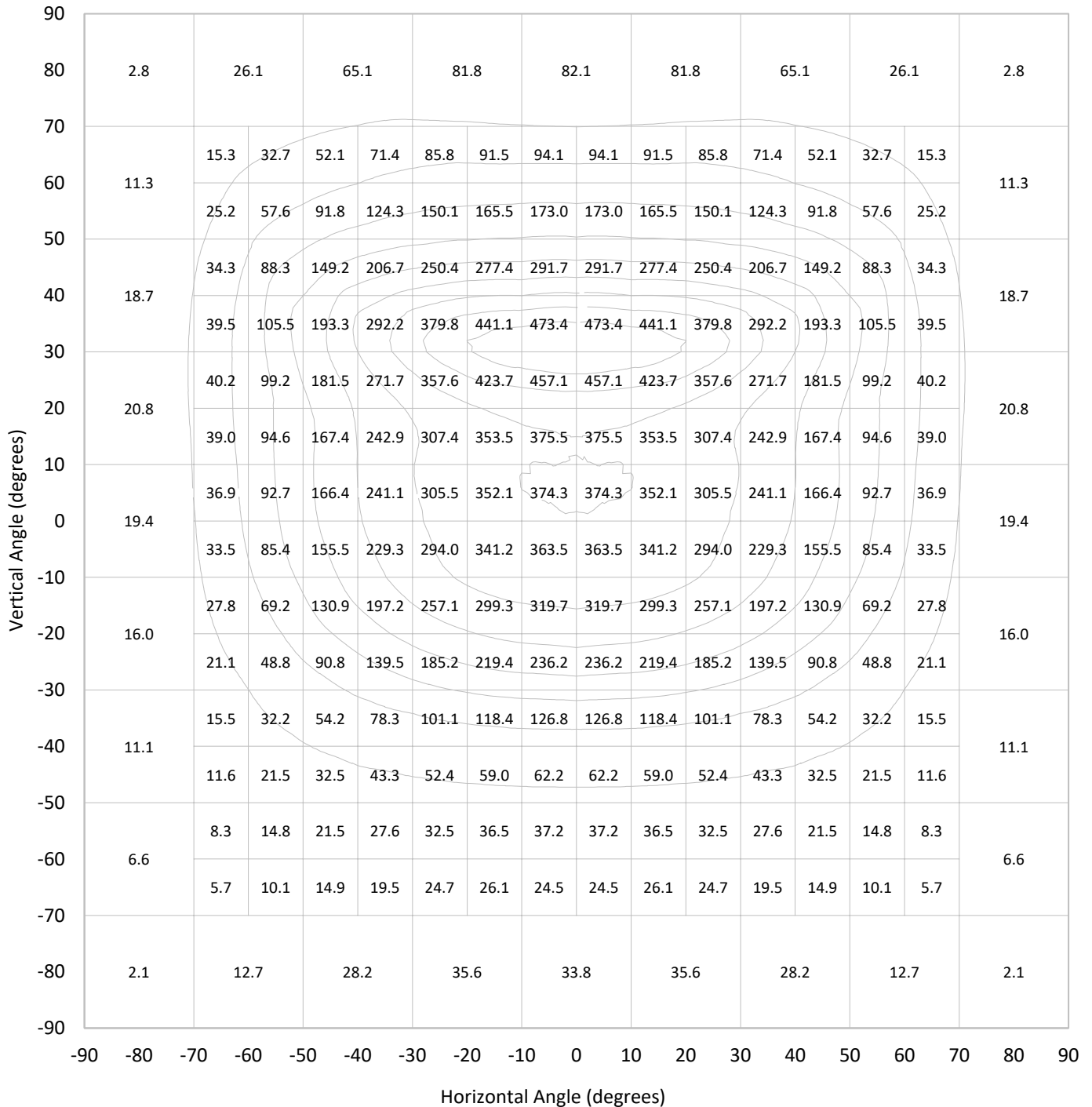
Iso-Candela Plot





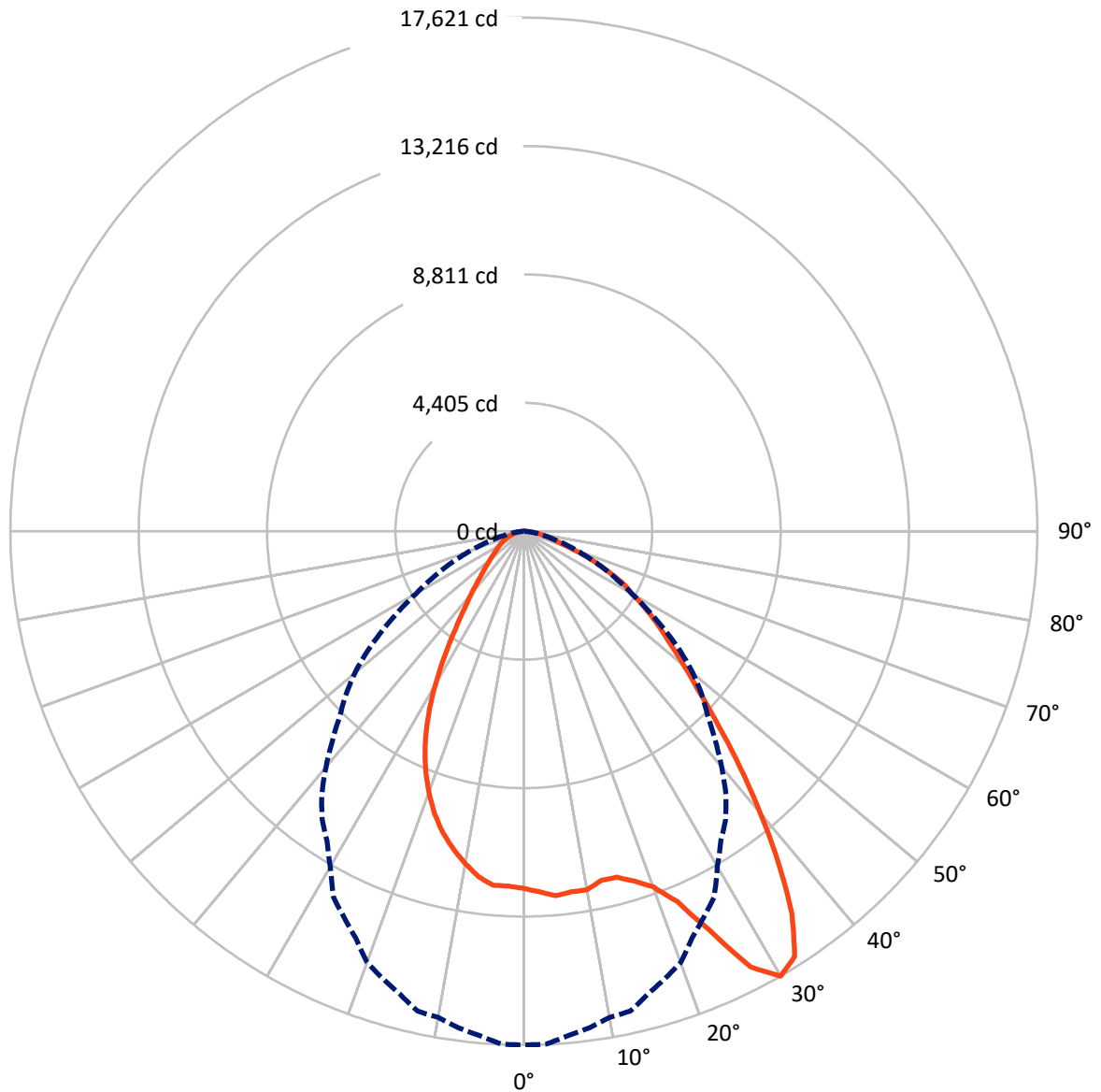
REPORT NUMBER: P722210
 CATALOG NUMBER: IFLD-M-SA4E-830-U-76

Lumen Table



REPORT NUMBER: P722210
CATALOG NUMBER: IFLD-M-SA4E-830-U-76

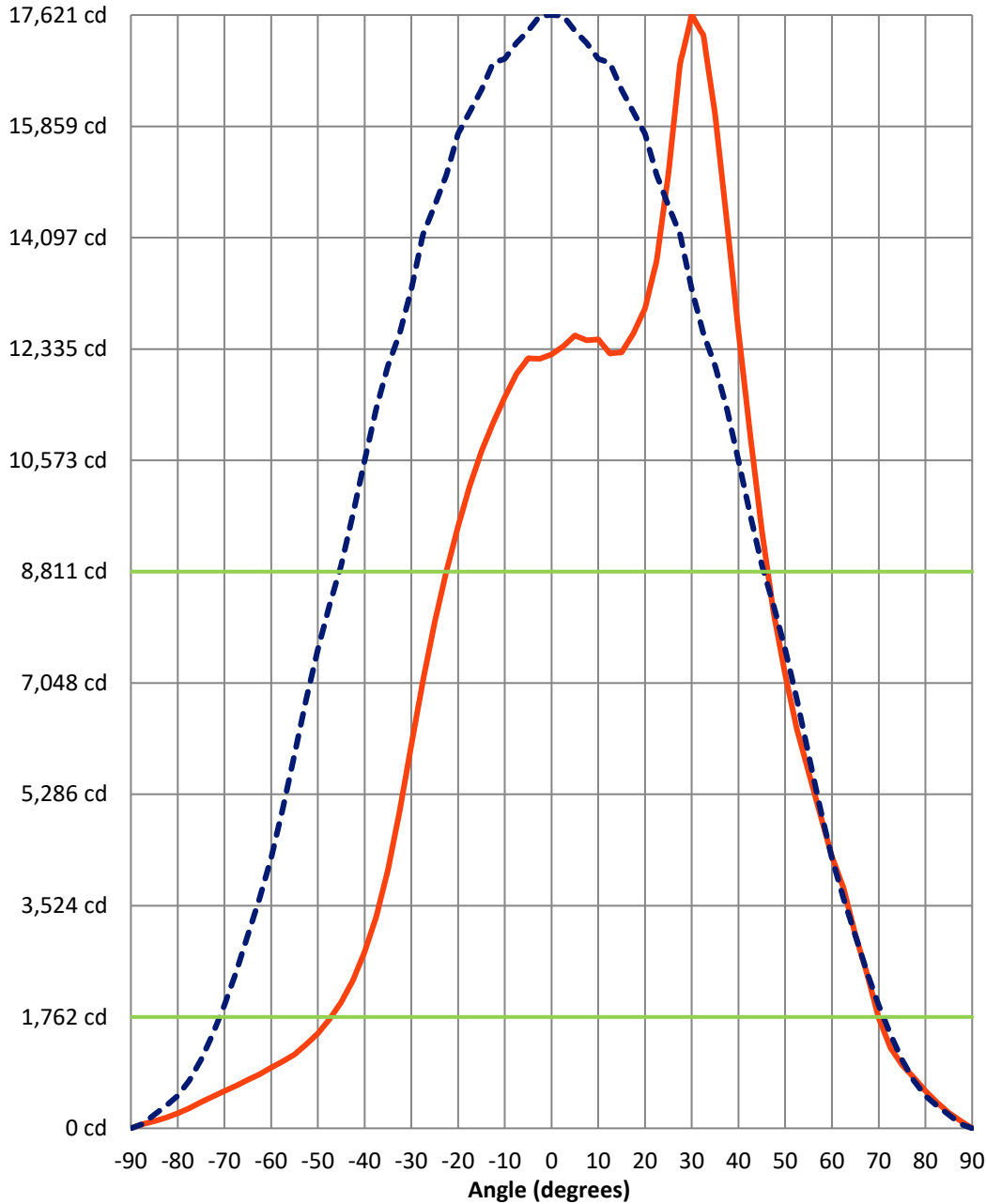
Luminous Intensity Polar Plot



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

REPORT NUMBER: P722210
 CATALOG NUMBER: IFLD-M-SA4E-830-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 17104.6
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 27564.7
 Efficiency: 93.7%

Spill:
 Lumens: 1849.3
 Efficiency: 6.3%

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



REPORT NUMBER: P722210
 CATALOG NUMBER: IFLD-M-SA4E-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°	118.4	121.5	124.6	124.6	121.5	121.5	121.5	118.4	121.5	121.5	121.5
85°	246.2	252.4	258.6	255.5	252.4	246.2	239.9	243.0	246.2	249.3	249.3
82.5°	408.2	417.5	423.8	420.7	414.4	408.2	402.0	405.1	411.3	414.4	414.4
80°	592.0	595.2	598.3	604.5	595.2	595.2	592.0	604.5	610.7	617.0	623.2
77.5°	803.9	807.0	807.0	810.2	813.3	816.4	816.4	838.2	853.8	863.1	872.5
75°	1003.4	1012.7	1022.1	1031.4	1043.9	1050.1	1059.4	1090.6	1115.5	1134.2	1152.9
72.5°	1277.6	1290.0	1305.6	1327.4	1349.2	1364.8	1386.6	1424.0	1452.1	1470.8	1492.6
70°	1748.1	1760.6	1776.1	1791.7	1813.5	1829.1	1850.9	1897.7	1925.7	1938.2	1950.6
67.5°	2446.1	2477.2	2505.3	2474.1	2458.5	2436.7	2443.0	2486.6	2514.6	2533.3	2530.2
65°	3066.2	3088.0	3088.0	3084.9	3072.4	3044.3	3059.9	3112.9	3144.1	3159.6	3112.9
62.5°	3795.3	3795.3	3779.7	3804.7	3807.8	3789.1	3779.7	3782.8	3786.0	3795.3	3717.4
60°	4300.1	4331.3	4340.6	4362.4	4368.7	4368.7	4384.2	4396.7	4396.7	4378.0	4287.6
57.5°	4966.9	5026.1	5038.6	5023.0	4991.9	4951.4	4945.1	4926.4	4889.0	4851.6	4808.0
55°	5640.0	5671.2	5668.0	5658.7	5627.5	5580.8	5587.0	5562.1	5502.9	5456.1	5396.9
52.5°	6316.2	6391.0	6403.4	6384.7	6341.1	6291.2	6294.4	6266.3	6207.1	6157.3	6076.2
50°	7179.3	7241.6	7235.4	7204.2	7141.9	7104.5	7107.6	7054.7	6986.1	6970.5	6864.6
47.5°	8167.1	8238.8	8226.3	8182.7	8098.5	8083.0	8098.5	8030.0	7989.5	7955.2	7830.6
45°	9463.3	9547.5	9500.7	9416.6	9282.6	9298.2	9320.0	9307.5	9220.3	9129.9	8971.0
42.5°	10984.0	11036.9	10980.8	10896.7	10728.5	10759.6	10747.1	10672.4	10619.4	10469.8	10267.3
40°	12610.5	12725.8	12638.6	12507.7	12333.2	12379.9	12345.7	12249.1	12124.4	11937.5	11682.0
37.5°	14364.8	14455.2	14355.5	14202.8	14047.0	14031.4	13962.9	13813.3	13635.7	13430.0	13021.8
35°	16044.4	16278.1	16094.2	15851.2	15661.1	15589.4	15524.0	15178.1	14975.6	14642.2	14084.4
32.5°	17293.9	17465.3	17237.8	16985.4	16754.8	16655.1	16424.5	16013.2	15904.2	15203.1	14692.0
30°	17621.1	17608.6	17371.8	17178.6	16929.3	16860.8	16437.0	16088.0	15739.0	15090.9	14604.8
27.5°	16842.1	16764.2	16536.7	16368.4	16122.3	16041.3	15623.7	15436.8	14897.7	14349.3	13937.9
25°	15106.5	15147.0	14975.6	14891.5	14729.4	14554.9	14389.8	14137.4	13800.8	13321.0	12943.9
22.5°	13738.5	13791.5	13719.8	13620.1	13495.5	13398.9	13274.2	13077.9	12753.9	12457.8	12102.6
20°	12978.2	12962.6	12900.3	12825.5	12707.1	12638.6	12501.5	12336.3	12087.0	11831.5	11448.3
17.5°	12579.4	12482.8	12423.6	12395.5	12333.2	12246.0	12083.9	11915.7	11722.5	11432.7	11152.2
15°	12283.3	12298.9	12252.2	12230.4	12180.5	12059.0	11893.8	11756.7	11495.0	11348.5	11093.0
12.5°	12264.6	12249.1	12252.2	12242.8	12180.5	12024.7	11940.6	11766.1	11597.8	11404.6	11111.7
10°	12485.9	12320.7	12333.2	12376.8	12277.1	12152.5	12062.1	11872.0	11713.1	11466.9	11177.2
7.5°	12473.4	12389.3	12414.2	12342.5	12373.7	12221.0	12096.4	11906.3	11706.9	11445.1	11183.4
5°	12548.2	12420.4	12398.6	12404.9	12327.0	12211.7	12043.4	11862.7	11675.7	11382.8	11114.8
2.5°	12376.8	12395.5	12295.8	12258.4	12249.1	12055.9	11900.1	11725.6	11532.4	11273.8	11033.8
0°	12249.1	12283.3	12180.5	12127.5	12124.4	11959.3	11859.6	11660.1	11523.0	11308.0	11018.2
-2.5°	12180.5	12221.0	12233.5	12136.9	12043.4	11915.7	11747.4	11532.4	11308.0	11058.7	10809.5
-5°	12186.7	12105.7	12071.5	12102.6	12021.6	11893.8	11706.9	11516.8	11295.6	11027.6	10716.0
-7.5°	11940.6	11859.6	11853.3	11837.8	11819.1	11697.5	11541.7	11336.1	11111.7	10862.4	10572.6
-10°	11572.9	11513.7	11498.1	11482.5	11432.7	11361.0	11214.5	11027.6	10825.0	10575.8	10267.3
-12.5°	11164.7	11136.6	11077.4	11036.9	10987.1	10902.9	10762.7	10591.3	10388.8	10167.6	9902.7
-15°	10712.9	10659.9	10600.7	10566.4	10494.7	10395.0	10254.8	10095.9	9874.7	9656.5	9407.3
-17.5°	10167.6	10102.1	10036.7	10027.3	9977.5	9824.8	9693.9	9500.7	9307.5	9098.8	8855.7
-20°	9525.7	9435.3	9391.7	9366.8	9298.2	9186.0	9045.8	8868.2	8681.2	8481.8	8201.4



REPORT NUMBER: P722210
 CATALOG NUMBER: IFLD-M-SA4E-830-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	8815.2	8737.3	8662.5	8615.8	8556.6	8469.3	8335.3	8179.5	7995.7	7771.3	7512.7
-25°	8008.2	7899.1	7852.4	7799.4	7768.2	7687.2	7556.3	7413.0	7222.9	7004.8	6758.6
-27.5°	7085.8	6998.6	6973.6	6898.9	6861.5	6777.3	6668.3	6534.3	6359.8	6154.1	5951.6
-30°	6066.9	6013.9	5973.4	5898.6	5870.6	5780.2	5708.5	5596.4	5437.5	5291.0	5129.0
-32.5°	5019.9	4966.9	4954.5	4920.2	4901.5	4842.3	4761.3	4680.3	4552.5	4443.4	4312.6
-35°	4091.3	4053.9	4057.1	4053.9	4035.2	3991.6	3891.9	3870.1	3776.6	3676.9	3592.8
-37.5°	3349.7	3352.8	3349.7	3346.6	3321.7	3303.0	3231.3	3203.3	3147.2	3050.6	3000.7
-40°	2792.0	2798.2	2795.1	2788.8	2760.8	2751.4	2704.7	2667.3	2645.5	2576.9	2524.0
-42.5°	2340.1	2349.5	2346.4	2343.2	2324.5	2321.4	2296.5	2252.9	2240.4	2199.9	2143.8
-45°	1997.4	1994.3	1988.0	1994.3	1984.9	1975.6	1960.0	1931.9	1916.4	1897.7	1850.9
-47.5°	1726.3	1729.4	1723.2	1723.2	1710.7	1701.3	1695.1	1676.4	1664.0	1648.4	1620.3
-50°	1501.9	1514.4	1511.3	1508.2	1498.8	1492.6	1492.6	1473.9	1455.2	1448.9	1430.3
-52.5°	1327.4	1336.8	1339.9	1346.1	1349.2	1352.4	1343.0	1324.3	1293.1	1290.0	1280.7
-55°	1168.5	1196.6	1215.2	1227.7	1240.2	1249.5	1230.8	1205.9	1174.7	1162.3	1159.2
-57.5°	1059.4	1087.5	1109.3	1128.0	1143.6	1159.2	1140.5	1115.5	1087.5	1071.9	1068.8
-60°	959.7	984.7	1006.5	1031.4	1053.2	1078.1	1068.8	1050.1	1034.5	1022.1	1009.6
-62.5°	853.8	878.7	903.6	934.8	962.8	987.8	990.9	987.8	984.7	987.8	966.0
-65°	766.5	779.0	794.6	828.9	860.0	888.1	903.6	913.0	928.6	944.2	922.3
-67.5°	673.1	688.6	707.3	732.3	757.2	775.9	797.7	822.6	847.6	872.5	856.9
-70°	588.9	601.4	617.0	629.4	645.0	657.5	676.2	704.2	732.3	757.2	751.0
-72.5°	501.7	514.1	523.5	529.7	539.1	545.3	554.7	579.6	598.3	610.7	610.7
-75°	414.4	426.9	436.2	439.4	445.6	448.7	454.9	464.3	473.6	476.8	479.9
-77.5°	317.8	330.3	339.6	345.9	352.1	358.3	361.5	367.7	370.8	370.8	373.9
-80°	236.8	246.2	252.4	261.7	264.9	271.1	277.3	280.4	283.6	283.6	286.7
-82.5°	168.3	174.5	180.7	187.0	193.2	196.3	202.5	205.7	208.8	211.9	215.0
-85°	112.2	118.4	124.6	130.9	134.0	137.1	140.2	143.3	146.5	149.6	152.7
-87.5°	65.4	68.6	71.7	77.9	81.0	87.2	90.4	87.2	90.4	90.4	90.4
-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: P722210
 CATALOG NUMBER: IFLD-M-SA4E-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°	121.5	121.5	121.5	121.5	118.4	112.2	109.1	102.8	96.6	90.4	84.1
85°	252.4	255.5	255.5	255.5	249.3	246.2	236.8	227.5	215.0	196.3	180.7
82.5°	420.7	423.8	423.8	420.7	414.4	405.1	392.6	377.0	352.1	327.2	305.4
80°	632.6	635.7	635.7	632.6	617.0	601.4	585.8	567.1	536.0	501.7	464.3
77.5°	884.9	891.2	891.2	881.8	860.0	841.3	816.4	785.2	738.5	688.6	638.8
75°	1177.9	1193.4	1196.6	1187.2	1159.2	1124.9	1084.4	1031.4	959.7	897.4	838.2
72.5°	1517.5	1533.1	1545.5	1533.1	1492.6	1445.8	1386.6	1324.3	1252.6	1168.5	1068.8
70°	1963.1	1978.7	1988.0	1947.5	1875.8	1797.9	1726.3	1654.6	1570.5	1467.6	1358.6
67.5°	2524.0	2508.4	2489.7	2408.7	2318.3	2224.8	2125.1	2019.2	1910.1	1801.1	1673.3
65°	3063.0	3019.4	2978.9	2882.3	2767.0	2645.5	2530.2	2411.8	2280.9	2143.8	2022.3
62.5°	3630.2	3536.7	3437.0	3318.6	3200.2	3066.2	2950.9	2810.6	2664.2	2495.9	2340.1
60°	4187.9	4075.8	3976.0	3829.6	3673.8	3493.1	3368.4	3231.3	3059.9	2879.2	2695.4
57.5°	4727.0	4605.5	4496.4	4368.7	4200.4	4004.1	3867.0	3689.4	3508.6	3281.2	3094.2
55°	5300.3	5178.8	5091.6	4948.2	4764.4	4583.7	4434.1	4247.1	3994.7	3751.7	3521.1
52.5°	5957.8	5861.2	5767.7	5621.3	5400.1	5216.2	5051.1	4842.3	4577.4	4278.3	4001.0
50°	6693.2	6643.4	6543.6	6372.3	6119.9	5957.8	5739.7	5462.4	5178.8	4864.1	4518.2
47.5°	7668.5	7587.5	7447.3	7260.3	7048.4	6805.4	6512.5	6188.4	5786.4	5437.5	5069.8
45°	8833.9	8684.3	8503.6	8251.2	7989.5	7715.3	7394.3	6983.0	6443.9	5989.0	5602.6
42.5°	10095.9	9893.4	9647.2	9316.9	8977.2	8640.7	8294.8	7734.0	7060.9	6537.4	6101.2
40°	11414.0	11155.3	10846.9	10367.0	9990.0	9556.8	9161.1	8322.9	7606.2	7039.1	6574.8
37.5°	12704.0	12376.8	11859.6	11276.9	10837.5	10482.3	9612.9	8715.5	8073.6	7450.4	6979.9
35°	13691.8	13414.5	12501.5	11897.0	11519.9	10959.0	9871.5	8952.3	8273.0	7755.8	7023.5
32.5°	14277.6	13560.9	12760.1	12149.4	11837.8	10918.5	9890.2	9020.9	8366.5	7786.9	6911.3
30°	14146.7	13280.5	12579.4	12068.3	11392.2	10566.4	9715.7	8914.9	8279.3	7578.2	6786.7
27.5°	13358.4	12688.4	12062.1	11529.3	10865.6	10123.9	9338.7	8634.5	8042.4	7363.2	6615.3
25°	12467.2	11859.6	11395.3	10931.0	10301.6	9594.2	8902.5	8394.6	7799.4	7129.4	6391.0
22.5°	11647.7	11211.4	10846.9	10360.8	9746.9	9129.9	8699.9	8173.3	7562.6	6883.3	6160.4
20°	11124.2	10828.2	10410.6	9874.7	9391.7	9005.3	8528.5	7970.8	7341.3	6630.9	5964.1
17.5°	10871.8	10529.0	10064.7	9715.7	9344.9	8921.2	8388.3	7796.3	7126.3	6515.6	5985.9
15°	10740.9	10379.5	10074.1	9731.3	9313.8	8868.2	8276.1	7662.3	7126.3	6562.3	6001.5
12.5°	10769.0	10457.4	10123.9	9750.0	9301.3	8824.6	8288.6	7718.4	7163.7	6596.6	6004.6
10°	10856.2	10529.0	10173.8	9759.4	9307.5	8837.0	8322.9	7752.7	7182.4	6612.2	5998.3
7.5°	10887.4	10532.1	10152.0	9734.4	9292.0	8830.8	8329.1	7762.0	7185.5	6609.1	5979.6
5°	10790.8	10469.8	10102.1	9681.5	9248.3	8799.6	8304.2	7749.5	7160.6	6577.9	5932.9
2.5°	10659.9	10401.3	10049.2	9644.1	9204.7	8756.0	8263.7	7693.4	7104.5	6521.8	5873.7
0°	10638.1	10317.1	9961.9	9600.5	9133.0	8659.4	8170.2	7587.5	7001.7	6415.9	5770.9
-2.5°	10494.7	10155.1	9799.9	9407.3	8995.9	8519.2	8005.1	7434.8	6855.2	6278.8	5658.7
-5°	10385.7	10008.7	9631.6	9207.8	8793.4	8316.7	7783.8	7229.2	6662.0	6101.2	5502.9
-7.5°	10239.2	9852.8	9457.1	9014.6	8565.9	8079.8	7553.2	6998.6	6440.8	5883.0	5309.7
-10°	9943.2	9603.6	9232.8	8774.7	8301.1	7815.0	7291.5	6746.2	6188.4	5624.4	5047.9
-12.5°	9584.9	9226.5	8821.4	8400.8	7977.0	7525.2	7001.7	6465.7	5904.9	5337.7	4764.4
-15°	9120.6	8768.5	8354.0	7942.7	7534.5	7101.4	6640.2	6157.3	5587.0	5029.3	4455.9
-17.5°	8541.0	8210.7	7839.9	7447.3	7042.2	6606.0	6157.3	5749.1	5216.2	4692.7	4125.6
-20°	7917.8	7609.3	7275.9	6905.1	6500.0	6073.1	5649.3	5222.4	4761.3	4300.1	3773.5



REPORT NUMBER: P722210
 CATALOG NUMBER: IFLD-M-SA4E-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°	7269.7	6958.1	6621.5	6275.7	5901.7	5506.0	5113.4	4705.2	4300.1	3882.6	3437.0
-25°	6521.8	6247.6	5939.1	5602.6	5269.2	4923.3	4549.4	4178.6	3832.7	3471.2	3106.7
-27.5°	5739.7	5487.3	5206.9	4914.0	4627.3	4337.5	4013.4	3670.7	3384.0	3084.9	2782.6
-30°	4917.1	4714.5	4487.1	4231.6	4010.3	3776.6	3505.5	3222.0	2960.2	2732.7	2489.7
-32.5°	4138.1	3966.7	3804.7	3636.4	3418.3	3237.5	3050.6	2841.8	2611.2	2396.2	2221.7
-35°	3468.1	3284.3	3215.7	3091.1	2935.3	2776.4	2639.3	2489.7	2315.2	2125.1	1981.8
-37.5°	2904.1	2795.1	2698.5	2629.9	2527.1	2399.3	2290.3	2181.2	2047.2	1903.9	1760.6
-40°	2464.8	2390.0	2284.0	2249.8	2184.3	2097.1	1984.9	1900.8	1810.4	1701.3	1579.8
-42.5°	2112.7	2056.6	1988.0	1928.8	1900.8	1838.5	1751.2	1670.2	1598.5	1523.7	1430.3
-45°	1822.9	1785.5	1741.9	1688.9	1667.1	1617.2	1554.9	1464.5	1424.0	1361.7	1293.1
-47.5°	1589.2	1570.5	1539.3	1505.0	1473.9	1436.5	1380.4	1324.3	1268.2	1227.7	1174.7
-50°	1405.3	1392.9	1374.2	1346.1	1305.6	1280.7	1243.3	1193.4	1140.5	1106.2	1068.8
-52.5°	1258.9	1246.4	1233.9	1212.1	1181.0	1156.0	1124.9	1084.4	1040.8	1006.5	975.3
-55°	1146.7	1128.0	1118.7	1100.0	1075.0	1047.0	1018.9	990.9	953.5	922.3	891.2
-57.5°	1059.4	1034.5	1022.1	1006.5	981.5	953.5	931.7	903.6	878.7	844.4	816.4
-60°	990.9	962.8	937.9	922.3	900.5	872.5	850.7	828.9	803.9	775.9	741.6
-62.5°	934.8	900.5	866.3	847.6	825.7	800.8	779.0	757.2	732.3	704.2	673.1
-65°	881.8	841.3	797.7	779.0	757.2	732.3	704.2	688.6	666.8	641.9	610.7
-67.5°	816.4	772.8	735.4	713.6	691.8	669.9	645.0	629.4	607.6	576.5	545.3
-70°	719.8	691.8	666.8	648.1	629.4	610.7	585.8	560.9	536.0	507.9	479.9
-72.5°	598.3	588.9	585.8	576.5	554.7	532.8	507.9	483.0	461.2	439.4	417.5
-75°	483.0	489.2	495.4	492.3	470.5	448.7	426.9	405.1	389.5	370.8	352.1
-77.5°	383.3	389.5	395.7	395.7	380.2	367.7	352.1	336.5	324.1	308.5	289.8
-80°	296.0	305.4	314.7	320.9	308.5	299.1	286.7	274.2	261.7	249.3	236.8
-82.5°	224.4	233.7	243.0	249.3	239.9	233.7	224.4	215.0	205.7	193.2	183.8
-85°	162.0	168.3	174.5	177.6	171.4	165.1	158.9	152.7	146.5	137.1	130.9
-87.5°	93.5	96.6	99.7	102.8	96.6	90.4	87.2	81.0	77.9	71.7	68.6
-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: P722210
 CATALOG NUMBER: IFLD-M-SA4E-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°	77.9	71.7	65.4	62.3	56.1	46.7	40.5	34.3	28.0	21.8	18.7
85°	165.1	149.6	130.9	121.5	109.1	96.6	84.1	71.7	59.2	46.7	34.3
82.5°	283.6	264.9	246.2	224.4	196.3	162.0	127.8	105.9	87.2	68.6	53.0
80°	426.9	392.6	361.5	333.4	302.3	258.6	211.9	168.3	118.4	90.4	68.6
77.5°	592.0	551.5	507.9	461.2	411.3	352.1	299.1	243.0	183.8	124.6	87.2
75°	779.0	726.0	666.8	601.4	536.0	458.1	383.3	317.8	249.3	174.5	105.9
72.5°	987.8	922.3	850.7	763.4	660.6	570.2	479.9	392.6	311.6	221.2	143.3
70°	1255.8	1152.9	1047.0	953.5	822.6	679.3	573.3	473.6	370.8	271.1	180.7
67.5°	1542.4	1417.8	1290.0	1152.9	987.8	819.5	666.8	554.7	433.1	317.8	215.0
65°	1854.0	1698.2	1536.2	1383.5	1156.0	956.6	785.2	632.6	492.3	361.5	249.3
62.5°	2175.0	1991.1	1804.2	1604.7	1343.0	1096.8	897.4	719.8	548.4	402.0	280.4
60°	2517.7	2302.7	2075.3	1826.0	1520.6	1249.5	1003.4	810.2	607.6	442.5	314.7
57.5°	2879.2	2645.5	2377.5	2041.0	1704.5	1396.0	1124.9	891.2	660.6	479.9	339.6
55°	3271.8	3003.8	2710.9	2265.3	1885.2	1542.4	1246.4	972.2	716.7	511.0	364.6
52.5°	3695.6	3384.0	3013.2	2502.2	2075.3	1692.0	1358.6	1043.9	769.7	545.3	386.4
50°	4169.2	3776.6	3278.1	2720.3	2240.4	1832.2	1470.8	1121.8	813.3	582.7	405.1
47.5°	4661.6	4237.8	3514.9	2922.8	2408.7	1969.3	1586.1	1190.3	856.9	613.9	423.8
45°	5175.7	4558.7	3761.0	3103.6	2555.1	2094.0	1673.3	1252.6	909.9	641.9	439.4
42.5°	5683.6	4801.8	3976.0	3284.3	2692.2	2206.1	1745.0	1311.8	953.5	669.9	454.9
40°	5923.6	4985.6	4147.4	3408.9	2807.5	2305.9	1807.3	1364.8	990.9	688.6	470.5
37.5°	6023.3	5097.8	4259.6	3527.3	2897.9	2358.8	1860.3	1411.6	1022.1	707.3	483.0
35°	6045.1	5138.3	4315.7	3608.3	2972.7	2408.7	1900.8	1445.8	1047.0	726.0	495.4
32.5°	6004.6	5125.8	4331.3	3636.4	3019.4	2446.1	1928.8	1470.8	1065.7	744.7	507.9
30°	5914.2	5060.4	4275.2	3633.3	3053.7	2467.9	1947.5	1489.5	1084.4	757.2	514.1
27.5°	5767.7	4945.1	4203.5	3636.4	3072.4	2477.2	1956.9	1498.8	1096.8	766.5	526.6
25°	5587.0	4789.3	4206.6	3630.2	3075.5	2480.4	1956.9	1498.8	1100.0	769.7	536.0
22.5°	5378.2	4789.3	4206.6	3620.8	3056.8	2474.1	1947.5	1492.6	1100.0	775.9	545.3
20°	5390.7	4792.4	4197.3	3602.1	3028.8	2455.4	1925.7	1477.0	1090.6	785.2	551.5
17.5°	5400.1	4786.2	4178.6	3577.2	2991.4	2424.3	1897.7	1455.2	1090.6	794.6	554.7
15°	5400.1	4767.5	4150.5	3539.8	2944.6	2380.6	1857.1	1436.5	1093.7	797.7	560.9
12.5°	5390.7	4733.2	4106.9	3489.9	2888.5	2327.7	1832.2	1430.3	1093.7	800.8	560.9
10°	5372.0	4686.5	4050.8	3427.6	2835.6	2309.0	1819.8	1417.8	1087.5	800.8	560.9
7.5°	5337.7	4630.4	4004.1	3390.2	2804.4	2287.2	1801.1	1399.1	1078.1	794.6	567.1
5°	5284.8	4599.2	3966.7	3346.6	2760.8	2271.6	1788.6	1383.5	1071.9	794.6	560.9
2.5°	5216.2	4561.9	3923.1	3290.5	2710.9	2218.6	1748.1	1349.2	1050.1	782.1	554.7
0°	5104.0	4487.1	3848.3	3212.6	2642.4	2165.6	1707.6	1315.0	1028.3	769.7	548.4
-2.5°	5001.2	4387.4	3751.7	3131.6	2576.9	2118.9	1676.4	1296.3	1018.9	766.5	545.3
-5°	4857.9	4250.2	3623.9	3025.7	2489.7	2072.2	1645.3	1274.5	1009.6	760.3	545.3
-7.5°	4699.0	4106.9	3489.9	2916.6	2402.4	1991.1	1586.1	1240.2	987.8	747.8	542.2
-10°	4452.8	3891.9	3321.7	2792.0	2309.0	1919.5	1536.2	1209.0	969.1	735.4	529.7
-12.5°	4191.0	3655.1	3128.5	2639.3	2203.0	1844.7	1480.1	1174.7	947.3	722.9	523.5
-15°	3913.7	3412.0	2925.9	2480.4	2087.7	1754.3	1420.9	1137.3	925.5	707.3	514.1
-17.5°	3623.9	3156.5	2717.2	2318.3	1972.4	1660.8	1358.6	1103.1	900.5	691.8	504.8
-20°	3318.6	2894.8	2505.3	2153.2	1850.9	1567.4	1293.1	1062.6	872.5	673.1	492.3



REPORT NUMBER: P722210
 CATALOG NUMBER: IFLD-M-SA4E-830-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	3016.3	2636.2	2287.2	1991.1	1726.3	1470.8	1227.7	1022.1	841.3	651.2	483.0
-25°	2748.3	2393.1	2094.0	1835.3	1604.7	1377.3	1159.2	981.5	807.0	629.4	470.5
-27.5°	2486.6	2184.3	1903.9	1688.9	1486.3	1286.9	1093.7	937.9	772.8	604.5	458.1
-30°	2243.5	1984.9	1754.3	1545.5	1374.2	1205.9	1037.6	894.3	735.4	579.6	442.5
-32.5°	2022.3	1813.5	1620.3	1420.9	1268.2	1124.9	984.7	850.7	698.0	554.7	426.9
-35°	1816.6	1654.6	1486.3	1318.1	1162.3	1050.1	928.6	803.9	663.7	526.6	411.3
-37.5°	1632.8	1501.9	1367.9	1224.6	1090.6	978.4	875.6	757.2	629.4	501.7	395.7
-40°	1473.9	1367.9	1249.5	1134.2	1022.1	916.1	822.6	710.5	595.2	483.0	380.2
-42.5°	1327.4	1246.4	1149.8	1053.2	953.5	860.0	769.7	660.6	560.9	461.2	364.6
-45°	1215.2	1134.2	1056.3	969.1	884.9	803.9	713.6	617.0	529.7	436.2	349.0
-47.5°	1109.3	1037.6	966.0	894.3	825.7	751.0	660.6	579.6	495.4	414.4	336.5
-50°	1015.8	947.3	884.9	822.6	763.4	691.8	607.6	542.2	467.4	392.6	320.9
-52.5°	928.6	869.4	807.0	757.2	707.3	635.7	567.1	504.8	439.4	367.7	305.4
-55°	850.7	794.6	738.5	691.8	645.0	582.7	526.6	473.6	411.3	349.0	289.8
-57.5°	775.9	729.1	676.2	632.6	585.8	536.0	489.2	439.4	383.3	330.3	274.2
-60°	707.3	663.7	617.0	573.3	532.8	492.3	448.7	408.2	358.3	308.5	258.6
-62.5°	638.8	601.4	560.9	517.3	486.1	448.7	414.4	373.9	333.4	289.8	230.6
-65°	576.5	542.2	504.8	467.4	439.4	411.3	380.2	342.8	308.5	268.0	205.7
-67.5°	514.1	483.0	451.8	420.7	395.7	373.9	342.8	314.7	286.7	243.0	180.7
-70°	454.9	430.0	402.0	377.0	358.3	333.4	311.6	286.7	261.7	211.9	152.7
-72.5°	398.9	373.9	352.1	333.4	317.8	296.0	277.3	258.6	224.4	177.6	127.8
-75°	333.4	317.8	305.4	289.8	274.2	258.6	243.0	221.2	187.0	143.3	99.7
-77.5°	274.2	264.9	255.5	243.0	230.6	218.1	199.4	177.6	149.6	112.2	81.0
-80°	224.4	215.0	208.8	196.3	187.0	174.5	155.8	137.1	109.1	87.2	65.4
-82.5°	171.4	165.1	158.9	152.7	143.3	130.9	112.2	96.6	81.0	65.4	49.9
-85°	121.5	118.4	112.2	105.9	96.6	87.2	74.8	65.4	56.1	43.6	34.3
-87.5°	62.3	59.2	56.1	53.0	49.9	43.6	37.4	31.2	28.0	21.8	15.6
-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: P722210
 CATALOG NUMBER: IFLD-M-SA4E-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	12.5	9.3	3.1	0.0
85°	24.9	15.6	6.2	0.0
82.5°	37.4	24.9	9.3	0.0
80°	49.9	31.2	15.6	0.0
77.5°	62.3	37.4	18.7	0.0
75°	74.8	46.7	21.8	0.0
72.5°	84.1	53.0	24.9	0.0
70°	99.7	62.3	28.0	0.0
67.5°	124.6	68.6	31.2	0.0
65°	146.5	74.8	34.3	0.0
62.5°	171.4	81.0	37.4	0.0
60°	193.2	87.2	40.5	0.0
57.5°	215.0	102.8	43.6	0.0
55°	233.7	115.3	46.7	0.0
52.5°	255.5	127.8	49.9	0.0
50°	274.2	140.2	53.0	0.0
47.5°	289.8	152.7	53.0	0.0
45°	302.3	162.0	56.1	0.0
42.5°	311.6	171.4	59.2	0.0
40°	320.9	180.7	62.3	0.0
37.5°	330.3	190.1	62.3	0.0
35°	339.6	199.4	65.4	0.0
32.5°	349.0	208.8	65.4	0.0
30°	355.2	215.0	68.6	0.0
27.5°	364.6	221.2	68.6	0.0
25°	367.7	227.5	71.7	0.0
22.5°	373.9	230.6	71.7	0.0
20°	380.2	236.8	71.7	0.0
17.5°	383.3	239.9	74.8	0.0
15°	383.3	243.0	77.9	0.0
12.5°	386.4	246.2	77.9	0.0
10°	386.4	252.4	74.8	0.0
7.5°	392.6	249.3	74.8	0.0
5°	389.5	249.3	74.8	0.0
2.5°	386.4	246.2	74.8	0.0
0°	383.3	246.2	74.8	0.0
-2.5°	383.3	246.2	74.8	0.0
-5°	383.3	246.2	74.8	0.0
-7.5°	380.2	249.3	74.8	0.0
-10°	373.9	249.3	74.8	0.0
-12.5°	370.8	239.9	74.8	0.0
-15°	367.7	236.8	74.8	0.0
-17.5°	361.5	233.7	71.7	0.0
-20°	355.2	230.6	71.7	0.0



REPORT NUMBER: P722210
 CATALOG NUMBER: IFLD-M-SA4E-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	349.0	224.4	71.7	0.0
-25°	342.8	218.1	68.6	0.0
-27.5°	336.5	211.9	68.6	0.0
-30°	327.2	205.7	65.4	0.0
-32.5°	317.8	199.4	65.4	0.0
-35°	311.6	190.1	62.3	0.0
-37.5°	302.3	180.7	62.3	0.0
-40°	292.9	171.4	59.2	0.0
-42.5°	283.6	162.0	56.1	0.0
-45°	271.1	152.7	56.1	0.0
-47.5°	261.7	143.3	53.0	0.0
-50°	246.2	130.9	49.9	0.0
-52.5°	227.5	118.4	46.7	0.0
-55°	208.8	109.1	43.6	0.0
-57.5°	190.1	96.6	43.6	0.0
-60°	171.4	84.1	40.5	0.0
-62.5°	152.7	77.9	37.4	0.0
-65°	134.0	71.7	34.3	0.0
-67.5°	112.2	62.3	31.2	0.0
-70°	93.5	56.1	28.0	0.0
-72.5°	81.0	49.9	24.9	0.0
-75°	68.6	43.6	21.8	0.0
-77.5°	59.2	37.4	18.7	0.0
-80°	46.7	28.0	12.5	0.0
-82.5°	34.3	21.8	9.3	0.0
-85°	21.8	15.6	6.2	0.0
-87.5°	12.5	6.2	3.1	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)