

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: P721974

Luminaire Tested: **IFLD-M-SA4A-722-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721974
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-722-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

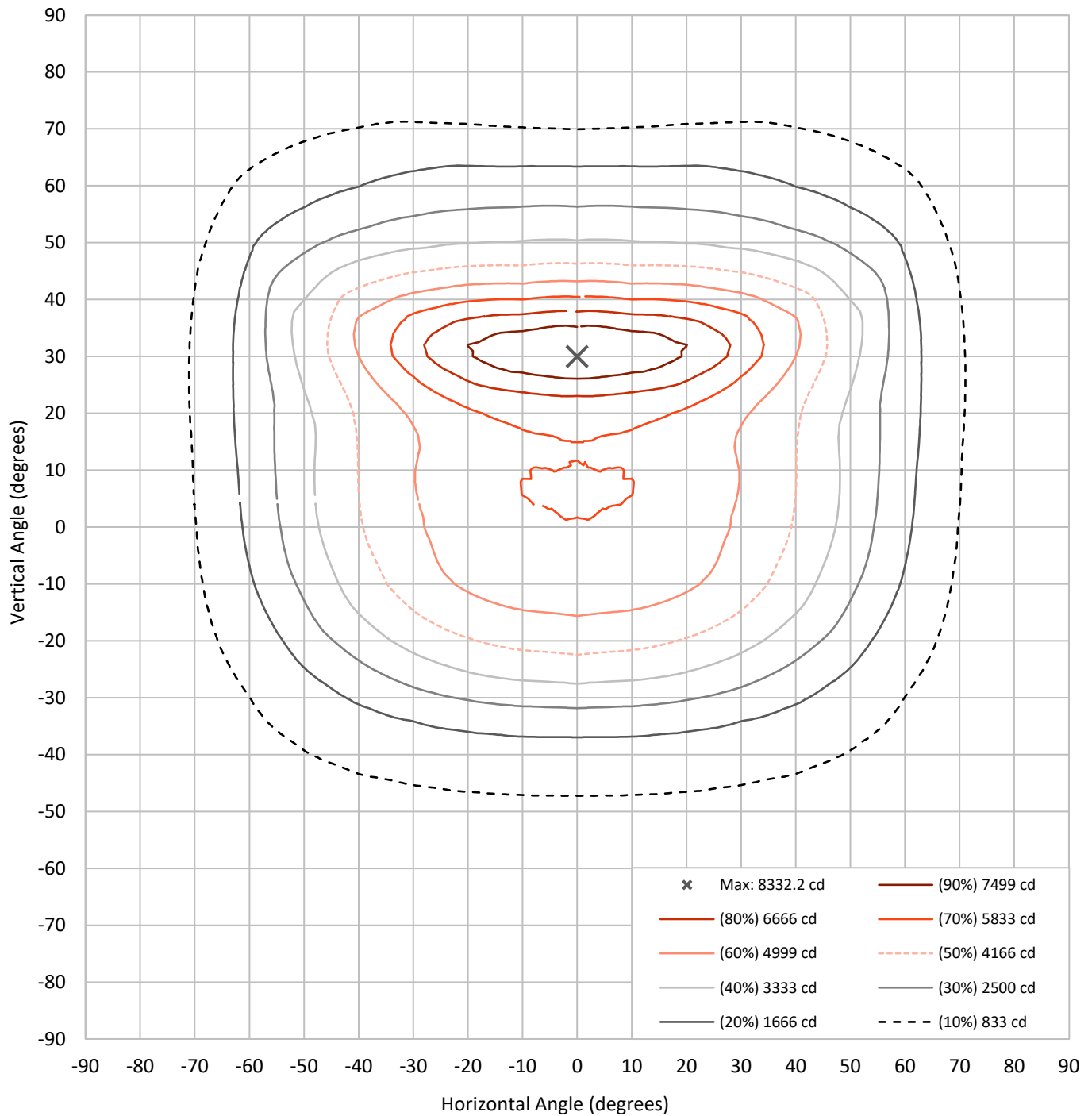
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	13908.5 lumens	Max Intensity:	8332.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	108.2 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	8087.9 lumens	Field Lumens:	13034 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 128.6
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: P721974
CATALOG NUMBER: IFLD-M-SA4A-722-U-76

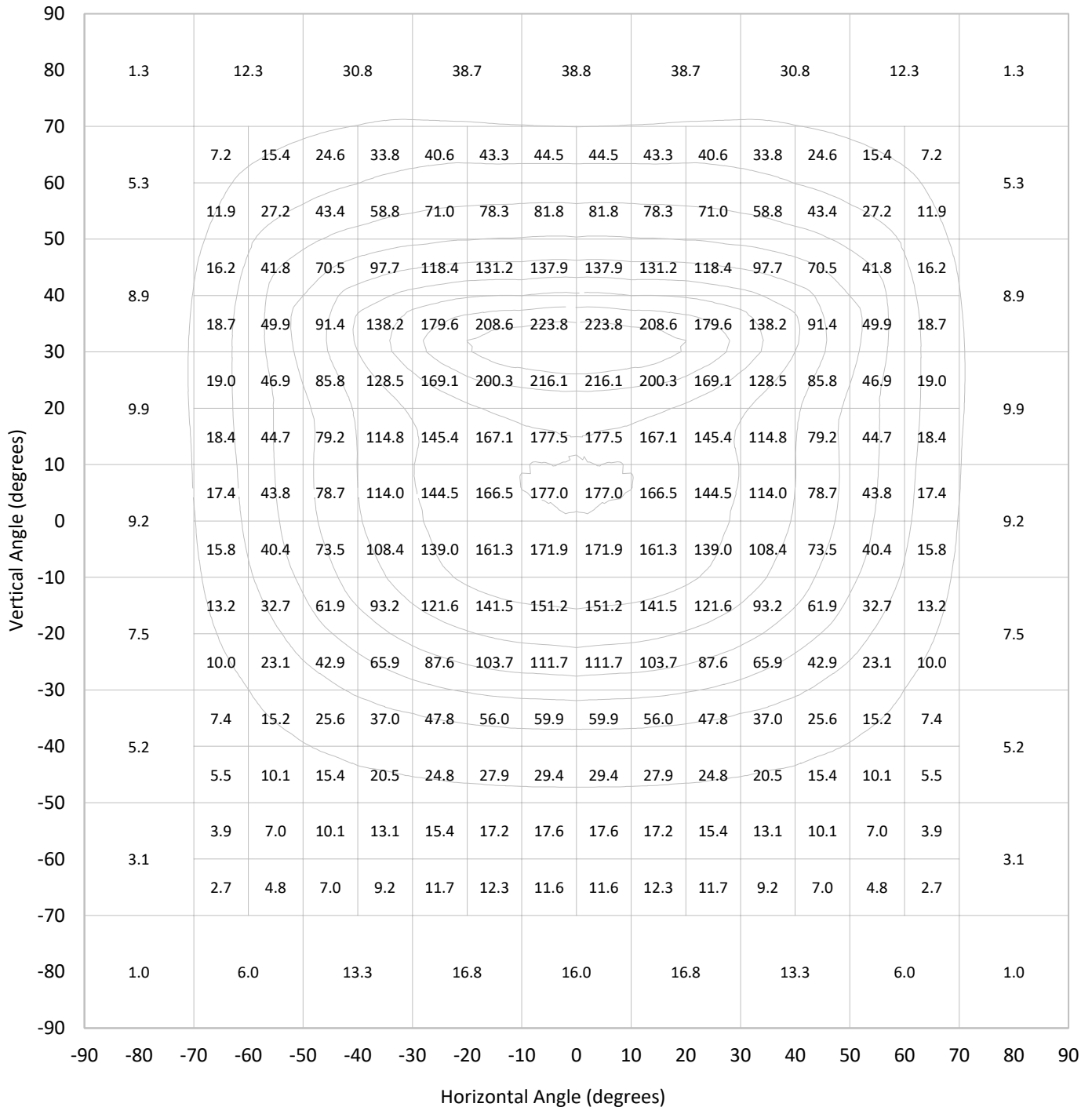
Iso-Candela Plot





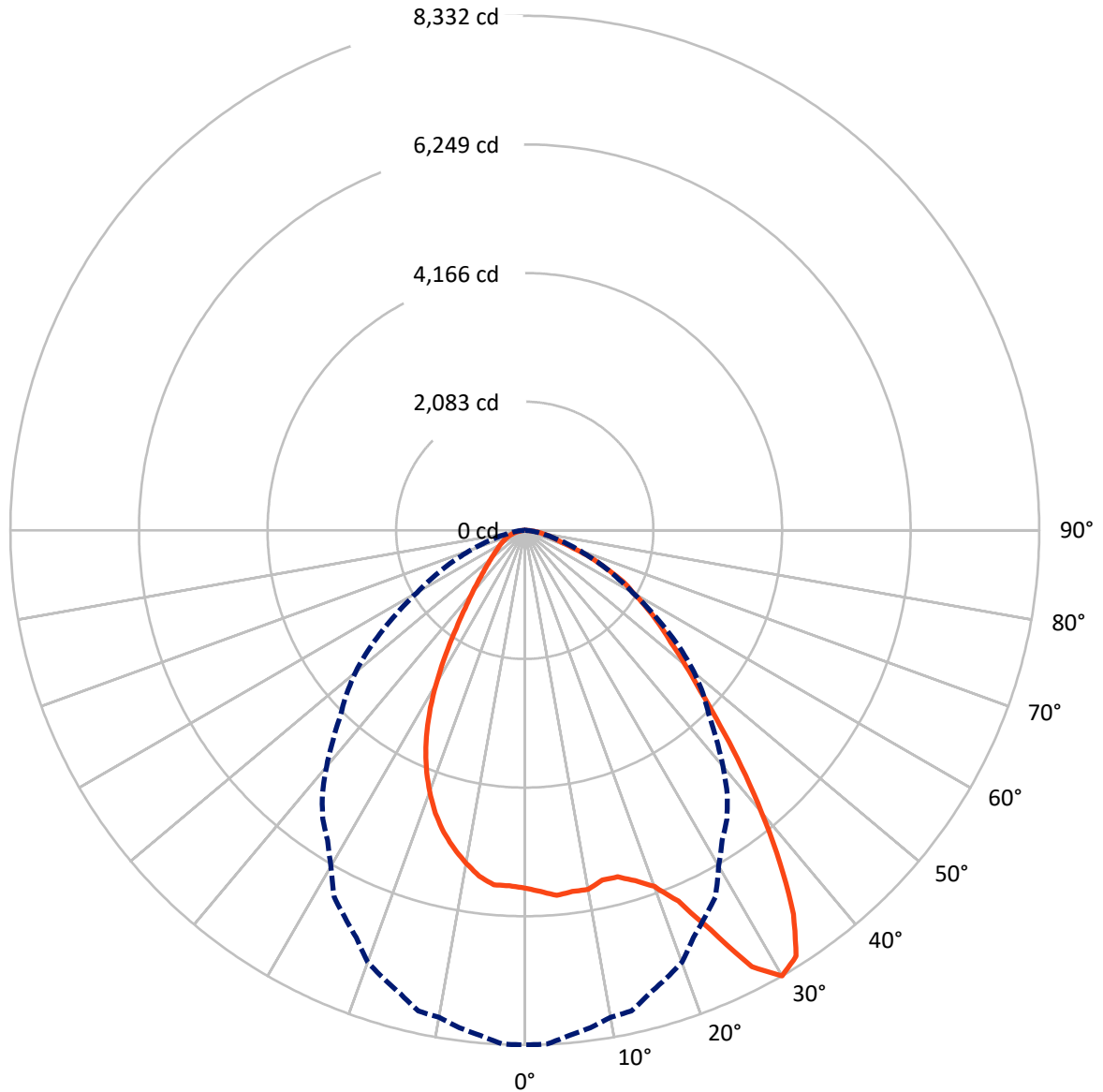
REPORT NUMBER: P721974
 CATALOG NUMBER: IFLD-M-SA4A-722-U-76

Lumen Table



REPORT NUMBER: P721974
CATALOG NUMBER: IFLD-M-SA4A-722-U-76

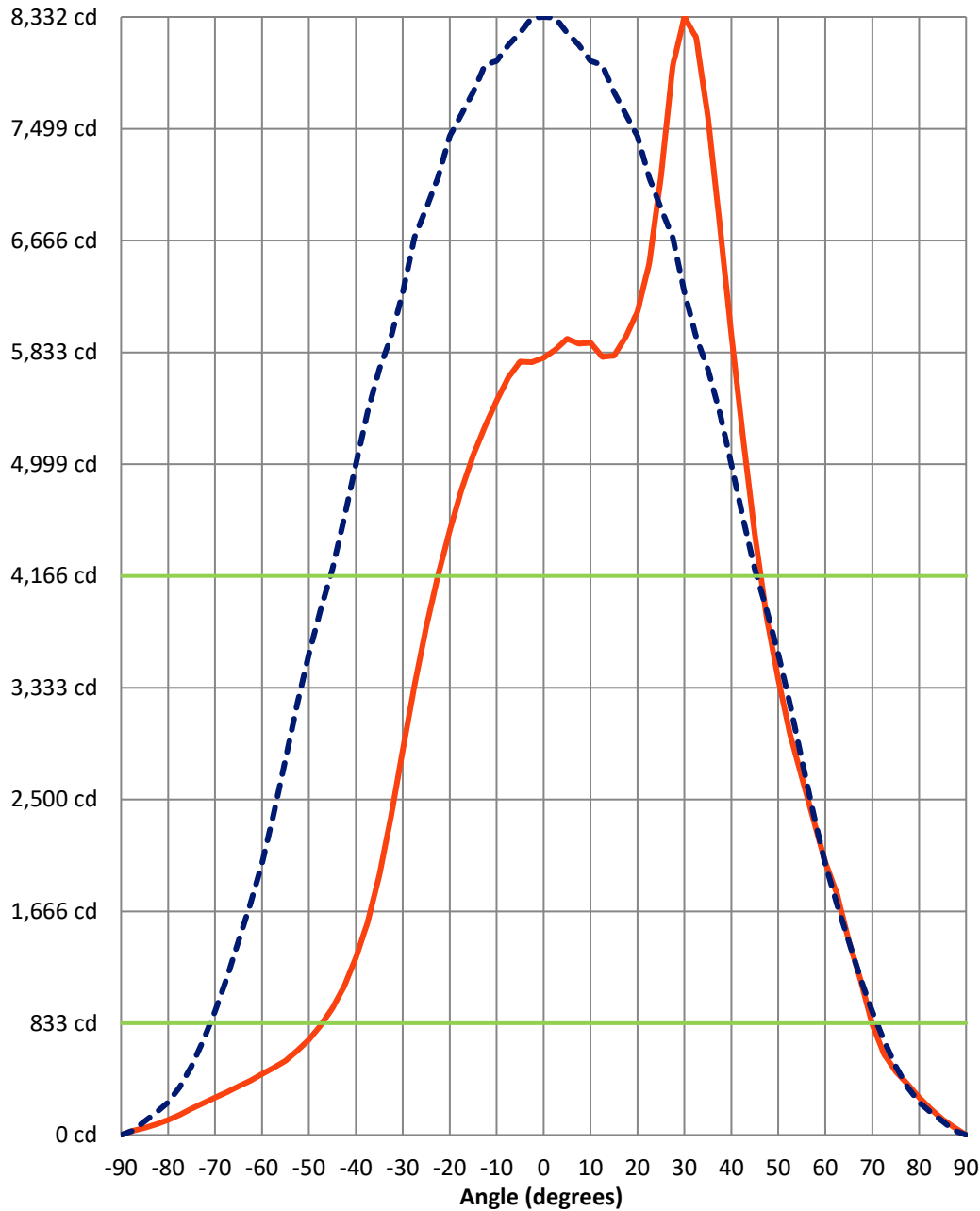
Luminous Intensity Polar Plot



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

REPORT NUMBER: P721974
 CATALOG NUMBER: IFLD-M-SA4A-722-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 8087.9
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 13034
 Efficiency: 93.7%

Spill:
 Lumens: 874.4
 Efficiency: 6.3%

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



REPORT NUMBER: P721974
 CATALOG NUMBER: IFLD-M-SA4A-722-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°	56.0	57.5	58.9	58.9	57.5	57.5	57.5	56.0	57.5	57.5	57.5
85°	116.4	119.3	122.3	120.8	119.3	116.4	113.5	114.9	116.4	117.9	117.9
82.5°	193.0	197.4	200.4	198.9	196.0	193.0	190.1	191.5	194.5	196.0	196.0
80°	279.9	281.4	282.9	285.8	281.4	281.4	279.9	285.8	288.8	291.7	294.7
77.5°	380.1	381.6	381.6	383.1	384.6	386.0	386.0	396.3	403.7	408.1	412.6
75°	474.4	478.9	483.3	487.7	493.6	496.5	501.0	515.7	527.5	536.3	545.2
72.5°	604.1	610.0	617.4	627.7	638.0	645.4	655.7	673.3	686.6	695.5	705.8
70°	826.6	832.5	839.8	847.2	857.5	864.9	875.2	897.3	910.6	916.5	922.4
67.5°	1156.6	1171.4	1184.6	1169.9	1162.5	1152.2	1155.2	1175.8	1189.0	1197.9	1196.4
65°	1449.8	1460.2	1460.2	1458.7	1452.8	1439.5	1446.9	1471.9	1486.7	1494.0	1471.9
62.5°	1794.6	1794.6	1787.2	1799.0	1800.5	1791.7	1787.2	1788.7	1790.2	1794.6	1757.8
60°	2033.3	2048.0	2052.5	2062.8	2065.7	2065.7	2073.1	2079.0	2079.0	2070.1	2027.4
57.5°	2348.6	2376.6	2382.5	2375.1	2360.4	2341.3	2338.3	2329.5	2311.8	2294.1	2273.5
55°	2666.9	2681.6	2680.1	2675.7	2661.0	2638.9	2641.8	2630.0	2602.0	2579.9	2552.0
52.5°	2986.6	3022.0	3027.9	3019.0	2998.4	2974.8	2976.3	2963.0	2935.0	2911.5	2873.2
50°	3394.7	3424.2	3421.3	3406.5	3377.1	3359.4	3360.9	3335.8	3303.4	3296.0	3245.9
47.5°	3861.8	3895.7	3889.8	3869.2	3829.4	3822.0	3829.4	3797.0	3777.8	3761.6	3702.7
45°	4474.8	4514.5	4492.4	4452.7	4389.3	4396.7	4407.0	4401.1	4359.8	4317.1	4242.0
42.5°	5193.8	5218.8	5192.3	5152.5	5073.0	5087.7	5081.8	5046.4	5021.4	4950.7	4854.9
40°	5962.9	6017.4	5976.2	5914.3	5831.8	5853.9	5837.7	5792.0	5733.0	5644.6	5523.8
37.5°	6792.4	6835.2	6788.0	6715.8	6642.1	6634.8	6602.4	6531.6	6447.7	6350.4	6157.4
35°	7586.6	7697.1	7610.2	7495.3	7405.4	7371.5	7340.5	7177.0	7081.2	6923.6	6659.8
32.5°	8177.4	8258.5	8150.9	8031.6	7922.5	7875.4	7766.4	7571.9	7520.3	7188.8	6947.1
30°	8332.2	8326.3	8214.3	8122.9	8005.1	7972.6	7772.3	7607.2	7442.2	7135.7	6905.9
27.5°	7963.8	7927.0	7819.4	7739.8	7623.4	7585.1	7387.7	7299.3	7044.4	6785.1	6590.6
25°	7143.1	7162.3	7081.2	7041.4	6964.8	6882.3	6804.2	6684.9	6525.7	6298.8	6120.6
22.5°	6496.3	6521.3	6487.4	6440.3	6381.4	6335.7	6276.7	6183.9	6030.7	5890.7	5722.7
20°	6136.8	6129.4	6099.9	6064.6	6008.6	5976.2	5911.3	5833.2	5715.4	5594.5	5413.3
17.5°	5948.2	5902.5	5874.5	5861.2	5831.8	5790.5	5713.9	5634.3	5543.0	5406.0	5273.3
15°	5808.2	5815.6	5793.5	5783.1	5759.6	5702.1	5624.0	5559.2	5435.4	5366.2	5245.4
12.5°	5799.4	5792.0	5793.5	5789.0	5759.6	5685.9	5646.1	5563.6	5484.0	5392.7	5254.2
10°	5904.0	5825.9	5831.8	5852.4	5805.2	5746.3	5703.6	5613.7	5538.6	5422.2	5285.1
7.5°	5898.1	5858.3	5870.1	5836.2	5850.9	5778.7	5719.8	5629.9	5535.6	5411.8	5288.1
5°	5933.4	5873.0	5862.7	5865.7	5828.8	5774.3	5694.7	5609.3	5520.9	5382.4	5255.7
2.5°	5852.4	5861.2	5814.1	5796.4	5792.0	5700.6	5627.0	5544.5	5453.1	5330.8	5217.4
0°	5792.0	5808.2	5759.6	5734.5	5733.0	5655.0	5607.8	5513.5	5448.7	5347.0	5210.0
-2.5°	5759.6	5778.7	5784.6	5738.9	5694.7	5634.3	5554.8	5453.1	5347.0	5229.1	5111.3
-5°	5762.5	5724.2	5708.0	5722.7	5684.4	5624.0	5535.6	5445.7	5341.1	5214.4	5067.1
-7.5°	5646.1	5607.8	5604.9	5597.5	5588.7	5531.2	5457.5	5360.3	5254.2	5136.3	4999.3
-10°	5472.3	5444.3	5436.9	5429.5	5406.0	5372.1	5302.8	5214.4	5118.6	5000.8	4854.9
-12.5°	5279.2	5266.0	5238.0	5218.8	5195.3	5155.5	5089.2	5008.1	4912.4	4807.7	4682.5
-15°	5065.6	5040.5	5012.6	4996.3	4962.5	4915.3	4849.0	4773.9	4669.2	4566.1	4448.2
-17.5°	4807.7	4776.8	4745.9	4741.4	4717.9	4645.7	4583.8	4492.4	4401.1	4302.4	4187.4
-20°	4504.2	4461.5	4440.9	4429.1	4396.7	4343.6	4277.3	4193.3	4104.9	4010.6	3878.0



REPORT NUMBER: P721974
 CATALOG NUMBER: IFLD-M-SA4A-722-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	4168.3	4131.4	4096.1	4074.0	4046.0	4004.7	3941.4	3867.7	3780.8	3674.7	3552.4
-25°	3786.7	3735.1	3713.0	3688.0	3673.2	3634.9	3573.0	3505.2	3415.4	3312.2	3195.8
-27.5°	3350.5	3309.3	3297.5	3262.1	3244.5	3204.7	3153.1	3089.7	3007.2	2910.0	2814.2
-30°	2868.7	2843.7	2824.5	2789.2	2775.9	2733.2	2699.3	2646.2	2571.1	2501.9	2425.2
-32.5°	2373.7	2348.6	2342.7	2326.5	2317.7	2289.7	2251.4	2213.1	2152.7	2101.1	2039.2
-35°	1934.6	1916.9	1918.4	1916.9	1908.1	1887.4	1840.3	1830.0	1785.8	1738.6	1698.8
-37.5°	1583.9	1585.4	1583.9	1582.4	1570.7	1561.8	1527.9	1514.7	1488.1	1442.5	1418.9
-40°	1320.2	1323.1	1321.7	1318.7	1305.4	1301.0	1278.9	1261.2	1250.9	1218.5	1193.5
-42.5°	1106.5	1111.0	1109.5	1108.0	1099.2	1097.7	1085.9	1065.3	1059.4	1040.2	1013.7
-45°	944.5	943.0	940.0	943.0	938.6	934.1	926.8	913.5	906.1	897.3	875.2
-47.5°	816.3	817.7	814.8	814.8	808.9	804.5	801.5	792.7	786.8	779.4	766.2
-50°	710.2	716.1	714.6	713.1	708.7	705.8	705.8	696.9	688.1	685.1	676.3
-52.5°	627.7	632.1	633.6	636.5	638.0	639.5	635.0	626.2	611.5	610.0	605.6
-55°	552.5	565.8	574.6	580.5	586.4	590.8	582.0	570.2	555.5	549.6	548.1
-57.5°	501.0	514.2	524.5	533.4	540.7	548.1	539.3	527.5	514.2	506.9	505.4
-60°	453.8	465.6	475.9	487.7	498.0	509.8	505.4	496.5	489.2	483.3	477.4
-62.5°	403.7	415.5	427.3	442.0	455.3	467.1	468.5	467.1	465.6	467.1	456.8
-65°	362.5	368.4	375.7	391.9	406.7	419.9	427.3	431.7	439.1	446.4	436.1
-67.5°	318.3	325.6	334.5	346.3	358.0	366.9	377.2	389.0	400.8	412.6	405.2
-70°	278.5	284.4	291.7	297.6	305.0	310.9	319.7	333.0	346.3	358.0	355.1
-72.5°	237.2	243.1	247.5	250.5	254.9	257.8	262.3	274.1	282.9	288.8	288.8
-75°	196.0	201.9	206.3	207.8	210.7	212.2	215.1	219.5	224.0	225.4	226.9
-77.5°	150.3	156.2	160.6	163.5	166.5	169.4	170.9	173.9	175.3	175.3	176.8
-80°	112.0	116.4	119.3	123.8	125.2	128.2	131.1	132.6	134.1	134.1	135.6
-82.5°	79.6	82.5	85.5	88.4	91.4	92.8	95.8	97.2	98.7	100.2	101.7
-85°	53.0	56.0	58.9	61.9	63.4	64.8	66.3	67.8	69.3	70.7	72.2
-87.5°	30.9	32.4	33.9	36.8	38.3	41.3	42.7	41.3	42.7	42.7	42.7
-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: P721974
 CATALOG NUMBER: IFLD-M-SA4A-722-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°	57.5	57.5	57.5	57.5	56.0	53.0	51.6	48.6	45.7	42.7	39.8
85°	119.3	120.8	120.8	120.8	117.9	116.4	112.0	107.6	101.7	92.8	85.5
82.5°	198.9	200.4	200.4	198.9	196.0	191.5	185.7	178.3	166.5	154.7	144.4
80°	299.1	300.6	300.6	299.1	291.7	284.4	277.0	268.2	253.4	237.2	219.5
77.5°	418.4	421.4	421.4	417.0	406.7	397.8	386.0	371.3	349.2	325.6	302.0
75°	557.0	564.3	565.8	561.4	548.1	531.9	512.7	487.7	453.8	424.3	396.3
72.5°	717.6	724.9	730.8	724.9	705.8	683.7	655.7	626.2	592.3	552.5	505.4
70°	928.3	935.6	940.0	920.9	887.0	850.2	816.3	782.4	742.6	694.0	642.4
67.5°	1193.5	1186.1	1177.3	1138.9	1096.2	1052.0	1004.9	954.8	903.2	851.6	791.2
65°	1448.4	1427.7	1408.6	1362.9	1308.4	1250.9	1196.4	1140.4	1078.5	1013.7	956.2
62.5°	1716.5	1672.3	1625.2	1569.2	1513.2	1449.8	1395.3	1329.0	1259.8	1180.2	1106.5
60°	1980.3	1927.2	1880.1	1810.8	1737.2	1651.7	1592.8	1527.9	1446.9	1361.4	1274.5
57.5°	2235.2	2177.7	2126.1	2065.7	1986.2	1893.3	1828.5	1744.5	1659.1	1551.5	1463.1
55°	2506.3	2448.8	2407.6	2339.8	2252.8	2167.4	2096.7	2008.3	1888.9	1774.0	1665.0
52.5°	2817.2	2771.5	2727.3	2658.0	2553.4	2466.5	2388.4	2289.7	2164.4	2023.0	1891.9
50°	3164.9	3141.3	3094.2	3013.1	2893.8	2817.2	2714.0	2582.9	2448.8	2300.0	2136.4
47.5°	3626.1	3587.8	3521.5	3433.1	3332.9	3217.9	3079.4	2926.2	2736.1	2571.1	2397.2
45°	4177.1	4106.4	4020.9	3901.6	3777.8	3648.2	3496.4	3301.9	3047.0	2831.9	2649.2
42.5°	4773.9	4678.1	4561.7	4405.5	4244.9	4085.8	3922.2	3657.0	3338.8	3091.2	2884.9
40°	5397.1	5274.8	5129.0	4902.0	4723.8	4519.0	4331.8	3935.5	3596.6	3328.4	3108.9
37.5°	6007.1	5852.4	5607.8	5332.3	5124.5	4956.6	4545.5	4121.1	3817.6	3522.9	3300.4
35°	6474.2	6343.0	5911.3	5625.5	5447.2	5182.0	4667.8	4233.1	3911.9	3667.3	3321.1
32.5°	6751.2	6412.3	6033.6	5744.8	5597.5	5162.8	4676.6	4265.5	3956.1	3682.1	3268.0
30°	6689.3	6279.7	5948.2	5706.5	5386.8	4996.3	4594.1	4215.4	3914.9	3583.3	3209.1
27.5°	6316.5	5999.7	5703.6	5451.6	5137.8	4787.1	4415.8	4082.8	3802.9	3481.7	3128.1
25°	5895.1	5607.8	5388.3	5168.7	4871.1	4536.6	4209.5	3969.4	3688.0	3371.2	3022.0
22.5°	5507.6	5301.3	5129.0	4899.1	4608.8	4317.1	4113.8	3864.8	3576.0	3254.8	2912.9
20°	5260.1	5120.1	4922.7	4669.2	4440.9	4258.2	4032.7	3769.0	3471.4	3135.4	2820.1
17.5°	5140.7	4978.7	4759.1	4594.1	4418.8	4218.4	3966.4	3686.5	3369.7	3080.9	2830.4
15°	5078.9	4907.9	4763.5	4601.5	4404.0	4193.3	3913.4	3623.1	3369.7	3103.0	2837.8
12.5°	5092.1	4944.8	4787.1	4610.3	4398.1	4172.7	3919.3	3649.6	3387.4	3119.2	2839.3
10°	5133.4	4978.7	4810.7	4614.7	4401.1	4178.6	3935.5	3665.9	3396.2	3126.6	2836.3
7.5°	5148.1	4980.1	4800.4	4602.9	4393.7	4175.7	3938.4	3670.3	3397.7	3125.1	2827.5
5°	5102.4	4950.7	4776.8	4577.9	4373.1	4160.9	3926.6	3664.4	3385.9	3110.4	2805.4
2.5°	5040.5	4918.3	4751.8	4560.2	4352.5	4140.3	3907.5	3637.9	3359.4	3083.9	2777.4
0°	5030.2	4878.5	4710.5	4539.6	4318.6	4094.6	3863.3	3587.8	3310.8	3033.8	2728.8
-2.5°	4962.5	4801.9	4633.9	4448.2	4253.7	4028.3	3785.2	3515.6	3241.5	2968.9	2675.7
-5°	4910.9	4732.6	4554.3	4353.9	4158.0	3932.5	3680.6	3418.3	3150.2	2884.9	2602.0
-7.5°	4841.6	4658.9	4471.8	4262.6	4050.4	3820.6	3571.6	3309.3	3045.5	2781.8	2510.7
-10°	4701.7	4541.1	4365.7	4149.1	3925.2	3695.3	3447.8	3189.9	2926.2	2659.5	2386.9
-12.5°	4532.2	4362.8	4171.2	3972.3	3771.9	3558.3	3310.8	3057.3	2792.1	2524.0	2252.8
-15°	4312.7	4146.2	3950.2	3755.7	3562.7	3357.9	3139.8	2911.5	2641.8	2378.1	2107.0
-17.5°	4038.6	3882.4	3707.1	3521.5	3329.9	3123.6	2911.5	2718.4	2466.5	2219.0	1950.8
-20°	3743.9	3598.1	3440.4	3265.1	3073.5	2871.7	2671.3	2469.4	2251.4	2033.3	1784.3



REPORT NUMBER: P721974
 CATALOG NUMBER: IFLD-M-SA4A-722-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	3437.5	3290.1	3131.0	2967.5	2790.6	2603.5	2417.9	2224.9	2033.3	1835.9	1625.2
-25°	3083.9	2954.2	2808.3	2649.2	2491.5	2328.0	2151.2	1975.8	1812.3	1641.4	1469.0
-27.5°	2714.0	2594.7	2462.1	2323.6	2188.0	2051.0	1897.8	1735.7	1600.1	1458.7	1315.8
-30°	2325.0	2229.3	2121.7	2000.9	1896.3	1785.8	1657.6	1523.5	1399.7	1292.2	1177.3
-32.5°	1956.7	1875.7	1799.0	1719.5	1616.3	1530.9	1442.5	1343.8	1234.7	1133.1	1050.5
-35°	1639.9	1553.0	1520.6	1461.6	1388.0	1312.8	1248.0	1177.3	1094.7	1004.9	937.1
-37.5°	1373.2	1321.7	1276.0	1243.6	1194.9	1134.5	1083.0	1031.4	968.0	900.3	832.5
-40°	1165.5	1130.1	1080.0	1063.8	1032.9	991.6	938.6	898.8	856.1	804.5	747.0
-42.5°	999.0	972.5	940.0	912.0	898.8	869.3	828.1	789.7	755.9	720.5	676.3
-45°	861.9	844.3	823.6	798.6	788.3	764.7	735.2	692.5	673.3	643.9	611.5
-47.5°	751.4	742.6	727.9	711.7	696.9	679.2	652.7	626.2	599.7	580.5	555.5
-50°	664.5	658.6	649.8	636.5	617.4	605.6	587.9	564.3	539.3	523.1	505.4
-52.5°	595.3	589.4	583.5	573.2	558.4	546.6	531.9	512.7	492.1	475.9	461.2
-55°	542.2	533.4	529.0	520.1	508.3	495.1	481.8	468.5	450.9	436.1	421.4
-57.5°	501.0	489.2	483.3	475.9	464.1	450.9	440.6	427.3	415.5	399.3	386.0
-60°	468.5	455.3	443.5	436.1	425.8	412.6	402.2	391.9	380.1	366.9	350.7
-62.5°	442.0	425.8	409.6	400.8	390.5	378.7	368.4	358.0	346.3	333.0	318.3
-65°	417.0	397.8	377.2	368.4	358.0	346.3	333.0	325.6	315.3	303.5	288.8
-67.5°	386.0	365.4	347.7	337.4	327.1	316.8	305.0	297.6	287.3	272.6	257.8
-70°	340.4	327.1	315.3	306.5	297.6	288.8	277.0	265.2	253.4	240.2	226.9
-72.5°	282.9	278.5	277.0	272.6	262.3	252.0	240.2	228.4	218.1	207.8	197.4
-75°	228.4	231.3	234.3	232.8	222.5	212.2	201.9	191.5	184.2	175.3	166.5
-77.5°	181.2	184.2	187.1	187.1	179.8	173.9	166.5	159.1	153.2	145.9	137.0
-80°	140.0	144.4	148.8	151.8	145.9	141.4	135.6	129.7	123.8	117.9	112.0
-82.5°	106.1	110.5	114.9	117.9	113.5	110.5	106.1	101.7	97.2	91.4	86.9
-85°	76.6	79.6	82.5	84.0	81.0	78.1	75.1	72.2	69.3	64.8	61.9
-87.5°	44.2	45.7	47.1	48.6	45.7	42.7	41.3	38.3	36.8	33.9	32.4
-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: P721974
 CATALOG NUMBER: IFLD-M-SA4A-722-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°	36.8	33.9	30.9	29.5	26.5	22.1	19.2	16.2	13.3	10.3	8.8
85°	78.1	70.7	61.9	57.5	51.6	45.7	39.8	33.9	28.0	22.1	16.2
82.5°	134.1	125.2	116.4	106.1	92.8	76.6	60.4	50.1	41.3	32.4	25.0
80°	201.9	185.7	170.9	157.7	142.9	122.3	100.2	79.6	56.0	42.7	32.4
77.5°	279.9	260.8	240.2	218.1	194.5	166.5	141.4	114.9	86.9	58.9	41.3
75°	368.4	343.3	315.3	284.4	253.4	216.6	181.2	150.3	117.9	82.5	50.1
72.5°	467.1	436.1	402.2	361.0	312.4	269.6	226.9	185.7	147.3	104.6	67.8
70°	593.8	545.2	495.1	450.9	389.0	321.2	271.1	224.0	175.3	128.2	85.5
67.5°	729.3	670.4	610.0	545.2	467.1	387.5	315.3	262.3	204.8	150.3	101.7
65°	876.7	803.0	726.4	654.2	546.6	452.3	371.3	299.1	232.8	170.9	117.9
62.5°	1028.4	941.5	853.1	758.8	635.0	518.6	424.3	340.4	259.3	190.1	132.6
60°	1190.5	1088.9	981.3	863.4	719.0	590.8	474.4	383.1	287.3	209.2	148.8
57.5°	1361.4	1250.9	1124.2	965.1	806.0	660.1	531.9	421.4	312.4	226.9	160.6
55°	1547.1	1420.4	1281.9	1071.2	891.4	729.3	589.4	459.7	338.9	241.6	172.4
52.5°	1747.5	1600.1	1424.8	1183.2	981.3	800.1	642.4	493.6	363.9	257.8	182.7
50°	1971.4	1785.8	1550.0	1286.3	1059.4	866.4	695.5	530.4	384.6	275.5	191.5
47.5°	2204.2	2003.8	1662.0	1382.1	1138.9	931.2	750.0	562.8	405.2	290.3	200.4
45°	2447.3	2155.6	1778.4	1467.5	1208.2	990.1	791.2	592.3	430.2	303.5	207.8
42.5°	2687.5	2270.5	1880.1	1553.0	1273.0	1043.2	825.1	620.3	450.9	316.8	215.1
40°	2801.0	2357.5	1961.1	1611.9	1327.5	1090.3	854.6	645.4	468.5	325.6	222.5
37.5°	2848.1	2410.5	2014.2	1667.9	1370.3	1115.4	879.6	667.5	483.3	334.5	228.4
35°	2858.4	2429.7	2040.7	1706.2	1405.6	1138.9	898.8	683.7	495.1	343.3	234.3
32.5°	2839.3	2423.8	2048.0	1719.5	1427.7	1156.6	912.0	695.5	503.9	352.1	240.2
30°	2796.5	2392.8	2021.5	1718.0	1443.9	1166.9	920.9	704.3	512.7	358.0	243.1
27.5°	2727.3	2338.3	1987.6	1719.5	1452.8	1171.4	925.3	708.7	518.6	362.5	249.0
25°	2641.8	2264.6	1989.1	1716.5	1454.3	1172.8	925.3	708.7	520.1	363.9	253.4
22.5°	2543.1	2264.6	1989.1	1712.1	1445.4	1169.9	920.9	705.8	520.1	366.9	257.8
20°	2549.0	2266.1	1984.7	1703.3	1432.2	1161.0	910.6	698.4	515.7	371.3	260.8
17.5°	2553.4	2263.2	1975.8	1691.5	1414.5	1146.3	897.3	688.1	515.7	375.7	262.3
15°	2553.4	2254.3	1962.6	1673.8	1392.4	1125.7	878.2	679.2	517.2	377.2	265.2
12.5°	2549.0	2238.1	1942.0	1650.2	1365.9	1100.6	866.4	676.3	517.2	378.7	265.2
10°	2540.2	2216.0	1915.4	1620.8	1340.8	1091.8	860.5	670.4	514.2	378.7	265.2
7.5°	2524.0	2189.5	1893.3	1603.1	1326.1	1081.5	851.6	661.6	509.8	375.7	268.2
5°	2498.9	2174.8	1875.7	1582.4	1305.4	1074.1	845.7	654.2	506.9	375.7	265.2
2.5°	2466.5	2157.1	1855.0	1555.9	1281.9	1049.1	826.6	638.0	496.5	369.8	262.3
0°	2413.5	2121.7	1819.7	1519.1	1249.5	1024.0	807.4	621.8	486.2	363.9	259.3
-2.5°	2364.8	2074.6	1774.0	1480.8	1218.5	1001.9	792.7	612.9	481.8	362.5	257.8
-5°	2297.1	2009.7	1713.6	1430.7	1177.3	979.8	778.0	602.6	477.4	359.5	257.8
-7.5°	2221.9	1942.0	1650.2	1379.1	1136.0	941.5	750.0	586.4	467.1	353.6	256.4
-10°	2105.5	1840.3	1570.7	1320.2	1091.8	907.6	726.4	571.7	458.2	347.7	250.5
-12.5°	1981.7	1728.3	1479.3	1248.0	1041.7	872.3	699.9	555.5	447.9	341.8	247.5
-15°	1850.6	1613.4	1383.5	1172.8	987.2	829.5	671.9	537.8	437.6	334.5	243.1
-17.5°	1713.6	1492.6	1284.8	1096.2	932.7	785.3	642.4	521.6	425.8	327.1	238.7
-20°	1569.2	1368.8	1184.6	1018.1	875.2	741.1	611.5	502.4	412.6	318.3	232.8



REPORT NUMBER: P721974
 CATALOG NUMBER: IFLD-M-SA4A-722-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1426.3	1246.5	1081.5	941.5	816.3	695.5	580.5	483.3	397.8	307.9	228.4
-25°	1299.6	1131.6	990.1	867.8	758.8	651.2	548.1	464.1	381.6	297.6	222.5
-27.5°	1175.8	1032.9	900.3	798.6	702.8	608.5	517.2	443.5	365.4	285.8	216.6
-30°	1060.9	938.6	829.5	730.8	649.8	570.2	490.6	422.9	347.7	274.1	209.2
-32.5°	956.2	857.5	766.2	671.9	599.7	531.9	465.6	402.2	330.0	262.3	201.9
-35°	859.0	782.4	702.8	623.3	549.6	496.5	439.1	380.1	313.8	249.0	194.5
-37.5°	772.1	710.2	646.8	579.1	515.7	462.7	414.0	358.0	297.6	237.2	187.1
-40°	696.9	646.8	590.8	536.3	483.3	433.2	389.0	335.9	281.4	228.4	179.8
-42.5°	627.7	589.4	543.7	498.0	450.9	406.7	363.9	312.4	265.2	218.1	172.4
-45°	574.6	536.3	499.5	458.2	418.4	380.1	337.4	291.7	250.5	206.3	165.0
-47.5°	524.5	490.6	456.8	422.9	390.5	355.1	312.4	274.1	234.3	196.0	159.1
-50°	480.3	447.9	418.4	389.0	361.0	327.1	287.3	256.4	221.0	185.7	151.8
-52.5°	439.1	411.1	381.6	358.0	334.5	300.6	268.2	238.7	207.8	173.9	144.4
-55°	402.2	375.7	349.2	327.1	305.0	275.5	249.0	224.0	194.5	165.0	137.0
-57.5°	366.9	344.8	319.7	299.1	277.0	253.4	231.3	207.8	181.2	156.2	129.7
-60°	334.5	313.8	291.7	271.1	252.0	232.8	212.2	193.0	169.4	145.9	122.3
-62.5°	302.0	284.4	265.2	244.6	229.9	212.2	196.0	176.8	157.7	137.0	109.0
-65°	272.6	256.4	238.7	221.0	207.8	194.5	179.8	162.1	145.9	126.7	97.2
-67.5°	243.1	228.4	213.6	198.9	187.1	176.8	162.1	148.8	135.6	114.9	85.5
-70°	215.1	203.3	190.1	178.3	169.4	157.7	147.3	135.6	123.8	100.2	72.2
-72.5°	188.6	176.8	166.5	157.7	150.3	140.0	131.1	122.3	106.1	84.0	60.4
-75°	157.7	150.3	144.4	137.0	129.7	122.3	114.9	104.6	88.4	67.8	47.1
-77.5°	129.7	125.2	120.8	114.9	109.0	103.1	94.3	84.0	70.7	53.0	38.3
-80°	106.1	101.7	98.7	92.8	88.4	82.5	73.7	64.8	51.6	41.3	30.9
-82.5°	81.0	78.1	75.1	72.2	67.8	61.9	53.0	45.7	38.3	30.9	23.6
-85°	57.5	56.0	53.0	50.1	45.7	41.3	35.4	30.9	26.5	20.6	16.2
-87.5°	29.5	28.0	26.5	25.0	23.6	20.6	17.7	14.7	13.3	10.3	7.4
-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: P721974
 CATALOG NUMBER: IFLD-M-SA4A-722-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	5.9	4.4	1.5	0.0
85°	11.8	7.4	2.9	0.0
82.5°	17.7	11.8	4.4	0.0
80°	23.6	14.7	7.4	0.0
77.5°	29.5	17.7	8.8	0.0
75°	35.4	22.1	10.3	0.0
72.5°	39.8	25.0	11.8	0.0
70°	47.1	29.5	13.3	0.0
67.5°	58.9	32.4	14.7	0.0
65°	69.3	35.4	16.2	0.0
62.5°	81.0	38.3	17.7	0.0
60°	91.4	41.3	19.2	0.0
57.5°	101.7	48.6	20.6	0.0
55°	110.5	54.5	22.1	0.0
52.5°	120.8	60.4	23.6	0.0
50°	129.7	66.3	25.0	0.0
47.5°	137.0	72.2	25.0	0.0
45°	142.9	76.6	26.5	0.0
42.5°	147.3	81.0	28.0	0.0
40°	151.8	85.5	29.5	0.0
37.5°	156.2	89.9	29.5	0.0
35°	160.6	94.3	30.9	0.0
32.5°	165.0	98.7	30.9	0.0
30°	168.0	101.7	32.4	0.0
27.5°	172.4	104.6	32.4	0.0
25°	173.9	107.6	33.9	0.0
22.5°	176.8	109.0	33.9	0.0
20°	179.8	112.0	33.9	0.0
17.5°	181.2	113.5	35.4	0.0
15°	181.2	114.9	36.8	0.0
12.5°	182.7	116.4	36.8	0.0
10°	182.7	119.3	35.4	0.0
7.5°	185.7	117.9	35.4	0.0
5°	184.2	117.9	35.4	0.0
2.5°	182.7	116.4	35.4	0.0
0°	181.2	116.4	35.4	0.0
-2.5°	181.2	116.4	35.4	0.0
-5°	181.2	116.4	35.4	0.0
-7.5°	179.8	117.9	35.4	0.0
-10°	176.8	117.9	35.4	0.0
-12.5°	175.3	113.5	35.4	0.0
-15°	173.9	112.0	35.4	0.0
-17.5°	170.9	110.5	33.9	0.0
-20°	168.0	109.0	33.9	0.0



REPORT NUMBER: P721974
 CATALOG NUMBER: IFLD-M-SA4A-722-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	165.0	106.1	33.9	0.0
-25°	162.1	103.1	32.4	0.0
-27.5°	159.1	100.2	32.4	0.0
-30°	154.7	97.2	30.9	0.0
-32.5°	150.3	94.3	30.9	0.0
-35°	147.3	89.9	29.5	0.0
-37.5°	142.9	85.5	29.5	0.0
-40°	138.5	81.0	28.0	0.0
-42.5°	134.1	76.6	26.5	0.0
-45°	128.2	72.2	26.5	0.0
-47.5°	123.8	67.8	25.0	0.0
-50°	116.4	61.9	23.6	0.0
-52.5°	107.6	56.0	22.1	0.0
-55°	98.7	51.6	20.6	0.0
-57.5°	89.9	45.7	20.6	0.0
-60°	81.0	39.8	19.2	0.0
-62.5°	72.2	36.8	17.7	0.0
-65°	63.4	33.9	16.2	0.0
-67.5°	53.0	29.5	14.7	0.0
-70°	44.2	26.5	13.3	0.0
-72.5°	38.3	23.6	11.8	0.0
-75°	32.4	20.6	10.3	0.0
-77.5°	28.0	17.7	8.8	0.0
-80°	22.1	13.3	5.9	0.0
-82.5°	16.2	10.3	4.4	0.0
-85°	10.3	7.4	2.9	0.0
-87.5°	5.9	2.9	1.5	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)