

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: P722179

Luminaire Tested: **IFLD-M-SA4C-827-U-76**

Issue Date: 10/26/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P722179  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-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**

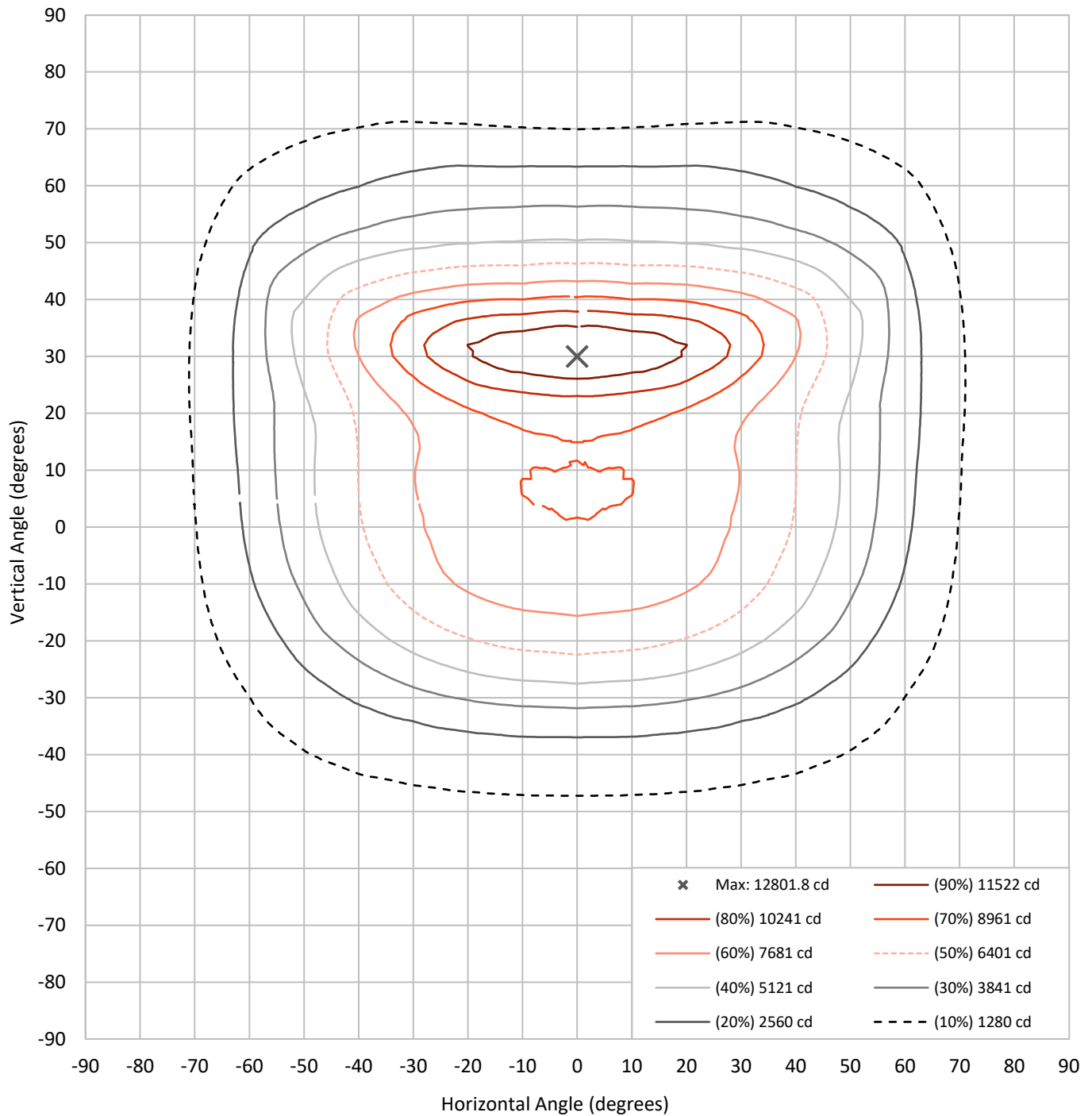
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	21369.3 lumens	Max Intensity:	12801.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	98.0 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	12426.5 lumens	Field Lumens:	20025.8 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 218.1  
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: P722179  
CATALOG NUMBER: IFLD-M-SA4C-827-U-76

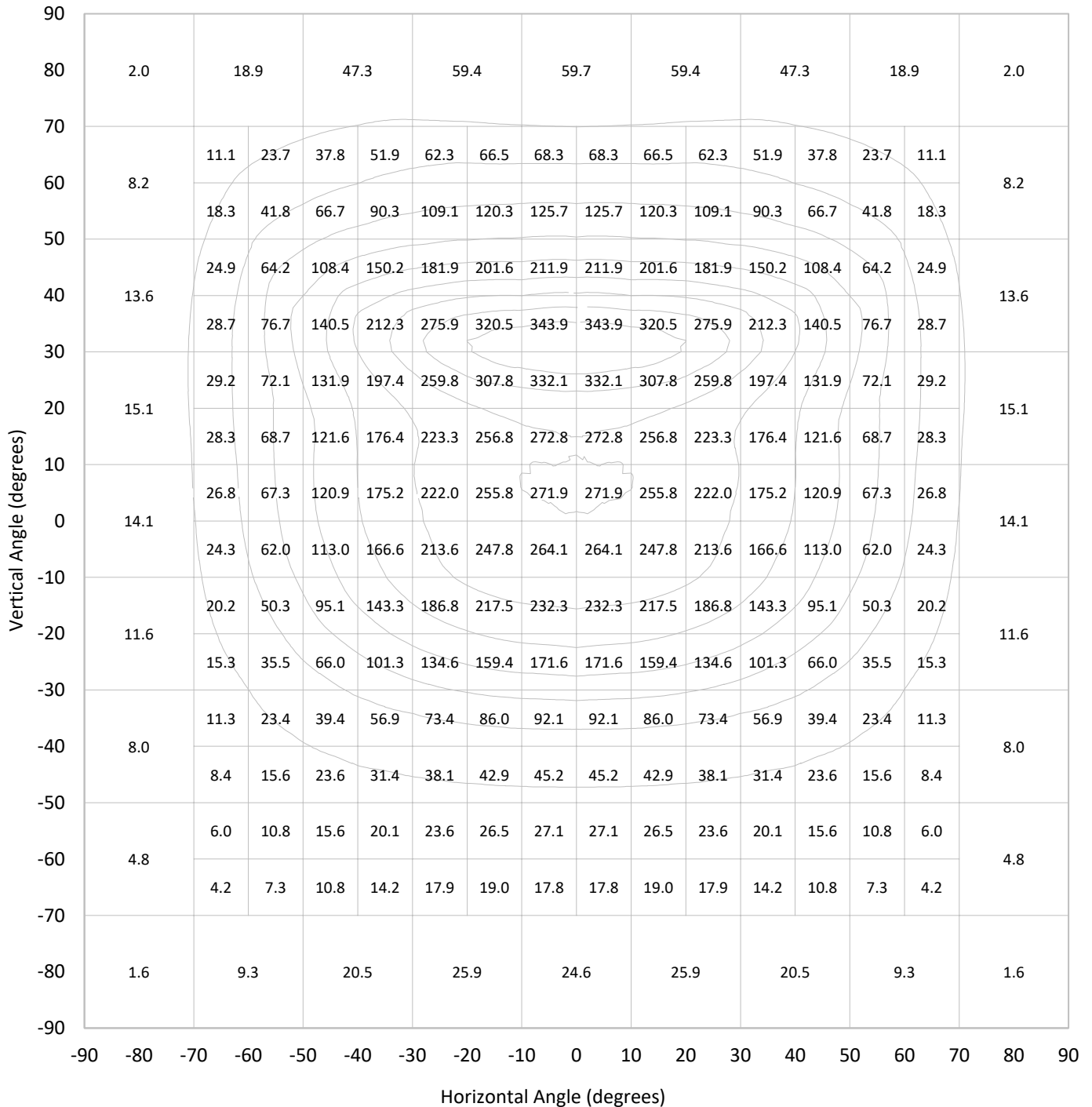
### Iso-Candela Plot





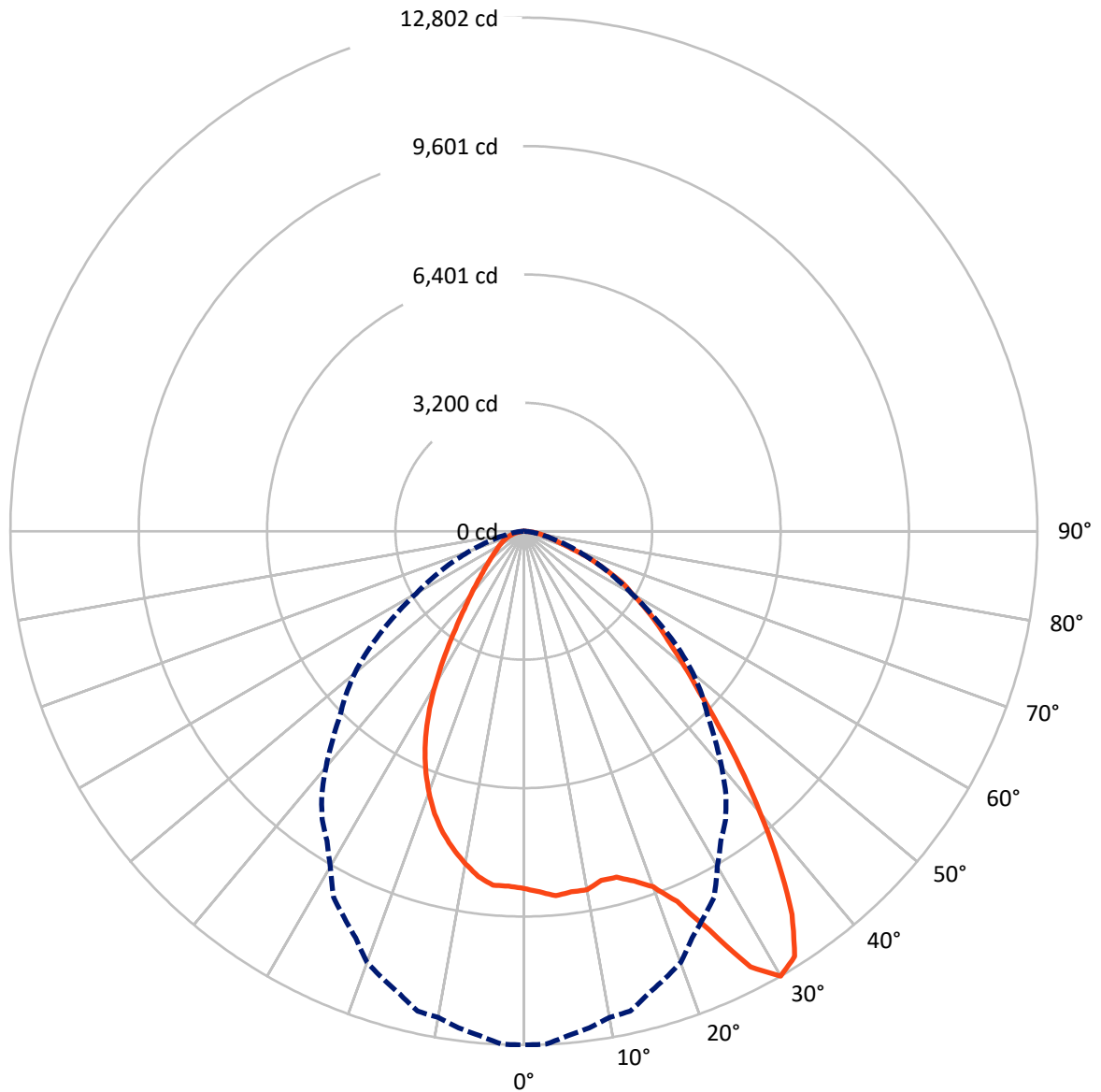
REPORT NUMBER: P722179  
 CATALOG NUMBER: IFLD-M-SA4C-827-U-76

### Lumen Table



REPORT NUMBER: P722179  
CATALOG NUMBER: IFLD-M-SA4C-827-U-76

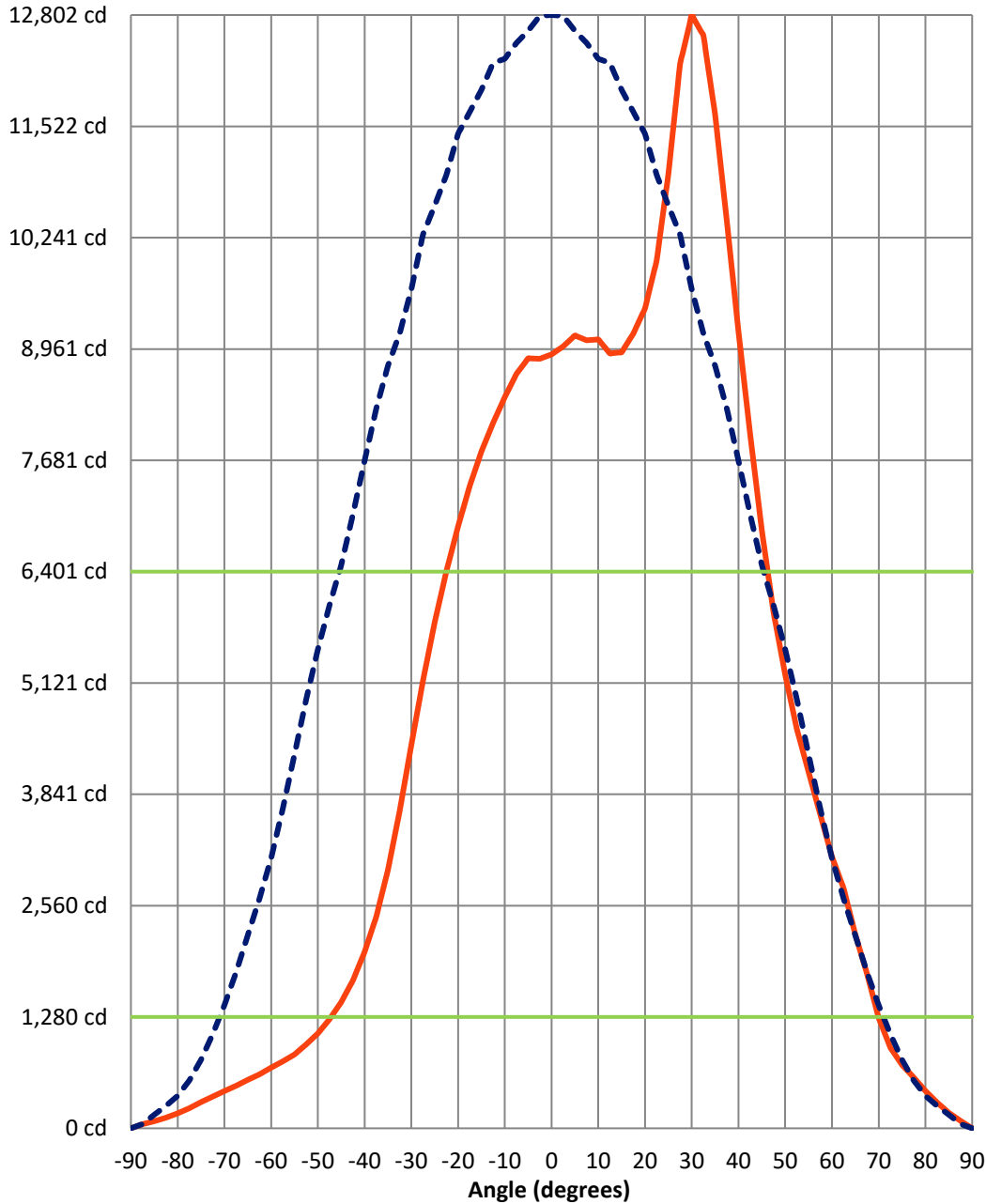
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P722179  
 CATALOG NUMBER: IFLD-M-SA4C-827-U-76

### Luminous Intensity Plot



**Beam:**  
 H Angle: 90.8°  
 V Angle: 68.8°  
 Lumens: 12426.5  
 Efficiency: 58.2%

**Field:**  
 H Angle: 142°  
 V Angle: 117.1°  
 Lumens: 20025.8  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 1343.5  
 Efficiency: 6.3%

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



REPORT NUMBER: P722179  
 CATALOG NUMBER: IFLD-M-SA4C-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°	86.0	88.3	90.6	90.6	88.3	88.3	88.3	86.0	88.3	88.3	88.3
85°	178.8	183.4	187.9	185.6	183.4	178.8	174.3	176.6	178.8	181.1	181.1
82.5°	296.6	303.3	307.9	305.6	301.1	296.6	292.0	294.3	298.8	301.1	301.1
80°	430.1	432.4	434.6	439.2	432.4	432.4	430.1	439.2	443.7	448.2	452.8
77.5°	584.1	586.3	586.3	588.6	590.9	593.1	593.1	609.0	620.3	627.1	633.9
75°	728.9	735.7	742.5	749.3	758.4	762.9	769.7	792.3	810.4	824.0	837.6
72.5°	928.2	937.2	948.5	964.4	980.2	991.5	1007.4	1034.6	1054.9	1068.5	1084.4
70°	1270.0	1279.0	1290.4	1301.7	1317.5	1328.8	1344.7	1378.7	1399.0	1408.1	1417.1
67.5°	1777.1	1799.7	1820.1	1797.5	1786.1	1770.3	1774.8	1806.5	1826.9	1840.5	1838.2
65°	2227.6	2243.4	2243.4	2241.2	2232.1	2211.7	2223.0	2261.5	2284.2	2295.5	2261.5
62.5°	2757.3	2757.3	2746.0	2764.1	2766.4	2752.8	2746.0	2748.2	2750.5	2757.3	2700.7
60°	3124.0	3146.7	3153.5	3169.3	3173.8	3173.8	3185.2	3194.2	3194.2	3180.6	3115.0
57.5°	3608.5	3651.5	3660.6	3649.2	3626.6	3597.2	3592.6	3579.1	3551.9	3524.7	3493.0
55°	4097.5	4120.1	4117.8	4111.0	4088.4	4054.5	4059.0	4040.9	3997.9	3963.9	3920.9
52.5°	4588.7	4643.0	4652.1	4638.5	4606.8	4570.6	4572.9	4552.5	4509.5	4473.3	4414.4
50°	5215.8	5261.1	5256.5	5233.9	5188.6	5161.4	5163.7	5125.2	5075.4	5064.1	4987.1
47.5°	5933.4	5985.5	5976.4	5944.7	5883.6	5872.3	5883.6	5833.8	5804.4	5779.5	5688.9
45°	6875.1	6936.3	6902.3	6841.2	6743.8	6755.2	6771.0	6762.0	6698.6	6632.9	6517.5
42.5°	7979.9	8018.4	7977.6	7916.5	7794.2	7816.9	7807.8	7753.5	7715.0	7606.3	7459.2
40°	9161.6	9245.3	9181.9	9086.9	8960.1	8994.1	8969.1	8899.0	8808.4	8672.6	8487.0
37.5°	10436.1	10501.7	10429.3	10318.4	10205.2	10193.9	10144.1	10035.4	9906.4	9756.9	9460.4
35°	11656.3	11826.1	11692.5	11515.9	11377.8	11325.8	11278.2	11026.9	10879.8	10637.6	10232.3
32.5°	12564.1	12688.6	12523.3	12339.9	12172.4	12100.0	11932.5	11633.6	11554.4	11045.0	10673.8
30°	12801.8	12792.7	12620.6	12480.3	12299.2	12249.4	11941.5	11688.0	11434.4	10963.6	10610.4
27.5°	12235.8	12179.2	12014.0	11891.7	11712.9	11654.0	11350.7	11214.8	10823.2	10424.8	10125.9
25°	10974.9	11004.3	10879.8	10818.7	10701.0	10574.2	10454.2	10270.8	10026.3	9677.7	9403.8
22.5°	9981.1	10019.5	9967.5	9895.0	9804.5	9734.3	9643.8	9501.1	9265.7	9050.6	8792.6
20°	9428.7	9417.4	9372.1	9317.8	9231.7	9181.9	9082.3	8962.4	8781.3	8595.6	8317.2
17.5°	9138.9	9068.8	9025.7	9005.4	8960.1	8896.7	8779.0	8656.7	8516.4	8305.9	8102.1
15°	8923.9	8935.2	8901.2	8885.4	8849.2	8760.9	8640.9	8541.3	8351.1	8244.7	8059.1
12.5°	8910.3	8899.0	8901.2	8894.4	8849.2	8736.0	8674.9	8548.1	8425.8	8285.5	8072.7
10°	9071.0	8951.0	8960.1	8991.8	8919.3	8828.8	8763.1	8625.1	8509.6	8330.8	8120.2
7.5°	9062.0	9000.8	9019.0	8966.9	8989.5	8878.6	8788.0	8650.0	8505.1	8314.9	8124.8
5°	9116.3	9023.5	9007.6	9012.2	8955.6	8871.8	8749.6	8618.3	8482.4	8269.6	8075.0
2.5°	8991.8	9005.4	8932.9	8905.8	8899.0	8758.6	8645.4	8518.7	8378.3	8190.4	8016.1
0°	8899.0	8923.9	8849.2	8810.7	8808.4	8688.4	8616.0	8471.1	8371.5	8215.3	8004.8
-2.5°	8849.2	8878.6	8887.7	8817.5	8749.6	8656.7	8534.5	8378.3	8215.3	8034.2	7853.1
-5°	8853.7	8794.8	8769.9	8792.6	8733.7	8640.9	8505.1	8367.0	8206.3	8011.6	7785.2
-7.5°	8674.9	8616.0	8611.5	8600.2	8586.6	8498.3	8385.1	8235.7	8072.7	7891.6	7681.1
-10°	8407.7	8364.7	8353.4	8342.1	8305.9	8253.8	8147.4	8011.6	7864.4	7683.3	7459.2
-12.5°	8111.2	8090.8	8047.8	8018.4	7982.1	7921.0	7819.1	7694.6	7547.5	7386.8	7194.3
-15°	7782.9	7744.4	7701.4	7676.5	7624.5	7552.0	7450.1	7334.7	7174.0	7015.5	6834.4
-17.5°	7386.8	7339.2	7291.7	7284.9	7248.7	7137.7	7042.7	6902.3	6762.0	6610.3	6433.7
-20°	6920.4	6854.8	6823.1	6805.0	6755.2	6673.7	6571.8	6442.8	6306.9	6162.0	5958.3



REPORT NUMBER: P722179  
 CATALOG NUMBER: IFLD-M-SA4C-827-U-76

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	6404.3	6347.7	6293.3	6259.4	6216.4	6153.0	6055.6	5942.5	5808.9	5645.9	5458.0
-25°	5817.9	5738.7	5704.8	5666.3	5643.6	5584.8	5489.7	5385.6	5247.5	5089.0	4910.2
-27.5°	5147.9	5084.5	5066.4	5012.0	4984.9	4923.8	4844.5	4747.2	4620.4	4471.0	4323.8
-30°	4407.6	4369.1	4339.7	4285.4	4265.0	4199.3	4147.3	4065.8	3950.3	3843.9	3726.2
-32.5°	3647.0	3608.5	3599.4	3574.5	3560.9	3517.9	3459.1	3400.2	3307.4	3228.2	3133.1
-35°	2972.4	2945.2	2947.5	2945.2	2931.6	2899.9	2827.5	2811.6	2743.7	2671.3	2610.2
-37.5°	2433.6	2435.8	2433.6	2431.3	2413.2	2399.6	2347.6	2327.2	2286.4	2216.3	2180.0
-40°	2028.4	2032.9	2030.6	2026.1	2005.7	1998.9	1965.0	1937.8	1922.0	1872.2	1833.7
-42.5°	1700.1	1706.9	1704.6	1702.4	1688.8	1686.5	1668.4	1636.7	1627.7	1598.2	1557.5
-45°	1451.1	1448.8	1444.3	1448.8	1442.0	1435.2	1423.9	1403.6	1392.2	1378.7	1344.7
-47.5°	1254.1	1256.4	1251.9	1251.9	1242.8	1236.0	1231.5	1217.9	1208.9	1197.5	1177.2
-50°	1091.1	1100.2	1097.9	1095.7	1088.9	1084.4	1084.4	1070.8	1057.2	1052.7	1039.1
-52.5°	964.4	971.2	973.4	978.0	980.2	982.5	975.7	962.1	939.5	937.2	930.4
-55°	848.9	869.3	882.9	891.9	901.0	907.8	894.2	876.1	853.5	844.4	842.1
-57.5°	769.7	790.1	805.9	819.5	830.8	842.1	828.5	810.4	790.1	778.7	776.5
-60°	697.2	715.4	731.2	749.3	765.2	783.3	776.5	762.9	751.6	742.5	733.5
-62.5°	620.3	638.4	656.5	679.1	699.5	717.6	719.9	717.6	715.4	717.6	701.8
-65°	556.9	565.9	577.3	602.2	624.8	645.2	656.5	663.3	674.6	685.9	670.1
-67.5°	489.0	500.3	513.9	532.0	550.1	563.7	579.5	597.6	615.8	633.9	622.5
-70°	427.9	436.9	448.2	457.3	468.6	477.7	491.2	511.6	532.0	550.1	545.6
-72.5°	364.5	373.5	380.3	384.8	391.6	396.2	403.0	421.1	434.6	443.7	443.7
-75°	301.1	310.1	316.9	319.2	323.7	326.0	330.5	337.3	344.1	346.4	348.6
-77.5°	230.9	240.0	246.8	251.3	255.8	260.3	262.6	267.1	269.4	269.4	271.7
-80°	172.0	178.8	183.4	190.2	192.4	197.0	201.5	203.7	206.0	206.0	208.3
-82.5°	122.2	126.8	131.3	135.8	140.4	142.6	147.1	149.4	151.7	153.9	156.2
-85°	81.5	86.0	90.6	95.1	97.3	99.6	101.9	104.1	106.4	108.7	110.9
-87.5°	47.5	49.8	52.1	56.6	58.9	63.4	65.7	63.4	65.7	65.7	65.7
-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: P722179  
 CATALOG NUMBER: IFLD-M-SA4C-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°	88.3	88.3	88.3	88.3	86.0	81.5	79.2	74.7	70.2	65.7	61.1
85°	183.4	185.6	185.6	185.6	181.1	178.8	172.0	165.3	156.2	142.6	131.3
82.5°	305.6	307.9	307.9	305.6	301.1	294.3	285.2	273.9	255.8	237.7	221.9
80°	459.6	461.8	461.8	459.6	448.2	436.9	425.6	412.0	389.4	364.5	337.3
77.5°	642.9	647.4	647.4	640.7	624.8	611.2	593.1	570.5	536.5	500.3	464.1
75°	855.7	867.0	869.3	862.5	842.1	817.2	787.8	749.3	697.2	652.0	609.0
72.5°	1102.5	1113.8	1122.8	1113.8	1084.4	1050.4	1007.4	962.1	910.0	848.9	776.5
70°	1426.2	1437.5	1444.3	1414.9	1362.8	1306.2	1254.1	1202.1	1141.0	1066.2	987.0
67.5°	1833.7	1822.4	1808.8	1749.9	1684.3	1616.3	1543.9	1466.9	1387.7	1308.5	1215.7
65°	2225.3	2193.6	2164.2	2094.0	2010.2	1922.0	1838.2	1752.2	1657.1	1557.5	1469.2
62.5°	2637.3	2569.4	2497.0	2410.9	2324.9	2227.6	2143.8	2041.9	1935.5	1813.3	1700.1
60°	3042.5	2961.0	2888.6	2782.2	2669.0	2537.7	2447.2	2347.6	2223.0	2091.7	1958.2
57.5°	3434.2	3345.9	3266.7	3173.8	3051.6	2909.0	2809.4	2680.3	2549.0	2383.8	2247.9
55°	3850.7	3762.4	3699.0	3594.9	3461.3	3330.0	3221.4	3085.6	2902.2	2725.6	2558.1
52.5°	4328.4	4258.2	4190.3	4083.9	3923.2	3789.6	3669.6	3517.9	3325.5	3108.2	2906.7
50°	4862.6	4826.4	4754.0	4629.5	4446.1	4328.4	4169.9	3968.4	3762.4	3533.8	3282.5
47.5°	5571.2	5512.3	5410.5	5274.6	5120.7	4944.1	4731.3	4495.9	4203.9	3950.3	3683.2
45°	6417.9	6309.2	6177.9	5994.5	5804.4	5605.2	5372.0	5073.2	4681.5	4351.0	4070.3
42.5°	7334.7	7187.5	7008.7	6768.7	6522.0	6277.5	6026.2	5618.7	5129.8	4749.4	4432.5
40°	8292.3	8104.4	7880.3	7531.6	7257.7	6943.1	6655.6	6046.6	5525.9	5113.9	4776.6
37.5°	9229.5	8991.8	8616.0	8192.7	7873.5	7615.4	6983.8	6331.8	5865.5	5412.7	5070.9
35°	9947.1	9745.6	9082.3	8643.2	8369.2	7961.8	7171.7	6503.9	6010.4	5634.6	5102.6
32.5°	10372.7	9852.0	9270.2	8826.5	8600.2	7932.3	7185.3	6553.7	6078.3	5657.2	5021.1
30°	10277.6	9648.3	9138.9	8767.7	8276.4	7676.5	7058.5	6476.7	6014.9	5505.5	4930.5
27.5°	9704.9	9218.2	8763.1	8376.0	7893.8	7355.1	6784.6	6273.0	5842.9	5349.3	4806.0
25°	9057.4	8616.0	8278.7	7941.4	7484.1	6970.2	6467.7	6098.7	5666.3	5179.6	4643.0
22.5°	8462.1	8145.1	7880.3	7527.1	7081.1	6632.9	6320.5	5937.9	5494.2	5000.7	4475.5
20°	8081.7	7866.7	7563.3	7174.0	6823.1	6542.4	6196.0	5790.8	5333.5	4817.4	4332.9
17.5°	7898.4	7649.4	7312.1	7058.5	6789.1	6481.2	6094.1	5664.0	5177.3	4733.6	4348.7
15°	7803.3	7540.7	7318.8	7069.8	6766.5	6442.8	6012.6	5566.7	5177.3	4767.5	4360.1
12.5°	7823.7	7597.3	7355.1	7083.4	6757.4	6411.1	6021.7	5607.4	5204.5	4792.5	4362.3
10°	7887.1	7649.4	7391.3	7090.2	6762.0	6420.1	6046.6	5632.3	5218.0	4803.8	4357.8
7.5°	7909.7	7651.6	7375.4	7072.1	6750.6	6415.6	6051.1	5639.1	5220.3	4801.5	4344.2
5°	7839.5	7606.3	7339.2	7033.6	6718.9	6393.0	6033.0	5630.1	5202.2	4778.9	4310.3
2.5°	7744.4	7556.5	7300.7	7006.4	6687.2	6361.3	6003.6	5589.3	5161.4	4738.1	4267.3
0°	7728.6	7495.4	7237.3	6974.7	6635.2	6291.1	5935.7	5512.3	5086.7	4661.2	4192.5
-2.5°	7624.5	7377.7	7119.6	6834.4	6535.6	6189.2	5815.7	5401.4	4980.3	4561.5	4111.0
-5°	7545.2	7271.3	6997.4	6689.5	6388.4	6042.1	5655.0	5252.0	4840.0	4432.5	3997.9
-7.5°	7438.8	7158.1	6870.6	6549.2	6223.2	5870.0	5487.4	5084.5	4679.3	4274.0	3857.5
-10°	7223.8	6977.0	6707.6	6374.8	6030.7	5677.6	5297.3	4901.1	4495.9	4086.1	3667.3
-12.5°	6963.4	6703.1	6408.8	6103.2	5795.3	5467.1	5086.7	4697.4	4289.9	3877.9	3461.3
-15°	6626.1	6370.3	6069.2	5770.4	5473.9	5159.2	4824.1	4473.3	4059.0	3653.8	3237.2
-17.5°	6205.1	5965.1	5695.7	5410.5	5116.2	4799.2	4473.3	4176.7	3789.6	3409.3	2997.3
-20°	5752.3	5528.2	5286.0	5016.6	4722.3	4412.1	4104.3	3794.1	3459.1	3124.0	2741.5



REPORT NUMBER: P722179  
 CATALOG NUMBER: IFLD-M-SA4C-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°	5281.4	5055.1	4810.6	4559.3	4287.6	4000.1	3714.9	3418.3	3124.0	2820.7	2497.0
-25°	4738.1	4538.9	4314.8	4070.3	3828.1	3576.8	3305.1	3035.7	2784.5	2521.9	2257.0
-27.5°	4169.9	3986.5	3782.8	3570.0	3361.7	3151.2	2915.8	2666.7	2458.5	2241.2	2021.6
-30°	3572.3	3425.1	3259.9	3074.2	2913.5	2743.7	2546.8	2340.8	2150.6	1985.3	1808.8
-32.5°	3006.3	2881.8	2764.1	2641.8	2483.4	2352.1	2216.3	2064.6	1897.1	1740.9	1614.1
-35°	2519.6	2386.0	2336.2	2245.7	2132.5	2017.0	1917.4	1808.8	1682.0	1543.9	1439.8
-37.5°	2109.9	2030.6	1960.4	1910.6	1835.9	1743.1	1663.9	1584.7	1487.3	1383.2	1279.0
-40°	1790.7	1736.3	1659.4	1634.5	1586.9	1523.5	1442.0	1380.9	1315.3	1236.0	1147.7
-42.5°	1534.9	1494.1	1444.3	1401.3	1380.9	1335.6	1272.3	1213.4	1161.3	1107.0	1039.1
-45°	1324.3	1297.2	1265.5	1227.0	1211.1	1174.9	1129.6	1064.0	1034.6	989.3	939.5
-47.5°	1154.5	1141.0	1118.3	1093.4	1070.8	1043.6	1002.9	962.1	921.4	891.9	853.5
-50°	1021.0	1011.9	998.3	978.0	948.5	930.4	903.3	867.0	828.5	803.6	776.5
-52.5°	914.6	905.5	896.5	880.6	858.0	839.9	817.2	787.8	756.1	731.2	708.6
-55°	833.1	819.5	812.7	799.1	781.0	760.6	740.3	719.9	692.7	670.1	647.4
-57.5°	769.7	751.6	742.5	731.2	713.1	692.7	676.9	656.5	638.4	613.5	593.1
-60°	719.9	699.5	681.4	670.1	654.2	633.9	618.0	602.2	584.1	563.7	538.8
-62.5°	679.1	654.2	629.3	615.8	599.9	581.8	565.9	550.1	532.0	511.6	489.0
-65°	640.7	611.2	579.5	565.9	550.1	532.0	511.6	500.3	484.5	466.3	443.7
-67.5°	593.1	561.4	534.3	518.4	502.6	486.7	468.6	457.3	441.4	418.8	396.2
-70°	522.9	502.6	484.5	470.9	457.3	443.7	425.6	407.5	389.4	369.0	348.6
-72.5°	434.6	427.9	425.6	418.8	403.0	387.1	369.0	350.9	335.0	319.2	303.3
-75°	350.9	355.4	359.9	357.7	341.8	326.0	310.1	294.3	283.0	269.4	255.8
-77.5°	278.4	283.0	287.5	287.5	276.2	267.1	255.8	244.5	235.4	224.1	210.5
-80°	215.1	221.9	228.6	233.2	224.1	217.3	208.3	199.2	190.2	181.1	172.0
-82.5°	163.0	169.8	176.6	181.1	174.3	169.8	163.0	156.2	149.4	140.4	133.6
-85°	117.7	122.2	126.8	129.0	124.5	120.0	115.5	110.9	106.4	99.6	95.1
-87.5°	67.9	70.2	72.4	74.7	70.2	65.7	63.4	58.9	56.6	52.1	49.8
-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: P722179  
 CATALOG NUMBER: IFLD-M-SA4C-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°	56.6	52.1	47.5	45.3	40.7	34.0	29.4	24.9	20.4	15.8	13.6
85°	120.0	108.7	95.1	88.3	79.2	70.2	61.1	52.1	43.0	34.0	24.9
82.5°	206.0	192.4	178.8	163.0	142.6	117.7	92.8	77.0	63.4	49.8	38.5
80°	310.1	285.2	262.6	242.2	219.6	187.9	153.9	122.2	86.0	65.7	49.8
77.5°	430.1	400.7	369.0	335.0	298.8	255.8	217.3	176.6	133.6	90.6	63.4
75°	565.9	527.5	484.5	436.9	389.4	332.8	278.4	230.9	181.1	126.8	77.0
72.5°	717.6	670.1	618.0	554.6	479.9	414.3	348.6	285.2	226.4	160.7	104.1
70°	912.3	837.6	760.6	692.7	597.6	493.5	416.5	344.1	269.4	197.0	131.3
67.5°	1120.6	1030.0	937.2	837.6	717.6	595.4	484.5	403.0	314.7	230.9	156.2
65°	1347.0	1233.8	1116.1	1005.1	839.9	695.0	570.5	459.6	357.7	262.6	181.1
62.5°	1580.1	1446.6	1310.7	1165.9	975.7	796.9	652.0	522.9	398.4	292.0	203.7
60°	1829.1	1672.9	1507.7	1326.6	1104.7	907.8	728.9	588.6	441.4	321.5	228.6
57.5°	2091.7	1922.0	1727.3	1482.8	1238.3	1014.2	817.2	647.4	479.9	348.6	246.8
55°	2377.0	2182.3	1969.5	1645.8	1369.6	1120.6	905.5	706.3	520.7	371.3	264.9
52.5°	2684.9	2458.5	2189.1	1817.8	1507.7	1229.2	987.0	758.4	559.2	396.2	280.7
50°	3029.0	2743.7	2381.5	1976.3	1627.7	1331.1	1068.5	815.0	590.9	423.3	294.3
47.5°	3386.6	3078.8	2553.6	2123.4	1749.9	1430.7	1152.3	864.8	622.5	446.0	307.9
45°	3760.2	3311.9	2732.4	2254.7	1856.3	1521.3	1215.7	910.0	661.0	466.3	319.2
42.5°	4129.2	3488.5	2888.6	2386.0	1955.9	1602.8	1267.7	953.1	692.7	486.7	330.5
40°	4303.5	3622.1	3013.1	2476.6	2039.7	1675.2	1313.0	991.5	719.9	500.3	341.8
37.5°	4375.9	3703.6	3094.6	2562.6	2105.3	1713.7	1351.5	1025.5	742.5	513.9	350.9
35°	4391.8	3733.0	3135.4	2621.5	2159.7	1749.9	1380.9	1050.4	760.6	527.5	359.9
32.5°	4362.3	3723.9	3146.7	2641.8	2193.6	1777.1	1401.3	1068.5	774.2	541.0	369.0
30°	4296.7	3676.4	3105.9	2639.6	2218.5	1792.9	1414.9	1082.1	787.8	550.1	373.5
27.5°	4190.3	3592.6	3053.9	2641.8	2232.1	1799.7	1421.7	1088.9	796.9	556.9	382.6
25°	4059.0	3479.5	3056.1	2637.3	2234.4	1802.0	1421.7	1088.9	799.1	559.2	389.4
22.5°	3907.3	3479.5	3056.1	2630.5	2220.8	1797.5	1414.9	1084.4	799.1	563.7	396.2
20°	3916.4	3481.7	3049.3	2616.9	2200.4	1783.9	1399.0	1073.0	792.3	570.5	400.7
17.5°	3923.2	3477.2	3035.7	2598.8	2173.2	1761.2	1378.7	1057.2	792.3	577.3	403.0
15°	3923.2	3463.6	3015.4	2571.7	2139.3	1729.5	1349.2	1043.6	794.6	579.5	407.5
12.5°	3916.4	3438.7	2983.7	2535.4	2098.5	1691.1	1331.1	1039.1	794.6	581.8	407.5
10°	3902.8	3404.7	2942.9	2490.2	2060.1	1677.5	1322.1	1030.0	790.1	581.8	407.5
7.5°	3877.9	3364.0	2909.0	2463.0	2037.4	1661.6	1308.5	1016.4	783.3	577.3	412.0
5°	3839.4	3341.4	2881.8	2431.3	2005.7	1650.3	1299.4	1005.1	778.7	577.3	407.5
2.5°	3789.6	3314.2	2850.1	2390.6	1969.5	1611.8	1270.0	980.2	762.9	568.2	403.0
0°	3708.1	3259.9	2795.8	2334.0	1919.7	1573.3	1240.6	955.3	747.1	559.2	398.4
-2.5°	3633.4	3187.4	2725.6	2275.1	1872.2	1539.4	1217.9	941.7	740.3	556.9	396.2
-5°	3529.3	3087.8	2632.8	2198.1	1808.8	1505.4	1195.3	925.9	733.5	552.4	396.2
-7.5°	3413.8	2983.7	2535.4	2118.9	1745.4	1446.6	1152.3	901.0	717.6	543.3	393.9
-10°	3235.0	2827.5	2413.2	2028.4	1677.5	1394.5	1116.1	878.4	704.0	534.3	384.8
-12.5°	3044.8	2655.4	2272.8	1917.4	1600.5	1340.2	1075.3	853.5	688.2	525.2	380.3
-15°	2843.3	2478.9	2125.7	1802.0	1516.7	1274.5	1032.3	826.3	672.3	513.9	373.5
-17.5°	2632.8	2293.2	1974.0	1684.3	1433.0	1206.6	987.0	801.4	654.2	502.6	366.7
-20°	2410.9	2103.1	1820.1	1564.3	1344.7	1138.7	939.5	772.0	633.9	489.0	357.7



REPORT NUMBER: P722179  
 CATALOG NUMBER: IFLD-M-SA4C-827-U-76

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	2191.4	1915.2	1661.6	1446.6	1254.1	1068.5	891.9	742.5	611.2	473.1	350.9
-25°	1996.7	1738.6	1521.3	1333.4	1165.9	1000.6	842.1	713.1	586.3	457.3	341.8
-27.5°	1806.5	1586.9	1383.2	1227.0	1079.8	934.9	794.6	681.4	561.4	439.2	332.8
-30°	1629.9	1442.0	1274.5	1122.8	998.3	876.1	753.8	649.7	534.3	421.1	321.5
-32.5°	1469.2	1317.5	1177.2	1032.3	921.4	817.2	715.4	618.0	507.1	403.0	310.1
-35°	1319.8	1202.1	1079.8	957.6	844.4	762.9	674.6	584.1	482.2	382.6	298.8
-37.5°	1186.2	1091.1	993.8	889.7	792.3	710.8	636.1	550.1	457.3	364.5	287.5
-40°	1070.8	993.8	907.8	824.0	742.5	665.6	597.6	516.1	432.4	350.9	276.2
-42.5°	964.4	905.5	835.3	765.2	692.7	624.8	559.2	479.9	407.5	335.0	264.9
-45°	882.9	824.0	767.4	704.0	642.9	584.1	518.4	448.2	384.8	316.9	253.5
-47.5°	805.9	753.8	701.8	649.7	599.9	545.6	479.9	421.1	359.9	301.1	244.5
-50°	738.0	688.2	642.9	597.6	554.6	502.6	441.4	393.9	339.6	285.2	233.2
-52.5°	674.6	631.6	586.3	550.1	513.9	461.8	412.0	366.7	319.2	267.1	221.9
-55°	618.0	577.3	536.5	502.6	468.6	423.3	382.6	344.1	298.8	253.5	210.5
-57.5°	563.7	529.7	491.2	459.6	425.6	389.4	355.4	319.2	278.4	240.0	199.2
-60°	513.9	482.2	448.2	416.5	387.1	357.7	326.0	296.6	260.3	224.1	187.9
-62.5°	464.1	436.9	407.5	375.8	353.2	326.0	301.1	271.7	242.2	210.5	167.5
-65°	418.8	393.9	366.7	339.6	319.2	298.8	276.2	249.0	224.1	194.7	149.4
-67.5°	373.5	350.9	328.3	305.6	287.5	271.7	249.0	228.6	208.3	176.6	131.3
-70°	330.5	312.4	292.0	273.9	260.3	242.2	226.4	208.3	190.2	153.9	110.9
-72.5°	289.8	271.7	255.8	242.2	230.9	215.1	201.5	187.9	163.0	129.0	92.8
-75°	242.2	230.9	221.9	210.5	199.2	187.9	176.6	160.7	135.8	104.1	72.4
-77.5°	199.2	192.4	185.6	176.6	167.5	158.5	144.9	129.0	108.7	81.5	58.9
-80°	163.0	156.2	151.7	142.6	135.8	126.8	113.2	99.6	79.2	63.4	47.5
-82.5°	124.5	120.0	115.5	110.9	104.1	95.1	81.5	70.2	58.9	47.5	36.2
-85°	88.3	86.0	81.5	77.0	70.2	63.4	54.3	47.5	40.7	31.7	24.9
-87.5°	45.3	43.0	40.7	38.5	36.2	31.7	27.2	22.6	20.4	15.8	11.3
-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: P722179  
 CATALOG NUMBER: IFLD-M-SA4C-827-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	9.1	6.8	2.3	0.0
85°	18.1	11.3	4.5	0.0
82.5°	27.2	18.1	6.8	0.0
80°	36.2	22.6	11.3	0.0
77.5°	45.3	27.2	13.6	0.0
75°	54.3	34.0	15.8	0.0
72.5°	61.1	38.5	18.1	0.0
70°	72.4	45.3	20.4	0.0
67.5°	90.6	49.8	22.6	0.0
65°	106.4	54.3	24.9	0.0
62.5°	124.5	58.9	27.2	0.0
60°	140.4	63.4	29.4	0.0
57.5°	156.2	74.7	31.7	0.0
55°	169.8	83.8	34.0	0.0
52.5°	185.6	92.8	36.2	0.0
50°	199.2	101.9	38.5	0.0
47.5°	210.5	110.9	38.5	0.0
45°	219.6	117.7	40.7	0.0
42.5°	226.4	124.5	43.0	0.0
40°	233.2	131.3	45.3	0.0
37.5°	240.0	138.1	45.3	0.0
35°	246.8	144.9	47.5	0.0
32.5°	253.5	151.7	47.5	0.0
30°	258.1	156.2	49.8	0.0
27.5°	264.9	160.7	49.8	0.0
25°	267.1	165.3	52.1	0.0
22.5°	271.7	167.5	52.1	0.0
20°	276.2	172.0	52.1	0.0
17.5°	278.4	174.3	54.3	0.0
15°	278.4	176.6	56.6	0.0
12.5°	280.7	178.8	56.6	0.0
10°	280.7	183.4	54.3	0.0
7.5°	285.2	181.1	54.3	0.0
5°	283.0	181.1	54.3	0.0
2.5°	280.7	178.8	54.3	0.0
0°	278.4	178.8	54.3	0.0
-2.5°	278.4	178.8	54.3	0.0
-5°	278.4	178.8	54.3	0.0
-7.5°	276.2	181.1	54.3	0.0
-10°	271.7	181.1	54.3	0.0
-12.5°	269.4	174.3	54.3	0.0
-15°	267.1	172.0	54.3	0.0
-17.5°	262.6	169.8	52.1	0.0
-20°	258.1	167.5	52.1	0.0



REPORT NUMBER: P722179  
 CATALOG NUMBER: IFLD-M-SA4C-827-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	253.5	163.0	52.1	0.0
-25°	249.0	158.5	49.8	0.0
-27.5°	244.5	153.9	49.8	0.0
-30°	237.7	149.4	47.5	0.0
-32.5°	230.9	144.9	47.5	0.0
-35°	226.4	138.1	45.3	0.0
-37.5°	219.6	131.3	45.3	0.0
-40°	212.8	124.5	43.0	0.0
-42.5°	206.0	117.7	40.7	0.0
-45°	197.0	110.9	40.7	0.0
-47.5°	190.2	104.1	38.5	0.0
-50°	178.8	95.1	36.2	0.0
-52.5°	165.3	86.0	34.0	0.0
-55°	151.7	79.2	31.7	0.0
-57.5°	138.1	70.2	31.7	0.0
-60°	124.5	61.1	29.4	0.0
-62.5°	110.9	56.6	27.2	0.0
-65°	97.3	52.1	24.9	0.0
-67.5°	81.5	45.3	22.6	0.0
-70°	67.9	40.7	20.4	0.0
-72.5°	58.9	36.2	18.1	0.0
-75°	49.8	31.7	15.8	0.0
-77.5°	43.0	27.2	13.6	0.0
-80°	34.0	20.4	9.1	0.0
-82.5°	24.9	15.8	6.8	0.0
-85°	15.8	11.3	4.5	0.0
-87.5°	9.1	4.5	2.3	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)