

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: P722177

Luminaire Tested: **IFLD-M-SA4A-827-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722177
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-827-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

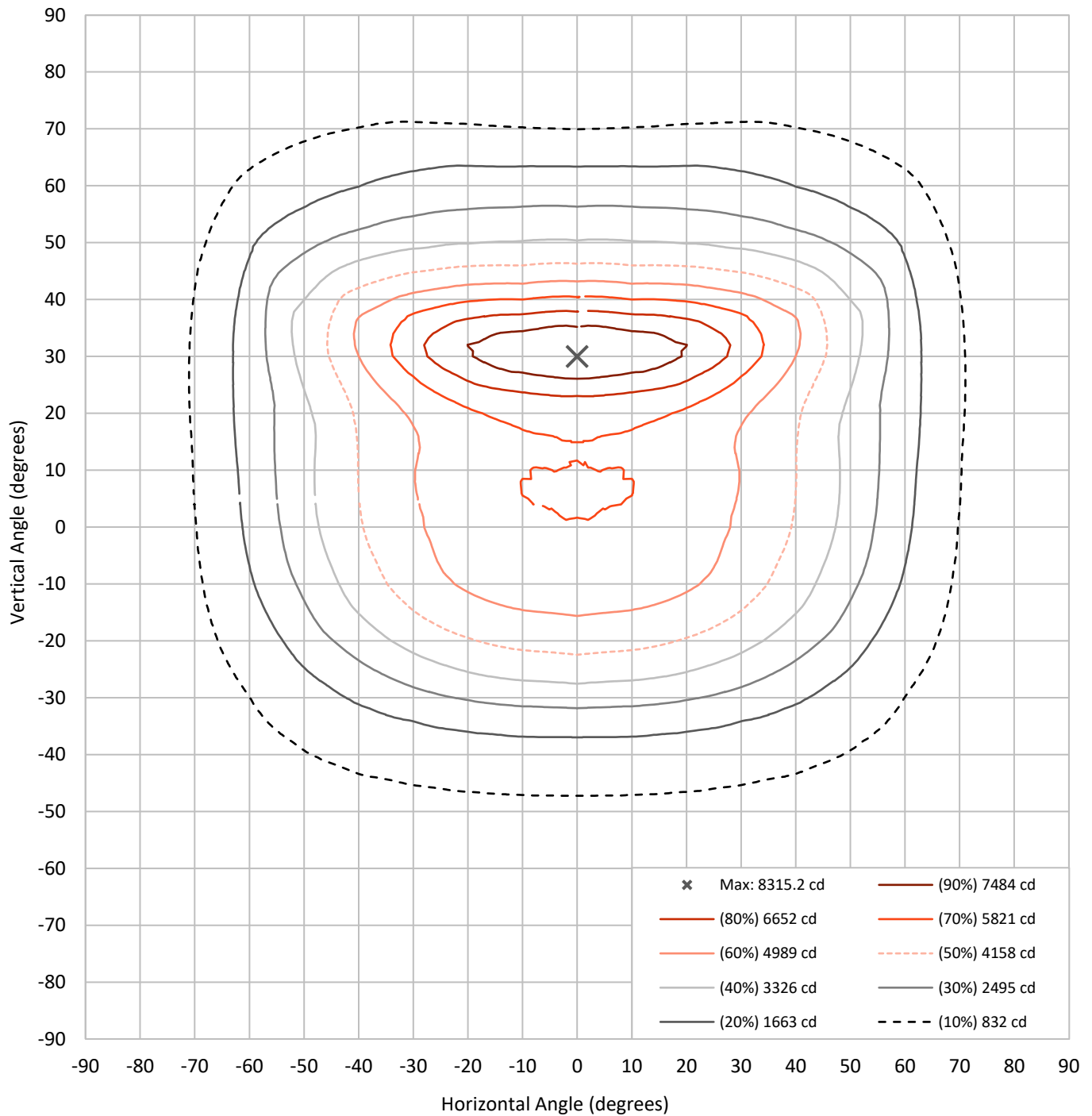
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	13880.1 lumens	Max Intensity:	8315.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	107.9 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	8071.5 lumens	Field Lumens:	13007.5 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: P722177
CATALOG NUMBER: IFLD-M-SA4A-827-U-76

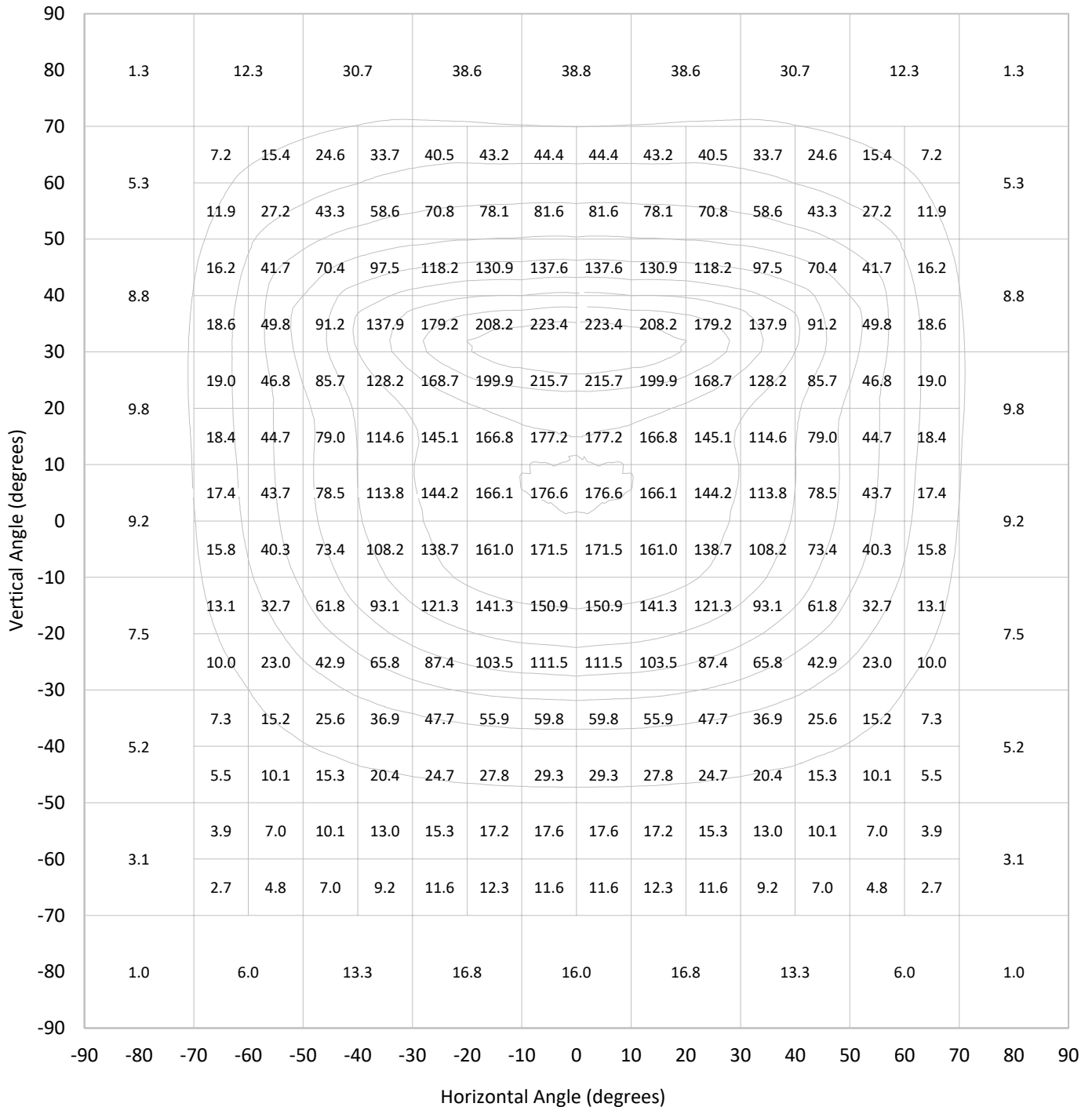
Iso-Candela Plot





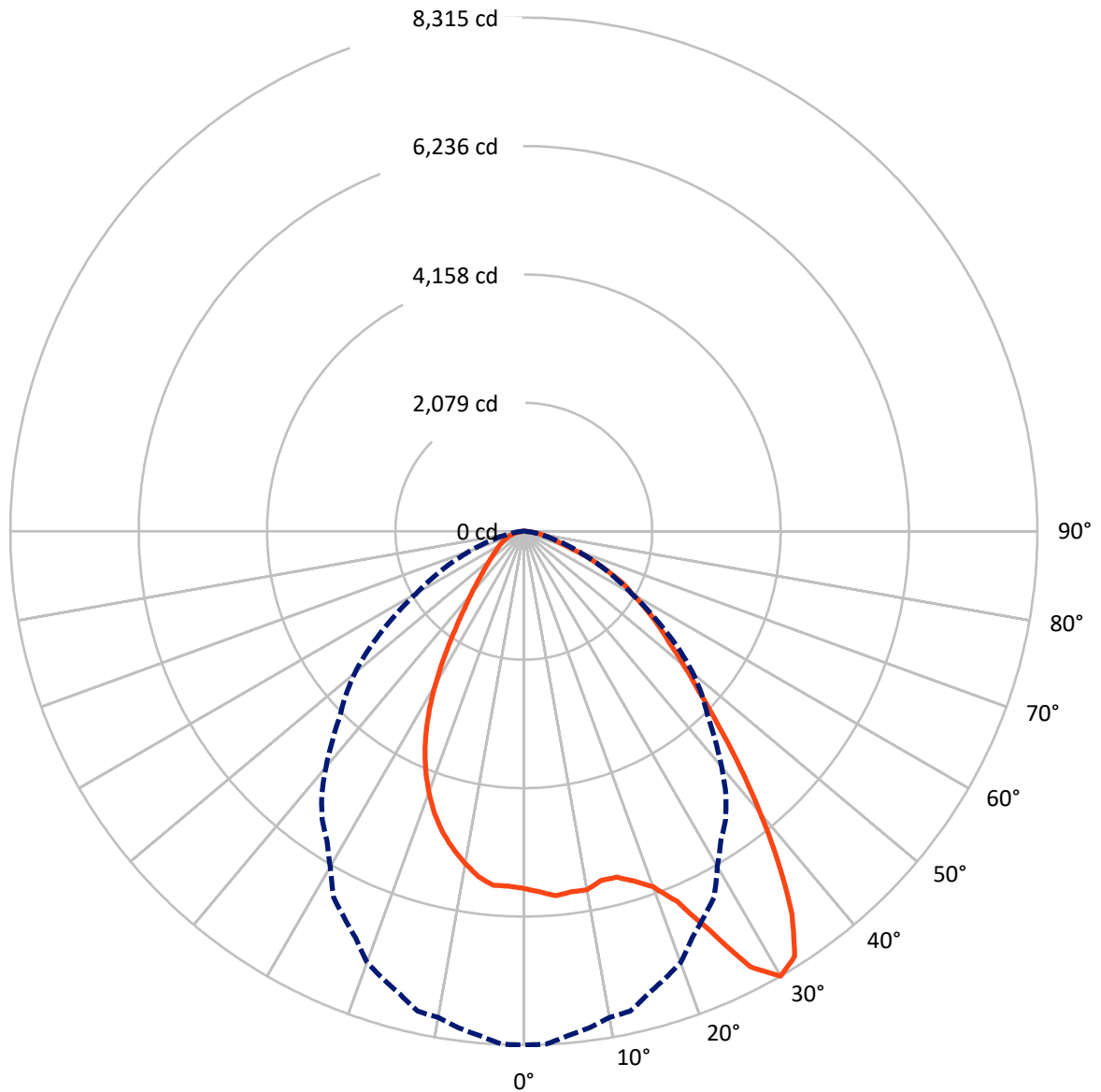
REPORT NUMBER: P722177
 CATALOG NUMBER: IFLD-M-SA4A-827-U-76

Lumen Table



REPORT NUMBER: P722177
CATALOG NUMBER: IFLD-M-SA4A-827-U-76

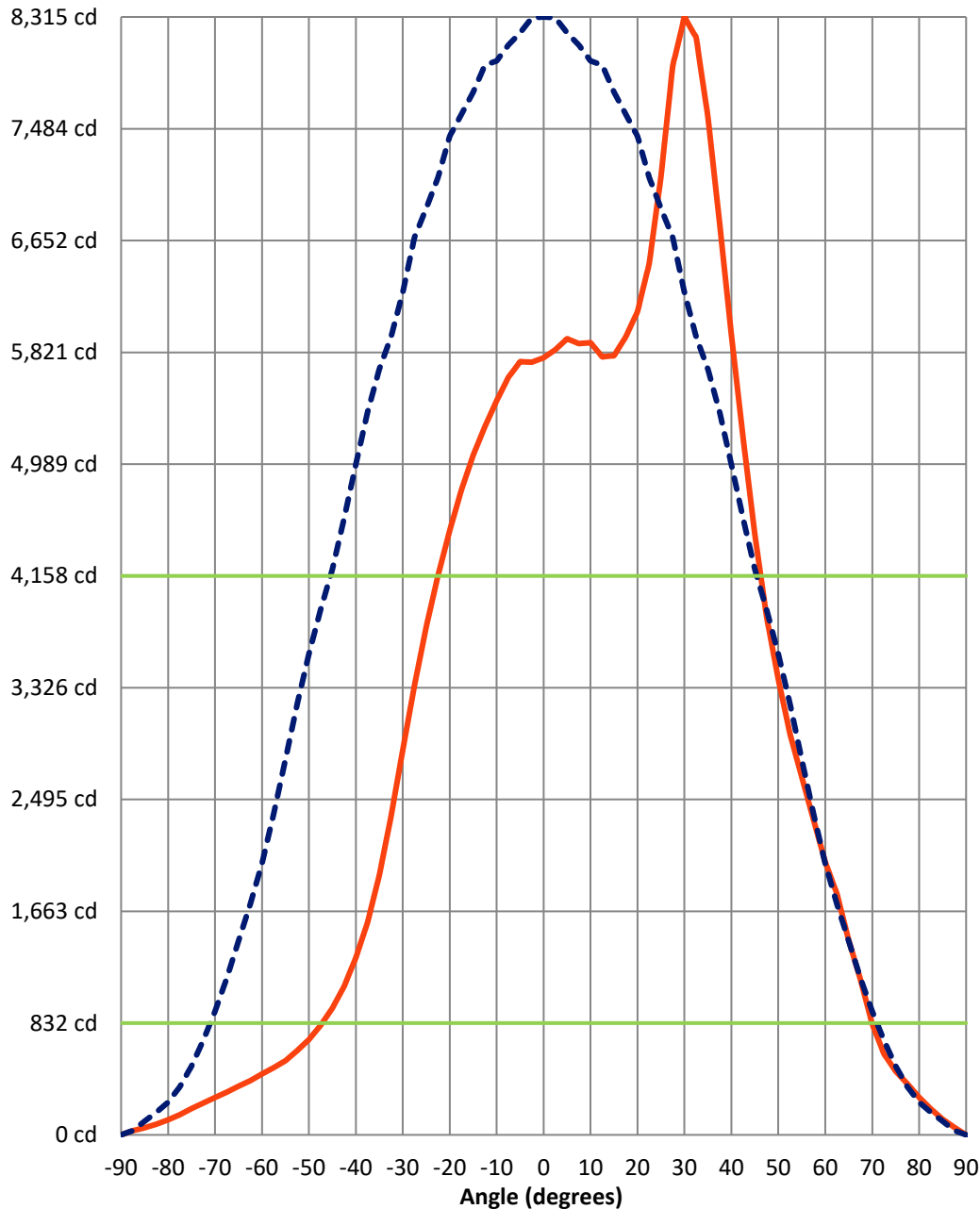
Luminous Intensity Polar Plot



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

REPORT NUMBER: P722177
 CATALOG NUMBER: IFLD-M-SA4A-827-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 8071.5
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 13007.5
 Efficiency: 93.7%

Spill:
 Lumens: 872.6
 Efficiency: 6.3%

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



REPORT NUMBER: P722177
 CATALOG NUMBER: IFLD-M-SA4A-827-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°	55.9	57.3	58.8	58.8	57.3	57.3	57.3	55.9	57.3	57.3	57.3
85°	116.2	119.1	122.0	120.6	119.1	116.2	113.2	114.7	116.2	117.6	117.6
82.5°	192.6	197.0	200.0	198.5	195.6	192.6	189.7	191.2	194.1	195.6	195.6
80°	279.4	280.8	282.3	285.3	280.8	280.8	279.4	285.3	288.2	291.1	294.1
77.5°	379.4	380.8	380.8	382.3	383.8	385.2	385.2	395.5	402.9	407.3	411.7
75°	473.5	477.9	482.3	486.7	492.6	495.5	499.9	514.6	526.4	535.2	544.1
72.5°	602.9	608.8	616.1	626.4	636.7	644.0	654.3	672.0	685.2	694.0	704.3
70°	824.9	830.8	838.1	845.5	855.8	863.1	873.4	895.5	908.7	914.6	920.5
67.5°	1154.3	1169.0	1182.2	1167.5	1160.2	1149.9	1152.8	1173.4	1186.6	1195.4	1194.0
65°	1446.9	1457.2	1457.2	1455.7	1449.8	1436.6	1443.9	1468.9	1483.6	1491.0	1468.9
62.5°	1791.0	1791.0	1783.6	1795.4	1796.8	1788.0	1783.6	1785.1	1786.6	1791.0	1754.2
60°	2029.2	2043.9	2048.3	2058.6	2061.5	2061.5	2068.9	2074.8	2074.8	2065.9	2023.3
57.5°	2343.8	2371.8	2377.7	2370.3	2355.6	2336.5	2333.5	2324.7	2307.1	2289.4	2268.8
55°	2661.4	2676.2	2674.7	2670.3	2655.6	2633.5	2636.4	2624.7	2596.7	2574.7	2546.8
52.5°	2980.5	3015.8	3021.7	3012.9	2992.3	2968.8	2970.2	2957.0	2929.1	2905.5	2867.3
50°	3387.8	3417.2	3414.3	3399.6	3370.2	3352.5	3354.0	3329.0	3296.7	3289.3	3239.3
47.5°	3854.0	3887.8	3881.9	3861.3	3821.6	3814.2	3821.6	3789.3	3770.1	3754.0	3695.1
45°	4465.6	4505.3	4483.3	4443.6	4380.4	4387.7	4398.0	4392.1	4351.0	4308.3	4233.3
42.5°	5183.2	5208.2	5181.7	5142.0	5062.6	5077.3	5071.5	5036.2	5011.2	4940.6	4845.0
40°	5950.8	6005.2	5964.0	5902.2	5819.9	5841.9	5825.8	5780.2	5721.4	5633.2	5512.6
37.5°	6778.6	6821.2	6774.2	6702.1	6628.6	6621.3	6588.9	6518.3	6434.5	6337.5	6144.9
35°	7571.2	7681.4	7594.7	7480.0	7390.3	7356.5	7325.6	7162.4	7066.8	6909.5	6646.3
32.5°	8160.8	8241.7	8134.3	8015.2	7906.4	7859.4	7750.5	7556.4	7505.0	7174.1	6933.0
30°	8315.2	8309.3	8197.5	8106.4	7988.8	7956.4	7756.4	7591.7	7427.1	7121.2	6891.8
27.5°	7947.6	7910.8	7803.5	7724.1	7607.9	7569.7	7372.6	7284.4	7030.0	6771.2	6577.2
25°	7128.6	7147.7	7066.8	7027.1	6950.6	6868.3	6790.4	6671.3	6512.5	6286.0	6108.1
22.5°	6483.0	6508.0	6474.2	6427.2	6368.4	6322.8	6264.0	6171.3	6018.4	5878.7	5711.1
20°	6124.3	6116.9	6087.5	6052.2	5996.3	5964.0	5899.3	5821.4	5703.7	5583.2	5402.3
17.5°	5936.1	5890.5	5862.5	5849.3	5819.9	5778.7	5702.3	5622.9	5531.7	5394.9	5262.6
15°	5796.4	5803.7	5781.7	5771.4	5747.8	5690.5	5612.6	5547.9	5424.4	5355.2	5234.7
12.5°	5787.5	5780.2	5781.7	5777.3	5747.8	5674.3	5634.6	5552.3	5472.9	5381.7	5243.5
10°	5891.9	5814.0	5819.9	5840.5	5793.4	5734.6	5692.0	5602.3	5527.3	5411.1	5274.4
7.5°	5886.1	5846.4	5858.1	5824.3	5839.0	5767.0	5708.1	5618.4	5524.3	5400.8	5277.3
5°	5921.4	5861.1	5850.8	5853.7	5817.0	5762.5	5683.1	5597.9	5509.6	5371.4	5245.0
2.5°	5840.5	5849.3	5802.2	5784.6	5780.2	5689.0	5615.5	5533.2	5442.0	5320.0	5206.7
0°	5780.2	5796.4	5747.8	5722.8	5721.4	5643.4	5596.4	5502.3	5437.6	5336.1	5199.4
-2.5°	5747.8	5767.0	5772.8	5727.3	5683.1	5622.9	5543.5	5442.0	5336.1	5218.5	5100.9
-5°	5750.8	5712.6	5696.4	5711.1	5672.9	5612.6	5524.3	5434.6	5330.2	5203.8	5056.7
-7.5°	5634.6	5596.4	5593.4	5586.1	5577.3	5519.9	5446.4	5349.4	5243.5	5125.9	4989.1
-10°	5461.1	5433.2	5425.8	5418.5	5394.9	5361.1	5292.0	5203.8	5108.2	4990.6	4845.0
-12.5°	5268.5	5255.3	5227.3	5208.2	5184.7	5145.0	5078.8	4997.9	4902.4	4798.0	4673.0
-15°	5055.3	5030.3	5002.3	4986.2	4952.3	4905.3	4839.1	4764.1	4659.7	4556.8	4439.2
-17.5°	4798.0	4767.1	4736.2	4731.8	4708.3	4636.2	4574.5	4483.3	4392.1	4293.6	4178.9
-20°	4495.1	4452.4	4431.8	4420.1	4387.7	4334.8	4268.6	4184.8	4096.6	4002.5	3870.1



REPORT NUMBER: P722177
 CATALOG NUMBER: IFLD-M-SA4A-827-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	4159.8	4123.0	4087.7	4065.7	4037.8	3996.6	3933.4	3859.8	3773.1	3667.2	3545.2
-25°	3779.0	3727.5	3705.4	3680.4	3665.7	3627.5	3565.8	3498.1	3408.4	3305.5	3189.3
-27.5°	3343.7	3302.5	3290.8	3255.5	3237.8	3198.1	3146.7	3083.5	3001.1	2904.1	2808.5
-30°	2862.9	2837.9	2818.8	2783.5	2770.3	2727.6	2693.8	2640.9	2565.9	2496.8	2420.3
-32.5°	2368.8	2343.8	2338.0	2321.8	2313.0	2285.0	2246.8	2208.6	2148.3	2096.8	2035.1
-35°	1930.7	1913.0	1914.5	1913.0	1904.2	1883.6	1836.5	1826.3	1782.1	1735.1	1695.4
-37.5°	1580.7	1582.2	1580.7	1579.2	1567.5	1558.6	1524.8	1511.6	1485.1	1439.5	1416.0
-40°	1317.5	1320.4	1319.0	1316.0	1302.8	1298.4	1276.3	1258.7	1248.4	1216.0	1191.0
-42.5°	1104.3	1108.7	1107.2	1105.8	1096.9	1095.5	1083.7	1063.1	1057.2	1038.1	1011.6
-45°	942.5	941.1	938.1	941.1	936.7	932.2	924.9	911.7	904.3	895.5	873.4
-47.5°	814.6	816.1	813.1	813.1	807.3	802.8	799.9	791.1	785.2	777.8	764.6
-50°	708.7	714.6	713.2	711.7	707.3	704.3	704.3	695.5	686.7	683.7	674.9
-52.5°	626.4	630.8	632.3	635.2	636.7	638.2	633.7	624.9	610.2	608.8	604.3
-55°	551.4	564.6	573.5	579.3	585.2	589.6	580.8	569.0	554.3	548.5	547.0
-57.5°	499.9	513.2	523.5	532.3	539.6	547.0	538.2	526.4	513.2	505.8	504.4
-60°	452.9	464.7	474.9	486.7	497.0	508.8	504.4	495.5	488.2	482.3	476.4
-62.5°	402.9	414.7	426.4	441.1	454.4	466.1	467.6	466.1	464.7	466.1	455.8
-65°	361.7	367.6	375.0	391.1	405.8	419.1	426.4	430.8	438.2	445.5	435.2
-67.5°	317.6	325.0	333.8	345.5	357.3	366.1	376.4	388.2	400.0	411.7	404.4
-70°	277.9	283.8	291.1	297.0	304.4	310.3	319.1	332.3	345.5	357.3	354.4
-72.5°	236.7	242.6	247.0	250.0	254.4	257.3	261.7	273.5	282.3	288.2	288.2
-75°	195.6	201.4	205.9	207.3	210.3	211.7	214.7	219.1	223.5	225.0	226.4
-77.5°	150.0	155.9	160.3	163.2	166.2	169.1	170.6	173.5	175.0	175.0	176.4
-80°	111.8	116.2	119.1	123.5	125.0	127.9	130.9	132.3	133.8	133.8	135.3
-82.5°	79.4	82.3	85.3	88.2	91.2	92.6	95.6	97.0	98.5	100.0	101.5
-85°	52.9	55.9	58.8	61.8	63.2	64.7	66.2	67.6	69.1	70.6	72.1
-87.5°	30.9	32.3	33.8	36.8	38.2	41.2	42.6	41.2	42.6	42.6	42.6
-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: P722177
 CATALOG NUMBER: IFLD-M-SA4A-827-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°	57.3	57.3	57.3	57.3	55.9	52.9	51.5	48.5	45.6	42.6	39.7
85°	119.1	120.6	120.6	120.6	117.6	116.2	111.8	107.3	101.5	92.6	85.3
82.5°	198.5	200.0	200.0	198.5	195.6	191.2	185.3	177.9	166.2	154.4	144.1
80°	298.5	300.0	300.0	298.5	291.1	283.8	276.4	267.6	252.9	236.7	219.1
77.5°	417.6	420.5	420.5	416.1	405.8	397.0	385.2	370.5	348.5	325.0	301.4
75°	555.8	563.2	564.6	560.2	547.0	530.8	511.7	486.7	452.9	423.5	395.5
72.5°	716.1	723.4	729.3	723.4	704.3	682.3	654.3	624.9	591.1	551.4	504.4
70°	926.4	933.7	938.1	919.0	885.2	848.4	814.6	780.8	741.1	692.6	641.1
67.5°	1191.0	1183.7	1174.9	1136.6	1094.0	1049.9	1002.8	952.8	901.4	849.9	789.6
65°	1445.4	1424.8	1405.7	1360.1	1305.7	1248.4	1194.0	1138.1	1076.3	1011.6	954.3
62.5°	1713.0	1668.9	1621.9	1566.0	1510.1	1446.9	1392.5	1326.3	1257.2	1177.8	1104.3
60°	1976.2	1923.3	1876.2	1807.1	1733.6	1648.3	1589.5	1524.8	1443.9	1358.7	1271.9
57.5°	2230.6	2173.3	2121.8	2061.5	1982.1	1889.5	1824.8	1741.0	1655.7	1548.3	1460.1
55°	2501.2	2443.8	2402.7	2335.0	2248.3	2163.0	2092.4	2004.2	1885.1	1770.4	1661.6
52.5°	2811.4	2765.8	2721.7	2652.6	2548.2	2461.5	2383.5	2285.0	2160.0	2018.9	1888.0
50°	3158.4	3134.9	3087.9	3007.0	2887.9	2811.4	2708.5	2577.6	2443.8	2295.3	2132.1
47.5°	3618.7	3580.5	3514.3	3426.1	3326.1	3211.4	3073.2	2920.2	2730.6	2565.9	2392.4
45°	4168.6	4098.0	4012.8	3893.7	3770.1	3640.7	3489.3	3295.2	3040.8	2826.1	2643.8
42.5°	4764.1	4668.6	4552.4	4396.5	4236.3	4077.5	3914.2	3649.6	3332.0	3084.9	2879.1
40°	5386.1	5264.1	5118.5	4892.1	4714.1	4509.8	4323.0	3927.5	3589.3	3321.7	3102.6
37.5°	5994.9	5840.5	5596.4	5321.4	5114.1	4946.5	4536.2	4112.7	3809.8	3515.8	3293.7
35°	6461.0	6330.1	5899.3	5614.0	5436.1	5171.4	4658.3	4224.5	3903.9	3659.9	3314.3
32.5°	6737.4	6399.2	6021.3	5733.1	5586.1	5152.3	4667.1	4256.8	3948.1	3674.6	3261.4
30°	6675.7	6266.9	5936.1	5694.9	5375.8	4986.2	4584.7	4206.9	3906.9	3576.0	3202.6
27.5°	6303.7	5987.5	5692.0	5440.5	5127.3	4777.4	4406.8	4074.5	3795.1	3474.6	3121.7
25°	5883.1	5596.4	5377.3	5158.2	4861.2	4527.4	4201.0	3961.3	3680.4	3364.3	3015.8
22.5°	5496.4	5290.5	5118.5	4889.1	4599.5	4308.3	4105.4	3856.9	3568.7	3248.1	2907.0
20°	5249.4	5109.7	4912.6	4659.7	4431.8	4249.5	4024.5	3761.3	3464.3	3129.0	2814.4
17.5°	5130.3	4968.5	4749.4	4584.7	4409.8	4209.8	3958.4	3679.0	3362.8	3074.6	2824.7
15°	5068.5	4897.9	4753.8	4592.1	4395.1	4184.8	3905.4	3615.7	3362.8	3096.7	2832.0
12.5°	5081.7	4934.7	4777.4	4600.9	4389.2	4164.2	3911.3	3642.2	3380.5	3112.9	2833.5
10°	5122.9	4968.5	4800.9	4605.3	4392.1	4170.1	3927.5	3658.4	3389.3	3120.2	2830.5
7.5°	5137.6	4970.0	4790.6	4593.6	4384.8	4167.1	3930.4	3662.8	3390.8	3118.7	2821.7
5°	5092.0	4940.6	4767.1	4568.6	4364.2	4152.4	3918.6	3656.9	3379.0	3104.0	2799.7
2.5°	5030.3	4908.2	4742.1	4550.9	4343.6	4131.9	3899.5	3630.4	3352.5	3077.6	2771.7
0°	5020.0	4868.5	4700.9	4530.3	4309.8	4086.3	3855.4	3580.5	3304.0	3027.6	2723.2
-2.5°	4952.3	4792.1	4624.4	4439.2	4245.1	4020.1	3777.5	3508.4	3234.9	2962.9	2670.3
-5°	4900.9	4723.0	4545.0	4345.1	4149.5	3924.5	3673.1	3411.4	3143.7	2879.1	2596.7
-7.5°	4831.8	4649.4	4462.7	4253.9	4042.2	3812.8	3564.3	3302.5	3039.3	2776.1	2505.6
-10°	4692.1	4531.8	4356.8	4140.7	3917.2	3687.8	3440.8	3183.4	2920.2	2654.1	2382.1
-12.5°	4523.0	4353.9	4162.7	3964.2	3764.3	3551.0	3304.0	3051.1	2786.4	2518.8	2248.3
-15°	4303.9	4137.7	3942.2	3748.1	3555.5	3351.1	3133.4	2905.5	2636.4	2373.2	2102.7
-17.5°	4030.4	3874.5	3699.6	3514.3	3323.1	3117.3	2905.5	2712.9	2461.5	2214.4	1946.8
-20°	3736.3	3590.7	3433.4	3258.4	3067.3	2865.8	2665.9	2464.4	2246.8	2029.2	1780.7



REPORT NUMBER: P722177
 CATALOG NUMBER: IFLD-M-SA4A-827-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	3430.5	3283.4	3124.6	2961.4	2785.0	2598.2	2412.9	2220.3	2029.2	1832.1	1621.9
-25°	3077.6	2948.2	2802.6	2643.8	2486.5	2323.3	2146.8	1971.8	1808.6	1638.0	1466.0
-27.5°	2708.5	2589.4	2457.1	2318.8	2183.6	2046.8	1893.9	1732.1	1596.9	1455.7	1313.1
-30°	2320.3	2224.7	2117.4	1996.8	1892.4	1782.1	1654.2	1520.4	1396.9	1289.6	1174.9
-32.5°	1952.7	1871.8	1795.4	1716.0	1613.0	1527.8	1439.5	1341.0	1232.2	1130.7	1048.4
-35°	1636.6	1549.8	1517.5	1458.6	1385.1	1310.1	1245.4	1174.9	1092.5	1002.8	935.2
-37.5°	1370.4	1319.0	1273.4	1241.0	1192.5	1132.2	1080.8	1029.3	966.1	898.4	830.8
-40°	1163.1	1127.8	1077.8	1061.6	1030.8	989.6	936.7	897.0	854.3	802.8	745.5
-42.5°	996.9	970.5	938.1	910.2	897.0	867.5	826.4	788.1	754.3	719.0	674.9
-45°	860.2	842.5	822.0	797.0	786.7	763.1	733.7	691.1	672.0	642.6	610.2
-47.5°	749.9	741.1	726.4	710.2	695.5	677.9	651.4	624.9	598.5	579.3	554.3
-50°	663.2	657.3	648.5	635.2	616.1	604.3	586.7	563.2	538.2	522.0	504.4
-52.5°	594.0	588.2	582.3	572.0	557.3	545.5	530.8	511.7	491.1	474.9	460.2
-55°	541.1	532.3	527.9	519.1	507.3	494.1	480.8	467.6	449.9	435.2	420.5
-57.5°	499.9	488.2	482.3	474.9	463.2	449.9	439.7	426.4	414.7	398.5	385.2
-60°	467.6	454.4	442.6	435.2	424.9	411.7	401.4	391.1	379.4	366.1	350.0
-62.5°	441.1	424.9	408.8	400.0	389.7	377.9	367.6	357.3	345.5	332.3	317.6
-65°	416.1	397.0	376.4	367.6	357.3	345.5	332.3	325.0	314.7	302.9	288.2
-67.5°	385.2	364.7	347.0	336.7	326.4	316.1	304.4	297.0	286.7	272.0	257.3
-70°	339.7	326.4	314.7	305.8	297.0	288.2	276.4	264.7	252.9	239.7	226.4
-72.5°	282.3	277.9	276.4	272.0	261.7	251.4	239.7	227.9	217.6	207.3	197.0
-75°	227.9	230.9	233.8	232.3	222.0	211.7	201.4	191.2	183.8	175.0	166.2
-77.5°	180.9	183.8	186.7	186.7	179.4	173.5	166.2	158.8	152.9	145.6	136.7
-80°	139.7	144.1	148.5	151.5	145.6	141.2	135.3	129.4	123.5	117.6	111.8
-82.5°	105.9	110.3	114.7	117.6	113.2	110.3	105.9	101.5	97.0	91.2	86.8
-85°	76.5	79.4	82.3	83.8	80.9	77.9	75.0	72.1	69.1	64.7	61.8
-87.5°	44.1	45.6	47.1	48.5	45.6	42.6	41.2	38.2	36.8	33.8	32.3
-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: P722177
 CATALOG NUMBER: IFLD-M-SA4A-827-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	33.8	30.9	29.4	26.5	22.1	19.1	16.2	13.2	10.3	8.8
85°	77.9	70.6	61.8	57.3	51.5	45.6	39.7	33.8	27.9	22.1	16.2
82.5°	133.8	125.0	116.2	105.9	92.6	76.5	60.3	50.0	41.2	32.3	25.0
80°	201.4	185.3	170.6	157.3	142.6	122.0	100.0	79.4	55.9	42.6	32.3
77.5°	279.4	260.3	239.7	217.6	194.1	166.2	141.2	114.7	86.8	58.8	41.2
75°	367.6	342.6	314.7	283.8	252.9	216.2	180.9	150.0	117.6	82.3	50.0
72.5°	466.1	435.2	401.4	360.3	311.7	269.1	226.4	185.3	147.0	104.4	67.6
70°	592.6	544.1	494.1	449.9	388.2	320.5	270.6	223.5	175.0	127.9	85.3
67.5°	727.9	669.0	608.8	544.1	466.1	386.7	314.7	261.7	204.4	150.0	101.5
65°	874.9	801.4	724.9	652.9	545.5	451.4	370.5	298.5	232.3	170.6	117.6
62.5°	1026.3	939.6	851.4	757.3	633.7	517.6	423.5	339.7	258.8	189.7	132.3
60°	1188.1	1086.6	979.3	861.7	717.6	589.6	473.5	382.3	286.7	208.8	148.5
57.5°	1358.7	1248.4	1121.9	963.1	804.3	658.7	530.8	420.5	311.7	226.4	160.3
55°	1543.9	1417.5	1279.3	1069.0	889.6	727.9	588.2	458.8	338.2	241.1	172.0
52.5°	1743.9	1596.9	1421.9	1180.7	979.3	798.4	641.1	492.6	363.2	257.3	182.3
50°	1967.4	1782.1	1546.9	1283.7	1057.2	864.6	694.0	529.3	383.8	275.0	191.2
47.5°	2199.7	1999.8	1658.6	1379.2	1136.6	929.3	748.4	561.7	404.4	289.7	200.0
45°	2442.4	2151.2	1774.8	1464.5	1205.7	988.1	789.6	591.1	429.4	302.9	207.3
42.5°	2682.0	2265.9	1876.2	1549.8	1270.4	1041.1	823.4	619.0	449.9	316.1	214.7
40°	2795.3	2352.7	1957.1	1608.6	1324.8	1088.1	852.8	644.0	467.6	325.0	222.0
37.5°	2842.3	2405.6	2010.1	1664.5	1367.5	1113.1	877.8	666.1	482.3	333.8	227.9
35°	2852.6	2424.7	2036.5	1702.7	1402.8	1136.6	897.0	682.3	494.1	342.6	233.8
32.5°	2833.5	2418.8	2043.9	1716.0	1424.8	1154.3	910.2	694.0	502.9	351.4	239.7
30°	2790.8	2387.9	2017.4	1714.5	1441.0	1164.6	919.0	702.9	511.7	357.3	242.6
27.5°	2721.7	2333.5	1983.6	1716.0	1449.8	1169.0	923.4	707.3	517.6	361.7	248.5
25°	2636.4	2260.0	1985.1	1713.0	1451.3	1170.4	923.4	707.3	519.1	363.2	252.9
22.5°	2537.9	2260.0	1985.1	1708.6	1442.5	1167.5	919.0	704.3	519.1	366.1	257.3
20°	2543.8	2261.5	1980.6	1699.8	1429.2	1158.7	908.7	697.0	514.6	370.5	260.3
17.5°	2548.2	2258.6	1971.8	1688.0	1411.6	1144.0	895.5	686.7	514.6	375.0	261.7
15°	2548.2	2249.7	1958.6	1670.4	1389.5	1123.4	876.4	677.9	516.1	376.4	264.7
12.5°	2543.8	2233.6	1938.0	1646.9	1363.1	1098.4	864.6	674.9	516.1	377.9	264.7
10°	2535.0	2211.5	1911.5	1617.5	1338.1	1089.6	858.7	669.0	513.2	377.9	264.7
7.5°	2518.8	2185.0	1889.5	1599.8	1323.4	1079.3	849.9	660.2	508.8	375.0	267.6
5°	2493.8	2170.3	1871.8	1579.2	1302.8	1071.9	844.0	652.9	505.8	375.0	264.7
2.5°	2461.5	2152.7	1851.2	1552.8	1279.3	1046.9	824.9	636.7	495.5	369.1	261.7
0°	2408.5	2117.4	1816.0	1516.0	1246.9	1021.9	805.8	620.5	485.2	363.2	258.8
-2.5°	2360.0	2070.3	1770.4	1477.8	1216.0	999.9	791.1	611.7	480.8	361.7	257.3
-5°	2292.4	2005.6	1710.1	1427.8	1174.9	977.8	776.4	601.4	476.4	358.8	257.3
-7.5°	2217.4	1938.0	1646.9	1376.3	1133.7	939.6	748.4	585.2	466.1	352.9	255.9
-10°	2101.2	1836.5	1567.5	1317.5	1089.6	905.8	724.9	570.5	457.3	347.0	250.0
-12.5°	1977.7	1724.8	1476.3	1245.4	1039.6	870.5	698.4	554.3	447.0	341.1	247.0
-15°	1846.8	1610.1	1380.7	1170.4	985.2	827.8	670.5	536.7	436.7	333.8	242.6
-17.5°	1710.1	1489.5	1282.2	1094.0	930.8	783.7	641.1	520.5	424.9	326.4	238.2
-20°	1566.0	1366.0	1182.2	1016.1	873.4	739.6	610.2	501.4	411.7	317.6	232.3



REPORT NUMBER: P722177
 CATALOG NUMBER: IFLD-M-SA4A-827-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1423.4	1244.0	1079.3	939.6	814.6	694.0	579.3	482.3	397.0	307.3	227.9
-25°	1296.9	1129.3	988.1	866.1	757.3	649.9	547.0	463.2	380.8	297.0	222.0
-27.5°	1173.4	1030.8	898.4	797.0	701.4	607.3	516.1	442.6	364.7	285.3	216.2
-30°	1058.7	936.7	827.8	729.3	648.5	569.0	489.6	422.0	347.0	273.5	208.8
-32.5°	954.3	855.8	764.6	670.5	598.5	530.8	464.7	401.4	329.4	261.7	201.4
-35°	857.3	780.8	701.4	622.0	548.5	495.5	438.2	379.4	313.2	248.5	194.1
-37.5°	770.5	708.7	645.5	577.9	514.6	461.7	413.2	357.3	297.0	236.7	186.7
-40°	695.5	645.5	589.6	535.2	482.3	432.3	388.2	335.3	280.8	227.9	179.4
-42.5°	626.4	588.2	542.6	497.0	449.9	405.8	363.2	311.7	264.7	217.6	172.0
-45°	573.5	535.2	498.5	457.3	417.6	379.4	336.7	291.1	250.0	205.9	164.7
-47.5°	523.5	489.6	455.8	422.0	389.7	354.4	311.7	273.5	233.8	195.6	158.8
-50°	479.4	447.0	417.6	388.2	360.3	326.4	286.7	255.9	220.6	185.3	151.5
-52.5°	438.2	410.2	380.8	357.3	333.8	300.0	267.6	238.2	207.3	173.5	144.1
-55°	401.4	375.0	348.5	326.4	304.4	275.0	248.5	223.5	194.1	164.7	136.7
-57.5°	366.1	344.1	319.1	298.5	276.4	252.9	230.9	207.3	180.9	155.9	129.4
-60°	333.8	313.2	291.1	270.6	251.4	232.3	211.7	192.6	169.1	145.6	122.0
-62.5°	301.4	283.8	264.7	244.1	229.4	211.7	195.6	176.4	157.3	136.7	108.8
-65°	272.0	255.9	238.2	220.6	207.3	194.1	179.4	161.7	145.6	126.5	97.0
-67.5°	242.6	227.9	213.2	198.5	186.7	176.4	161.7	148.5	135.3	114.7	85.3
-70°	214.7	202.9	189.7	177.9	169.1	157.3	147.0	135.3	123.5	100.0	72.1
-72.5°	188.2	176.4	166.2	157.3	150.0	139.7	130.9	122.0	105.9	83.8	60.3
-75°	157.3	150.0	144.1	136.7	129.4	122.0	114.7	104.4	88.2	67.6	47.1
-77.5°	129.4	125.0	120.6	114.7	108.8	102.9	94.1	83.8	70.6	52.9	38.2
-80°	105.9	101.5	98.5	92.6	88.2	82.3	73.5	64.7	51.5	41.2	30.9
-82.5°	80.9	77.9	75.0	72.1	67.6	61.8	52.9	45.6	38.2	30.9	23.5
-85°	57.3	55.9	52.9	50.0	45.6	41.2	35.3	30.9	26.5	20.6	16.2
-87.5°	29.4	27.9	26.5	25.0	23.5	20.6	17.6	14.7	13.2	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: P722177
 CATALOG NUMBER: IFLD-M-SA4A-827-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°	17.6	11.8	4.4	0.0
80°	23.5	14.7	7.4	0.0
77.5°	29.4	17.6	8.8	0.0
75°	35.3	22.1	10.3	0.0
72.5°	39.7	25.0	11.8	0.0
70°	47.1	29.4	13.2	0.0
67.5°	58.8	32.3	14.7	0.0
65°	69.1	35.3	16.2	0.0
62.5°	80.9	38.2	17.6	0.0
60°	91.2	41.2	19.1	0.0
57.5°	101.5	48.5	20.6	0.0
55°	110.3	54.4	22.1	0.0
52.5°	120.6	60.3	23.5	0.0
50°	129.4	66.2	25.0	0.0
47.5°	136.7	72.1	25.0	0.0
45°	142.6	76.5	26.5	0.0
42.5°	147.0	80.9	27.9	0.0
40°	151.5	85.3	29.4	0.0
37.5°	155.9	89.7	29.4	0.0
35°	160.3	94.1	30.9	0.0
32.5°	164.7	98.5	30.9	0.0
30°	167.6	101.5	32.3	0.0
27.5°	172.0	104.4	32.3	0.0
25°	173.5	107.3	33.8	0.0
22.5°	176.4	108.8	33.8	0.0
20°	179.4	111.8	33.8	0.0
17.5°	180.9	113.2	35.3	0.0
15°	180.9	114.7	36.8	0.0
12.5°	182.3	116.2	36.8	0.0
10°	182.3	119.1	35.3	0.0
7.5°	185.3	117.6	35.3	0.0
5°	183.8	117.6	35.3	0.0
2.5°	182.3	116.2	35.3	0.0
0°	180.9	116.2	35.3	0.0
-2.5°	180.9	116.2	35.3	0.0
-5°	180.9	116.2	35.3	0.0
-7.5°	179.4	117.6	35.3	0.0
-10°	176.4	117.6	35.3	0.0
-12.5°	175.0	113.2	35.3	0.0
-15°	173.5	111.8	35.3	0.0
-17.5°	170.6	110.3	33.8	0.0
-20°	167.6	108.8	33.8	0.0



REPORT NUMBER: P722177
 CATALOG NUMBER: IFLD-M-SA4A-827-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	164.7	105.9	33.8	0.0
-25°	161.7	102.9	32.3	0.0
-27.5°	158.8	100.0	32.3	0.0
-30°	154.4	97.0	30.9	0.0
-32.5°	150.0	94.1	30.9	0.0
-35°	147.0	89.7	29.4	0.0
-37.5°	142.6	85.3	29.4	0.0
-40°	138.2	80.9	27.9	0.0
-42.5°	133.8	76.5	26.5	0.0
-45°	127.9	72.1	26.5	0.0
-47.5°	123.5	67.6	25.0	0.0
-50°	116.2	61.8	23.5	0.0
-52.5°	107.3	55.9	22.1	0.0
-55°	98.5	51.5	20.6	0.0
-57.5°	89.7	45.6	20.6	0.0
-60°	80.9	39.7	19.1	0.0
-62.5°	72.1	36.8	17.6	0.0
-65°	63.2	33.8	16.2	0.0
-67.5°	52.9	29.4	14.7	0.0
-70°	44.1	26.5	13.2	0.0
-72.5°	38.2	23.5	11.8	0.0
-75°	32.3	20.6	10.3	0.0
-77.5°	27.9	17.6	8.8	0.0
-80°	22.1	13.2	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)