

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331277-840

Luminaire Tested: **SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331277-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1080 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

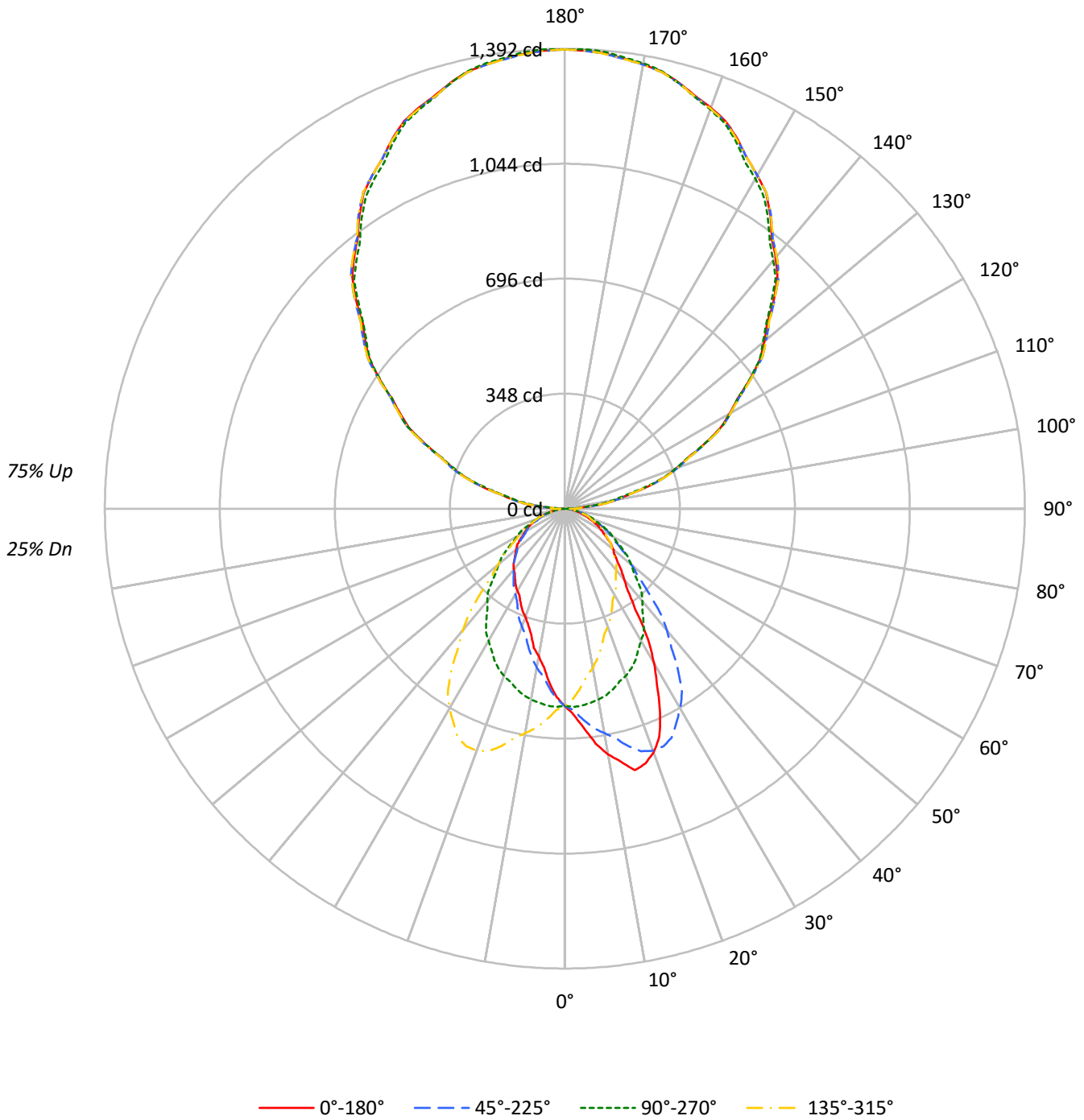
Lumens per Lamp: N/A  
Luminaire Lumens: 5209.3 lumens  
Efficiency: N/A  
Efficacy: 123.4 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 42.2  
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: 25 FT



TEST NUMBER: P331277-840  
CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 70 | 70 | 70 | 51 | 51 | 51 | 34 | 34 | 34 | 25 |
| 1   | 92  | 88  | 85  | 81  | 82 | 79 | 76 | 73 | 61 | 59 | 57 | 45 | 44 | 43 | 30 | 29 | 29 | 22 |
| 2   | 84  | 77  | 72  | 67  | 75 | 69 | 64 | 60 | 54 | 51 | 48 | 40 | 38 | 36 | 27 | 25 | 24 | 19 |
| 3   | 77  | 68  | 61  | 56  | 68 | 61 | 55 | 51 | 48 | 44 | 40 | 35 | 33 | 31 | 24 | 22 | 21 | 16 |
| 4   | 71  | 60  | 53  | 47  | 63 | 54 | 48 | 43 | 42 | 38 | 35 | 32 | 29 | 26 | 21 | 20 | 18 | 14 |
| 5   | 65  | 54  | 46  | 40  | 57 | 48 | 42 | 37 | 38 | 33 | 30 | 28 | 25 | 23 | 19 | 18 | 16 | 12 |
| 6   | 60  | 48  | 41  | 35  | 53 | 43 | 37 | 32 | 34 | 29 | 26 | 26 | 22 | 20 | 18 | 16 | 14 | 11 |
| 7   | 55  | 43  | 36  | 31  | 49 | 39 | 33 | 28 | 31 | 26 | 23 | 23 | 20 | 18 | 16 | 14 | 13 | 10 |
| 8   | 51  | 39  | 32  | 27  | 45 | 35 | 29 | 25 | 28 | 24 | 20 | 21 | 18 | 16 | 15 | 13 | 11 | 9  |
| 9   | 47  | 36  | 29  | 24  | 42 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 16 | 14 | 14 | 12 | 10 | 8  |
| 10  | 44  | 33  | 26  | 21  | 39 | 30 | 24 | 20 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 9  | 7  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°  | 180° | 270° |
|-----|-------|------|------|------|
| 0°  | 9637  | 9637 | 9637 | 9637 |
| 5°  | 10804 | 9700 | 8596 | 9700 |
| 10° | 12381 | 9621 | 7438 | 9621 |
| 15° | 13697 | 9444 | 6572 | 9444 |
| 20° | 13490 | 9256 | 5991 | 9256 |
| 25° | 12162 | 9002 | 5624 | 9002 |
| 30° | 10051 | 8600 | 5354 | 8600 |
| 35° | 7324  | 8180 | 5164 | 8180 |
| 40° | 5851  | 7685 | 5056 | 7685 |
| 45° | 5112  | 7108 | 4914 | 7108 |
| 50° | 4808  | 6551 | 4818 | 6551 |
| 55° | 4428  | 5987 | 4687 | 5987 |
| 60° | 4059  | 5383 | 4492 | 5383 |
| 65° | 3698  | 4844 | 4294 | 4844 |
| 70° | 3356  | 4319 | 4008 | 4319 |
| 75° | 2982  | 3737 | 3550 | 3737 |
| 80° | 2566  | 3087 | 2854 | 3087 |
| 85° | 2297  | 2297 | 1704 | 2297 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 56.8   | 1.1       |
| 10°-20°   | 165.3  | 3.2       |
| 20°-30°   | 239.9  | 4.6       |
| 30°-40°   | 253.1  | 4.9       |
| 40°-50°   | 224.1  | 4.3       |
| 50°-60°   | 178.8  | 3.4       |
| 60°-70°   | 121.6  | 2.3       |
| 70°-80°   | 62.3   | 1.2       |
| 80°-90°   | 20.6   | 0.4       |
| 90°-100°  | 88.1   | 1.7       |
| 100°-110° | 273.6  | 5.3       |
| 110°-120° | 467.6  | 9.0       |
| 120°-130° | 614.9  | 11.8      |
| 130°-140° | 690.2  | 13.2      |
| 140°-150° | 676.7  | 13.0      |
| 150°-160° | 567.6  | 10.9      |
| 160°-170° | 376.5  | 7.2       |
| 170°-180° | 131.6  | 2.5       |
| 0°-30°    | 462.0  | 8.9       |
| 0°-40°    | 715.1  | 13.7      |
| 0°-60°    | 1118.0 | 21.5      |
| 0°-90°    | 1322.5 | 25.4      |
| 90°-120°  | 829.3  | 15.9      |
| 90°-150°  | 2811.1 | 54.0      |
| 90°-180°  | 3887.0 | 74.6      |
| 0°-180°   | 5209.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 597  | 597  | 597  | 597  | 597  |      |
| 5°   | 667  | 598  | 530  | 598  | 667  | 67   |
| 15°  | 819  | 565  | 393  | 565  | 819  | 226  |
| 25°  | 683  | 505  | 316  | 505  | 683  | 309  |
| 35°  | 372  | 415  | 262  | 415  | 372  | 242  |
| 45°  | 224  | 311  | 215  | 311  | 224  | 176  |
| 55°  | 157  | 213  | 166  | 213  | 157  | 141  |
| 65°  | 97   | 127  | 112  | 127  | 97   | 96   |
| 75°  | 48   | 60   | 57   | 60   | 48   | 51   |
| 85°  | 12   | 12   | 9    | 12   | 12   | 15   |
| 90°  | 40   | 1    | 40   | 1    | 40   | 18   |
| 95°  | 73   | 61   | 73   | 61   | 73   | 81   |
| 105° | 260  | 252  | 260  | 252  | 260  | 274  |
| 115° | 469  | 469  | 469  | 469  | 469  | 463  |
| 125° | 685  | 683  | 685  | 683  | 685  | 611  |
| 135° | 894  | 883  | 894  | 883  | 894  | 688  |
| 145° | 1084 | 1072 | 1084 | 1072 | 1084 | 677  |
| 155° | 1235 | 1226 | 1235 | 1226 | 1235 | 568  |
| 165° | 1335 | 1334 | 1335 | 1334 | 1335 | 376  |
| 175° | 1383 | 1388 | 1383 | 1388 | 1383 | 131  |
| 180° | 1390 | 1390 | 1390 | 1390 | 1390 |      |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 |
| 2.5°   | 624.4 | 624.6 | 625.0 | 622.1 | 621.7 | 621.7 | 619.1 | 616.9 | 614.3 | 610.9 | 611.3 |
| 5°     | 666.6 | 669.1 | 670.0 | 667.3 | 663.2 | 662.8 | 658.8 | 652.5 | 646.4 | 641.7 | 638.2 |
| 7.5°   | 717.0 | 718.0 | 715.8 | 712.2 | 709.1 | 703.6 | 696.3 | 689.2 | 679.2 | 670.1 | 663.4 |
| 10°    | 755.2 | 756.6 | 752.7 | 747.4 | 743.1 | 736.6 | 726.1 | 715.3 | 702.3 | 689.6 | 679.5 |
| 12.5°  | 784.2 | 787.6 | 782.5 | 781.9 | 774.5 | 765.6 | 753.1 | 747.6 | 729.2 | 711.7 | 700.7 |
| 15°    | 819.4 | 819.2 | 819.7 | 815.3 | 809.8 | 808.4 | 795.2 | 780.6 | 754.8 | 744.4 | 726.5 |
| 17.5°  | 809.2 | 812.7 | 814.4 | 814.3 | 814.2 | 813.2 | 809.0 | 799.9 | 786.9 | 770.1 | 749.5 |
| 20°    | 785.1 | 789.6 | 790.3 | 795.6 | 798.6 | 802.4 | 804.1 | 801.5 | 793.6 | 779.5 | 761.6 |
| 22.5°  | 747.6 | 748.9 | 751.0 | 759.2 | 765.7 | 775.5 | 780.5 | 789.1 | 786.0 | 779.1 | 764.2 |
| 25°    | 682.7 | 680.4 | 688.4 | 692.6 | 707.5 | 723.1 | 734.4 | 746.7 | 757.7 | 764.4 | 760.0 |
| 27.5°  | 604.8 | 601.4 | 613.4 | 624.4 | 636.4 | 653.4 | 670.9 | 691.6 | 708.7 | 730.3 | 737.7 |
| 30°    | 539.1 | 541.2 | 552.6 | 564.3 | 582.7 | 606.5 | 626.3 | 648.9 | 673.6 | 697.6 | 714.4 |
| 32.5°  | 468.3 | 476.2 | 483.4 | 501.4 | 517.6 | 544.1 | 573.1 | 601.5 | 632.1 | 659.4 | 685.4 |
| 35°    | 371.6 | 380.8 | 390.9 | 403.9 | 426.7 | 453.0 | 481.3 | 519.6 | 561.4 | 598.7 | 629.4 |
| 37.5°  | 312.9 | 311.3 | 317.1 | 326.6 | 345.0 | 366.3 | 398.8 | 436.6 | 485.7 | 529.7 | 573.1 |
| 40°    | 277.6 | 276.7 | 280.7 | 289.5 | 303.5 | 319.1 | 347.6 | 380.8 | 426.5 | 480.2 | 531.8 |
| 42.5°  | 253.4 | 253.9 | 256.2 | 262.4 | 272.0 | 284.8 | 306.1 | 334.4 | 376.2 | 426.8 | 482.2 |
| 45°    | 223.9 | 225.5 | 228.0 | 231.1 | 236.5 | 247.1 | 259.0 | 279.2 | 312.3 | 354.5 | 409.0 |
| 47.5°  | 202.7 | 202.8 | 205.3 | 207.9 | 211.2 | 217.1 | 226.9 | 239.5 | 262.9 | 297.2 | 344.2 |
| 50°    | 191.4 | 189.8 | 191.6 | 193.6 | 197.0 | 201.2 | 207.6 | 219.5 | 235.1 | 262.9 | 302.2 |
| 52.5°  | 177.3 | 177.4 | 179.0 | 179.9 | 182.9 | 187.0 | 192.9 | 201.2 | 215.3 | 237.0 | 269.2 |
| 55°    | 157.3 | 158.5 | 159.5 | 160.8 | 163.6 | 166.5 | 171.2 | 176.6 | 187.6 | 203.9 | 227.8 |
| 57.5°  | 138.6 | 139.0 | 139.9 | 142.5 | 144.2 | 146.9 | 151.3 | 156.3 | 163.5 | 175.5 | 193.5 |
| 60°    | 125.7 | 125.7 | 127.5 | 128.7 | 131.0 | 133.7 | 137.1 | 142.0 | 148.5 | 158.2 | 172.8 |
| 62.5°  | 114.0 | 113.8 | 114.5 | 116.4 | 118.2 | 120.7 | 124.1 | 128.3 | 134.3 | 143.1 | 154.9 |
| 65°    | 96.8  | 96.3  | 97.8  | 98.2  | 100.0 | 102.5 | 105.3 | 109.7 | 114.5 | 120.9 | 131.5 |
| 67.5°  | 80.3  | 80.9  | 81.6  | 82.4  | 83.4  | 86.1  | 88.0  | 91.0  | 95.1  | 100.5 | 107.6 |
| 70°    | 71.1  | 71.1  | 71.1  | 71.8  | 73.2  | 74.5  | 76.3  | 78.9  | 82.8  | 87.4  | 93.8  |
| 72.5°  | 60.8  | 61.6  | 62.3  | 61.9  | 63.6  | 64.4  | 66.7  | 68.1  | 71.8  | 74.7  | 80.4  |
| 75°    | 47.8  | 47.8  | 47.8  | 48.9  | 49.6  | 50.2  | 51.6  | 53.0  | 54.8  | 58.5  | 61.5  |
| 77.5°  | 35.6  | 35.5  | 35.7  | 36.1  | 36.8  | 37.6  | 38.0  | 39.2  | 40.9  | 42.6  | 45.1  |
| 80°    | 27.6  | 28.0  | 28.2  | 28.7  | 28.7  | 29.1  | 29.4  | 31.0  | 32.1  | 33.2  | 34.8  |
| 82.5°  | 21.3  | 21.4  | 21.4  | 21.5  | 21.7  | 22.0  | 22.6  | 23.1  | 23.5  | 24.4  | 25.7  |
| 85°    | 12.4  | 12.1  | 12.1  | 12.6  | 12.4  | 12.4  | 12.8  | 13.3  | 13.3  | 13.5  | 14.2  |
| 87.5°  | 12.7  | 12.7  | 12.8  | 12.6  | 12.5  | 12.7  | 12.8  | 12.7  | 13.0  | 13.3  | 12.4  |
| 90°    | 39.9  | 39.6  | 39.4  | 39.1  | 38.9  | 39.0  | 39.5  | 40.0  | 40.5  | 41.1  | 35.3  |
| 92.5°  | 38.0  | 38.0  | 37.9  | 37.9  | 37.8  | 37.8  | 37.6  | 37.5  | 37.4  | 37.3  | 36.0  |
| 95°    | 72.7  | 73.2  | 73.8  | 74.3  | 74.8  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 74.5  |
| 97.5°  | 126.0 | 126.0 | 126.1 | 126.1 | 126.2 | 126.2 | 126.2 | 126.2 | 126.2 | 126.2 | 125.2 |
| 100°   | 160.7 | 161.0 | 161.3 | 161.5 | 161.8 | 161.9 | 161.9 | 161.9 | 161.9 | 161.9 | 161.1 |
| 102.5° | 200.2 | 200.4 | 200.7 | 200.9 | 201.2 | 201.2 | 201.0 | 200.8 | 200.6 | 200.4 | 199.3 |
| 105°   | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.1 | 259.6 | 259.1 | 258.6 | 258.0 | 257.5 |
| 107.5° | 317.2 | 318.4 | 319.6 | 320.8 | 321.9 | 322.4 | 322.2 | 322.0 | 321.8 | 321.6 | 321.6 |
| 110°   | 361.3 | 362.0 | 362.8 | 363.7 | 364.5 | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 403.5  | 404.1  | 404.7  | 405.3  | 405.9  | 406.5  | 407.1  | 407.7  | 408.3  | 408.9  | 409.1  |
| 115°   | 469.2  | 470.0  | 470.8  | 471.6  | 472.3  | 472.8  | 473.1  | 473.4  | 473.6  | 473.9  | 474.4  |
| 117.5° | 531.9  | 532.6  | 533.4  | 534.2  | 535.0  | 535.7  | 536.3  | 536.9  | 537.6  | 538.2  | 539.7  |
| 120°   | 575.9  | 576.7  | 577.5  | 578.3  | 579.1  | 579.5  | 579.5  | 579.5  | 579.5  | 579.5  | 581.6  |
| 122.5° | 619.1  | 619.8  | 620.3  | 620.9  | 621.5  | 622.0  | 622.7  | 623.3  | 623.9  | 624.5  | 626.0  |
| 125°   | 685.1  | 685.3  | 685.6  | 685.8  | 686.1  | 686.6  | 687.4  | 688.2  | 688.9  | 689.7  | 690.5  |
| 127.5° | 745.1  | 746.0  | 746.8  | 747.6  | 748.4  | 749.3  | 750.2  | 751.2  | 752.1  | 753.1  | 754.1  |
| 130°   | 788.3  | 789.3  | 790.3  | 791.4  | 792.4  | 793.2  | 793.8  | 794.3  | 794.8  | 795.4  | 795.9  |
| 132.5° | 829.6  | 830.4  | 831.2  | 832.1  | 832.9  | 833.9  | 835.1  | 836.2  | 837.4  | 838.5  | 838.4  |
| 135°   | 893.8  | 894.6  | 895.4  | 896.2  | 897.0  | 897.5  | 897.8  | 898.1  | 898.3  | 898.6  | 898.1  |
| 137.5° | 952.0  | 953.1  | 954.1  | 955.1  | 956.2  | 956.8  | 957.0  | 957.3  | 957.5  | 957.7  | 956.9  |
| 140°   | 992.4  | 993.4  | 994.5  | 995.5  | 996.5  | 997.0  | 997.0  | 997.0  | 997.0  | 997.0  | 995.8  |
| 142.5° | 1029.0 | 1030.1 | 1031.1 | 1032.1 | 1033.2 | 1033.6 | 1033.4 | 1033.2 | 1033.0 | 1032.8 | 1031.9 |
| 145°   | 1083.9 | 1084.9 | 1086.0 | 1087.0 | 1088.0 | 1088.4 | 1088.2 | 1087.9 | 1087.6 | 1087.4 | 1085.8 |
| 147.5° | 1133.0 | 1133.9 | 1134.9 | 1135.9 | 1136.9 | 1137.1 | 1136.5 | 1136.0 | 1135.4 | 1134.8 | 1133.8 |
| 150°   | 1164.9 | 1165.6 | 1166.4 | 1167.2 | 1168.0 | 1168.0 | 1167.2 | 1166.4 | 1165.6 | 1164.9 | 1163.8 |
| 152.5° | 1194.9 | 1195.9 | 1196.9 | 1197.8 | 1198.8 | 1198.8 | 1197.8 | 1196.9 | 1195.9 | 1194.9 | 1193.7 |
| 155°   | 1235.2 | 1236.0 | 1236.8 | 1237.6 | 1238.3 | 1238.1 | 1236.8 | 1235.5 | 1234.2 | 1232.8 | 1232.1 |
| 157.5° | 1269.9 | 1271.2 | 1272.4 | 1273.6 | 1275.0 | 1274.7 | 1272.9 | 1271.1 | 1269.4 | 1267.6 | 1267.1 |
| 160°   | 1291.5 | 1292.5 | 1293.6 | 1294.6 | 1295.7 | 1295.5 | 1293.8 | 1292.3 | 1290.7 | 1289.2 | 1288.9 |
| 162.5° | 1310.3 | 1311.5 | 1312.8 | 1314.0 | 1315.2 | 1315.0 | 1313.2 | 1311.5 | 1309.7 | 1308.0 | 1307.7 |
| 165°   | 1334.9 | 1336.3 | 1337.6 | 1338.9 | 1340.1 | 1339.9 | 1338.1 | 1336.3 | 1334.4 | 1332.6 | 1332.6 |
| 167.5° | 1355.1 | 1356.5 | 1357.8 | 1359.2 | 1360.5 | 1360.3 | 1358.5 | 1356.7 | 1354.8 | 1353.0 | 1353.0 |
| 170°   | 1365.4 | 1367.0 | 1368.6 | 1370.1 | 1371.7 | 1371.5 | 1369.7 | 1367.9 | 1366.0 | 1364.2 | 1364.5 |
| 172.5° | 1373.8 | 1375.4 | 1377.0 | 1378.6 | 1380.1 | 1380.0 | 1378.2 | 1376.3 | 1374.5 | 1372.7 | 1372.9 |
| 175°   | 1383.0 | 1384.6 | 1386.1 | 1387.8 | 1389.3 | 1389.2 | 1387.4 | 1385.5 | 1383.7 | 1381.8 | 1382.4 |
| 177.5° | 1387.3 | 1388.5 | 1389.8 | 1391.0 | 1392.2 | 1392.2 | 1391.0 | 1389.8 | 1388.5 | 1387.3 | 1387.7 |
| 180°   | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 |
| 2.5°   | 612.5 | 611.1 | 610.2 | 606.8 | 603.9 | 601.0 | 600.1 | 600.4 | 596.3 | 592.5 | 590.9 |
| 5°     | 636.4 | 631.8 | 627.4 | 621.3 | 613.9 | 605.8 | 601.8 | 598.5 | 590.5 | 581.8 | 576.7 |
| 7.5°   | 657.7 | 651.2 | 642.8 | 631.2 | 620.5 | 607.8 | 599.8 | 592.7 | 581.0 | 568.7 | 561.1 |
| 10°    | 670.8 | 661.9 | 651.1 | 636.8 | 623.8 | 608.3 | 597.6 | 586.8 | 573.1 | 558.4 | 549.2 |
| 12.5°  | 682.0 | 669.9 | 659.3 | 641.1 | 625.6 | 606.3 | 593.6 | 578.3 | 563.9 | 546.4 | 537.5 |
| 15°    | 708.6 | 686.4 | 666.2 | 645.5 | 626.5 | 599.7 | 585.4 | 565.0 | 546.0 | 524.4 | 514.1 |
| 17.5°  | 729.2 | 704.2 | 672.5 | 646.2 | 624.0 | 594.2 | 573.4 | 549.0 | 526.4 | 501.8 | 487.8 |
| 20°    | 740.9 | 712.3 | 678.1 | 646.9 | 620.4 | 586.3 | 563.6 | 538.7 | 512.3 | 484.5 | 469.4 |
| 22.5°  | 747.9 | 717.8 | 684.0 | 644.2 | 613.0 | 580.0 | 551.4 | 523.9 | 497.3 | 467.3 | 451.4 |
| 25°    | 750.1 | 722.7 | 686.8 | 641.9 | 603.8 | 566.4 | 532.0 | 505.3 | 473.0 | 445.0 | 421.9 |
| 27.5°  | 739.2 | 719.5 | 685.1 | 637.5 | 593.2 | 549.5 | 511.1 | 481.0 | 446.9 | 416.5 | 393.1 |
| 30°    | 725.8 | 714.4 | 680.9 | 633.2 | 584.7 | 537.8 | 495.5 | 461.3 | 427.4 | 396.7 | 372.7 |
| 32.5°  | 705.1 | 702.7 | 673.2 | 626.9 | 575.7 | 522.9 | 479.2 | 444.6 | 407.0 | 376.8 | 354.1 |
| 35°    | 664.4 | 675.4 | 656.8 | 613.0 | 558.9 | 501.7 | 454.4 | 415.0 | 376.0 | 347.1 | 325.8 |
| 37.5°  | 609.8 | 637.1 | 632.3 | 592.6 | 535.9 | 478.7 | 426.5 | 385.3 | 348.1 | 318.9 | 298.0 |
| 40°    | 572.1 | 607.0 | 612.1 | 576.9 | 519.9 | 460.9 | 405.6 | 364.6 | 328.3 | 301.6 | 280.5 |
| 42.5°  | 531.8 | 572.5 | 586.3 | 558.3 | 502.2 | 442.1 | 386.9 | 344.4 | 308.4 | 282.6 | 263.9 |
| 45°    | 464.1 | 518.0 | 543.0 | 526.9 | 472.8 | 411.3 | 354.5 | 311.3 | 278.7 | 254.4 | 239.9 |
| 47.5°  | 400.8 | 459.7 | 493.3 | 487.7 | 440.1 | 379.2 | 323.0 | 281.6 | 249.8 | 230.5 | 217.5 |
| 50°    | 356.1 | 416.6 | 457.2 | 459.1 | 416.6 | 356.3 | 299.8 | 260.8 | 231.7 | 213.6 | 203.0 |
| 52.5°  | 317.1 | 375.0 | 419.2 | 429.0 | 390.3 | 332.4 | 279.1 | 240.2 | 214.6 | 197.9 | 188.5 |
| 55°    | 266.3 | 315.2 | 364.3 | 382.2 | 351.2 | 296.2 | 246.8 | 212.7 | 188.5 | 177.1 | 168.8 |
| 57.5°  | 221.5 | 262.2 | 307.5 | 327.3 | 308.2 | 261.1 | 214.8 | 185.1 | 165.6 | 155.5 | 149.2 |
| 60°    | 197.7 | 229.8 | 270.2 | 293.9 | 277.3 | 235.4 | 195.0 | 166.7 | 150.7 | 141.8 | 135.8 |
| 62.5°  | 175.7 | 204.2 | 238.3 | 259.9 | 251.0 | 211.4 | 175.2 | 150.3 | 136.4 | 128.1 | 123.7 |
| 65°    | 145.0 | 167.4 | 193.9 | 213.8 | 207.8 | 177.8 | 148.1 | 126.8 | 115.8 | 109.2 | 105.7 |
| 67.5°  | 119.4 | 135.6 | 153.9 | 171.4 | 166.6 | 145.3 | 121.6 | 104.9 | 96.7  | 91.0  | 88.9  |
| 70°    | 103.2 | 115.6 | 131.9 | 145.9 | 142.0 | 124.6 | 105.7 | 91.5  | 84.4  | 79.6  | 77.6  |
| 72.5°  | 87.9  | 98.0  | 110.5 | 121.9 | 119.3 | 104.7 | 89.1  | 78.4  | 72.8  | 68.4  | 66.8  |
| 75°    | 66.3  | 74.1  | 81.7  | 89.3  | 88.6  | 77.4  | 68.2  | 59.9  | 55.5  | 52.1  | 51.4  |
| 77.5°  | 49.0  | 53.3  | 58.5  | 62.9  | 61.7  | 55.2  | 48.1  | 43.3  | 40.2  | 37.9  | 37.5  |
| 80°    | 37.4  | 39.9  | 43.6  | 46.8  | 45.2  | 42.4  | 36.7  | 33.2  | 31.0  | 28.7  | 27.8  |
| 82.5°  | 27.2  | 29.6  | 31.8  | 33.6  | 32.3  | 29.8  | 26.3  | 23.9  | 22.5  | 21.0  | 20.6  |
| 85°    | 14.2  | 15.6  | 16.6  | 17.0  | 16.6  | 14.9  | 13.3  | 12.4  | 11.2  | 10.5  | 10.3  |
| 87.5°  | 11.4  | 10.3  | 9.1   | 8.6   | 7.5   | 6.8   | 5.5   | 4.2   | 4.7   | 5.2   | 5.5   |
| 90°    | 29.6  | 23.8  | 18.1  | 13.7  | 10.6  | 7.5   | 4.3   | 1.2   | 4.3   | 7.5   | 10.6  |
| 92.5°  | 34.6  | 33.2  | 31.9  | 30.1  | 27.8  | 25.4  | 23.1  | 20.9  | 23.1  | 25.4  | 27.8  |
| 95°    | 74.0  | 73.5  | 73.0  | 71.4  | 68.8  | 66.2  | 63.6  | 61.0  | 63.6  | 66.2  | 68.8  |
| 97.5°  | 124.2 | 123.2 | 122.3 | 120.6 | 118.4 | 116.0 | 113.7 | 111.5 | 113.7 | 116.0 | 118.4 |
| 100°   | 160.3 | 159.6 | 158.8 | 157.3 | 155.2 | 153.2 | 151.1 | 149.0 | 151.1 | 153.2 | 155.2 |
| 102.5° | 198.3 | 197.4 | 196.4 | 195.1 | 193.4 | 191.8 | 190.1 | 188.4 | 190.1 | 191.8 | 193.4 |
| 105°   | 257.0 | 256.5 | 256.0 | 255.3 | 254.6 | 253.8 | 253.0 | 252.2 | 253.0 | 253.8 | 254.6 |
| 107.5° | 321.6 | 321.6 | 321.6 | 321.0 | 319.9 | 318.8 | 317.6 | 316.5 | 317.6 | 318.8 | 319.9 |
| 110°   | 364.9 | 364.9 | 364.9 | 364.1 | 362.4 | 360.9 | 359.3 | 357.8 | 359.3 | 360.9 | 362.4 |





TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 409.3  | 409.5  | 409.8  | 409.1  | 407.5  | 406.0  | 404.3  | 402.8  | 404.3  | 406.0  | 407.5  |
| 115°   | 474.9  | 475.4  | 475.9  | 475.4  | 473.9  | 472.3  | 470.8  | 469.2  | 470.8  | 472.3  | 473.9  |
| 117.5° | 541.1  | 542.6  | 544.0  | 543.7  | 541.6  | 539.6  | 537.5  | 535.3  | 537.5  | 539.6  | 541.6  |
| 120°   | 583.7  | 585.7  | 587.8  | 587.8  | 585.7  | 583.7  | 581.6  | 579.5  | 581.6  | 583.7  | 585.7  |
| 122.5° | 627.4  | 628.9  | 630.4  | 629.9  | 627.3  | 624.8  | 622.4  | 619.9  | 622.4  | 624.8  | 627.3  |
| 125°   | 691.4  | 692.1  | 692.9  | 692.1  | 689.7  | 687.4  | 685.1  | 682.7  | 685.1  | 687.4  | 689.7  |
| 127.5° | 755.0  | 755.9  | 756.9  | 755.8  | 752.9  | 749.9  | 746.9  | 744.0  | 746.9  | 749.9  | 752.9  |
| 130°   | 796.4  | 796.9  | 797.4  | 796.0  | 792.5  | 789.2  | 785.8  | 782.4  | 785.8  | 789.2  | 792.5  |
| 132.5° | 838.3  | 838.2  | 838.1  | 836.7  | 833.8  | 831.1  | 828.4  | 825.6  | 828.4  | 831.1  | 833.8  |
| 135°   | 897.5  | 897.0  | 896.5  | 894.7  | 891.9  | 889.1  | 886.2  | 883.3  | 886.2  | 889.1  | 891.9  |
| 137.5° | 956.3  | 955.6  | 954.9  | 953.4  | 951.1  | 948.8  | 946.4  | 944.0  | 946.4  | 948.8  | 951.1  |
| 140°   | 994.5  | 993.2  | 991.9  | 990.1  | 987.7  | 985.3  | 983.0  | 980.7  | 983.0  | 985.3  | 987.7  |
| 142.5° | 1031.0 | 1030.1 | 1029.2 | 1027.5 | 1025.2 | 1022.9 | 1020.6 | 1018.2 | 1020.6 | 1022.9 | 1025.2 |
| 145°   | 1084.3 | 1082.7 | 1081.2 | 1079.4 | 1077.6 | 1075.8 | 1074.0 | 1072.2 | 1074.0 | 1075.8 | 1077.6 |
| 147.5° | 1132.8 | 1131.7 | 1130.6 | 1129.0 | 1126.8 | 1124.6 | 1122.5 | 1120.2 | 1122.5 | 1124.6 | 1126.8 |
| 150°   | 1162.8 | 1161.7 | 1160.6 | 1159.3 | 1157.8 | 1156.2 | 1154.7 | 1153.1 | 1154.7 | 1156.2 | 1157.8 |
| 152.5° | 1192.3 | 1191.1 | 1189.8 | 1188.4 | 1186.9 | 1185.3 | 1183.8 | 1182.1 | 1183.8 | 1185.3 | 1186.9 |
| 155°   | 1231.3 | 1230.5 | 1229.7 | 1229.0 | 1228.2 | 1227.4 | 1226.6 | 1225.9 | 1226.6 | 1227.4 | 1228.2 |
| 157.5° | 1266.7 | 1266.2 | 1265.7 | 1265.3 | 1264.7 | 1264.1 | 1263.6 | 1263.1 | 1263.6 | 1264.1 | 1264.7 |
| 160°   | 1288.7 | 1288.4 | 1288.1 | 1287.8 | 1287.2 | 1286.7 | 1286.2 | 1285.7 | 1286.2 | 1286.7 | 1287.2 |
| 162.5° | 1307.4 | 1307.2 | 1306.9 | 1306.8 | 1306.6 | 1306.5 | 1306.4 | 1306.3 | 1306.4 | 1306.5 | 1306.6 |
| 165°   | 1332.6 | 1332.6 | 1332.6 | 1332.7 | 1332.9 | 1333.2 | 1333.5 | 1333.7 | 1333.5 | 1333.2 | 1332.9 |
| 167.5° | 1353.1 | 1353.1 | 1353.2 | 1353.6 | 1354.4 | 1355.1 | 1355.9 | 1356.8 | 1355.9 | 1355.1 | 1354.4 |
| 170°   | 1364.7 | 1365.0 | 1365.3 | 1365.8 | 1366.5 | 1367.4 | 1368.2 | 1369.0 | 1368.2 | 1367.4 | 1366.5 |
| 172.5° | 1373.2 | 1373.5 | 1373.7 | 1374.2 | 1375.0 | 1375.8 | 1376.6 | 1377.4 | 1376.6 | 1375.8 | 1375.0 |
| 175°   | 1382.9 | 1383.4 | 1383.9 | 1384.6 | 1385.3 | 1386.1 | 1386.9 | 1387.8 | 1386.9 | 1386.1 | 1385.3 |
| 177.5° | 1388.1 | 1388.5 | 1388.9 | 1389.5 | 1390.1 | 1390.7 | 1391.3 | 1391.9 | 1391.3 | 1390.7 | 1390.1 |
| 180°   | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 |
| 2.5°   | 589.1 | 587.9 | 584.1 | 582.1 | 578.8 | 575.6 | 573.6 | 574.5 | 575.2 | 574.9 | 574.3 |
| 5°     | 572.1 | 567.7 | 561.1 | 555.4 | 551.3 | 543.7 | 540.5 | 538.9 | 537.5 | 535.9 | 534.3 |
| 7.5°   | 552.0 | 545.1 | 535.6 | 527.5 | 519.8 | 510.3 | 504.9 | 501.8 | 498.5 | 494.8 | 491.6 |
| 10°    | 537.8 | 528.1 | 518.0 | 506.5 | 497.4 | 488.9 | 481.3 | 476.3 | 471.6 | 467.3 | 464.1 |
| 12.5°  | 522.7 | 511.6 | 499.1 | 483.4 | 473.3 | 461.1 | 460.0 | 451.1 | 443.9 | 441.2 | 437.5 |
| 15°    | 498.8 | 483.1 | 467.3 | 448.7 | 440.7 | 429.7 | 422.8 | 415.9 | 409.7 | 405.4 | 404.2 |
| 17.5°  | 471.5 | 451.3 | 435.6 | 422.2 | 409.1 | 397.8 | 391.4 | 386.0 | 380.8 | 375.1 | 374.3 |
| 20°    | 450.8 | 433.3 | 416.2 | 404.5 | 390.9 | 379.4 | 371.6 | 366.2 | 361.7 | 358.3 | 355.4 |
| 22.5°  | 431.1 | 412.0 | 396.3 | 383.5 | 370.2 | 360.9 | 354.8 | 349.4 | 345.8 | 342.0 | 339.2 |
| 25°    | 399.6 | 384.8 | 367.5 | 353.0 | 342.0 | 336.1 | 331.0 | 326.5 | 324.2 | 321.6 | 318.4 |
| 27.5°  | 372.0 | 355.5 | 339.4 | 328.2 | 318.5 | 313.3 | 309.6 | 306.5 | 304.4 | 302.9 | 301.0 |
| 30°    | 352.6 | 335.9 | 323.3 | 312.3 | 304.2 | 298.9 | 296.6 | 294.8 | 292.3 | 291.3 | 290.4 |
| 32.5°  | 333.9 | 318.8 | 308.0 | 298.4 | 290.8 | 287.3 | 285.3 | 283.6 | 281.7 | 280.7 | 278.8 |
| 35°    | 307.4 | 294.8 | 284.3 | 278.9 | 272.8 | 269.7 | 268.2 | 265.9 | 264.1 | 263.2 | 262.9 |
| 37.5°  | 282.5 | 271.6 | 264.6 | 257.8 | 255.2 | 253.4 | 251.2 | 249.6 | 249.0 | 248.9 | 248.6 |
| 40°    | 266.3 | 257.4 | 251.2 | 245.7 | 244.6 | 241.8 | 239.9 | 238.6 | 238.6 | 238.8 | 238.6 |
| 42.5°  | 251.7 | 243.6 | 238.1 | 233.4 | 232.1 | 230.5 | 228.5 | 228.5 | 228.8 | 229.6 | 228.8 |
| 45°    | 229.4 | 223.7 | 219.7 | 217.5 | 215.0 | 213.4 | 213.1 | 213.8 | 214.0 | 214.3 | 215.0 |
| 47.5°  | 208.9 | 205.1 | 201.6 | 199.0 | 197.9 | 197.7 | 197.4 | 198.6 | 199.8 | 200.2 | 201.2 |
| 50°    | 196.8 | 192.5 | 189.5 | 187.8 | 186.9 | 186.5 | 186.9 | 188.3 | 189.2 | 190.4 | 191.1 |
| 52.5°  | 183.3 | 180.2 | 178.1 | 176.8 | 176.5 | 176.8 | 176.8 | 178.4 | 179.9 | 180.4 | 180.7 |
| 55°    | 164.5 | 162.2 | 161.8 | 159.7 | 160.6 | 160.4 | 161.5 | 162.4 | 163.8 | 165.2 | 165.4 |
| 57.5°  | 145.7 | 143.9 | 142.7 | 142.9 | 143.2 | 144.2 | 145.1 | 146.7 | 148.1 | 149.7 | 149.8 |
| 60°    | 133.3 | 132.4 | 131.7 | 131.7 | 132.1 | 133.5 | 134.6 | 136.2 | 137.1 | 138.1 | 138.8 |
| 62.5°  | 121.9 | 121.0 | 120.3 | 120.7 | 121.9 | 122.7 | 124.0 | 124.9 | 125.8 | 126.7 | 127.0 |
| 65°    | 103.9 | 103.5 | 104.1 | 104.6 | 104.8 | 105.9 | 107.6 | 108.3 | 109.2 | 109.7 | 111.3 |
| 67.5°  | 87.4  | 87.5  | 87.4  | 88.0  | 89.4  | 89.6  | 91.1  | 92.7  | 92.9  | 93.8  | 94.8  |
| 70°    | 76.1  | 76.6  | 77.1  | 77.6  | 78.7  | 79.2  | 80.3  | 81.0  | 81.9  | 82.6  | 83.3  |
| 72.5°  | 65.8  | 65.9  | 66.4  | 66.3  | 67.4  | 68.3  | 69.3  | 70.0  | 70.9  | 71.8  | 72.4  |
| 75°    | 50.7  | 50.7  | 51.2  | 51.4  | 52.5  | 53.7  | 53.4  | 53.9  | 54.8  | 55.7  | 56.2  |
| 77.5°  | 37.1  | 36.6  | 37.1  | 37.3  | 37.7  | 38.6  | 38.8  | 39.4  | 40.5  | 40.2  | 40.7  |
| 80°    | 28.2  | 27.6  | 28.2  | 28.5  | 28.5  | 29.6  | 29.6  | 30.1  | 30.7  | 30.1  | 30.7  |
| 82.5°  | 20.1  | 19.8  | 20.3  | 20.4  | 20.7  | 20.8  | 21.1  | 21.2  | 21.9  | 21.6  | 21.9  |
| 85°    | 10.1  | 9.9   | 10.1  | 9.9   | 10.1  | 10.3  | 10.3  | 10.1  | 10.1  | 10.5  | 9.9   |
| 87.5°  | 5.9   | 6.6   | 7.5   | 8.7   | 9.6   | 10.6  | 10.3  | 10.2  | 10.1  | 9.6   | 9.6   |
| 90°    | 13.7  | 18.1  | 23.8  | 29.6  | 35.3  | 41.1  | 40.5  | 40.0  | 39.5  | 39.0  | 38.9  |
| 92.5°  | 30.1  | 31.9  | 33.2  | 34.6  | 36.0  | 37.3  | 37.4  | 37.5  | 37.6  | 37.8  | 37.8  |
| 95°    | 71.4  | 73.0  | 73.5  | 74.0  | 74.5  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 74.8  |
| 97.5°  | 120.6 | 122.3 | 123.2 | 124.2 | 125.2 | 126.2 | 126.2 | 126.2 | 126.2 | 126.2 | 126.2 |
| 100°   | 157.3 | 158.8 | 159.6 | 160.3 | 161.1 | 161.9 | 161.9 | 161.9 | 161.9 | 161.9 | 161.8 |
| 102.5° | 195.1 | 196.4 | 197.4 | 198.3 | 199.3 | 200.4 | 200.6 | 200.8 | 201.0 | 201.2 | 201.2 |
| 105°   | 255.3 | 256.0 | 256.5 | 257.0 | 257.5 | 258.0 | 258.6 | 259.1 | 259.6 | 260.1 | 260.4 |
| 107.5° | 321.0 | 321.6 | 321.6 | 321.6 | 321.6 | 321.6 | 321.8 | 322.0 | 322.2 | 322.4 | 321.9 |
| 110°   | 364.1 | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 | 364.5 |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 409.1  | 409.8  | 409.5  | 409.3  | 409.1  | 408.9  | 408.3  | 407.7  | 407.1  | 406.5  | 405.9  |
| 115°   | 475.4  | 475.9  | 475.4  | 474.9  | 474.4  | 473.9  | 473.6  | 473.4  | 473.1  | 472.8  | 472.3  |
| 117.5° | 543.7  | 544.0  | 542.6  | 541.1  | 539.7  | 538.2  | 537.6  | 536.9  | 536.3  | 535.7  | 535.0  |
| 120°   | 587.8  | 587.8  | 585.7  | 583.7  | 581.6  | 579.5  | 579.5  | 579.5  | 579.5  | 579.5  | 579.1  |
| 122.5° | 629.9  | 630.4  | 628.9  | 627.4  | 626.0  | 624.5  | 623.9  | 623.3  | 622.7  | 622.0  | 621.5  |
| 125°   | 692.1  | 692.9  | 692.1  | 691.4  | 690.5  | 689.7  | 688.9  | 688.2  | 687.4  | 686.6  | 686.1  |
| 127.5° | 755.8  | 756.9  | 755.9  | 755.0  | 754.1  | 753.1  | 752.1  | 751.2  | 750.2  | 749.3  | 748.4  |
| 130°   | 796.0  | 797.4  | 796.9  | 796.4  | 795.9  | 795.4  | 794.8  | 794.3  | 793.8  | 793.2  | 792.4  |
| 132.5° | 836.7  | 838.1  | 838.2  | 838.3  | 838.4  | 838.5  | 837.4  | 836.2  | 835.1  | 833.9  | 832.9  |
| 135°   | 894.7  | 896.5  | 897.0  | 897.5  | 898.1  | 898.6  | 898.3  | 898.1  | 897.8  | 897.5  | 897.0  |
| 137.5° | 953.4  | 954.9  | 955.6  | 956.3  | 956.9  | 957.7  | 957.5  | 957.3  | 957.0  | 956.8  | 956.2  |
| 140°   | 990.1  | 991.9  | 993.2  | 994.5  | 995.8  | 997.0  | 997.0  | 997.0  | 997.0  | 997.0  | 996.5  |
| 142.5° | 1027.5 | 1029.2 | 1030.1 | 1031.0 | 1031.9 | 1032.8 | 1033.0 | 1033.2 | 1033.4 | 1033.6 | 1033.2 |
| 145°   | 1079.4 | 1081.2 | 1082.7 | 1084.3 | 1085.8 | 1087.4 | 1087.6 | 1087.9 | 1088.2 | 1088.4 | 1088.0 |
| 147.5° | 1129.0 | 1130.6 | 1131.7 | 1132.8 | 1133.8 | 1134.8 | 1135.4 | 1136.0 | 1136.5 | 1137.1 | 1136.9 |
| 150°   | 1159.3 | 1160.6 | 1161.7 | 1162.8 | 1163.8 | 1164.9 | 1165.6 | 1166.4 | 1167.2 | 1168.0 | 1168.0 |
| 152.5° | 1188.4 | 1189.8 | 1191.1 | 1192.3 | 1193.7 | 1194.9 | 1195.9 | 1196.9 | 1197.8 | 1198.8 | 1198.8 |
| 155°   | 1229.0 | 1229.7 | 1230.5 | 1231.3 | 1232.1 | 1232.8 | 1234.2 | 1235.5 | 1236.8 | 1238.1 | 1238.3 |
| 157.5° | 1265.3 | 1265.7 | 1266.2 | 1266.7 | 1267.1 | 1267.6 | 1269.4 | 1271.1 | 1272.9 | 1274.7 | 1275.0 |
| 160°   | 1287.8 | 1288.1 | 1288.4 | 1288.7 | 1288.9 | 1289.2 | 1290.7 | 1292.3 | 1293.8 | 1295.5 | 1295.7 |
| 162.5° | 1306.8 | 1306.9 | 1307.2 | 1307.4 | 1307.7 | 1308.0 | 1309.7 | 1311.5 | 1313.2 | 1315.0 | 1315.2 |
| 165°   | 1332.7 | 1332.6 | 1332.6 | 1332.6 | 1332.6 | 1332.6 | 1334.4 | 1336.3 | 1338.1 | 1339.9 | 1340.1 |
| 167.5° | 1353.6 | 1353.2 | 1353.1 | 1353.1 | 1353.0 | 1353.0 | 1354.8 | 1356.7 | 1358.5 | 1360.3 | 1360.5 |
| 170°   | 1365.8 | 1365.3 | 1365.0 | 1364.7 | 1364.5 | 1364.2 | 1366.0 | 1367.9 | 1369.7 | 1371.5 | 1371.7 |
| 172.5° | 1374.2 | 1373.7 | 1373.5 | 1373.2 | 1372.9 | 1372.7 | 1374.5 | 1376.3 | 1378.2 | 1380.0 | 1380.1 |
| 175°   | 1384.6 | 1383.9 | 1383.4 | 1382.9 | 1382.4 | 1381.8 | 1383.7 | 1385.5 | 1387.4 | 1389.2 | 1389.3 |
| 177.5° | 1389.5 | 1388.9 | 1388.5 | 1388.1 | 1387.7 | 1387.3 | 1388.5 | 1389.8 | 1391.0 | 1392.2 | 1392.2 |
| 180°   | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 |
| 2.5°   | 572.5 | 572.1 | 572.1 | 570.5 | 572.1 | 572.1 | 572.5 | 574.3 | 574.9 | 575.2 | 574.5 |
| 5°     | 531.1 | 530.4 | 529.3 | 530.4 | 529.3 | 530.4 | 531.1 | 534.3 | 535.9 | 537.5 | 538.9 |
| 7.5°   | 490.1 | 487.4 | 487.0 | 484.2 | 487.0 | 487.4 | 490.1 | 491.6 | 494.8 | 498.5 | 501.8 |
| 10°    | 460.2 | 458.4 | 458.1 | 453.7 | 458.1 | 458.4 | 460.2 | 464.1 | 467.3 | 471.6 | 476.3 |
| 12.5°  | 437.5 | 433.0 | 433.9 | 431.4 | 433.9 | 433.0 | 437.5 | 437.5 | 441.2 | 443.9 | 451.1 |
| 15°    | 398.0 | 398.0 | 397.1 | 393.2 | 397.1 | 398.0 | 398.0 | 404.2 | 405.4 | 409.7 | 415.9 |
| 17.5°  | 369.7 | 369.2 | 367.1 | 368.2 | 367.1 | 369.2 | 369.7 | 374.3 | 375.1 | 380.8 | 386.0 |
| 20°    | 352.8 | 351.4 | 348.7 | 348.7 | 348.7 | 351.4 | 352.8 | 355.4 | 358.3 | 361.7 | 366.2 |
| 22.5°  | 336.9 | 336.8 | 333.9 | 334.8 | 333.9 | 336.8 | 336.9 | 339.2 | 342.0 | 345.8 | 349.4 |
| 25°    | 318.2 | 316.4 | 315.0 | 315.7 | 315.0 | 316.4 | 318.2 | 318.4 | 321.6 | 324.2 | 326.5 |
| 27.5°  | 300.4 | 299.4 | 299.3 | 297.5 | 299.3 | 299.4 | 300.4 | 301.0 | 302.9 | 304.4 | 306.5 |
| 30°    | 290.2 | 287.9 | 288.3 | 287.2 | 288.3 | 287.9 | 290.2 | 290.4 | 291.3 | 292.3 | 294.8 |
| 32.5°  | 278.4 | 277.6 | 277.2 | 276.2 | 277.2 | 277.6 | 278.4 | 278.8 | 280.7 | 281.7 | 283.6 |
| 35°    | 262.5 | 262.7 | 261.6 | 262.0 | 261.6 | 262.7 | 262.5 | 262.9 | 263.2 | 264.1 | 265.9 |
| 37.5°  | 248.4 | 249.1 | 248.6 | 248.7 | 248.6 | 249.1 | 248.4 | 248.6 | 248.9 | 249.0 | 249.6 |
| 40°    | 239.2 | 239.2 | 239.2 | 239.9 | 239.2 | 239.2 | 239.2 | 238.6 | 238.8 | 238.6 | 238.6 |
| 42.5°  | 230.5 | 230.0 | 229.7 | 229.6 | 229.7 | 230.0 | 230.5 | 228.8 | 229.6 | 228.8 | 228.5 |
| 45°    | 215.4 | 216.1 | 216.3 | 215.2 | 216.3 | 216.1 | 215.4 | 215.0 | 214.3 | 214.0 | 213.8 |
| 47.5°  | 201.8 | 201.9 | 201.8 | 202.8 | 201.8 | 201.9 | 201.8 | 201.2 | 200.2 | 199.8 | 198.6 |
| 50°    | 192.3 | 191.8 | 192.3 | 191.8 | 192.3 | 191.8 | 192.3 | 191.1 | 190.4 | 189.2 | 188.3 |
| 52.5°  | 182.2 | 182.3 | 182.0 | 181.9 | 182.0 | 182.3 | 182.2 | 180.7 | 180.4 | 179.9 | 178.4 |
| 55°    | 166.3 | 166.7 | 166.5 | 166.5 | 166.5 | 166.7 | 166.3 | 165.4 | 165.2 | 163.8 | 162.4 |
| 57.5°  | 150.0 | 150.4 | 150.7 | 149.7 | 150.7 | 150.4 | 150.0 | 149.8 | 149.7 | 148.1 | 146.7 |
| 60°    | 138.6 | 139.7 | 139.5 | 139.1 | 139.5 | 139.7 | 138.6 | 138.8 | 138.1 | 137.1 | 136.2 |
| 62.5°  | 128.1 | 128.6 | 128.5 | 128.4 | 128.5 | 128.6 | 128.1 | 127.0 | 126.7 | 125.8 | 124.9 |
| 65°    | 112.0 | 112.4 | 111.7 | 112.4 | 111.7 | 112.4 | 112.0 | 111.3 | 109.7 | 109.2 | 108.3 |
| 67.5°  | 94.5  | 94.7  | 95.2  | 95.5  | 95.2  | 94.7  | 94.5  | 94.8  | 93.8  | 92.9  | 92.7  |
| 70°    | 83.7  | 83.5  | 84.2  | 84.9  | 84.2  | 83.5  | 83.7  | 83.3  | 82.6  | 81.9  | 81.0  |
| 72.5°  | 72.3  | 72.8  | 72.6  | 73.1  | 72.6  | 72.8  | 72.3  | 72.4  | 71.8  | 70.9  | 70.0  |
| 75°    | 55.7  | 56.5  | 56.2  | 56.9  | 56.2  | 56.5  | 55.7  | 56.2  | 55.7  | 54.8  | 53.9  |
| 77.5°  | 40.3  | 40.4  | 40.3  | 40.7  | 40.3  | 40.4  | 40.3  | 40.7  | 40.2  | 40.5  | 39.4  |
| 80°    | 30.7  | 30.3  | 29.8  | 30.7  | 29.8  | 30.3  | 30.7  | 30.7  | 30.1  | 30.7  | 30.1  |
| 82.5°  | 21.4  | 21.6  | 21.2  | 21.2  | 21.2  | 21.6  | 21.4  | 21.9  | 21.6  | 21.9  | 21.2  |
| 85°    | 9.9   | 9.6   | 9.2   | 9.2   | 9.2   | 9.6   | 9.9   | 9.9   | 10.5  | 10.1  | 10.1  |
| 87.5°  | 9.7   | 9.5   | 9.6   | 9.5   | 9.6   | 9.5   | 9.7   | 9.6   | 9.6   | 10.1  | 10.2  |
| 90°    | 39.1  | 39.4  | 39.6  | 39.9  | 39.6  | 39.4  | 39.1  | 38.9  | 39.0  | 39.5  | 40.0  |
| 92.5°  | 37.9  | 37.9  | 38.0  | 38.0  | 38.0  | 37.9  | 37.9  | 37.8  | 37.8  | 37.6  | 37.5  |
| 95°    | 74.3  | 73.8  | 73.2  | 72.7  | 73.2  | 73.8  | 74.3  | 74.8  | 75.0  | 75.0  | 75.0  |
| 97.5°  | 126.1 | 126.1 | 126.0 | 126.0 | 126.0 | 126.1 | 126.1 | 126.2 | 126.2 | 126.2 | 126.2 |
| 100°   | 161.5 | 161.3 | 161.0 | 160.7 | 161.0 | 161.3 | 161.5 | 161.8 | 161.9 | 161.9 | 161.9 |
| 102.5° | 200.9 | 200.7 | 200.4 | 200.2 | 200.4 | 200.7 | 200.9 | 201.2 | 201.2 | 201.0 | 200.8 |
| 105°   | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.1 | 259.6 | 259.1 |
| 107.5° | 320.8 | 319.6 | 318.4 | 317.2 | 318.4 | 319.6 | 320.8 | 321.9 | 322.4 | 322.2 | 322.0 |
| 110°   | 363.7 | 362.8 | 362.0 | 361.3 | 362.0 | 362.8 | 363.7 | 364.5 | 364.9 | 364.9 | 364.9 |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 405.3  | 404.7  | 404.1  | 403.5  | 404.1  | 404.7  | 405.3  | 405.9  | 406.5  | 407.1  | 407.7  |
| 115°   | 471.6  | 470.8  | 470.0  | 469.2  | 470.0  | 470.8  | 471.6  | 472.3  | 472.8  | 473.1  | 473.4  |
| 117.5° | 534.2  | 533.4  | 532.6  | 531.9  | 532.6  | 533.4  | 534.2  | 535.0  | 535.7  | 536.3  | 536.9  |
| 120°   | 578.3  | 577.5  | 576.7  | 575.9  | 576.7  | 577.5  | 578.3  | 579.1  | 579.5  | 579.5  | 579.5  |
| 122.5° | 620.9  | 620.3  | 619.8  | 619.1  | 619.8  | 620.3  | 620.9  | 621.5  | 622.0  | 622.7  | 623.3  |
| 125°   | 685.8  | 685.6  | 685.3  | 685.1  | 685.3  | 685.6  | 685.8  | 686.1  | 686.6  | 687.4  | 688.2  |
| 127.5° | 747.6  | 746.8  | 746.0  | 745.1  | 746.0  | 746.8  | 747.6  | 748.4  | 749.3  | 750.2  | 751.2  |
| 130°   | 791.4  | 790.3  | 789.3  | 788.3  | 789.3  | 790.3  | 791.4  | 792.4  | 793.2  | 793.8  | 794.3  |
| 132.5° | 832.1  | 831.2  | 830.4  | 829.6  | 830.4  | 831.2  | 832.1  | 832.9  | 833.9  | 835.1  | 836.2  |
| 135°   | 896.2  | 895.4  | 894.6  | 893.8  | 894.6  | 895.4  | 896.2  | 897.0  | 897.5  | 897.8  | 898.1  |
| 137.5° | 955.1  | 954.1  | 953.1  | 952.0  | 953.1  | 954.1  | 955.1  | 956.2  | 956.8  | 957.0  | 957.3  |
| 140°   | 995.5  | 994.5  | 993.4  | 992.4  | 993.4  | 994.5  | 995.5  | 996.5  | 997.0  | 997.0  | 997.0  |
| 142.5° | 1032.1 | 1031.1 | 1030.1 | 1029.0 | 1030.1 | 1031.1 | 1032.1 | 1033.2 | 1033.6 | 1033.4 | 1033.2 |
| 145°   | 1087.0 | 1086.0 | 1084.9 | 1083.9 | 1084.9 | 1086.0 | 1087.0 | 1088.0 | 1088.4 | 1088.2 | 1087.9 |
| 147.5° | 1135.9 | 1134.9 | 1133.9 | 1133.0 | 1133.9 | 1134.9 | 1135.9 | 1136.9 | 1137.1 | 1136.5 | 1136.0 |
| 150°   | 1167.2 | 1166.4 | 1165.6 | 1164.9 | 1165.6 | 1166.4 | 1167.2 | 1168.0 | 1168.0 | 1167.2 | 1166.4 |
| 152.5° | 1197.8 | 1196.9 | 1195.9 | 1194.9 | 1195.9 | 1196.9 | 1197.8 | 1198.8 | 1198.8 | 1197.8 | 1196.9 |
| 155°   | 1237.6 | 1236.8 | 1236.0 | 1235.2 | 1236.0 | 1236.8 | 1237.6 | 1238.3 | 1238.1 | 1236.8 | 1235.5 |
| 157.5° | 1273.6 | 1272.4 | 1271.2 | 1269.9 | 1271.2 | 1272.4 | 1273.6 | 1275.0 | 1274.7 | 1272.9 | 1271.1 |
| 160°   | 1294.6 | 1293.6 | 1292.5 | 1291.5 | 1292.5 | 1293.6 | 1294.6 | 1295.7 | 1295.5 | 1293.8 | 1292.3 |
| 162.5° | 1314.0 | 1312.8 | 1311.5 | 1310.3 | 1311.5 | 1312.8 | 1314.0 | 1315.2 | 1315.0 | 1313.2 | 1311.5 |
| 165°   | 1338.9 | 1337.6 | 1336.3 | 1334.9 | 1336.3 | 1337.6 | 1338.9 | 1340.1 | 1339.9 | 1338.1 | 1336.3 |
| 167.5° | 1359.2 | 1357.8 | 1356.5 | 1355.1 | 1356.5 | 1357.8 | 1359.2 | 1360.5 | 1360.3 | 1358.5 | 1356.7 |
| 170°   | 1370.1 | 1368.6 | 1367.0 | 1365.4 | 1367.0 | 1368.6 | 1370.1 | 1371.7 | 1371.5 | 1369.7 | 1367.9 |
| 172.5° | 1378.6 | 1377.0 | 1375.4 | 1373.8 | 1375.4 | 1377.0 | 1378.6 | 1380.1 | 1380.0 | 1378.2 | 1376.3 |
| 175°   | 1387.8 | 1386.1 | 1384.6 | 1383.0 | 1384.6 | 1386.1 | 1387.8 | 1389.3 | 1389.2 | 1387.4 | 1385.5 |
| 177.5° | 1391.0 | 1389.8 | 1388.5 | 1387.3 | 1388.5 | 1389.8 | 1391.0 | 1392.2 | 1392.2 | 1391.0 | 1389.8 |
| 180°   | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 |
| 2.5°   | 573.6 | 575.6 | 578.8 | 582.1 | 584.1 | 587.9 | 589.1 | 590.9 | 592.5 | 596.3 | 600.4 |
| 5°     | 540.5 | 543.7 | 551.3 | 555.4 | 561.1 | 567.7 | 572.1 | 576.7 | 581.8 | 590.5 | 598.5 |
| 7.5°   | 504.9 | 510.3 | 519.8 | 527.5 | 535.6 | 545.1 | 552.0 | 561.1 | 568.7 | 581.0 | 592.7 |
| 10°    | 481.3 | 488.9 | 497.4 | 506.5 | 518.0 | 528.1 | 537.8 | 549.2 | 558.4 | 573.1 | 586.8 |
| 12.5°  | 460.0 | 461.1 | 473.3 | 483.4 | 499.1 | 511.6 | 522.7 | 537.5 | 546.4 | 563.9 | 578.3 |
| 15°    | 422.8 | 429.7 | 440.7 | 448.7 | 467.3 | 483.1 | 498.8 | 514.1 | 524.4 | 546.0 | 565.0 |
| 17.5°  | 391.4 | 397.8 | 409.1 | 422.2 | 435.6 | 451.3 | 471.5 | 487.8 | 501.8 | 526.4 | 549.0 |
| 20°    | 371.6 | 379.4 | 390.9 | 404.5 | 416.2 | 433.3 | 450.8 | 469.4 | 484.5 | 512.3 | 538.7 |
| 22.5°  | 354.8 | 360.9 | 370.2 | 383.5 | 396.3 | 412.0 | 431.1 | 451.4 | 467.3 | 497.3 | 523.9 |
| 25°    | 331.0 | 336.1 | 342.0 | 353.0 | 367.5 | 384.8 | 399.6 | 421.9 | 445.0 | 473.0 | 505.3 |
| 27.5°  | 309.6 | 313.3 | 318.5 | 328.2 | 339.4 | 355.5 | 372.0 | 393.1 | 416.5 | 446.9 | 481.0 |
| 30°    | 296.6 | 298.9 | 304.2 | 312.3 | 323.3 | 335.9 | 352.6 | 372.7 | 396.7 | 427.4 | 461.3 |
| 32.5°  | 285.3 | 287.3 | 290.8 | 298.4 | 308.0 | 318.8 | 333.9 | 354.1 | 376.8 | 407.0 | 444.6 |
| 35°    | 268.2 | 269.7 | 272.8 | 278.9 | 284.3 | 294.8 | 307.4 | 325.8 | 347.1 | 376.0 | 415.0 |
| 37.5°  | 251.2 | 253.4 | 255.2 | 257.8 | 264.6 | 271.6 | 282.5 | 298.0 | 318.9 | 348.1 | 385.3 |
| 40°    | 239.9 | 241.8 | 244.6 | 245.7 | 251.2 | 257.4 | 266.3 | 280.5 | 301.6 | 328.3 | 364.6 |
| 42.5°  | 228.5 | 230.5 | 232.1 | 233.4 | 238.1 | 243.6 | 251.7 | 263.9 | 282.6 | 308.4 | 344.4 |
| 45°    | 213.1 | 213.4 | 215.0 | 217.5 | 219.7 | 223.7 | 229.4 | 239.9 | 254.4 | 278.7 | 311.3 |
| 47.5°  | 197.4 | 197.7 | 197.9 | 199.0 | 201.6 | 205.1 | 208.9 | 217.5 | 230.5 | 249.8 | 281.6 |
| 50°    | 186.9 | 186.5 | 186.9 | 187.8 | 189.5 | 192.5 | 196.8 | 203.0 | 213.6 | 231.7 | 260.8 |
| 52.5°  | 176.8 | 176.8 | 176.5 | 176.8 | 178.1 | 180.2 | 183.3 | 188.5 | 197.9 | 214.6 | 240.2 |
| 55°    | 161.5 | 160.4 | 160.6 | 159.7 | 161.8 | 162.2 | 164.5 | 168.8 | 177.1 | 188.5 | 212.7 |
| 57.5°  | 145.1 | 144.2 | 143.2 | 142.9 | 142.7 | 143.9 | 145.7 | 149.2 | 155.5 | 165.6 | 185.1 |
| 60°    | 134.6 | 133.5 | 132.1 | 131.7 | 131.7 | 132.4 | 133.3 | 135.8 | 141.8 | 150.7 | 166.7 |
| 62.5°  | 124.0 | 122.7 | 121.9 | 120.7 | 120.3 | 121.0 | 121.9 | 123.7 | 128.1 | 136.4 | 150.3 |
| 65°    | 107.6 | 105.9 | 104.8 | 104.6 | 104.1 | 103.5 | 103.9 | 105.7 | 109.2 | 115.8 | 126.8 |
| 67.5°  | 91.1  | 89.6  | 89.4  | 88.0  | 87.4  | 87.5  | 87.4  | 88.9  | 91.0  | 96.7  | 104.9 |
| 70°    | 80.3  | 79.2  | 78.7  | 77.6  | 77.1  | 76.6  | 76.1  | 77.6  | 79.6  | 84.4  | 91.5  |
| 72.5°  | 69.3  | 68.3  | 67.4  | 66.3  | 66.4  | 65.9  | 65.8  | 66.8  | 68.4  | 72.8  | 78.4  |
| 75°    | 53.4  | 53.7  | 52.5  | 51.4  | 51.2  | 50.7  | 50.7  | 51.4  | 52.1  | 55.5  | 59.9  |
| 77.5°  | 38.8  | 38.6  | 37.7  | 37.3  | 37.1  | 36.6  | 37.1  | 37.5  | 37.9  | 40.2  | 43.3  |
| 80°    | 29.6  | 29.6  | 28.5  | 28.5  | 28.2  | 27.6  | 28.2  | 27.8  | 28.7  | 31.0  | 33.2  |
| 82.5°  | 21.1  | 20.8  | 20.7  | 20.4  | 20.3  | 19.8  | 20.1  | 20.6  | 21.0  | 22.5  | 23.9  |
| 85°    | 10.3  | 10.3  | 10.1  | 9.9   | 10.1  | 9.9   | 10.1  | 10.3  | 10.5  | 11.2  | 12.4  |
| 87.5°  | 10.3  | 10.6  | 9.6   | 8.7   | 7.5   | 6.6   | 5.9   | 5.5   | 5.2   | 4.7   | 4.2   |
| 90°    | 40.5  | 41.1  | 35.3  | 29.6  | 23.8  | 18.1  | 13.7  | 10.6  | 7.5   | 4.3   | 1.2   |
| 92.5°  | 37.4  | 37.3  | 36.0  | 34.6  | 33.2  | 31.9  | 30.1  | 27.8  | 25.4  | 23.1  | 20.9  |
| 95°    | 75.0  | 75.0  | 74.5  | 74.0  | 73.5  | 73.0  | 71.4  | 68.8  | 66.2  | 63.6  | 61.0  |
| 97.5°  | 126.2 | 126.2 | 125.2 | 124.2 | 123.2 | 122.3 | 120.6 | 118.4 | 116.0 | 113.7 | 111.5 |
| 100°   | 161.9 | 161.9 | 161.1 | 160.3 | 159.6 | 158.8 | 157.3 | 155.2 | 153.2 | 151.1 | 149.0 |
| 102.5° | 200.6 | 200.4 | 199.3 | 198.3 | 197.4 | 196.4 | 195.1 | 193.4 | 191.8 | 190.1 | 188.4 |
| 105°   | 258.6 | 258.0 | 257.5 | 257.0 | 256.5 | 256.0 | 255.3 | 254.6 | 253.8 | 253.0 | 252.2 |
| 107.5° | 321.8 | 321.6 | 321.6 | 321.6 | 321.6 | 321.6 | 321.0 | 319.9 | 318.8 | 317.6 | 316.5 |
| 110°   | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 | 364.1 | 362.4 | 360.9 | 359.3 | 357.8 |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 408.3  | 408.9  | 409.1  | 409.3  | 409.5  | 409.8  | 409.1  | 407.5  | 406.0  | 404.3  | 402.8  |
| 115°   | 473.6  | 473.9  | 474.4  | 474.9  | 475.4  | 475.9  | 475.4  | 473.9  | 472.3  | 470.8  | 469.2  |
| 117.5° | 537.6  | 538.2  | 539.7  | 541.1  | 542.6  | 544.0  | 543.7  | 541.6  | 539.6  | 537.5  | 535.3  |
| 120°   | 579.5  | 579.5  | 581.6  | 583.7  | 585.7  | 587.8  | 587.8  | 585.7  | 583.7  | 581.6  | 579.5  |
| 122.5° | 623.9  | 624.5  | 626.0  | 627.4  | 628.9  | 630.4  | 629.9  | 627.3  | 624.8  | 622.4  | 619.9  |
| 125°   | 688.9  | 689.7  | 690.5  | 691.4  | 692.1  | 692.9  | 692.1  | 689.7  | 687.4  | 685.1  | 682.7  |
| 127.5° | 752.1  | 753.1  | 754.1  | 755.0  | 755.9  | 756.9  | 755.8  | 752.9  | 749.9  | 746.9  | 744.0  |
| 130°   | 794.8  | 795.4  | 795.9  | 796.4  | 796.9  | 797.4  | 796.0  | 792.5  | 789.2  | 785.8  | 782.4  |
| 132.5° | 837.4  | 838.5  | 838.4  | 838.3  | 838.2  | 838.1  | 836.7  | 833.8  | 831.1  | 828.4  | 825.6  |
| 135°   | 898.3  | 898.6  | 898.1  | 897.5  | 897.0  | 896.5  | 894.7  | 891.9  | 889.1  | 886.2  | 883.3  |
| 137.5° | 957.5  | 957.7  | 956.9  | 956.3  | 955.6  | 954.9  | 953.4  | 951.1  | 948.8  | 946.4  | 944.0  |
| 140°   | 997.0  | 997.0  | 995.8  | 994.5  | 993.2  | 991.9  | 990.1  | 987.7  | 985.3  | 983.0  | 980.7  |
| 142.5° | 1033.0 | 1032.8 | 1031.9 | 1031.0 | 1030.1 | 1029.2 | 1027.5 | 1025.2 | 1022.9 | 1020.6 | 1018.2 |
| 145°   | 1087.6 | 1087.4 | 1085.8 | 1084.3 | 1082.7 | 1081.2 | 1079.4 | 1077.6 | 1075.8 | 1074.0 | 1072.2 |
| 147.5° | 1135.4 | 1134.8 | 1133.8 | 1132.8 | 1131.7 | 1130.6 | 1129.0 | 1126.8 | 1124.6 | 1122.5 | 1120.2 |
| 150°   | 1165.6 | 1164.9 | 1163.8 | 1162.8 | 1161.7 | 1160.6 | 1159.3 | 1157.8 | 1156.2 | 1154.7 | 1153.1 |
| 152.5° | 1195.9 | 1194.9 | 1193.7 | 1192.3 | 1191.1 | 1189.8 | 1188.4 | 1186.9 | 1185.3 | 1183.8 | 1182.1 |
| 155°   | 1234.2 | 1232.8 | 1232.1 | 1231.3 | 1230.5 | 1229.7 | 1229.0 | 1228.2 | 1227.4 | 1226.6 | 1225.9 |
| 157.5° | 1269.4 | 1267.6 | 1267.1 | 1266.7 | 1266.2 | 1265.7 | 1265.3 | 1264.7 | 1264.1 | 1263.6 | 1263.1 |
| 160°   | 1290.7 | 1289.2 | 1288.9 | 1288.7 | 1288.4 | 1288.1 | 1287.8 | 1287.2 | 1286.7 | 1286.2 | 1285.7 |
| 162.5° | 1309.7 | 1308.0 | 1307.7 | 1307.4 | 1307.2 | 1306.9 | 1306.8 | 1306.6 | 1306.5 | 1306.4 | 1306.3 |
| 165°   | 1334.4 | 1332.6 | 1332.6 | 1332.6 | 1332.6 | 1332.6 | 1332.7 | 1332.9 | 1333.2 | 1333.5 | 1333.7 |
| 167.5° | 1354.8 | 1353.0 | 1353.0 | 1353.1 | 1353.1 | 1353.2 | 1353.6 | 1354.4 | 1355.1 | 1355.9 | 1356.8 |
| 170°   | 1366.0 | 1364.2 | 1364.5 | 1364.7 | 1365.0 | 1365.3 | 1365.8 | 1366.5 | 1367.4 | 1368.2 | 1369.0 |
| 172.5° | 1374.5 | 1372.7 | 1372.9 | 1373.2 | 1373.5 | 1373.7 | 1374.2 | 1375.0 | 1375.8 | 1376.6 | 1377.4 |
| 175°   | 1383.7 | 1381.8 | 1382.4 | 1382.9 | 1383.4 | 1383.9 | 1384.6 | 1385.3 | 1386.1 | 1386.9 | 1387.8 |
| 177.5° | 1388.5 | 1387.3 | 1387.7 | 1388.1 | 1388.5 | 1388.9 | 1389.5 | 1390.1 | 1390.7 | 1391.3 | 1391.9 |
| 180°   | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 |
| 2.5°   | 600.1 | 601.0 | 603.9 | 606.8 | 610.2 | 611.1 | 612.5 | 611.3 | 610.9 | 614.3 | 616.9 |
| 5°     | 601.8 | 605.8 | 613.9 | 621.3 | 627.4 | 631.8 | 636.4 | 638.2 | 641.7 | 646.4 | 652.5 |
| 7.5°   | 599.8 | 607.8 | 620.5 | 631.2 | 642.8 | 651.2 | 657.7 | 663.4 | 670.1 | 679.2 | 689.2 |
| 10°    | 597.6 | 608.3 | 623.8 | 636.8 | 651.1 | 661.9 | 670.8 | 679.5 | 689.6 | 702.3 | 715.3 |
| 12.5°  | 593.6 | 606.3 | 625.6 | 641.1 | 659.3 | 669.9 | 682.0 | 700.7 | 711.7 | 729.2 | 747.6 |
| 15°    | 585.4 | 599.7 | 626.5 | 645.5 | 666.2 | 686.4 | 708.6 | 726.5 | 744.4 | 754.8 | 780.6 |
| 17.5°  | 573.4 | 594.2 | 624.0 | 646.2 | 672.5 | 704.2 | 729.2 | 749.5 | 770.1 | 786.9 | 799.9 |
| 20°    | 563.6 | 586.3 | 620.4 | 646.9 | 678.1 | 712.3 | 740.9 | 761.6 | 779.5 | 793.6 | 801.5 |
| 22.5°  | 551.4 | 580.0 | 613.0 | 644.2 | 684.0 | 717.8 | 747.9 | 764.2 | 779.1 | 786.0 | 789.1 |
| 25°    | 532.0 | 566.4 | 603.8 | 641.9 | 686.8 | 722.7 | 750.1 | 760.0 | 764.4 | 757.7 | 746.7 |
| 27.5°  | 511.1 | 549.5 | 593.2 | 637.5 | 685.1 | 719.5 | 739.2 | 737.7 | 730.3 | 708.7 | 691.6 |
| 30°    | 495.5 | 537.8 | 584.7 | 633.2 | 680.9 | 714.4 | 725.8 | 714.4 | 697.6 | 673.6 | 648.9 |
| 32.5°  | 479.2 | 522.9 | 575.7 | 626.9 | 673.2 | 702.7 | 705.1 | 685.4 | 659.4 | 632.1 | 601.5 |
| 35°    | 454.4 | 501.7 | 558.9 | 613.0 | 656.8 | 675.4 | 664.4 | 629.4 | 598.7 | 561.4 | 519.6 |
| 37.5°  | 426.5 | 478.7 | 535.9 | 592.6 | 632.3 | 637.1 | 609.8 | 573.1 | 529.7 | 485.7 | 436.6 |
| 40°    | 405.6 | 460.9 | 519.9 | 576.9 | 612.1 | 607.0 | 572.1 | 531.8 | 480.2 | 426.5 | 380.8 |
| 42.5°  | 386.9 | 442.1 | 502.2 | 558.3 | 586.3 | 572.5 | 531.8 | 482.2 | 426.8 | 376.2 | 334.4 |
| 45°    | 354.5 | 411.3 | 472.8 | 526.9 | 543.0 | 518.0 | 464.1 | 409.0 | 354.5 | 312.3 | 279.2 |
| 47.5°  | 323.0 | 379.2 | 440.1 | 487.7 | 493.3 | 459.7 | 400.8 | 344.2 | 297.2 | 262.9 | 239.5 |
| 50°    | 299.8 | 356.3 | 416.6 | 459.1 | 457.2 | 416.6 | 356.1 | 302.2 | 262.9 | 235.1 | 219.5 |
| 52.5°  | 279.1 | 332.4 | 390.3 | 429.0 | 419.2 | 375.0 | 317.1 | 269.2 | 237.0 | 215.3 | 201.2 |
| 55°    | 246.8 | 296.2 | 351.2 | 382.2 | 364.3 | 315.2 | 266.3 | 227.8 | 203.9 | 187.6 | 176.6 |
| 57.5°  | 214.8 | 261.1 | 308.2 | 327.3 | 307.5 | 262.2 | 221.5 | 193.5 | 175.5 | 163.5 | 156.3 |
| 60°    | 195.0 | 235.4 | 277.3 | 293.9 | 270.2 | 229.8 | 197.7 | 172.8 | 158.2 | 148.5 | 142.0 |
| 62.5°  | 175.2 | 211.4 | 251.0 | 259.9 | 238.3 | 204.2 | 175.7 | 154.9 | 143.1 | 134.3 | 128.3 |
| 65°    | 148.1 | 177.8 | 207.8 | 213.8 | 193.9 | 167.4 | 145.0 | 131.5 | 120.9 | 114.5 | 109.7 |
| 67.5°  | 121.6 | 145.3 | 166.6 | 171.4 | 153.9 | 135.6 | 119.4 | 107.6 | 100.5 | 95.1  | 91.0  |
| 70°    | 105.7 | 124.6 | 142.0 | 145.9 | 131.9 | 115.6 | 103.2 | 93.8  | 87.4  | 82.8  | 78.9  |
| 72.5°  | 89.1  | 104.7 | 119.3 | 121.9 | 110.5 | 98.0  | 87.9  | 80.4  | 74.7  | 71.8  | 68.1  |
| 75°    | 68.2  | 77.4  | 88.6  | 89.3  | 81.7  | 74.1  | 66.3  | 61.5  | 58.5  | 54.8  | 53.0  |
| 77.5°  | 48.1  | 55.2  | 61.7  | 62.9  | 58.5  | 53.3  | 49.0  | 45.1  | 42.6  | 40.9  | 39.2  |
| 80°    | 36.7  | 42.4  | 45.2  | 46.8  | 43.6  | 39.9  | 37.4  | 34.8  | 33.2  | 32.1  | 31.0  |
| 82.5°  | 26.3  | 29.8  | 32.3  | 33.6  | 31.8  | 29.6  | 27.2  | 25.7  | 24.4  | 23.5  | 23.1  |
| 85°    | 13.3  | 14.9  | 16.6  | 17.0  | 16.6  | 15.6  | 14.2  | 14.2  | 13.5  | 13.3  | 13.3  |
| 87.5°  | 5.5   | 6.8   | 7.5   | 8.6   | 9.1   | 10.3  | 11.4  | 12.4  | 13.3  | 13.0  | 12.7  |
| 90°    | 4.3   | 7.5   | 10.6  | 13.7  | 18.1  | 23.8  | 29.6  | 35.3  | 41.1  | 40.5  | 40.0  |
| 92.5°  | 23.1  | 25.4  | 27.8  | 30.1  | 31.9  | 33.2  | 34.6  | 36.0  | 37.3  | 37.4  | 37.5  |
| 95°    | 63.6  | 66.2  | 68.8  | 71.4  | 73.0  | 73.5  | 74.0  | 74.5  | 75.0  | 75.0  | 75.0  |
| 97.5°  | 113.7 | 116.0 | 118.4 | 120.6 | 122.3 | 123.2 | 124.2 | 125.2 | 126.2 | 126.2 | 126.2 |
| 100°   | 151.1 | 153.2 | 155.2 | 157.3 | 158.8 | 159.6 | 160.3 | 161.1 | 161.9 | 161.9 | 161.9 |
| 102.5° | 190.1 | 191.8 | 193.4 | 195.1 | 196.4 | 197.4 | 198.3 | 199.3 | 200.4 | 200.6 | 200.8 |
| 105°   | 253.0 | 253.8 | 254.6 | 255.3 | 256.0 | 256.5 | 257.0 | 257.5 | 258.0 | 258.6 | 259.1 |
| 107.5° | 317.6 | 318.8 | 319.9 | 321.0 | 321.6 | 321.6 | 321.6 | 321.6 | 321.6 | 321.8 | 322.0 |
| 110°   | 359.3 | 360.9 | 362.4 | 364.1 | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 | 364.9 |





TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 404.3  | 406.0  | 407.5  | 409.1  | 409.8  | 409.5  | 409.3  | 409.1  | 408.9  | 408.3  | 407.7  |
| 115°   | 470.8  | 472.3  | 473.9  | 475.4  | 475.9  | 475.4  | 474.9  | 474.4  | 473.9  | 473.6  | 473.4  |
| 117.5° | 537.5  | 539.6  | 541.6  | 543.7  | 544.0  | 542.6  | 541.1  | 539.7  | 538.2  | 537.6  | 536.9  |
| 120°   | 581.6  | 583.7  | 585.7  | 587.8  | 587.8  | 585.7  | 583.7  | 581.6  | 579.5  | 579.5  | 579.5  |
| 122.5° | 622.4  | 624.8  | 627.3  | 629.9  | 630.4  | 628.9  | 627.4  | 626.0  | 624.5  | 623.9  | 623.3  |
| 125°   | 685.1  | 687.4  | 689.7  | 692.1  | 692.9  | 692.1  | 691.4  | 690.5  | 689.7  | 688.9  | 688.2  |
| 127.5° | 746.9  | 749.9  | 752.9  | 755.8  | 756.9  | 755.9  | 755.0  | 754.1  | 753.1  | 752.1  | 751.2  |
| 130°   | 785.8  | 789.2  | 792.5  | 796.0  | 797.4  | 796.9  | 796.4  | 795.9  | 795.4  | 794.8  | 794.3  |
| 132.5° | 828.4  | 831.1  | 833.8  | 836.7  | 838.1  | 838.2  | 838.3  | 838.4  | 838.5  | 837.4  | 836.2  |
| 135°   | 886.2  | 889.1  | 891.9  | 894.7  | 896.5  | 897.0  | 897.5  | 898.1  | 898.6  | 898.3  | 898.1  |
| 137.5° | 946.4  | 948.8  | 951.1  | 953.4  | 954.9  | 955.6  | 956.3  | 956.9  | 957.7  | 957.5  | 957.3  |
| 140°   | 983.0  | 985.3  | 987.7  | 990.1  | 991.9  | 993.2  | 994.5  | 995.8  | 997.0  | 997.0  | 997.0  |
| 142.5° | 1020.6 | 1022.9 | 1025.2 | 1027.5 | 1029.2 | 1030.1 | 1031.0 | 1031.9 | 1032.8 | 1033.0 | 1033.2 |
| 145°   | 1074.0 | 1075.8 | 1077.6 | 1079.4 | 1081.2 | 1082.7 | 1084.3 | 1085.8 | 1087.4 | 1087.6 | 1087.9 |
| 147.5° | 1122.5 | 1124.6 | 1126.8 | 1129.0 | 1130.6 | 1131.7 | 1132.8 | 1133.8 | 1134.8 | 1135.4 | 1136.0 |
| 150°   | 1154.7 | 1156.2 | 1157.8 | 1159.3 | 1160.6 | 1161.7 | 1162.8 | 1163.8 | 1164.9 | 1165.6 | 1166.4 |
| 152.5° | 1183.8 | 1185.3 | 1186.9 | 1188.4 | 1189.8 | 1191.1 | 1192.3 | 1193.7 | 1194.9 | 1195.9 | 1196.9 |
| 155°   | 1226.6 | 1227.4 | 1228.2 | 1229.0 | 1229.7 | 1230.5 | 1231.3 | 1232.1 | 1232.8 | 1234.2 | 1235.5 |
| 157.5° | 1263.6 | 1264.1 | 1264.7 | 1265.3 | 1265.7 | 1266.2 | 1266.7 | 1267.1 | 1267.6 | 1269.4 | 1271.1 |
| 160°   | 1286.2 | 1286.7 | 1287.2 | 1287.8 | 1288.1 | 1288.4 | 1288.7 | 1288.9 | 1289.2 | 1290.7 | 1292.3 |
| 162.5° | 1306.4 | 1306.5 | 1306.6 | 1306.8 | 1306.9 | 1307.2 | 1307.4 | 1307.7 | 1308.0 | 1309.7 | 1311.5 |
| 165°   | 1333.5 | 1333.2 | 1332.9 | 1332.7 | 1332.6 | 1332.6 | 1332.6 | 1332.6 | 1332.6 | 1334.4 | 1336.3 |
| 167.5° | 1355.9 | 1355.1 | 1354.4 | 1353.6 | 1353.2 | 1353.1 | 1353.1 | 1353.0 | 1353.0 | 1354.8 | 1356.7 |
| 170°   | 1368.2 | 1367.4 | 1366.5 | 1365.8 | 1365.3 | 1365.0 | 1364.7 | 1364.5 | 1364.2 | 1366.0 | 1367.9 |
| 172.5° | 1376.6 | 1375.8 | 1375.0 | 1374.2 | 1373.7 | 1373.5 | 1373.2 | 1372.9 | 1372.7 | 1374.5 | 1376.3 |
| 175°   | 1386.9 | 1386.1 | 1385.3 | 1384.6 | 1383.9 | 1383.4 | 1382.9 | 1382.4 | 1381.8 | 1383.7 | 1385.5 |
| 177.5° | 1391.3 | 1390.7 | 1390.1 | 1389.5 | 1388.9 | 1388.5 | 1388.1 | 1387.7 | 1387.3 | 1388.5 | 1389.8 |
| 180°   | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 | 596.9 |
| 2.5°   | 619.1 | 621.7 | 621.7 | 622.1 | 625.0 | 624.6 | 624.4 |
| 5°     | 658.8 | 662.8 | 663.2 | 667.3 | 670.0 | 669.1 | 666.6 |
| 7.5°   | 696.3 | 703.6 | 709.1 | 712.2 | 715.8 | 718.0 | 717.0 |
| 10°    | 726.1 | 736.6 | 743.1 | 747.4 | 752.7 | 756.6 | 755.2 |
| 12.5°  | 753.1 | 765.6 | 774.5 | 781.9 | 782.5 | 787.6 | 784.2 |
| 15°    | 795.2 | 808.4 | 809.8 | 815.3 | 819.7 | 819.2 | 819.4 |
| 17.5°  | 809.0 | 813.2 | 814.2 | 814.3 | 814.4 | 812.7 | 809.2 |
| 20°    | 804.1 | 802.4 | 798.6 | 795.6 | 790.3 | 789.6 | 785.1 |
| 22.5°  | 780.5 | 775.5 | 765.7 | 759.2 | 751.0 | 748.9 | 747.6 |
| 25°    | 734.4 | 723.1 | 707.5 | 692.6 | 688.4 | 680.4 | 682.7 |
| 27.5°  | 670.9 | 653.4 | 636.4 | 624.4 | 613.4 | 601.4 | 604.8 |
| 30°    | 626.3 | 606.5 | 582.7 | 564.3 | 552.6 | 541.2 | 539.1 |
| 32.5°  | 573.1 | 544.1 | 517.6 | 501.4 | 483.4 | 476.2 | 468.3 |
| 35°    | 481.3 | 453.0 | 426.7 | 403.9 | 390.9 | 380.8 | 371.6 |
| 37.5°  | 398.8 | 366.3 | 345.0 | 326.6 | 317.1 | 311.3 | 312.9 |
| 40°    | 347.6 | 319.1 | 303.5 | 289.5 | 280.7 | 276.7 | 277.6 |
| 42.5°  | 306.1 | 284.8 | 272.0 | 262.4 | 256.2 | 253.9 | 253.4 |
| 45°    | 259.0 | 247.1 | 236.5 | 231.1 | 228.0 | 225.5 | 223.9 |
| 47.5°  | 226.9 | 217.1 | 211.2 | 207.9 | 205.3 | 202.8 | 202.7 |
| 50°    | 207.6 | 201.2 | 197.0 | 193.6 | 191.6 | 189.8 | 191.4 |
| 52.5°  | 192.9 | 187.0 | 182.9 | 179.9 | 179.0 | 177.4 | 177.3 |
| 55°    | 171.2 | 166.5 | 163.6 | 160.8 | 159.5 | 158.5 | 157.3 |
| 57.5°  | 151.3 | 146.9 | 144.2 | 142.5 | 139.9 | 139.0 | 138.6 |
| 60°    | 137.1 | 133.7 | 131.0 | 128.7 | 127.5 | 125.7 | 125.7 |
| 62.5°  | 124.1 | 120.7 | 118.2 | 116.4 | 114.5 | 113.8 | 114.0 |
| 65°    | 105.3 | 102.5 | 100.0 | 98.2  | 97.8  | 96.3  | 96.8  |
| 67.5°  | 88.0  | 86.1  | 83.4  | 82.4  | 81.6  | 80.9  | 80.3  |
| 70°    | 76.3  | 74.5  | 73.2  | 71.8  | 71.1  | 71.1  | 71.1  |
| 72.5°  | 66.7  | 64.4  | 63.6  | 61.9  | 62.3  | 61.6  | 60.8  |
| 75°    | 51.6  | 50.2  | 49.6  | 48.9  | 47.8  | 47.8  | 47.8  |
| 77.5°  | 38.0  | 37.6  | 36.8  | 36.1  | 35.7  | 35.5  | 35.6  |
| 80°    | 29.4  | 29.1  | 28.7  | 28.7  | 28.2  | 28.0  | 27.6  |
| 82.5°  | 22.6  | 22.0  | 21.7  | 21.5  | 21.4  | 21.4  | 21.3  |
| 85°    | 12.8  | 12.4  | 12.4  | 12.6  | 12.1  | 12.1  | 12.4  |
| 87.5°  | 12.8  | 12.7  | 12.5  | 12.6  | 12.8  | 12.7  | 12.7  |
| 90°    | 39.5  | 39.0  | 38.9  | 39.1  | 39.4  | 39.6  | 39.9  |
| 92.5°  | 37.6  | 37.8  | 37.8  | 37.9  | 37.9  | 38.0  | 38.0  |
| 95°    | 75.0  | 75.0  | 74.8  | 74.3  | 73.8  | 73.2  | 72.7  |
| 97.5°  | 126.2 | 126.2 | 126.2 | 126.1 | 126.1 | 126.0 | 126.0 |
| 100°   | 161.9 | 161.9 | 161.8 | 161.5 | 161.3 | 161.0 | 160.7 |
| 102.5° | 201.0 | 201.2 | 201.2 | 200.9 | 200.7 | 200.4 | 200.2 |
| 105°   | 259.6 | 260.1 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 |
| 107.5° | 322.2 | 322.4 | 321.9 | 320.8 | 319.6 | 318.4 | 317.2 |
| 110°   | 364.9 | 364.9 | 364.5 | 363.7 | 362.8 | 362.0 | 361.3 |



TEST NUMBER: P331277-840

CATALOG NUMBER: SA2XXDIP-C290D1080U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 407.1  | 406.5  | 405.9  | 405.3  | 404.7  | 404.1  | 403.5  |
| 115°   | 473.1  | 472.8  | 472.3  | 471.6  | 470.8  | 470.0  | 469.2  |
| 117.5° | 536.3  | 535.7  | 535.0  | 534.2  | 533.4  | 532.6  | 531.9  |
| 120°   | 579.5  | 579.5  | 579.1  | 578.3  | 577.5  | 576.7  | 575.9  |
| 122.5° | 622.7  | 622.0  | 621.5  | 620.9  | 620.3  | 619.8  | 619.1  |
| 125°   | 687.4  | 686.6  | 686.1  | 685.8  | 685.6  | 685.3  | 685.1  |
| 127.5° | 750.2  | 749.3  | 748.4  | 747.6  | 746.8  | 746.0  | 745.1  |
| 130°   | 793.8  | 793.2  | 792.4  | 791.4  | 790.3  | 789.3  | 788.3  |
| 132.5° | 835.1  | 833.9  | 832.9  | 832.1  | 831.2  | 830.4  | 829.6  |
| 135°   | 897.8  | 897.5  | 897.0  | 896.2  | 895.4  | 894.6  | 893.8  |
| 137.5° | 957.0  | 956.8  | 956.2  | 955.1  | 954.1  | 953.1  | 952.0  |
| 140°   | 997.0  | 997.0  | 996.5  | 995.5  | 994.5  | 993.4  | 992.4  |
| 142.5° | 1033.4 | 1033.6 | 1033.2 | 1032.1 | 1031.1 | 1030.1 | 1029.0 |
| 145°   | 1088.2 | 1088.4 | 1088.0 | 1087.0 | 1086.0 | 1084.9 | 1083.9 |
| 147.5° | 1136.5 | 1137.1 | 1136.9 | 1135.9 | 1134.9 | 1133.9 | 1133.0 |
| 150°   | 1167.2 | 1168.0 | 1168.0 | 1167.2 | 1166.4 | 1165.6 | 1164.9 |
| 152.5° | 1197.8 | 1198.8 | 1198.8 | 1197.8 | 1196.9 | 1195.9 | 1194.9 |
| 155°   | 1236.8 | 1238.1 | 1238.3 | 1237.6 | 1236.8 | 1236.0 | 1235.2 |
| 157.5° | 1272.9 | 1274.7 | 1275.0 | 1273.6 | 1272.4 | 1271.2 | 1269.9 |
| 160°   | 1293.8 | 1295.5 | 1295.7 | 1294.6 | 1293.6 | 1292.5 | 1291.5 |
| 162.5° | 1313.2 | 1315.0 | 1315.2 | 1314.0 | 1312.8 | 1311.5 | 1310.3 |
| 165°   | 1338.1 | 1339.9 | 1340.1 | 1338.9 | 1337.6 | 1336.3 | 1334.9 |
| 167.5° | 1358.5 | 1360.3 | 1360.5 | 1359.2 | 1357.8 | 1356.5 | 1355.1 |
| 170°   | 1369.7 | 1371.5 | 1371.7 | 1370.1 | 1368.6 | 1367.0 | 1365.4 |
| 172.5° | 1378.2 | 1380.0 | 1380.1 | 1378.6 | 1377.0 | 1375.4 | 1373.8 |
| 175°   | 1387.4 | 1389.2 | 1389.3 | 1387.8 | 1386.1 | 1384.6 | 1383.0 |
| 177.5° | 1391.0 | 1392.2 | 1392.2 | 1391.0 | 1389.8 | 1388.5 | 1387.3 |
| 180°   | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 | 1390.1 |

(END OF REPORT)