

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: P722007

Luminaire Tested: **IFLD-M-SA4E-727-U-76**

Issue Date: 10/26/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P722007  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4E-727-U-76  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens  
Light Source: (64) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

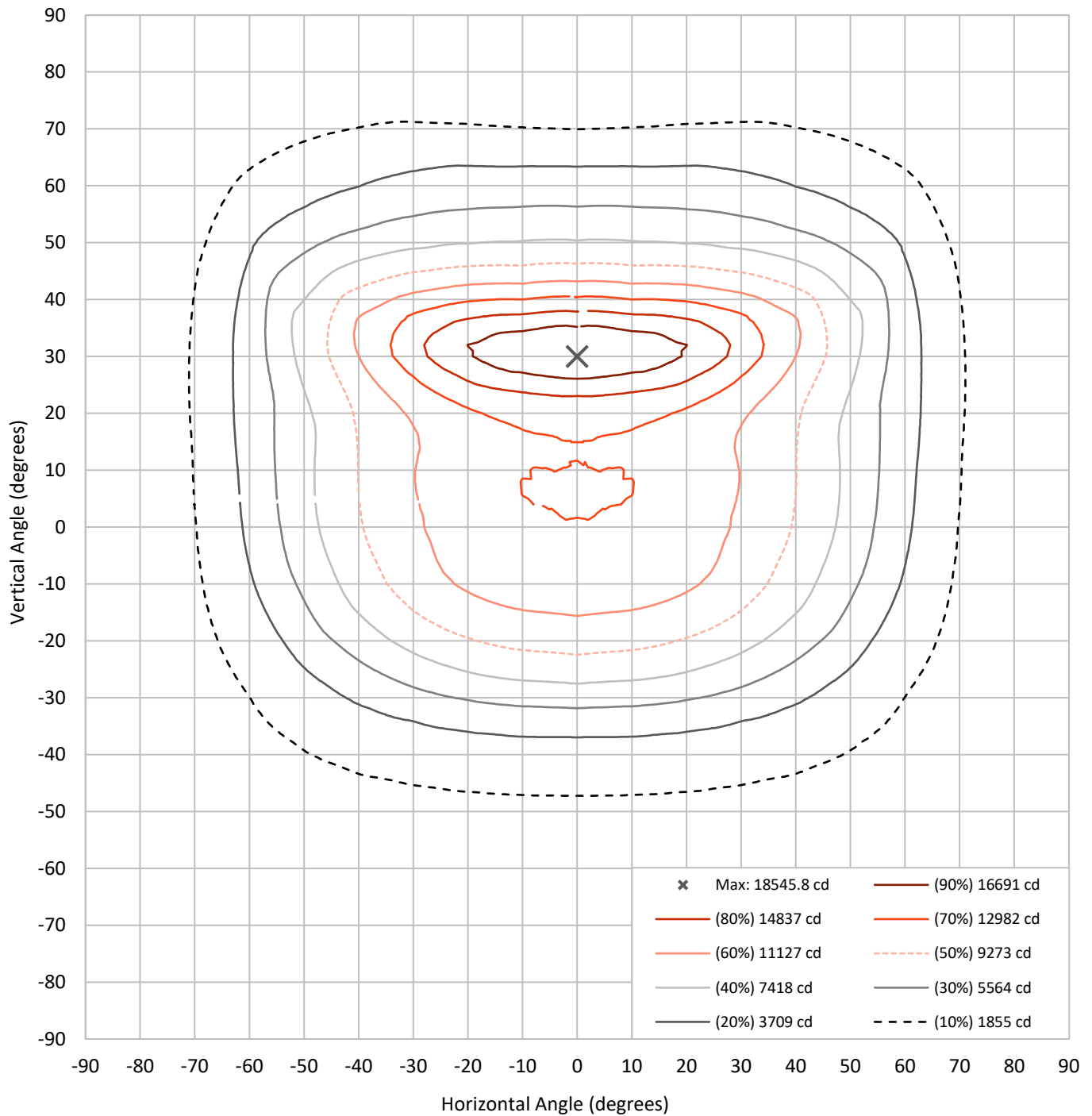
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	30957.6 lumens	Max Intensity:	18545.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	98.3 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	18002.2 lumens	Field Lumens:	29011.3 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



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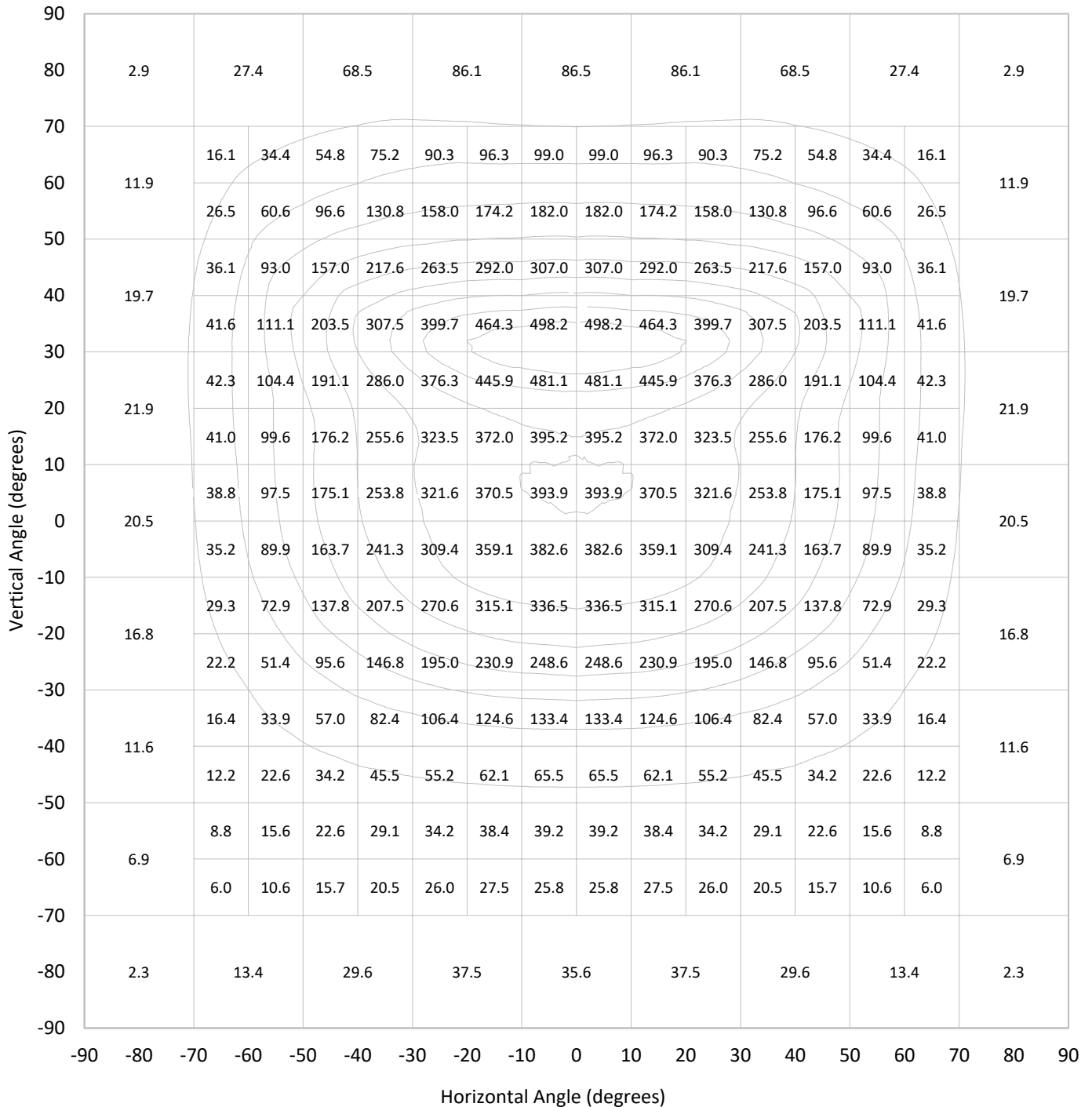
### Iso-Candela Plot





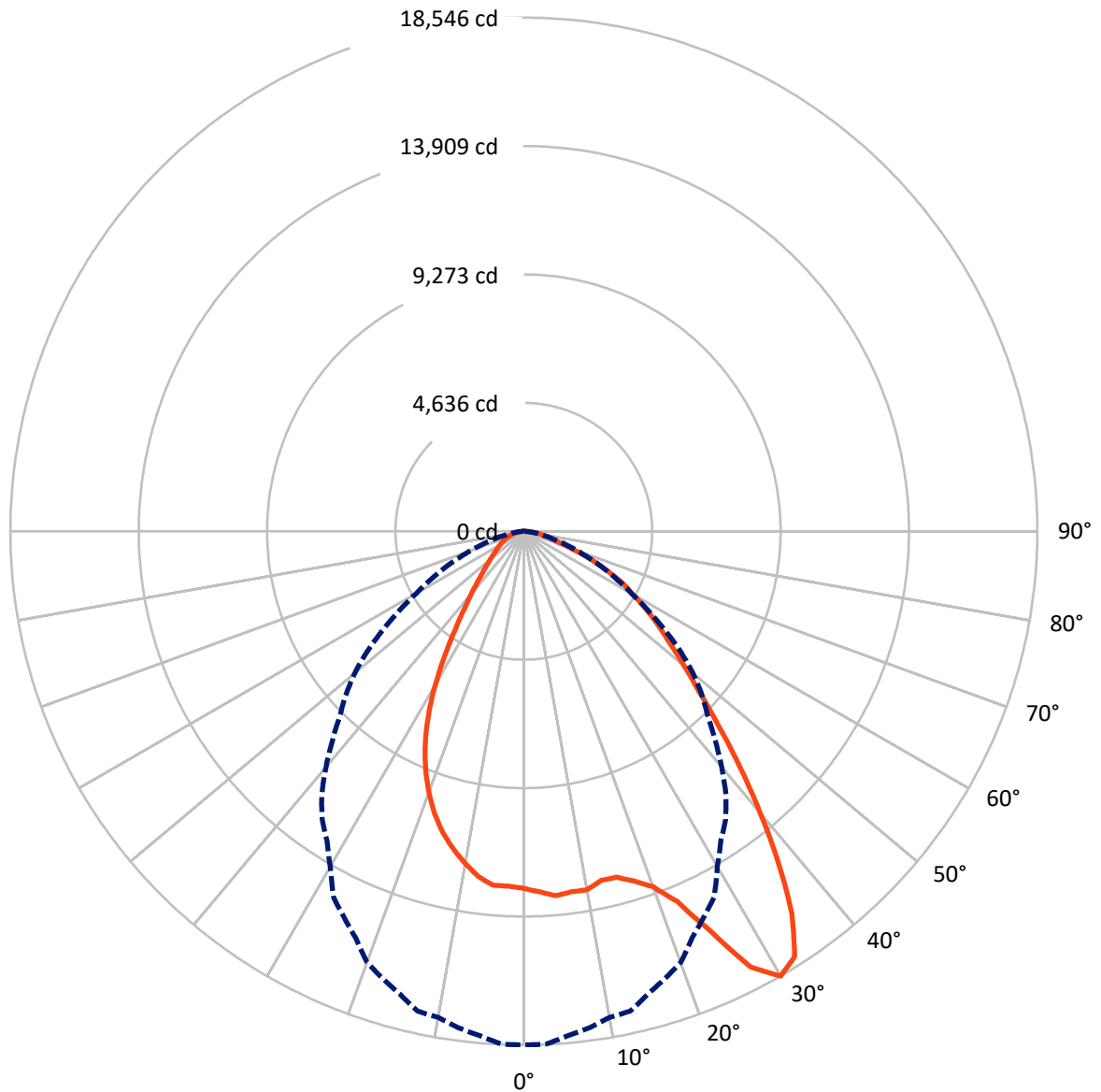
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### Lumen Table



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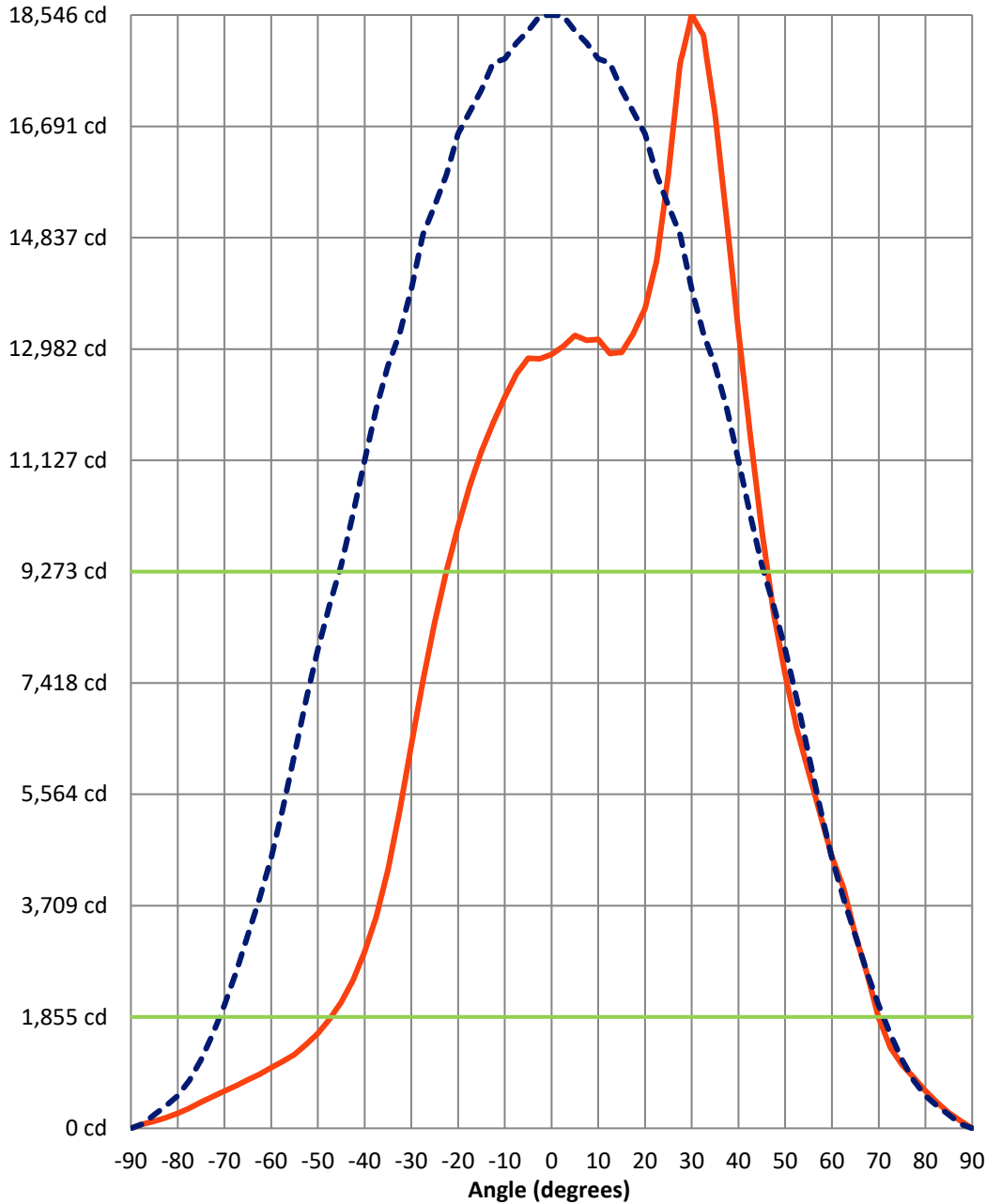
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 90.8°  
 V Angle: 68.8°  
 Lumens: 18002.2  
 Efficiency: 58.2%

**Field:**  
 H Angle: 142°  
 V Angle: 117.1°  
 Lumens: 29011.3  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 1946.3  
 Efficiency: 6.3%

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



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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°	124.6	127.9	131.2	131.2	127.9	127.9	127.9	124.6	127.9	127.9	127.9
85°	259.1	265.6	272.2	268.9	265.6	259.1	252.5	255.8	259.1	262.4	262.4
82.5°	429.6	439.5	446.0	442.7	436.2	429.6	423.1	426.3	432.9	436.2	436.2
80°	623.1	626.4	629.7	636.2	626.4	626.4	623.1	636.2	642.8	649.3	655.9
77.5°	846.1	849.4	849.4	852.7	856.0	859.2	859.2	882.2	898.6	908.4	918.3
75°	1056.0	1065.9	1075.7	1085.5	1098.6	1105.2	1115.0	1147.8	1174.1	1193.8	1213.4
72.5°	1344.6	1357.7	1374.1	1397.1	1420.0	1436.4	1459.4	1498.8	1528.3	1547.9	1570.9
70°	1839.8	1852.9	1869.3	1885.7	1908.7	1925.1	1948.0	1997.2	2026.8	2039.9	2053.0
67.5°	2574.4	2607.2	2636.8	2604.0	2587.6	2564.6	2571.2	2617.1	2646.6	2666.3	2663.0
65°	3227.1	3250.0	3250.0	3246.7	3233.6	3204.1	3220.5	3276.3	3309.1	3325.5	3276.3
62.5°	3994.5	3994.5	3978.1	4004.3	4007.6	3987.9	3978.1	3981.4	3984.6	3994.5	3912.5
60°	4525.8	4558.6	4568.4	4591.4	4597.9	4597.9	4614.3	4627.4	4627.4	4607.8	4512.7
57.5°	5227.6	5289.9	5303.0	5286.6	5253.8	5211.2	5204.6	5185.0	5145.6	5106.3	5060.3
55°	5936.0	5968.8	5965.5	5955.7	5922.9	5873.7	5880.2	5854.0	5791.7	5742.5	5680.2
52.5°	6647.6	6726.3	6739.5	6719.8	6673.9	6621.4	6624.7	6595.2	6532.9	6480.4	6395.1
50°	7556.1	7621.7	7615.1	7582.3	7516.7	7477.4	7480.6	7424.9	7352.7	7336.3	7224.8
47.5°	8595.7	8671.1	8658.0	8612.1	8523.5	8507.1	8523.5	8451.4	8408.8	8372.7	8241.5
45°	9960.0	10048.5	9999.3	9910.8	9769.8	9786.2	9809.1	9796.0	9704.2	9609.1	9441.8
42.5°	11560.4	11616.1	11557.1	11468.6	11291.5	11324.3	11311.1	11232.4	11176.7	11019.3	10806.1
40°	13272.3	13393.7	13301.8	13164.1	12980.4	13029.6	12993.6	12891.9	12760.7	12563.9	12295.0
37.5°	15118.7	15213.8	15108.9	14948.2	14784.2	14767.8	14695.6	14538.2	14351.3	14134.8	13705.2
35°	16886.4	17132.3	16938.8	16683.0	16483.0	16407.6	16338.7	15974.7	15761.5	15410.6	14823.5
32.5°	18201.5	18381.8	18142.4	17876.8	17634.1	17529.2	17286.5	16853.6	16738.8	16000.9	15463.1
30°	18545.8	18532.7	18283.5	18080.1	17817.8	17745.6	17299.6	16932.3	16565.0	15882.8	15371.2
27.5°	17725.9	17643.9	17404.5	17227.4	16968.4	16883.1	16443.6	16246.9	15679.5	15102.3	14669.4
25°	15899.2	15941.9	15761.5	15672.9	15502.4	15318.8	15144.9	14879.3	14525.1	14020.1	13623.2
22.5°	14459.5	14515.3	14439.8	14334.9	14203.7	14102.0	13970.9	13764.2	13423.2	13111.6	12737.8
20°	13659.3	13642.9	13577.3	13498.6	13374.0	13301.8	13157.5	12983.7	12721.4	12452.4	12049.0
17.5°	13239.5	13137.9	13075.5	13046.0	12980.4	12888.6	12718.1	12541.0	12337.6	12032.6	11737.5
15°	12928.0	12944.4	12895.2	12872.2	12819.7	12691.8	12518.0	12373.7	12098.2	11944.1	11675.2
12.5°	12908.3	12891.9	12895.2	12885.3	12819.7	12655.8	12567.2	12383.6	12206.5	12003.1	11694.9
10°	13141.1	12967.3	12980.4	13026.4	12921.4	12790.2	12695.1	12495.1	12327.8	12068.7	11763.7
7.5°	13128.0	13039.5	13065.7	12990.3	13023.1	12862.4	12731.2	12531.1	12321.2	12045.8	11770.3
5°	13206.7	13072.3	13049.3	13055.9	12973.9	12852.5	12675.4	12485.2	12288.5	11980.2	11698.1
2.5°	13026.4	13046.0	12941.1	12901.7	12891.9	12688.6	12524.6	12340.9	12137.6	11865.4	11612.9
0°	12891.9	12928.0	12819.7	12764.0	12760.7	12586.9	12481.9	12272.1	12127.8	11901.5	11596.5
-2.5°	12819.7	12862.4	12875.5	12773.8	12675.4	12541.0	12363.9	12137.6	11901.5	11639.1	11376.7
-5°	12826.3	12741.0	12705.0	12737.8	12652.5	12518.0	12321.2	12121.2	11888.3	11606.3	11278.4
-7.5°	12567.2	12481.9	12475.4	12459.0	12439.3	12311.4	12147.4	11931.0	11694.9	11432.5	11127.5
-10°	12180.2	12117.9	12101.5	12085.1	12032.6	11957.2	11803.1	11606.3	11393.1	11130.8	10806.1
-12.5°	11750.6	11721.1	11658.8	11616.1	11563.7	11475.1	11327.5	11147.2	10934.0	10701.2	10422.4
-15°	11275.1	11219.3	11157.0	11120.9	11045.5	10940.6	10793.0	10625.7	10392.9	10163.3	9900.9
-17.5°	10701.2	10632.3	10563.4	10553.6	10501.1	10340.4	10202.7	9999.3	9796.0	9576.3	9320.5
-20°	10025.6	9930.5	9884.5	9858.3	9786.2	9668.1	9520.5	9333.6	9136.8	8926.9	8631.8



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	9277.8	9195.8	9117.1	9067.9	9005.6	8913.8	8772.8	8608.8	8415.3	8179.2	7907.0
-25°	8428.4	8313.6	8264.5	8208.7	8175.9	8090.6	7952.9	7802.0	7602.0	7372.4	7113.3
-27.5°	7457.7	7365.9	7339.6	7260.9	7221.6	7133.0	7018.2	6877.2	6693.6	6477.1	6263.9
-30°	6385.3	6329.5	6286.9	6208.2	6178.7	6083.6	6008.1	5890.1	5722.8	5568.7	5398.1
-32.5°	5283.3	5227.6	5214.5	5178.4	5158.7	5096.4	5011.1	4925.9	4791.4	4676.6	4538.9
-35°	4306.0	4266.7	4270.0	4266.7	4247.0	4201.1	4096.2	4073.2	3974.8	3869.9	3781.3
-37.5°	3525.5	3528.8	3525.5	3522.2	3496.0	3476.3	3400.9	3371.4	3312.3	3210.7	3158.2
-40°	2938.5	2945.0	2941.8	2935.2	2905.7	2895.8	2846.6	2807.3	2784.3	2712.2	2656.4
-42.5°	2462.9	2472.8	2469.5	2466.2	2446.5	2443.3	2417.0	2371.1	2358.0	2315.4	2256.3
-45°	2102.2	2098.9	2092.3	2098.9	2089.1	2079.2	2062.8	2033.3	2016.9	1997.2	1948.0
-47.5°	1816.9	1820.1	1813.6	1813.6	1800.5	1790.6	1784.1	1764.4	1751.3	1734.9	1705.4
-50°	1580.7	1593.9	1590.6	1587.3	1577.5	1570.9	1570.9	1551.2	1531.5	1525.0	1505.3
-52.5°	1397.1	1406.9	1410.2	1416.8	1420.0	1423.3	1413.5	1393.8	1361.0	1357.7	1347.9
-55°	1229.8	1259.3	1279.0	1292.1	1305.3	1315.1	1295.4	1269.2	1236.4	1223.3	1220.0
-57.5°	1115.0	1144.6	1167.5	1187.2	1203.6	1220.0	1200.3	1174.1	1144.6	1128.2	1124.9
-60°	1010.1	1036.3	1059.3	1085.5	1108.5	1134.7	1124.9	1105.2	1088.8	1075.7	1062.6
-62.5°	898.6	924.8	951.1	983.9	1013.4	1039.6	1042.9	1039.6	1036.3	1039.6	1016.7
-65°	806.8	819.9	836.3	872.4	905.2	934.7	951.1	960.9	977.3	993.7	970.7
-67.5°	708.4	724.8	744.5	770.7	796.9	816.6	839.6	865.8	892.0	918.3	901.9
-70°	619.8	633.0	649.3	662.5	678.9	692.0	711.7	741.2	770.7	796.9	790.4
-72.5°	528.0	541.1	551.0	557.5	567.4	573.9	583.8	610.0	629.7	642.8	642.8
-75°	436.2	449.3	459.1	462.4	469.0	472.3	478.8	488.7	498.5	501.8	505.0
-77.5°	334.5	347.6	357.5	364.0	370.6	377.1	380.4	387.0	390.3	390.3	393.5
-80°	249.2	259.1	265.6	275.5	278.8	285.3	291.9	295.2	298.4	298.4	301.7
-82.5°	177.1	183.7	190.2	196.8	203.3	206.6	213.2	216.4	219.7	223.0	226.3
-85°	118.1	124.6	131.2	137.7	141.0	144.3	147.6	150.9	154.1	157.4	160.7
-87.5°	68.9	72.1	75.4	82.0	85.3	91.8	95.1	91.8	95.1	95.1	95.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**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°	127.9	127.9	127.9	127.9	124.6	118.1	114.8	108.2	101.7	95.1	88.5
85°	265.6	268.9	268.9	268.9	262.4	259.1	249.2	239.4	226.3	206.6	190.2
82.5°	442.7	446.0	446.0	442.7	436.2	426.3	413.2	396.8	370.6	344.4	321.4
80°	665.7	669.0	669.0	665.7	649.3	633.0	616.6	596.9	564.1	528.0	488.7
77.5°	931.4	937.9	937.9	928.1	905.2	885.5	859.2	826.4	777.3	724.8	672.3
75°	1239.7	1256.1	1259.3	1249.5	1220.0	1183.9	1141.3	1085.5	1010.1	944.5	882.2
72.5°	1597.1	1613.5	1626.7	1613.5	1570.9	1521.7	1459.4	1393.8	1318.4	1229.8	1124.9
70°	2066.1	2082.5	2092.3	2049.7	1974.3	1892.3	1816.9	1741.4	1652.9	1544.7	1429.9
67.5°	2656.4	2640.0	2620.4	2535.1	2440.0	2341.6	2236.6	2125.1	2010.4	1895.6	1761.1
65°	3223.8	3177.9	3135.2	3033.6	2912.2	2784.3	2663.0	2538.4	2400.6	2256.3	2128.4
62.5°	3820.7	3722.3	3617.3	3492.7	3368.1	3227.1	3105.7	2958.1	2804.0	2626.9	2462.9
60°	4407.7	4289.6	4184.7	4030.6	3866.6	3676.4	3545.2	3400.9	3220.5	3030.3	2836.8
57.5°	4975.1	4847.2	4732.4	4597.9	4420.8	4214.2	4069.9	3883.0	3692.8	3453.4	3256.6
55°	5578.5	5450.6	5358.8	5207.9	5014.4	4824.2	4666.8	4470.0	4204.4	3948.6	3705.9
52.5°	6270.5	6168.8	6070.4	5916.3	5683.5	5490.0	5316.1	5096.4	4817.7	4502.8	4210.9
50°	7044.5	6992.0	6887.0	6706.7	6441.0	6270.5	6040.9	5749.0	5450.6	5119.4	4755.3
47.5°	8071.0	7985.7	7838.1	7641.3	7418.3	7162.5	6854.2	6513.2	6090.1	5722.8	5335.8
45°	9297.5	9140.1	8949.9	8684.2	8408.8	8120.2	7782.4	7349.5	6782.1	6303.3	5896.6
42.5°	10625.7	10412.6	10153.5	9805.8	9448.4	9094.2	8730.1	8139.8	7431.4	6880.5	6421.3
40°	12013.0	11740.8	11416.1	10911.0	10514.2	10058.4	9641.9	8759.7	8005.4	7408.5	6919.8
37.5°	13370.7	13026.4	12481.9	11868.7	11406.3	11032.4	10117.4	9172.9	8497.3	7841.4	7346.2
35°	14410.3	14118.4	13157.5	12521.3	12124.5	11534.2	10389.6	9422.1	8707.2	8162.8	7392.1
32.5°	15026.9	14272.6	13429.7	12786.9	12459.0	11491.5	10409.3	9494.3	8805.6	8195.6	7274.0
30°	14889.1	13977.4	13239.5	12701.7	11990.0	11120.9	10225.6	9382.8	8713.7	7975.9	7142.8
27.5°	14059.4	13354.3	12695.1	12134.3	11435.8	10655.2	9828.8	9087.6	8464.5	7749.6	6962.5
25°	13121.5	12481.9	11993.3	11504.6	10842.2	10097.7	9369.7	8835.1	8208.7	7503.6	6726.3
22.5°	12258.9	11799.8	11416.1	10904.5	10258.4	9609.1	9156.5	8602.2	7959.5	7244.5	6483.7
20°	11708.0	11396.4	10957.0	10392.9	9884.5	9477.9	8976.1	8389.1	7726.6	6978.9	6277.0
17.5°	11442.3	11081.6	10592.9	10225.6	9835.4	9389.3	8828.5	8205.4	7500.3	6857.5	6300.0
15°	11304.6	10924.2	10602.8	10242.0	9802.6	9333.6	8710.5	8064.4	7500.3	6906.7	6316.4
12.5°	11334.1	11006.2	10655.2	10261.7	9789.4	9287.7	8723.6	8123.4	7539.7	6942.8	6319.7
10°	11425.9	11081.6	10707.7	10271.5	9796.0	9300.8	8759.7	8159.5	7559.3	6959.2	6313.1
7.5°	11458.7	11084.9	10684.8	10245.3	9779.6	9294.2	8766.2	8169.3	7562.6	6955.9	6293.4
5°	11357.1	11019.3	10632.3	10189.5	9733.7	9261.4	8740.0	8156.2	7536.4	6923.1	6244.3
2.5°	11219.3	10947.1	10576.5	10150.2	9687.8	9215.5	8697.4	8097.2	7477.4	6864.1	6181.9
0°	11196.4	10858.6	10484.7	10104.3	9612.3	9113.9	8599.0	7985.7	7369.1	6752.6	6073.7
-2.5°	11045.5	10688.0	10314.2	9900.9	9468.0	8966.3	8425.1	7825.0	7215.0	6608.3	5955.7
-5°	10930.7	10533.9	10137.1	9691.1	9254.9	8753.1	8192.3	7608.5	7011.7	6421.3	5791.7
-7.5°	10776.6	10369.9	9953.4	9487.7	9015.5	8503.9	7949.6	7365.9	6778.8	6191.8	5588.3
-10°	10465.0	10107.6	9717.3	9235.2	8736.7	8225.1	7674.1	7100.2	6513.2	5919.6	5312.9
-12.5°	10087.9	9710.7	9284.4	8841.7	8395.6	7920.1	7369.1	6805.1	6214.7	5617.9	5014.4
-15°	9599.2	9228.6	8792.5	8359.6	7929.9	7474.1	6988.7	6480.4	5880.2	5293.2	4689.7
-17.5°	8989.2	8641.6	8251.3	7838.1	7411.8	6952.6	6480.4	6050.8	5490.0	4939.0	4342.1
-20°	8333.3	8008.6	7657.7	7267.5	6841.1	6391.8	5945.8	5496.5	5011.1	4525.8	3971.5



REPORT NUMBER: P722007  
 CATALOG NUMBER: IFLD-M-SA4E-727-U-76

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	7651.2	7323.2	6969.0	6605.0	6211.5	5795.0	5381.7	4952.1	4525.8	4086.3	3617.3
-25°	6864.1	6575.5	6250.8	5896.6	5545.7	5181.7	4788.1	4397.9	4033.8	3653.4	3269.7
-27.5°	6040.9	5775.3	5480.1	5171.8	4870.1	4565.1	4224.1	3863.3	3561.6	3246.7	2928.6
-30°	5175.1	4962.0	4722.5	4453.6	4220.8	3974.8	3689.5	3391.0	3115.6	2876.2	2620.4
-32.5°	4355.2	4174.9	4004.3	3827.2	3597.7	3407.4	3210.7	2990.9	2748.3	2522.0	2338.3
-35°	3650.1	3456.6	3384.5	3253.3	3089.3	2922.1	2777.8	2620.4	2436.7	2236.6	2085.8
-37.5°	3056.5	2941.8	2840.1	2767.9	2659.7	2525.2	2410.5	2295.7	2154.7	2003.8	1852.9
-40°	2594.1	2515.4	2403.9	2367.8	2299.0	2207.1	2089.1	2000.5	1905.4	1790.6	1662.7
-42.5°	2223.5	2164.5	2092.3	2030.0	2000.5	1934.9	1843.1	1757.8	1682.4	1603.7	1505.3
-45°	1918.5	1879.2	1833.3	1777.5	1754.6	1702.1	1636.5	1541.4	1498.8	1433.2	1361.0
-47.5°	1672.6	1652.9	1620.1	1584.0	1551.2	1511.9	1452.8	1393.8	1334.8	1292.1	1236.4
-50°	1479.1	1466.0	1446.3	1416.8	1374.1	1347.9	1308.5	1256.1	1200.3	1164.2	1124.9
-52.5°	1324.9	1311.8	1298.7	1275.7	1242.9	1216.7	1183.9	1141.3	1095.4	1059.3	1026.5
-55°	1206.9	1187.2	1177.4	1157.7	1131.4	1101.9	1072.4	1042.9	1003.5	970.7	937.9
-57.5°	1115.0	1088.8	1075.7	1059.3	1033.1	1003.5	980.6	951.1	924.8	888.8	859.2
-60°	1042.9	1013.4	987.1	970.7	947.8	918.3	895.3	872.4	846.1	816.6	780.5
-62.5°	983.9	947.8	911.7	892.0	869.1	842.8	819.9	796.9	770.7	741.2	708.4
-65°	928.1	885.5	839.6	819.9	796.9	770.7	741.2	724.8	701.8	675.6	642.8
-67.5°	859.2	813.3	774.0	751.0	728.1	705.1	678.9	662.5	639.5	606.7	573.9
-70°	757.6	728.1	701.8	682.1	662.5	642.8	616.6	590.3	564.1	534.6	505.0
-72.5°	629.7	619.8	616.6	606.7	583.8	560.8	534.6	508.3	485.4	462.4	439.5
-75°	508.3	514.9	521.4	518.2	495.2	472.3	449.3	426.3	409.9	390.3	370.6
-77.5°	403.4	409.9	416.5	416.5	400.1	387.0	370.6	354.2	341.1	324.7	305.0
-80°	311.6	321.4	331.2	337.8	324.7	314.8	301.7	288.6	275.5	262.4	249.2
-82.5°	236.1	246.0	255.8	262.4	252.5	246.0	236.1	226.3	216.4	203.3	193.5
-85°	170.5	177.1	183.7	186.9	180.4	173.8	167.3	160.7	154.1	144.3	137.7
-87.5°	98.4	101.7	104.9	108.2	101.7	95.1	91.8	85.3	82.0	75.4	72.1
-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: P722007  
 CATALOG NUMBER: IFLD-M-SA4E-727-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°	82.0	75.4	68.9	65.6	59.0	49.2	42.6	36.1	29.5	23.0	19.7
85°	173.8	157.4	137.7	127.9	114.8	101.7	88.5	75.4	62.3	49.2	36.1
82.5°	298.4	278.8	259.1	236.1	206.6	170.5	134.5	111.5	91.8	72.1	55.8
80°	449.3	413.2	380.4	350.9	318.1	272.2	223.0	177.1	124.6	95.1	72.1
77.5°	623.1	580.5	534.6	485.4	432.9	370.6	314.8	255.8	193.5	131.2	91.8
75°	819.9	764.1	701.8	633.0	564.1	482.1	403.4	334.5	262.4	183.7	111.5
72.5°	1039.6	970.7	895.3	803.5	695.3	600.2	505.0	413.2	328.0	232.8	150.9
70°	1321.7	1213.4	1101.9	1003.5	865.8	714.9	603.4	498.5	390.3	285.3	190.2
67.5°	1623.4	1492.2	1357.7	1213.4	1039.6	862.5	701.8	583.8	455.9	334.5	226.3
65°	1951.3	1787.4	1616.8	1456.1	1216.7	1006.8	826.4	665.7	518.2	380.4	262.4
62.5°	2289.1	2095.6	1898.9	1689.0	1413.5	1154.4	944.5	757.6	577.2	423.1	295.2
60°	2649.9	2423.6	2184.2	1921.8	1600.4	1315.1	1056.0	852.7	639.5	465.7	331.2
57.5°	3030.3	2784.3	2502.3	2148.1	1793.9	1469.2	1183.9	937.9	695.3	505.0	357.5
55°	3443.5	3161.5	2853.2	2384.2	1984.1	1623.4	1311.8	1023.2	754.3	537.8	383.7
52.5°	3889.5	3561.6	3171.3	2633.5	2184.2	1780.8	1429.9	1098.6	810.0	573.9	406.7
50°	4388.0	3974.8	3450.1	2863.0	2358.0	1928.4	1547.9	1180.6	856.0	613.3	426.3
47.5°	4906.2	4460.2	3699.3	3076.2	2535.1	2072.7	1669.3	1252.8	901.9	646.1	446.0
45°	5447.3	4798.0	3958.4	3266.4	2689.2	2203.9	1761.1	1318.4	957.6	675.6	462.4
42.5°	5981.9	5053.8	4184.7	3456.6	2833.5	2321.9	1836.5	1380.7	1003.5	705.1	478.8
40°	6234.4	5247.3	4365.1	3587.8	2954.9	2426.9	1902.1	1436.4	1042.9	724.8	495.2
37.5°	6339.4	5365.3	4483.1	3712.4	3050.0	2482.6	1957.9	1485.6	1075.7	744.5	508.3
35°	6362.3	5408.0	4542.2	3797.7	3128.7	2535.1	2000.5	1521.7	1101.9	764.1	521.4
32.5°	6319.7	5394.9	4558.6	3827.2	3177.9	2574.4	2030.0	1547.9	1121.6	783.8	534.6
30°	6224.6	5326.0	4499.5	3823.9	3214.0	2597.4	2049.7	1567.6	1141.3	796.9	541.1
27.5°	6070.4	5204.6	4424.1	3827.2	3233.6	2607.2	2059.6	1577.5	1154.4	806.8	554.2
25°	5880.2	5040.7	4427.4	3820.7	3236.9	2610.5	2059.6	1577.5	1157.7	810.0	564.1
22.5°	5660.5	5040.7	4427.4	3810.8	3217.2	2604.0	2049.7	1570.9	1157.7	816.6	573.9
20°	5673.6	5043.9	4417.5	3791.2	3187.7	2584.3	2026.8	1554.5	1147.8	826.4	580.5
17.5°	5683.5	5037.4	4397.9	3764.9	3148.4	2551.5	1997.2	1531.5	1147.8	836.3	583.8
15°	5683.5	5017.7	4368.4	3725.6	3099.2	2505.6	1954.6	1511.9	1151.1	839.6	590.3
12.5°	5673.6	4981.6	4322.4	3673.1	3040.1	2449.8	1928.4	1505.3	1151.1	842.8	590.3
10°	5653.9	4932.4	4263.4	3607.5	2984.4	2430.1	1915.3	1492.2	1144.6	842.8	590.3
7.5°	5617.9	4873.4	4214.2	3568.1	2951.6	2407.2	1895.6	1472.5	1134.7	836.3	596.9
5°	5562.1	4840.6	4174.9	3522.2	2905.7	2390.8	1882.5	1456.1	1128.2	836.3	590.3
2.5°	5490.0	4801.3	4128.9	3463.2	2853.2	2335.0	1839.8	1420.0	1105.2	823.2	583.8
0°	5371.9	4722.5	4050.2	3381.2	2781.1	2279.3	1797.2	1384.0	1082.2	810.0	577.2
-2.5°	5263.7	4617.6	3948.6	3295.9	2712.2	2230.1	1764.4	1364.3	1072.4	806.8	573.9
-5°	5112.8	4473.3	3814.1	3184.4	2620.4	2180.9	1731.6	1341.3	1062.6	800.2	573.9
-7.5°	4945.6	4322.4	3673.1	3069.7	2528.5	2095.6	1669.3	1305.3	1039.6	787.1	570.6
-10°	4686.5	4096.2	3496.0	2938.5	2430.1	2020.2	1616.8	1272.5	1019.9	774.0	557.5
-12.5°	4411.0	3846.9	3292.7	2777.8	2318.6	1941.5	1557.8	1236.4	997.0	760.9	551.0
-15°	4119.1	3591.1	3079.5	2610.5	2197.3	1846.4	1495.5	1197.0	974.0	744.5	541.1
-17.5°	3814.1	3322.2	2859.8	2440.0	2076.0	1748.0	1429.9	1161.0	947.8	728.1	531.3
-20°	3492.7	3046.7	2636.8	2266.2	1948.0	1649.6	1361.0	1118.3	918.3	708.4	518.2



REPORT NUMBER: P722007  
 CATALOG NUMBER: IFLD-M-SA4E-727-U-76

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	3174.6	2774.5	2407.2	2095.6	1816.9	1547.9	1292.1	1075.7	885.5	685.4	508.3
-25°	2892.6	2518.7	2203.9	1931.7	1689.0	1449.6	1220.0	1033.1	849.4	662.5	495.2
-27.5°	2617.1	2299.0	2003.8	1777.5	1564.3	1354.5	1151.1	987.1	813.3	636.2	482.1
-30°	2361.3	2089.1	1846.4	1626.7	1446.3	1269.2	1092.1	941.2	774.0	610.0	465.7
-32.5°	2128.4	1908.7	1705.4	1495.5	1334.8	1183.9	1036.3	895.3	734.6	583.8	449.3
-35°	1912.0	1741.4	1564.3	1387.2	1223.3	1105.2	977.3	846.1	698.5	554.2	432.9
-37.5°	1718.5	1580.7	1439.7	1288.9	1147.8	1029.8	921.6	796.9	662.5	528.0	416.5
-40°	1551.2	1439.7	1315.1	1193.8	1075.7	964.2	865.8	747.7	626.4	508.3	400.1
-42.5°	1397.1	1311.8	1210.2	1108.5	1003.5	905.2	810.0	695.3	590.3	485.4	383.7
-45°	1279.0	1193.8	1111.8	1019.9	931.4	846.1	751.0	649.3	557.5	459.1	367.3
-47.5°	1167.5	1092.1	1016.7	941.2	869.1	790.4	695.3	610.0	521.4	436.2	354.2
-50°	1069.1	997.0	931.4	865.8	803.5	728.1	639.5	570.6	491.9	413.2	337.8
-52.5°	977.3	915.0	849.4	796.9	744.5	669.0	596.9	531.3	462.4	387.0	321.4
-55°	895.3	836.3	777.3	728.1	678.9	613.3	554.2	498.5	432.9	367.3	305.0
-57.5°	816.6	767.4	711.7	665.7	616.6	564.1	514.9	462.4	403.4	347.6	288.6
-60°	744.5	698.5	649.3	603.4	560.8	518.2	472.3	429.6	377.1	324.7	272.2
-62.5°	672.3	633.0	590.3	544.4	511.6	472.3	436.2	393.5	350.9	305.0	242.7
-65°	606.7	570.6	531.3	491.9	462.4	432.9	400.1	360.7	324.7	282.0	216.4
-67.5°	541.1	508.3	475.5	442.7	416.5	393.5	360.7	331.2	301.7	255.8	190.2
-70°	478.8	452.6	423.1	396.8	377.1	350.9	328.0	301.7	275.5	223.0	160.7
-72.5°	419.8	393.5	370.6	350.9	334.5	311.6	291.9	272.2	236.1	186.9	134.5
-75°	350.9	334.5	321.4	305.0	288.6	272.2	255.8	232.8	196.8	150.9	104.9
-77.5°	288.6	278.8	268.9	255.8	242.7	229.6	209.9	186.9	157.4	118.1	85.3
-80°	236.1	226.3	219.7	206.6	196.8	183.7	164.0	144.3	114.8	91.8	68.9
-82.5°	180.4	173.8	167.3	160.7	150.9	137.7	118.1	101.7	85.3	68.9	52.5
-85°	127.9	124.6	118.1	111.5	101.7	91.8	78.7	68.9	59.0	45.9	36.1
-87.5°	65.6	62.3	59.0	55.8	52.5	45.9	39.4	32.8	29.5	23.0	16.4
-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: P722007  
 CATALOG NUMBER: IFLD-M-SA4E-727-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	13.1	9.8	3.3	0.0
85°	26.2	16.4	6.6	0.0
82.5°	39.4	26.2	9.8	0.0
80°	52.5	32.8	16.4	0.0
77.5°	65.6	39.4	19.7	0.0
75°	78.7	49.2	23.0	0.0
72.5°	88.5	55.8	26.2	0.0
70°	104.9	65.6	29.5	0.0
67.5°	131.2	72.1	32.8	0.0
65°	154.1	78.7	36.1	0.0
62.5°	180.4	85.3	39.4	0.0
60°	203.3	91.8	42.6	0.0
57.5°	226.3	108.2	45.9	0.0
55°	246.0	121.3	49.2	0.0
52.5°	268.9	134.5	52.5	0.0
50°	288.6	147.6	55.8	0.0
47.5°	305.0	160.7	55.8	0.0
45°	318.1	170.5	59.0	0.0
42.5°	328.0	180.4	62.3	0.0
40°	337.8	190.2	65.6	0.0
37.5°	347.6	200.1	65.6	0.0
35°	357.5	209.9	68.9	0.0
32.5°	367.3	219.7	68.9	0.0
30°	373.9	226.3	72.1	0.0
27.5°	383.7	232.8	72.1	0.0
25°	387.0	239.4	75.4	0.0
22.5°	393.5	242.7	75.4	0.0
20°	400.1	249.2	75.4	0.0
17.5°	403.4	252.5	78.7	0.0
15°	403.4	255.8	82.0	0.0
12.5°	406.7	259.1	82.0	0.0
10°	406.7	265.6	78.7	0.0
7.5°	413.2	262.4	78.7	0.0
5°	409.9	262.4	78.7	0.0
2.5°	406.7	259.1	78.7	0.0
0°	403.4	259.1	78.7	0.0
-2.5°	403.4	259.1	78.7	0.0
-5°	403.4	259.1	78.7	0.0
-7.5°	400.1	262.4	78.7	0.0
-10°	393.5	262.4	78.7	0.0
-12.5°	390.3	252.5	78.7	0.0
-15°	387.0	249.2	78.7	0.0
-17.5°	380.4	246.0	75.4	0.0
-20°	373.9	242.7	75.4	0.0



REPORT NUMBER: P722007  
 CATALOG NUMBER: IFLD-M-SA4E-727-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	367.3	236.1	75.4	0.0
-25°	360.7	229.6	72.1	0.0
-27.5°	354.2	223.0	72.1	0.0
-30°	344.4	216.4	68.9	0.0
-32.5°	334.5	209.9	68.9	0.0
-35°	328.0	200.1	65.6	0.0
-37.5°	318.1	190.2	65.6	0.0
-40°	308.3	180.4	62.3	0.0
-42.5°	298.4	170.5	59.0	0.0
-45°	285.3	160.7	59.0	0.0
-47.5°	275.5	150.9	55.8	0.0
-50°	259.1	137.7	52.5	0.0
-52.5°	239.4	124.6	49.2	0.0
-55°	219.7	114.8	45.9	0.0
-57.5°	200.1	101.7	45.9	0.0
-60°	180.4	88.5	42.6	0.0
-62.5°	160.7	82.0	39.4	0.0
-65°	141.0	75.4	36.1	0.0
-67.5°	118.1	65.6	32.8	0.0
-70°	98.4	59.0	29.5	0.0
-72.5°	85.3	52.5	26.2	0.0
-75°	72.1	45.9	23.0	0.0
-77.5°	62.3	39.4	19.7	0.0
-80°	49.2	29.5	13.1	0.0
-82.5°	36.1	23.0	9.8	0.0
-85°	23.0	16.4	6.6	0.0
-87.5°	13.1	6.6	3.3	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)