

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: P721978

Luminaire Tested: **IFLD-M-SA4E-722-U-76**

Issue Date: 10/26/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P721978  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4E-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**

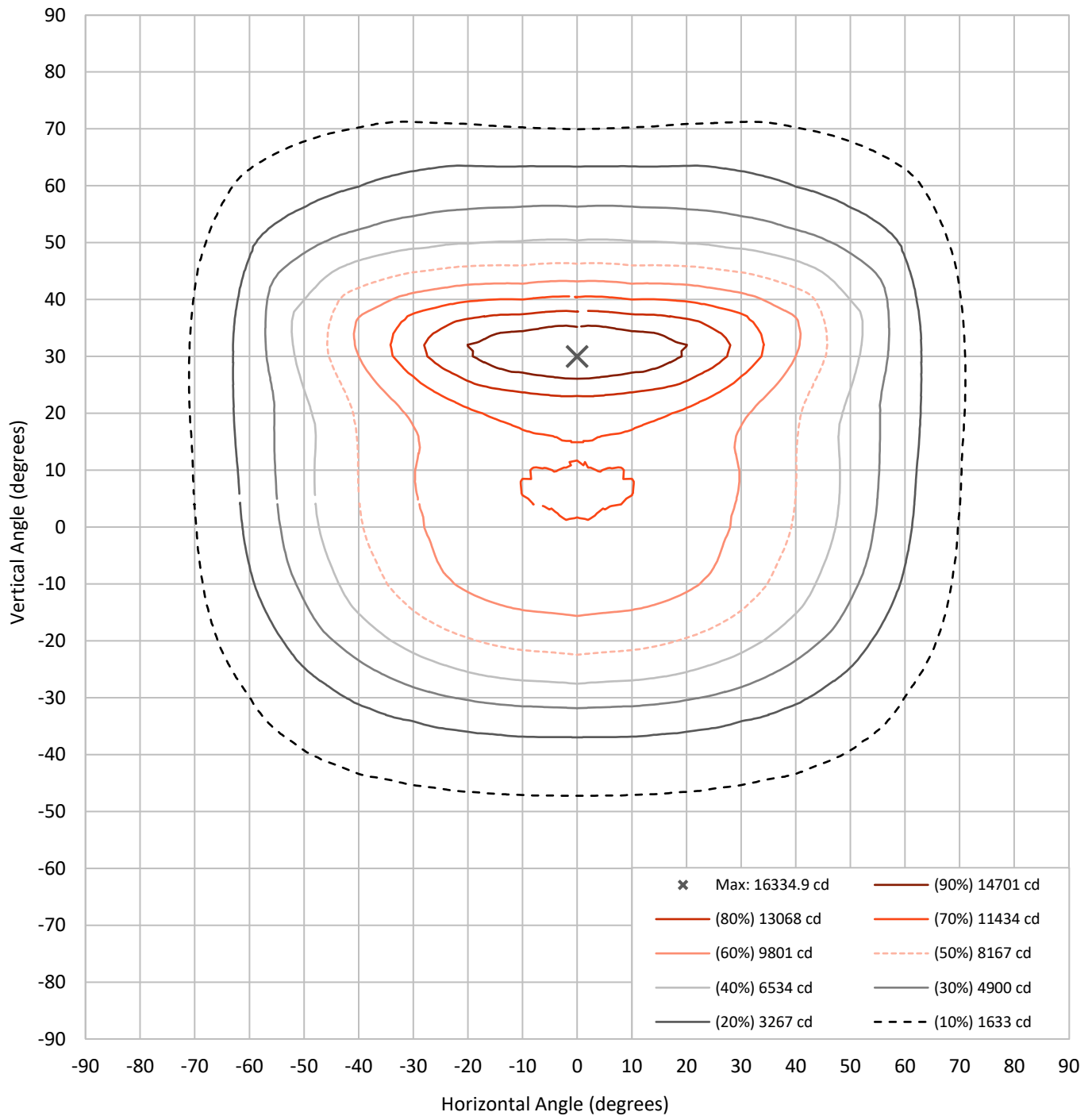
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	27267 lumens	Max Intensity:	16334.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	86.6 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	15856.1 lumens	Field Lumens:	25552.7 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: P721978  
CATALOG NUMBER: IFLD-M-SA4E-722-U-76

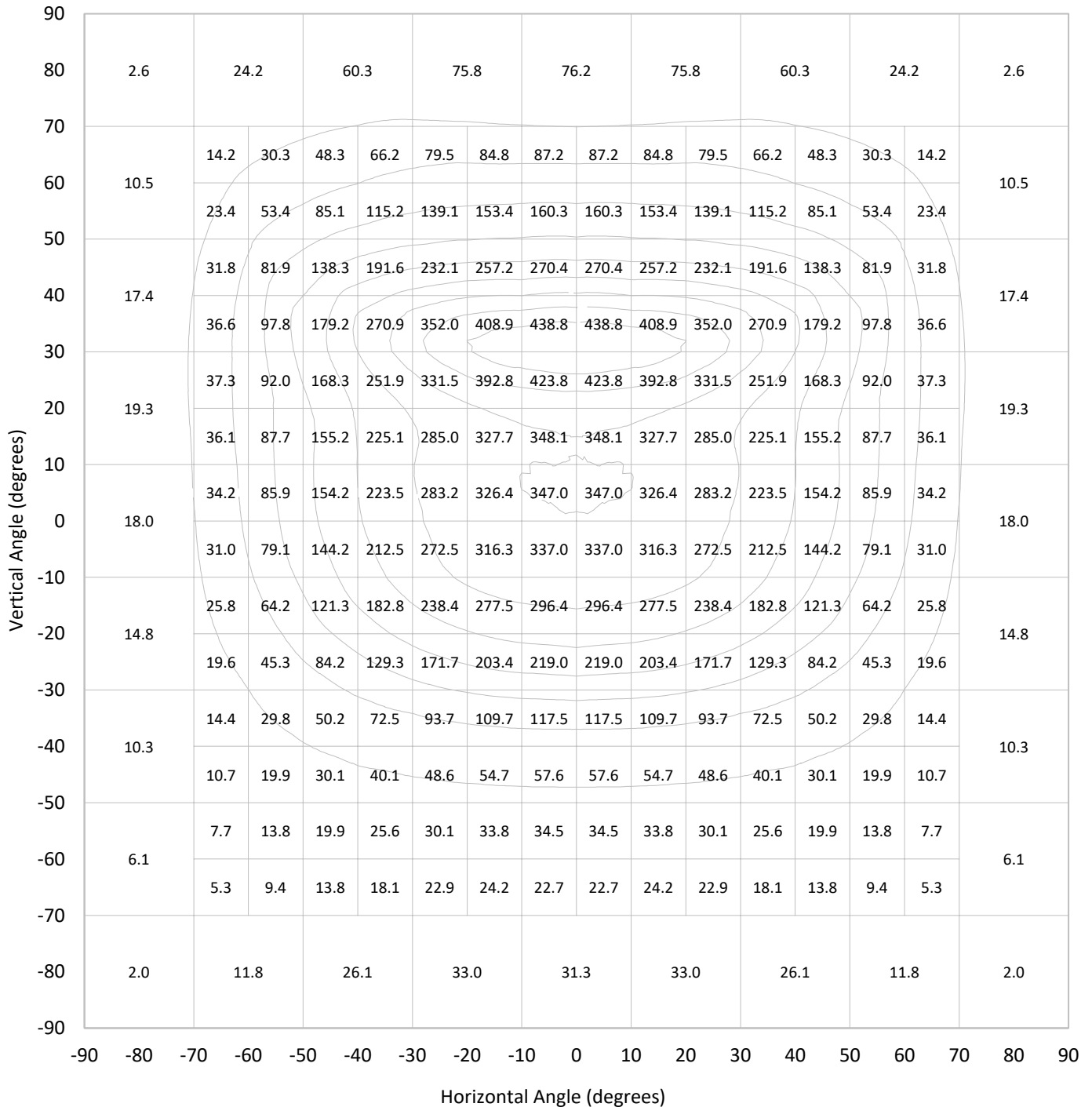
### Iso-Candela Plot





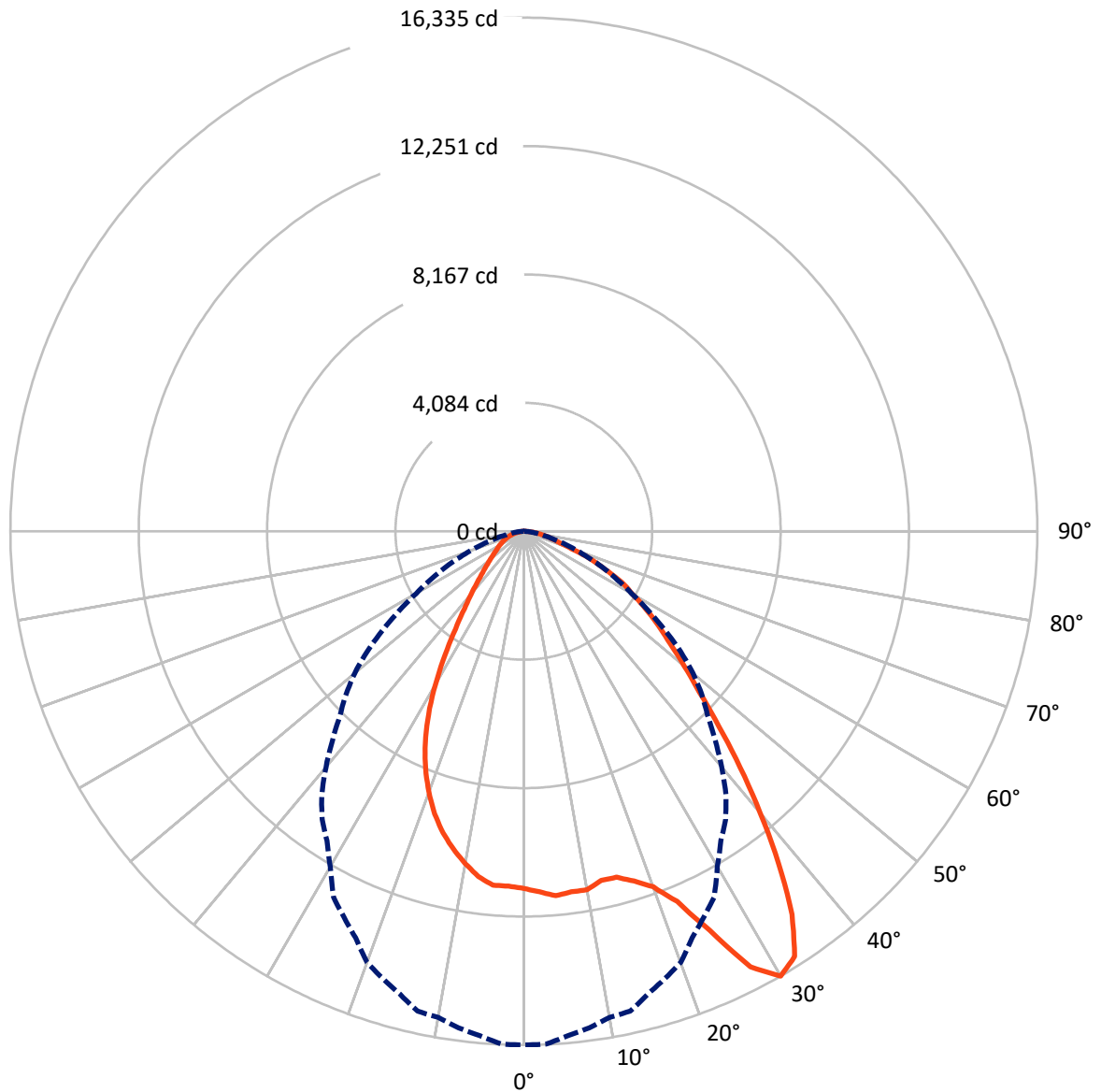
REPORT NUMBER: P721978  
 CATALOG NUMBER: IFLD-M-SA4E-722-U-76

### Lumen Table



REPORT NUMBER: P721978  
CATALOG NUMBER: IFLD-M-SA4E-722-U-76

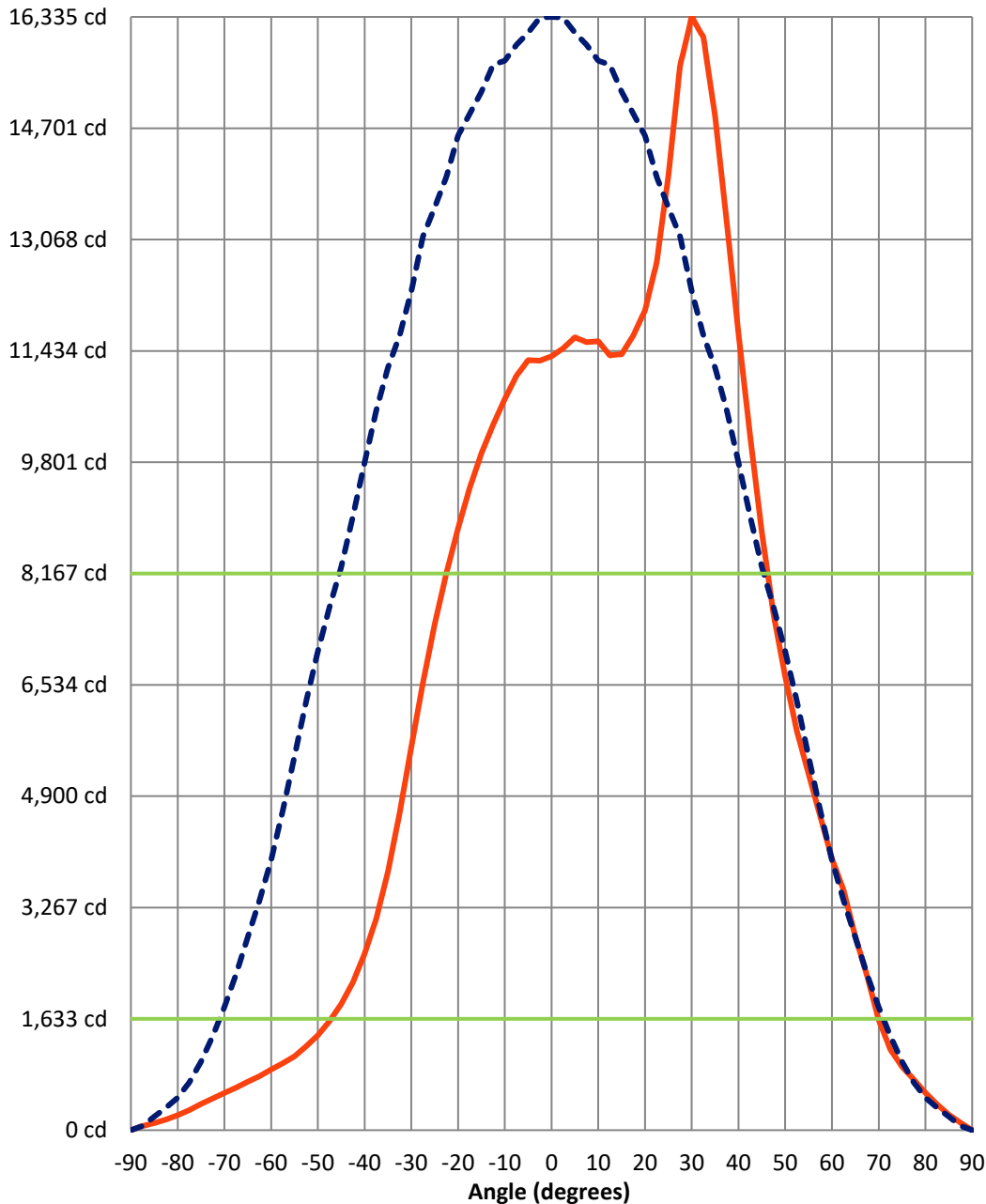
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P721978  
 CATALOG NUMBER: IFLD-M-SA4E-722-U-76

### Luminous Intensity Plot



**Beam:**  
 H Angle: 90.8°  
 V Angle: 68.8°  
 Lumens: 15856.1  
 Efficiency: 58.2%

**Field:**  
 H Angle: 142°  
 V Angle: 117.1°  
 Lumens: 25552.7  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 1714.3  
 Efficiency: 6.3%

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



REPORT NUMBER: P721978  
 CATALOG NUMBER: IFLD-M-SA4E-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°	109.8	112.7	115.5	115.5	112.7	112.7	112.7	109.8	112.7	112.7	112.7
85°	228.2	234.0	239.8	236.9	234.0	228.2	222.4	225.3	228.2	231.1	231.1
82.5°	378.4	387.1	392.8	390.0	384.2	378.4	372.6	375.5	381.3	384.2	384.2
80°	548.8	551.7	554.6	560.4	551.7	551.7	548.8	560.4	566.2	571.9	577.7
77.5°	745.3	748.1	748.1	751.0	753.9	756.8	756.8	777.0	791.5	800.1	808.8
75°	930.1	938.8	947.5	956.1	967.7	973.4	982.1	1011.0	1034.1	1051.4	1068.8
72.5°	1184.3	1195.9	1210.3	1230.5	1250.8	1265.2	1285.4	1320.1	1346.1	1363.4	1383.6
70°	1620.5	1632.0	1646.5	1660.9	1681.1	1695.6	1715.8	1759.1	1785.1	1796.7	1808.2
67.5°	2267.5	2296.4	2322.4	2293.5	2279.1	2258.9	2264.6	2305.1	2331.1	2348.4	2345.5
65°	2842.4	2862.6	2862.6	2859.7	2848.1	2822.1	2836.6	2885.7	2914.6	2929.0	2885.7
62.5°	3518.3	3518.3	3503.8	3526.9	3529.8	3512.5	3503.8	3506.7	3509.6	3518.3	3446.1
60°	3986.2	4015.1	4023.8	4044.0	4049.8	4049.8	4064.2	4075.8	4075.8	4058.4	3974.7
57.5°	4604.4	4659.3	4670.8	4656.4	4627.5	4589.9	4584.2	4566.8	4532.2	4497.5	4457.1
55°	5228.3	5257.2	5254.3	5245.6	5216.8	5173.4	5179.2	5156.1	5101.2	5057.9	5003.0
52.5°	5855.1	5924.5	5936.0	5918.7	5878.2	5832.0	5834.9	5808.9	5754.0	5707.8	5632.7
50°	6655.3	6713.0	6707.3	6678.4	6620.6	6585.9	6588.8	6539.7	6476.2	6461.7	6363.5
47.5°	7570.9	7637.4	7625.8	7585.4	7507.4	7493.0	7507.4	7443.8	7406.3	7374.5	7259.0
45°	8772.6	8850.6	8807.3	8729.3	8605.1	8619.5	8639.7	8628.2	8547.3	8463.5	8316.2
42.5°	10182.2	10231.3	10179.3	10101.3	9945.4	9974.2	9962.7	9893.4	9844.3	9705.6	9517.8
40°	11690.0	11796.9	11716.0	11594.7	11433.0	11476.3	11444.5	11355.0	11239.4	11066.1	10829.3
37.5°	13316.3	13400.1	13307.6	13166.1	13021.7	13007.2	12943.7	12805.0	12640.4	12449.7	12071.3
35°	14873.3	15089.9	14919.5	14694.2	14518.0	14451.5	14390.9	14070.2	13882.5	13573.4	13056.3
32.5°	16031.6	16190.4	15979.6	15745.6	15531.8	15439.4	15225.7	14844.4	14743.3	14093.3	13619.6
30°	16334.9	16323.3	16103.8	15924.7	15693.6	15630.1	15237.2	14913.7	14590.2	13989.4	13538.7
27.5°	15612.7	15540.5	15329.6	15173.7	14945.5	14870.4	14483.3	14310.0	13810.3	13301.9	12920.6
25°	14003.8	14041.3	13882.5	13804.5	13654.3	13492.5	13339.4	13105.4	12793.5	12348.6	11999.1
22.5°	12735.7	12784.8	12718.4	12625.9	12510.4	12420.9	12305.3	12123.3	11822.9	11548.5	11219.2
20°	12030.9	12016.5	11958.7	11889.4	11779.6	11716.0	11588.9	11435.9	11204.8	10967.9	10612.6
17.5°	11661.2	11571.6	11516.7	11490.7	11433.0	11352.1	11201.9	11045.9	10866.8	10598.2	10338.2
15°	11386.7	11401.2	11357.9	11337.6	11291.4	11178.8	11025.7	10898.6	10655.9	10520.2	10283.3
12.5°	11369.4	11355.0	11357.9	11349.2	11291.4	11147.0	11069.0	10907.2	10751.3	10572.2	10300.6
10°	11574.5	11421.4	11433.0	11473.4	11381.0	11265.4	11181.7	11005.5	10858.1	10629.9	10361.3
7.5°	11563.0	11485.0	11508.1	11441.6	11470.5	11329.0	11213.4	11037.2	10852.4	10609.7	10367.1
5°	11632.3	11513.8	11493.6	11499.4	11427.2	11320.3	11164.3	10996.8	10823.5	10552.0	10303.5
2.5°	11473.4	11490.7	11398.3	11363.6	11355.0	11175.9	11031.5	10869.7	10690.6	10450.9	10228.4
0°	11355.0	11386.7	11291.4	11242.3	11239.4	11086.3	10993.9	10809.0	10681.9	10482.6	10214.0
-2.5°	11291.4	11329.0	11340.5	11251.0	11164.3	11045.9	10889.9	10690.6	10482.6	10251.5	10020.5
-5°	11297.2	11222.1	11190.3	11219.2	11144.1	11025.7	10852.4	10676.2	10471.1	10222.7	9933.8
-7.5°	11069.0	10993.9	10988.1	10973.7	10956.4	10843.7	10699.3	10508.6	10300.6	10069.6	9800.9
-10°	10728.2	10673.3	10658.8	10644.4	10598.2	10531.7	10396.0	10222.7	10034.9	9803.8	9517.8
-12.5°	10349.8	10323.8	10268.9	10231.3	10185.1	10107.1	9977.1	9818.3	9630.5	9425.4	9179.9
-15°	9930.9	9881.8	9826.9	9795.1	9728.7	9636.3	9506.3	9359.0	9153.9	8951.7	8720.6
-17.5°	9425.4	9364.7	9304.1	9295.4	9249.2	9107.7	8986.3	8807.3	8628.2	8434.6	8209.3
-20°	8830.4	8746.6	8706.2	8683.0	8619.5	8515.5	8385.5	8220.9	8047.6	7862.7	7602.7



REPORT NUMBER: P721978  
 CATALOG NUMBER: IFLD-M-SA4E-722-U-76

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	8171.8	8099.6	8030.2	7986.9	7932.0	7851.1	7726.9	7582.5	7412.1	7204.1	6964.3
-25°	7423.6	7322.5	7279.2	7230.1	7201.2	7126.1	7004.8	6871.9	6695.7	6493.5	6265.3
-27.5°	6568.6	6487.7	6464.6	6395.3	6360.6	6282.6	6181.5	6057.3	5895.6	5704.9	5517.2
-30°	5624.0	5574.9	5537.4	5468.1	5442.1	5358.3	5291.9	5187.9	5040.6	4904.8	4754.6
-32.5°	4653.5	4604.4	4592.8	4561.1	4543.7	4488.8	4413.7	4338.6	4220.2	4119.1	3997.8
-35°	3792.7	3758.0	3760.9	3758.0	3740.7	3700.3	3607.8	3587.6	3500.9	3408.5	3330.5
-37.5°	3105.2	3108.1	3105.2	3102.3	3079.2	3061.9	2995.4	2969.5	2917.5	2827.9	2781.7
-40°	2588.2	2593.9	2591.0	2585.3	2559.3	2550.6	2507.3	2472.6	2452.4	2388.8	2339.7
-42.5°	2169.3	2178.0	2175.1	2172.2	2154.9	2152.0	2128.9	2088.4	2076.9	2039.3	1987.3
-45°	1851.6	1848.7	1842.9	1848.7	1840.0	1831.4	1816.9	1790.9	1776.5	1759.1	1715.8
-47.5°	1600.3	1603.2	1597.4	1597.4	1585.8	1577.2	1571.4	1554.1	1542.5	1528.1	1502.1
-50°	1392.3	1403.8	1401.0	1398.1	1389.4	1383.6	1383.6	1366.3	1349.0	1343.2	1325.9
-52.5°	1230.5	1239.2	1242.1	1247.9	1250.8	1253.6	1245.0	1227.6	1198.8	1195.9	1187.2
-55°	1083.2	1109.2	1126.5	1138.1	1149.7	1158.3	1141.0	1117.9	1089.0	1077.4	1074.5
-57.5°	982.1	1008.1	1028.3	1045.7	1060.1	1074.5	1057.2	1034.1	1008.1	993.7	990.8
-60°	889.7	912.8	933.0	956.1	976.3	999.4	990.8	973.4	959.0	947.5	935.9
-62.5°	791.5	814.6	837.7	866.6	892.6	915.7	918.6	915.7	912.8	915.7	895.5
-65°	710.6	722.1	736.6	768.4	797.2	823.2	837.7	846.4	860.8	875.2	855.0
-67.5°	623.9	638.4	655.7	678.8	701.9	719.3	739.5	762.6	785.7	808.8	794.4
-70°	545.9	557.5	571.9	583.5	597.9	609.5	626.8	652.8	678.8	701.9	696.1
-72.5°	465.1	476.6	485.3	491.1	499.7	505.5	514.2	537.3	554.6	566.2	566.2
-75°	384.2	395.7	404.4	407.3	413.1	416.0	421.7	430.4	439.1	442.0	444.8
-77.5°	294.6	306.2	314.9	320.6	326.4	332.2	335.1	340.9	343.7	343.7	346.6
-80°	219.5	228.2	234.0	242.6	245.5	251.3	257.1	260.0	262.9	262.9	265.7
-82.5°	156.0	161.8	167.5	173.3	179.1	182.0	187.8	190.6	193.5	196.4	199.3
-85°	104.0	109.8	115.5	121.3	124.2	127.1	130.0	132.9	135.8	138.7	141.5
-87.5°	60.7	63.5	66.4	72.2	75.1	80.9	83.8	80.9	83.8	83.8	83.8
-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: P721978  
 CATALOG NUMBER: IFLD-M-SA4E-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°	112.7	112.7	112.7	112.7	109.8	104.0	101.1	95.3	89.5	83.8	78.0
85°	234.0	236.9	236.9	236.9	231.1	228.2	219.5	210.9	199.3	182.0	167.5
82.5°	390.0	392.8	392.8	390.0	384.2	375.5	364.0	349.5	326.4	303.3	283.1
80°	586.4	589.3	589.3	586.4	571.9	557.5	543.1	525.7	496.8	465.1	430.4
77.5°	820.4	826.1	826.1	817.5	797.2	779.9	756.8	727.9	684.6	638.4	592.2
75°	1091.9	1106.3	1109.2	1100.5	1074.5	1042.8	1005.2	956.1	889.7	831.9	777.0
72.5°	1406.7	1421.2	1432.7	1421.2	1383.6	1340.3	1285.4	1227.6	1161.2	1083.2	990.8
70°	1819.8	1834.2	1842.9	1805.4	1738.9	1666.7	1600.3	1533.8	1455.8	1360.5	1259.4
67.5°	2339.7	2325.3	2308.0	2232.9	2149.1	2062.4	1970.0	1871.8	1770.7	1669.6	1551.2
65°	2839.5	2799.0	2761.5	2671.9	2565.1	2452.4	2345.5	2235.8	2114.4	1987.3	1874.7
62.5°	3365.2	3278.5	3186.1	3076.3	2966.6	2842.4	2735.5	2605.5	2469.7	2313.7	2169.3
60°	3882.2	3778.3	3685.8	3550.1	3405.6	3238.1	3122.5	2995.4	2836.6	2669.0	2498.6
57.5°	4382.0	4269.3	4168.2	4049.8	3893.8	3711.8	3584.7	3420.1	3252.5	3041.7	2868.4
55°	4913.5	4800.8	4719.9	4587.1	4416.6	4249.1	4110.4	3937.1	3703.1	3477.8	3264.1
52.5°	5522.9	5433.4	5346.7	5211.0	5005.9	4835.5	4682.4	4488.8	4243.3	3966.0	3708.9
50°	6204.7	6158.4	6066.0	5907.1	5673.2	5522.9	5320.7	5063.7	4800.8	4509.1	4188.4
47.5°	7108.8	7033.7	6903.7	6730.4	6533.9	6308.6	6037.1	5736.7	5364.1	5040.6	4699.7
45°	8189.1	8050.4	7882.9	7648.9	7406.3	7152.1	6854.6	6473.3	5973.6	5551.8	5193.7
42.5°	9359.0	9171.2	8943.0	8636.8	8322.0	8010.0	7689.4	7169.4	6545.5	6060.2	5655.8
40°	10580.8	10341.1	10055.1	9610.3	9260.8	8859.2	8492.4	7715.4	7051.0	6525.3	6094.9
37.5°	11776.7	11473.4	10993.9	10453.7	10046.5	9717.2	8911.2	8079.3	7484.3	6906.6	6470.4
35°	12692.4	12435.3	11588.9	11028.6	10679.0	10159.1	9151.0	8298.9	7669.2	7189.7	6510.8
32.5°	13235.4	12571.1	11828.7	11262.5	10973.7	10121.6	9168.3	8362.4	7755.8	7218.5	6406.9
30°	13114.1	12311.1	11661.2	11187.4	10560.6	9795.1	9006.6	8264.2	7674.9	7025.0	6291.3
27.5°	12383.3	11762.3	11181.7	10687.7	10072.4	9385.0	8657.0	8004.2	7455.4	6825.7	6132.4
25°	11557.2	10993.9	10563.5	10133.1	9549.6	8893.9	8252.6	7781.8	7230.1	6609.1	5924.5
22.5°	10797.5	10393.1	10055.1	9604.5	9035.5	8463.5	8064.9	7576.7	7010.6	6380.9	5710.7
20°	10312.2	10037.8	9650.7	9153.9	8706.2	8348.0	7906.0	7389.0	6805.5	6146.9	5528.7
17.5°	10078.2	9760.5	9330.1	9006.6	8662.8	8270.0	7776.0	7227.2	6606.2	6040.0	5548.9
15°	9956.9	9621.8	9338.8	9021.0	8633.9	8220.9	7672.0	7103.0	6606.2	6083.3	5563.4
12.5°	9982.9	9694.0	9385.0	9038.3	8622.4	8180.4	7683.6	7155.0	6640.8	6115.1	5566.3
10°	10063.8	9760.5	9431.2	9047.0	8628.2	8192.0	7715.4	7186.8	6658.2	6129.5	5560.5
7.5°	10092.7	9763.4	9411.0	9023.9	8613.7	8186.2	7721.2	7195.4	6661.0	6126.7	5543.2
5°	10003.1	9705.6	9364.7	8974.8	8573.3	8157.3	7698.0	7183.9	6637.9	6097.8	5499.8
2.5°	9881.8	9642.1	9315.6	8940.1	8532.8	8116.9	7660.5	7131.9	6585.9	6045.8	5445.0
0°	9861.6	9564.1	9234.8	8899.7	8466.4	8027.3	7573.8	7033.7	6490.6	5947.6	5349.6
-2.5°	9728.7	9413.9	9084.6	8720.6	8339.3	7897.4	7420.7	6892.1	6354.9	5820.5	5245.6
-5°	9627.6	9278.1	8928.6	8535.7	8151.5	7709.6	7215.7	6701.5	6175.8	5655.8	5101.2
-7.5°	9491.8	9133.7	8766.8	8356.6	7940.7	7490.1	7001.9	6487.7	5970.7	5453.6	4922.1
-10°	9217.4	8902.6	8558.8	8134.2	7695.2	7244.5	6759.3	6253.8	5736.7	5213.9	4679.5
-12.5°	8885.2	8553.1	8177.5	7787.6	7394.7	6975.9	6490.6	5993.8	5473.8	4948.1	4416.6
-15°	8454.8	8128.4	7744.3	7363.0	6984.6	6583.1	6155.5	5707.8	5179.2	4662.2	4130.7
-17.5°	7917.6	7611.4	7267.6	6903.7	6528.2	6123.8	5707.8	5329.4	4835.5	4350.2	3824.5
-20°	7339.9	7053.9	6744.8	6401.1	6025.6	5629.8	5237.0	4841.2	4413.7	3986.2	3498.1



REPORT NUMBER: P721978  
 CATALOG NUMBER: IFLD-M-SA4E-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°	6739.0	6450.2	6138.2	5817.6	5471.0	5104.1	4740.1	4361.7	3986.2	3599.2	3186.1
-25°	6045.8	5791.6	5505.6	5193.7	4884.6	4563.9	4217.3	3873.6	3552.9	3217.9	2879.9
-27.5°	5320.7	5086.8	4826.8	4555.3	4289.5	4020.9	3720.5	3402.7	3137.0	2859.7	2579.5
-30°	4558.2	4370.4	4159.5	3922.7	3717.6	3500.9	3249.6	2986.8	2744.1	2533.3	2308.0
-32.5°	3836.0	3677.2	3526.9	3371.0	3168.8	3001.2	2827.9	2634.4	2420.6	2221.3	2059.6
-35°	3215.0	3044.6	2981.0	2865.5	2721.0	2573.7	2446.6	2308.0	2146.2	1970.0	1837.1
-37.5°	2692.1	2591.0	2501.5	2438.0	2342.6	2224.2	2123.1	2022.0	1897.8	1764.9	1632.0
-40°	2284.9	2215.5	2117.3	2085.5	2024.9	1944.0	1840.0	1762.0	1678.3	1577.2	1464.5
-42.5°	1958.5	1906.5	1842.9	1788.0	1762.0	1704.3	1623.4	1548.3	1481.8	1412.5	1325.9
-45°	1689.8	1655.2	1614.7	1565.6	1545.4	1499.2	1441.4	1357.6	1320.1	1262.3	1198.8
-47.5°	1473.2	1455.8	1427.0	1395.2	1366.3	1331.6	1279.6	1227.6	1175.6	1138.1	1089.0
-50°	1302.7	1291.2	1273.9	1247.9	1210.3	1187.2	1152.5	1106.3	1057.2	1025.4	990.8
-52.5°	1167.0	1155.4	1143.9	1123.7	1094.8	1071.7	1042.8	1005.2	964.8	933.0	904.1
-55°	1063.0	1045.7	1037.0	1019.7	996.6	970.6	944.6	918.6	883.9	855.0	826.1
-57.5°	982.1	959.0	947.5	933.0	909.9	883.9	863.7	837.7	814.6	782.8	756.8
-60°	918.6	892.6	869.5	855.0	834.8	808.8	788.6	768.4	745.3	719.3	687.5
-62.5°	866.6	834.8	803.0	785.7	765.5	742.4	722.1	701.9	678.8	652.8	623.9
-65°	817.5	779.9	739.5	722.1	701.9	678.8	652.8	638.4	618.2	595.0	566.2
-67.5°	756.8	716.4	681.7	661.5	641.3	621.0	597.9	583.5	563.3	534.4	505.5
-70°	667.3	641.3	618.2	600.8	583.5	566.2	543.1	519.9	496.8	470.8	444.8
-72.5°	554.6	545.9	543.1	534.4	514.2	493.9	470.8	447.7	427.5	407.3	387.1
-75°	447.7	453.5	459.3	456.4	436.2	416.0	395.7	375.5	361.1	343.7	326.4
-77.5°	355.3	361.1	366.8	366.8	352.4	340.9	326.4	312.0	300.4	286.0	268.6
-80°	274.4	283.1	291.7	297.5	286.0	277.3	265.7	254.2	242.6	231.1	219.5
-82.5°	208.0	216.6	225.3	231.1	222.4	216.6	208.0	199.3	190.6	179.1	170.4
-85°	150.2	156.0	161.8	164.6	158.9	153.1	147.3	141.5	135.8	127.1	121.3
-87.5°	86.7	89.5	92.4	95.3	89.5	83.8	80.9	75.1	72.2	66.4	63.5
-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: P721978  
 CATALOG NUMBER: IFLD-M-SA4E-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°	72.2	66.4	60.7	57.8	52.0	43.3	37.6	31.8	26.0	20.2	17.3
85°	153.1	138.7	121.3	112.7	101.1	89.5	78.0	66.4	54.9	43.3	31.8
82.5°	262.9	245.5	228.2	208.0	182.0	150.2	118.4	98.2	80.9	63.5	49.1
80°	395.7	364.0	335.1	309.1	280.2	239.8	196.4	156.0	109.8	83.8	63.5
77.5°	548.8	511.3	470.8	427.5	381.3	326.4	277.3	225.3	170.4	115.5	80.9
75°	722.1	673.0	618.2	557.5	496.8	424.6	355.3	294.6	231.1	161.8	98.2
72.5°	915.7	855.0	788.6	707.7	612.4	528.6	444.8	364.0	288.9	205.1	132.9
70°	1164.1	1068.8	970.6	883.9	762.6	629.7	531.5	439.1	343.7	251.3	167.5
67.5°	1429.8	1314.3	1195.9	1068.8	915.7	759.7	618.2	514.2	401.5	294.6	199.3
65°	1718.7	1574.3	1424.1	1282.5	1071.7	886.8	727.9	586.4	456.4	335.1	231.1
62.5°	2016.2	1845.8	1672.5	1487.6	1245.0	1016.8	831.9	667.3	508.4	372.6	260.0
60°	2334.0	2134.7	1923.8	1692.7	1409.6	1158.3	930.1	751.0	563.3	410.2	291.7
57.5°	2669.0	2452.4	2204.0	1892.0	1580.0	1294.1	1042.8	826.1	612.4	444.8	314.9
55°	3033.0	2784.6	2513.1	2100.0	1747.6	1429.8	1155.4	901.2	664.4	473.7	338.0
52.5°	3425.8	3137.0	2793.2	2319.5	1923.8	1568.5	1259.4	967.7	713.5	505.5	358.2
50°	3864.9	3500.9	3038.8	2521.7	2076.9	1698.5	1363.4	1039.9	753.9	540.2	375.5
47.5°	4321.3	3928.5	3258.3	2709.5	2232.9	1825.6	1470.3	1103.4	794.4	569.0	392.8
45°	4797.9	4226.0	3486.5	2877.0	2368.6	1941.1	1551.2	1161.2	843.5	595.0	407.3
42.5°	5268.8	4451.3	3685.8	3044.6	2495.7	2045.1	1617.6	1216.1	883.9	621.0	421.7
40°	5491.2	4621.7	3844.7	3160.1	2602.6	2137.5	1675.4	1265.2	918.6	638.4	436.2
37.5°	5583.6	4725.7	3948.7	3269.9	2686.4	2186.6	1724.5	1308.5	947.5	655.7	447.7
35°	5603.8	4763.3	4000.7	3345.0	2755.7	2232.9	1762.0	1340.3	970.6	673.0	459.3
32.5°	5566.3	4751.7	4015.1	3371.0	2799.0	2267.5	1788.0	1363.4	987.9	690.4	470.8
30°	5482.5	4691.0	3963.1	3368.1	2830.8	2287.7	1805.4	1380.7	1005.2	701.9	476.6
27.5°	5346.7	4584.2	3896.7	3371.0	2848.1	2296.4	1814.0	1389.4	1016.8	710.6	488.2
25°	5179.2	4439.7	3899.6	3365.2	2851.0	2299.3	1814.0	1389.4	1019.7	713.5	496.8
22.5°	4985.7	4439.7	3899.6	3356.5	2833.7	2293.5	1805.4	1383.6	1019.7	719.3	505.5
20°	4997.2	4442.6	3890.9	3339.2	2807.7	2276.2	1785.1	1369.2	1011.0	727.9	511.3
17.5°	5005.9	4436.8	3873.6	3316.1	2773.0	2247.3	1759.1	1349.0	1011.0	736.6	514.2
15°	5005.9	4419.5	3847.6	3281.4	2729.7	2206.9	1721.6	1331.6	1013.9	739.5	519.9
12.5°	4997.2	4387.7	3807.1	3235.2	2677.7	2157.8	1698.5	1325.9	1013.9	742.4	519.9
10°	4979.9	4344.4	3755.1	3177.4	2628.6	2140.4	1686.9	1314.3	1008.1	742.4	519.9
7.5°	4948.1	4292.4	3711.8	3142.8	2599.7	2120.2	1669.6	1297.0	999.4	736.6	525.7
5°	4899.0	4263.5	3677.2	3102.3	2559.3	2105.8	1658.0	1282.5	993.7	736.6	519.9
2.5°	4835.5	4228.9	3636.7	3050.3	2513.1	2056.7	1620.5	1250.8	973.4	725.0	514.2
0°	4731.5	4159.5	3567.4	2978.1	2449.5	2007.6	1582.9	1219.0	953.2	713.5	508.4
-2.5°	4636.2	4067.1	3477.8	2903.0	2388.8	1964.2	1554.1	1201.6	944.6	710.6	505.5
-5°	4503.3	3940.0	3359.4	2804.8	2308.0	1920.9	1525.2	1181.4	935.9	704.8	505.5
-7.5°	4356.0	3807.1	3235.2	2703.7	2227.1	1845.8	1470.3	1149.7	915.7	693.3	502.6
-10°	4127.8	3607.8	3079.2	2588.2	2140.4	1779.4	1424.1	1120.8	898.3	681.7	491.1
-12.5°	3885.1	3388.3	2900.1	2446.6	2042.2	1710.0	1372.1	1089.0	878.1	670.1	485.3
-15°	3628.0	3163.0	2712.4	2299.3	1935.3	1626.3	1317.2	1054.3	857.9	655.7	476.6
-17.5°	3359.4	2926.1	2518.8	2149.1	1828.5	1539.6	1259.4	1022.6	834.8	641.3	467.9
-20°	3076.3	2683.5	2322.4	1996.0	1715.8	1453.0	1198.8	985.0	808.8	623.9	456.4



REPORT NUMBER: P721978  
 CATALOG NUMBER: IFLD-M-SA4E-722-U-76

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	2796.1	2443.7	2120.2	1845.8	1600.3	1363.4	1138.1	947.5	779.9	603.7	447.7
-25°	2547.7	2218.4	1941.1	1701.4	1487.6	1276.7	1074.5	909.9	748.1	583.5	436.2
-27.5°	2305.1	2024.9	1764.9	1565.6	1377.8	1193.0	1013.9	869.5	716.4	560.4	424.6
-30°	2079.8	1840.0	1626.3	1432.7	1273.9	1117.9	961.9	829.0	681.7	537.3	410.2
-32.5°	1874.7	1681.1	1502.1	1317.2	1175.6	1042.8	912.8	788.6	647.0	514.2	395.7
-35°	1684.0	1533.8	1377.8	1221.9	1077.4	973.4	860.8	745.3	615.3	488.2	381.3
-37.5°	1513.6	1392.3	1268.1	1135.2	1011.0	907.0	811.7	701.9	583.5	465.1	366.8
-40°	1366.3	1268.1	1158.3	1051.4	947.5	849.2	762.6	658.6	551.7	447.7	352.4
-42.5°	1230.5	1155.4	1065.9	976.3	883.9	797.2	713.5	612.4	519.9	427.5	338.0
-45°	1126.5	1051.4	979.2	898.3	820.4	745.3	661.5	571.9	491.1	404.4	323.5
-47.5°	1028.3	961.9	895.5	829.0	765.5	696.1	612.4	537.3	459.3	384.2	312.0
-50°	941.7	878.1	820.4	762.6	707.7	641.3	563.3	502.6	433.3	364.0	297.5
-52.5°	860.8	805.9	748.1	701.9	655.7	589.3	525.7	467.9	407.3	340.9	283.1
-55°	788.6	736.6	684.6	641.3	597.9	540.2	488.2	439.1	381.3	323.5	268.6
-57.5°	719.3	675.9	626.8	586.4	543.1	496.8	453.5	407.3	355.3	306.2	254.2
-60°	655.7	615.3	571.9	531.5	493.9	456.4	416.0	378.4	332.2	286.0	239.8
-62.5°	592.2	557.5	519.9	479.5	450.6	416.0	384.2	346.6	309.1	268.6	213.8
-65°	534.4	502.6	467.9	433.3	407.3	381.3	352.4	317.7	286.0	248.4	190.6
-67.5°	476.6	447.7	418.8	390.0	366.8	346.6	317.7	291.7	265.7	225.3	167.5
-70°	421.7	398.6	372.6	349.5	332.2	309.1	288.9	265.7	242.6	196.4	141.5
-72.5°	369.7	346.6	326.4	309.1	294.6	274.4	257.1	239.8	208.0	164.6	118.4
-75°	309.1	294.6	283.1	268.6	254.2	239.8	225.3	205.1	173.3	132.9	92.4
-77.5°	254.2	245.5	236.9	225.3	213.8	202.2	184.9	164.6	138.7	104.0	75.1
-80°	208.0	199.3	193.5	182.0	173.3	161.8	144.4	127.1	101.1	80.9	60.7
-82.5°	158.9	153.1	147.3	141.5	132.9	121.3	104.0	89.5	75.1	60.7	46.2
-85°	112.7	109.8	104.0	98.2	89.5	80.9	69.3	60.7	52.0	40.4	31.8
-87.5°	57.8	54.9	52.0	49.1	46.2	40.4	34.7	28.9	26.0	20.2	14.4
-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: P721978  
 CATALOG NUMBER: IFLD-M-SA4E-722-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	11.6	8.7	2.9	0.0
85°	23.1	14.4	5.8	0.0
82.5°	34.7	23.1	8.7	0.0
80°	46.2	28.9	14.4	0.0
77.5°	57.8	34.7	17.3	0.0
75°	69.3	43.3	20.2	0.0
72.5°	78.0	49.1	23.1	0.0
70°	92.4	57.8	26.0	0.0
67.5°	115.5	63.5	28.9	0.0
65°	135.8	69.3	31.8	0.0
62.5°	158.9	75.1	34.7	0.0
60°	179.1	80.9	37.6	0.0
57.5°	199.3	95.3	40.4	0.0
55°	216.6	106.9	43.3	0.0
52.5°	236.9	118.4	46.2	0.0
50°	254.2	130.0	49.1	0.0
47.5°	268.6	141.5	49.1	0.0
45°	280.2	150.2	52.0	0.0
42.5°	288.9	158.9	54.9	0.0
40°	297.5	167.5	57.8	0.0
37.5°	306.2	176.2	57.8	0.0
35°	314.9	184.9	60.7	0.0
32.5°	323.5	193.5	60.7	0.0
30°	329.3	199.3	63.5	0.0
27.5°	338.0	205.1	63.5	0.0
25°	340.9	210.9	66.4	0.0
22.5°	346.6	213.8	66.4	0.0
20°	352.4	219.5	66.4	0.0
17.5°	355.3	222.4	69.3	0.0
15°	355.3	225.3	72.2	0.0
12.5°	358.2	228.2	72.2	0.0
10°	358.2	234.0	69.3	0.0
7.5°	364.0	231.1	69.3	0.0
5°	361.1	231.1	69.3	0.0
2.5°	358.2	228.2	69.3	0.0
0°	355.3	228.2	69.3	0.0
-2.5°	355.3	228.2	69.3	0.0
-5°	355.3	228.2	69.3	0.0
-7.5°	352.4	231.1	69.3	0.0
-10°	346.6	231.1	69.3	0.0
-12.5°	343.7	222.4	69.3	0.0
-15°	340.9	219.5	69.3	0.0
-17.5°	335.1	216.6	66.4	0.0
-20°	329.3	213.8	66.4	0.0



REPORT NUMBER: P721978  
CATALOG NUMBER: IFLD-M-SA4E-722-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	323.5	208.0	66.4	0.0
-25°	317.7	202.2	63.5	0.0
-27.5°	312.0	196.4	63.5	0.0
-30°	303.3	190.6	60.7	0.0
-32.5°	294.6	184.9	60.7	0.0
-35°	288.9	176.2	57.8	0.0
-37.5°	280.2	167.5	57.8	0.0
-40°	271.5	158.9	54.9	0.0
-42.5°	262.9	150.2	52.0	0.0
-45°	251.3	141.5	52.0	0.0
-47.5°	242.6	132.9	49.1	0.0
-50°	228.2	121.3	46.2	0.0
-52.5°	210.9	109.8	43.3	0.0
-55°	193.5	101.1	40.4	0.0
-57.5°	176.2	89.5	40.4	0.0
-60°	158.9	78.0	37.6	0.0
-62.5°	141.5	72.2	34.7	0.0
-65°	124.2	66.4	31.8	0.0
-67.5°	104.0	57.8	28.9	0.0
-70°	86.7	52.0	26.0	0.0
-72.5°	75.1	46.2	23.1	0.0
-75°	63.5	40.4	20.2	0.0
-77.5°	54.9	34.7	17.3	0.0
-80°	43.3	26.0	11.6	0.0
-82.5°	31.8	20.2	8.7	0.0
-85°	20.2	14.4	5.8	0.0
-87.5°	11.6	5.8	2.9	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)