

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: P331628-830

Luminaire Tested: **SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331628-830  
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: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

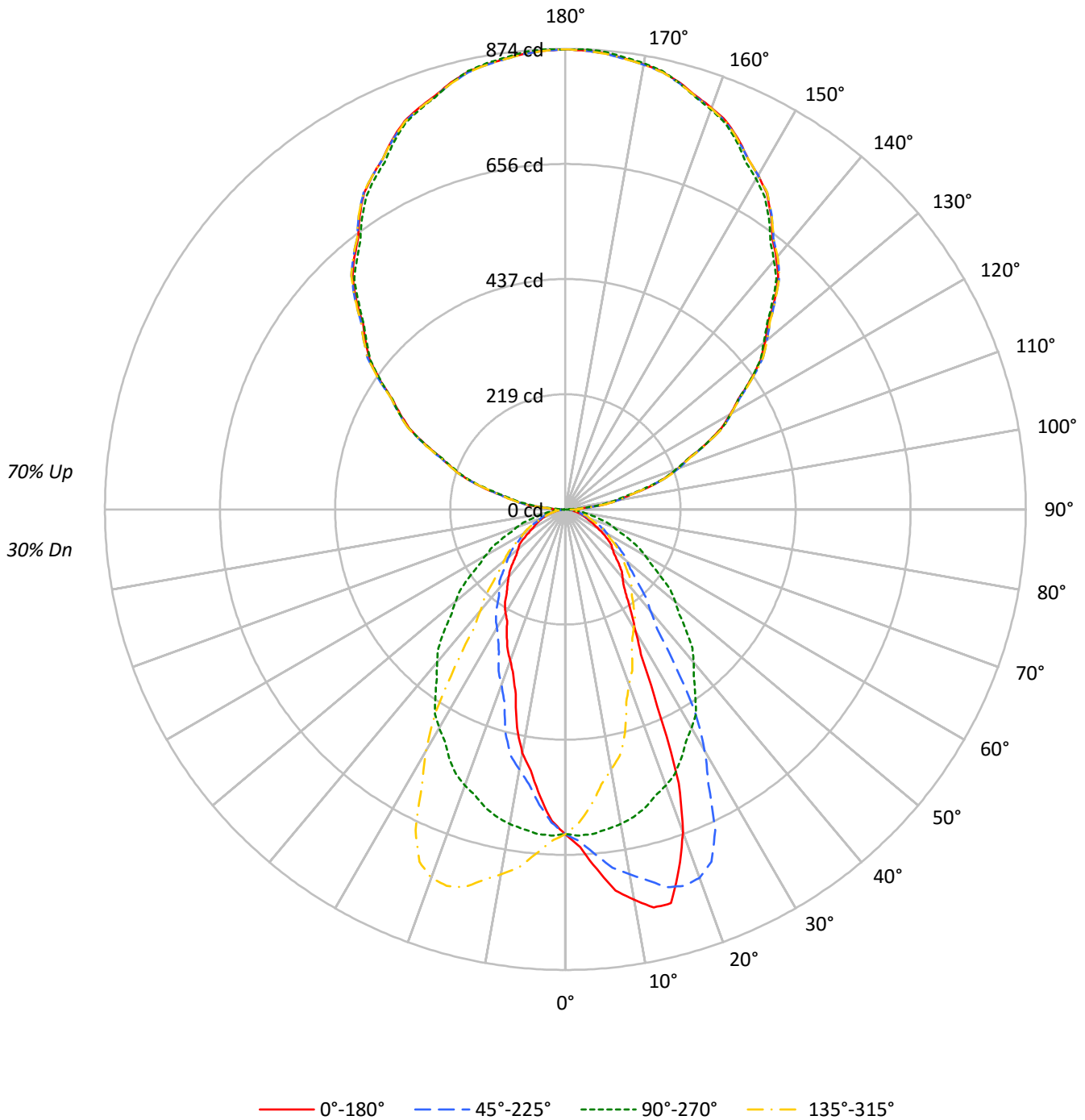
Lumens per Lamp: N/A  
Luminaire Lumens: 3509.5 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 31.2  
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: P331628-830  
CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-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   | 102 | 102 | 102 | 102 | 92 | 92 | 92 | 92 | 72 | 72 | 72 | 55 | 55 | 55 | 38 | 38 | 38 | 30 |
| 1   | 94  | 90  | 86  | 83  | 84 | 81 | 78 | 75 | 64 | 62 | 60 | 49 | 47 | 46 | 34 | 34 | 33 | 27 |
| 2   | 86  | 79  | 73  | 68  | 77 | 71 | 66 | 62 | 57 | 53 | 51 | 43 | 41 | 39 | 31 | 30 | 29 | 23 |
| 3   | 79  | 70  | 63  | 58  | 70 | 63 | 57 | 53 | 50 | 46 | 43 | 39 | 36 | 34 | 28 | 26 | 25 | 20 |
| 4   | 72  | 62  | 55  | 49  | 65 | 56 | 50 | 45 | 45 | 41 | 37 | 35 | 32 | 29 | 25 | 23 | 22 | 18 |
| 5   | 66  | 55  | 48  | 42  | 59 | 50 | 44 | 39 | 41 | 36 | 32 | 31 | 28 | 26 | 23 | 21 | 19 | 16 |
| 6   | 61  | 50  | 42  | 37  | 55 | 45 | 39 | 34 | 37 | 32 | 28 | 29 | 25 | 23 | 21 | 19 | 17 | 14 |
| 7   | 57  | 45  | 38  | 32  | 51 | 41 | 35 | 30 | 33 | 29 | 25 | 26 | 23 | 20 | 19 | 17 | 16 | 13 |
| 8   | 53  | 41  | 34  | 29  | 47 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 21 | 18 | 18 | 16 | 14 | 12 |
| 9   | 49  | 37  | 30  | 26  | 44 | 34 | 28 | 24 | 28 | 23 | 20 | 22 | 19 | 17 | 17 | 15 | 13 | 11 |
| 10  | 46  | 34  | 28  | 23  | 41 | 31 | 25 | 21 | 26 | 21 | 18 | 20 | 17 | 15 | 15 | 13 | 12 | 10 |

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

|     | 0°    | 90°   | 180° | 270°  |
|-----|-------|-------|------|-------|
| 0°  | 9947  | 9947  | 9947 | 9947  |
| 5°  | 11110 | 10010 | 8877 | 10010 |
| 10° | 12329 | 9940  | 7694 | 9940  |
| 15° | 12933 | 9795  | 6063 | 9795  |
| 20° | 11213 | 9579  | 5246 | 9579  |
| 25° | 7352  | 9283  | 4684 | 9283  |
| 30° | 4950  | 8925  | 4238 | 8925  |
| 35° | 4009  | 8474  | 3824 | 8474  |
| 40° | 3564  | 7982  | 3539 | 7982  |
| 45° | 3226  | 7405  | 3158 | 7405  |
| 50° | 2936  | 6835  | 2926 | 6835  |
| 55° | 2759  | 6201  | 2725 | 6201  |
| 60° | 2309  | 5622  | 2283 | 5622  |
| 65° | 1948  | 5104  | 2208 | 5104  |
| 70° | 1799  | 4556  | 2082 | 4556  |
| 75° | 1684  | 3968  | 1921 | 3968  |
| 80° | 1553  | 3273  | 1711 | 3273  |
| 85° | 1426  | 2575  | 1501 | 2575  |



TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.4   | 1.7       |
| 10°-20°   | 162.8  | 4.6       |
| 20°-30°   | 209.7  | 6.0       |
| 30°-40°   | 199.3  | 5.7       |
| 40°-50°   | 170.7  | 4.9       |
| 50°-60°   | 130.0  | 3.7       |
| 60°-70°   | 82.2   | 2.3       |
| 70°-80°   | 41.0   | 1.2       |
| 80°-90°   | 14.2   | 0.4       |
| 90°-100°  | 55.3   | 1.6       |
| 100°-110° | 171.8  | 4.9       |
| 110°-120° | 293.7  | 8.4       |
| 120°-130° | 386.2  | 11.0      |
| 130°-140° | 433.5  | 12.4      |
| 140°-150° | 425.0  | 12.1      |
| 150°-160° | 356.5  | 10.2      |
| 160°-170° | 236.5  | 6.7       |
| 170°-180° | 82.6   | 2.4       |
| 0°-30°    | 430.9  | 12.3      |
| 0°-40°    | 630.2  | 18.0      |
| 0°-60°    | 931.0  | 26.5      |
| 0°-90°    | 1068.4 | 30.4      |
| 90°-120°  | 520.8  | 14.8      |
| 90°-150°  | 1765.5 | 50.3      |
| 90°-180°  | 2441.0 | 69.6      |
| 0°-180°   | 3509.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 616 | 616 | 616  | 616  | 616  |      |
| 5°   | 686 | 618 | 548  | 618  | 686  | 68   |
| 15°  | 774 | 586 | 363  | 586  | 774  | 209  |
| 25°  | 413 | 521 | 263  | 521  | 413  | 196  |
| 35°  | 203 | 430 | 194  | 430  | 203  | 130  |
| 45°  | 141 | 324 | 138  | 324  | 141  | 109  |
| 55°  | 98  | 220 | 97   | 220  | 98   | 86   |
| 65°  | 51  | 134 | 58   | 134  | 51   | 52   |
| 75°  | 27  | 64  | 31   | 64   | 27   | 29   |
| 85°  | 8   | 14  | 8    | 14   | 8    | 9    |
| 90°  | 25  | 1   | 25   | 1    | 25   | 11   |
| 95°  | 46  | 38  | 46   | 38   | 46   | 51   |
| 105° | 164 | 158 | 164  | 158  | 164  | 172  |
| 115° | 295 | 295 | 295  | 295  | 295  | 291  |
| 125° | 430 | 429 | 430  | 429  | 430  | 384  |
| 135° | 561 | 555 | 561  | 555  | 561  | 432  |
| 145° | 681 | 673 | 681  | 673  | 681  | 425  |
| 155° | 776 | 770 | 776  | 770  | 776  | 357  |
| 165° | 838 | 838 | 838  | 838  | 838  | 236  |
| 175° | 869 | 872 | 869  | 872  | 869  | 83   |
| 180° | 873 | 873 | 873  | 873  | 873  |      |



TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 641.2 | 641.7 | 642.2 | 641.0 | 641.0 | 640.0 | 637.7 | 636.0 | 631.2 | 630.6 | 630.6 |
| 5°     | 685.5 | 685.1 | 686.0 | 683.2 | 679.4 | 678.4 | 674.4 | 669.0 | 663.5 | 657.3 | 656.0 |
| 7.5°   | 729.6 | 729.0 | 727.3 | 726.8 | 723.9 | 717.4 | 710.9 | 703.9 | 694.7 | 685.6 | 681.1 |
| 10°    | 752.0 | 759.0 | 754.7 | 747.2 | 748.7 | 738.7 | 733.3 | 724.1 | 716.3 | 702.9 | 699.9 |
| 12.5°  | 773.8 | 776.7 | 775.2 | 771.0 | 769.1 | 762.1 | 754.9 | 746.9 | 732.6 | 720.6 | 710.0 |
| 15°    | 773.7 | 777.8 | 778.9 | 777.6 | 778.6 | 778.3 | 774.4 | 767.8 | 755.4 | 742.1 | 730.5 |
| 17.5°  | 716.6 | 719.4 | 726.5 | 731.2 | 737.3 | 749.9 | 756.2 | 758.6 | 756.8 | 749.1 | 741.0 |
| 20°    | 652.6 | 647.9 | 667.6 | 677.6 | 686.2 | 707.6 | 726.0 | 733.1 | 744.4 | 744.2 | 742.1 |
| 22.5°  | 561.8 | 562.9 | 581.5 | 593.5 | 618.5 | 640.0 | 660.9 | 687.5 | 709.5 | 724.0 | 732.4 |
| 25°    | 412.7 | 420.9 | 439.5 | 455.8 | 483.6 | 523.5 | 559.7 | 601.6 | 641.2 | 672.5 | 702.3 |
| 27.5°  | 310.0 | 310.7 | 325.4 | 340.4 | 356.9 | 389.6 | 435.2 | 485.2 | 541.7 | 588.3 | 641.9 |
| 30°    | 265.5 | 264.2 | 270.4 | 279.7 | 293.8 | 319.1 | 353.3 | 402.5 | 458.8 | 529.0 | 591.5 |
| 32.5°  | 233.9 | 234.0 | 238.7 | 245.5 | 257.2 | 274.3 | 297.7 | 337.8 | 391.0 | 460.1 | 533.3 |
| 35°    | 203.4 | 203.2 | 206.6 | 211.5 | 216.4 | 227.3 | 243.5 | 264.4 | 301.0 | 365.4 | 440.4 |
| 37.5°  | 181.4 | 182.4 | 184.1 | 187.2 | 192.6 | 198.7 | 208.3 | 222.4 | 248.5 | 286.6 | 349.6 |
| 40°    | 169.1 | 169.6 | 171.9 | 174.5 | 177.7 | 182.4 | 190.3 | 201.7 | 220.7 | 251.1 | 297.2 |
| 42.5°  | 157.9 | 158.3 | 159.9 | 162.3 | 164.9 | 169.6 | 176.2 | 186.0 | 201.4 | 225.1 | 263.1 |
| 45°    | 141.3 | 141.3 | 142.8 | 143.8 | 146.7 | 150.9 | 156.3 | 164.5 | 175.1 | 192.7 | 217.9 |
| 47.5°  | 125.8 | 125.8 | 126.9 | 128.7 | 130.4 | 133.7 | 139.0 | 145.7 | 153.4 | 167.0 | 188.6 |
| 50°    | 116.9 | 117.2 | 117.7 | 119.2 | 120.4 | 123.3 | 127.4 | 133.2 | 141.3 | 151.8 | 169.8 |
| 52.5°  | 109.7 | 109.6 | 110.4 | 111.0 | 111.8 | 113.9 | 117.0 | 122.1 | 129.3 | 138.5 | 153.4 |
| 55°    | 98.0  | 97.2  | 98.5  | 99.5  | 100.2 | 101.0 | 102.7 | 105.9 | 112.2 | 119.9 | 131.0 |
| 57.5°  | 83.5  | 83.1  | 84.1  | 85.0  | 87.1  | 89.4  | 90.9  | 92.8  | 96.0  | 101.6 | 112.6 |
| 60°    | 71.5  | 71.5  | 73.4  | 74.1  | 76.4  | 79.5  | 82.5  | 84.2  | 87.4  | 91.0  | 99.2  |
| 62.5°  | 60.9  | 61.1  | 61.9  | 62.6  | 63.9  | 67.6  | 71.8  | 75.6  | 78.6  | 82.1  | 87.5  |
| 65°    | 51.0  | 51.4  | 51.4  | 51.8  | 52.7  | 53.5  | 55.2  | 58.2  | 63.6  | 68.5  | 72.6  |
| 67.5°  | 43.3  | 43.4  | 43.5  | 43.9  | 44.1  | 45.1  | 45.8  | 47.1  | 48.4  | 53.0  | 58.1  |
| 70°    | 38.1  | 38.7  | 38.5  | 38.9  | 39.2  | 39.6  | 40.4  | 41.1  | 43.1  | 44.1  | 47.1  |
| 72.5°  | 33.3  | 33.7  | 33.7  | 34.0  | 34.6  | 34.7  | 35.3  | 36.0  | 37.2  | 38.1  | 39.8  |
| 75°    | 27.0  | 26.8  | 27.0  | 27.4  | 27.6  | 27.8  | 27.8  | 28.7  | 29.3  | 30.2  | 31.3  |
| 77.5°  | 20.8  | 21.0  | 21.0  | 21.0  | 21.1  | 21.5  | 21.4  | 21.8  | 22.4  | 22.9  | 23.4  |
| 80°    | 16.7  | 16.9  | 16.7  | 16.9  | 17.2  | 17.3  | 17.2  | 17.3  | 18.0  | 18.4  | 18.4  |
| 82.5°  | 12.9  | 13.0  | 13.1  | 13.1  | 13.2  | 13.2  | 13.6  | 13.6  | 14.0  | 13.9  | 14.1  |
| 85°    | 7.7   | 7.5   | 7.5   | 7.5   | 7.7   | 7.9   | 7.7   | 7.7   | 7.9   | 7.9   | 7.9   |
| 87.5°  | 7.7   | 7.9   | 7.8   | 7.8   | 7.8   | 7.8   | 7.9   | 8.1   | 8.0   | 8.2   | 7.4   |
| 90°    | 25.1  | 24.9  | 24.7  | 24.6  | 24.4  | 24.5  | 24.8  | 25.2  | 25.4  | 25.8  | 22.1  |
| 92.5°  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  | 23.7  | 23.7  | 23.6  | 23.5  | 23.5  | 22.6  |
| 95°    | 45.7  | 46.0  | 46.4  | 46.7  | 47.0  | 47.1  | 47.1  | 47.1  | 47.1  | 47.1  | 46.8  |
| 97.5°  | 79.1  | 79.2  | 79.2  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  | 78.6  |
| 100°   | 100.9 | 101.1 | 101.2 | 101.4 | 101.6 | 101.7 | 101.7 | 101.7 | 101.7 | 101.7 | 101.1 |
| 102.5° | 125.6 | 125.8 | 126.0 | 126.2 | 126.3 | 126.4 | 126.2 | 126.1 | 125.9 | 125.8 | 125.2 |
| 105°   | 163.5 | 163.5 | 163.5 | 163.5 | 163.5 | 163.4 | 163.1 | 162.8 | 162.4 | 162.1 | 161.7 |
| 107.5° | 199.3 | 200.0 | 200.8 | 201.5 | 202.3 | 202.6 | 202.4 | 202.3 | 202.2 | 202.0 | 202.0 |
| 110°   | 226.9 | 227.4 | 227.9 | 228.4 | 228.8 | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 253.4 | 253.8 | 254.1 | 254.5 | 254.9 | 255.2 | 255.6 | 256.0 | 256.5 | 256.8 | 256.9 |
| 115°   | 294.7 | 295.2 | 295.7 | 296.1 | 296.6 | 297.0 | 297.2 | 297.3 | 297.5 | 297.7 | 297.9 |
| 117.5° | 334.0 | 334.5 | 335.0 | 335.5 | 336.0 | 336.4 | 336.9 | 337.2 | 337.6 | 338.0 | 338.9 |
| 120°   | 361.7 | 362.2 | 362.7 | 363.2 | 363.7 | 363.9 | 363.9 | 363.9 | 363.9 | 363.9 | 365.2 |
| 122.5° | 388.9 | 389.2 | 389.6 | 389.9 | 390.3 | 390.7 | 391.1 | 391.4 | 391.8 | 392.2 | 393.1 |
| 125°   | 430.3 | 430.5 | 430.6 | 430.7 | 430.9 | 431.2 | 431.7 | 432.3 | 432.7 | 433.2 | 433.7 |
| 127.5° | 468.0 | 468.5 | 469.0 | 469.6 | 470.0 | 470.6 | 471.2 | 471.8 | 472.4 | 473.0 | 473.5 |
| 130°   | 495.1 | 495.8 | 496.4 | 497.0 | 497.7 | 498.2 | 498.5 | 498.9 | 499.2 | 499.5 | 499.8 |
| 132.5° | 521.0 | 521.5 | 522.1 | 522.5 | 523.1 | 523.8 | 524.4 | 525.2 | 525.9 | 526.6 | 526.5 |
| 135°   | 561.4 | 561.8 | 562.4 | 562.9 | 563.4 | 563.6 | 563.8 | 564.0 | 564.2 | 564.3 | 564.0 |
| 137.5° | 597.9 | 598.6 | 599.3 | 599.9 | 600.6 | 601.0 | 601.1 | 601.2 | 601.3 | 601.4 | 601.1 |
| 140°   | 623.3 | 624.0 | 624.6 | 625.3 | 625.8 | 626.2 | 626.2 | 626.2 | 626.2 | 626.2 | 625.4 |
| 142.5° | 646.3 | 647.0 | 647.5 | 648.2 | 648.8 | 649.1 | 649.0 | 648.8 | 648.8 | 648.7 | 648.1 |
| 145°   | 680.7 | 681.4 | 682.0 | 682.7 | 683.3 | 683.6 | 683.4 | 683.2 | 683.2 | 683.0 | 681.9 |
| 147.5° | 711.5 | 712.2 | 712.8 | 713.4 | 714.1 | 714.2 | 713.8 | 713.4 | 713.0 | 712.8 | 712.1 |
| 150°   | 731.6 | 732.1 | 732.5 | 733.0 | 733.6 | 733.6 | 733.0 | 732.5 | 732.1 | 731.6 | 730.9 |
| 152.5° | 750.5 | 751.0 | 751.7 | 752.3 | 752.9 | 752.9 | 752.3 | 751.7 | 751.0 | 750.5 | 749.6 |
| 155°   | 775.8 | 776.3 | 776.7 | 777.2 | 777.8 | 777.6 | 776.7 | 775.9 | 775.1 | 774.3 | 773.8 |
| 157.5° | 797.6 | 798.3 | 799.2 | 799.9 | 800.7 | 800.6 | 799.5 | 798.3 | 797.2 | 796.1 | 795.8 |
| 160°   | 811.2 | 811.8 | 812.5 | 813.1 | 813.8 | 813.6 | 812.7 | 811.6 | 810.7 | 809.6 | 809.5 |
| 162.5° | 822.9 | 823.7 | 824.5 | 825.3 | 826.0 | 826.0 | 824.8 | 823.7 | 822.6 | 821.4 | 821.3 |
| 165°   | 838.4 | 839.2 | 840.0 | 840.8 | 841.7 | 841.5 | 840.4 | 839.2 | 838.1 | 836.9 | 836.9 |
| 167.5° | 851.1 | 852.0 | 852.8 | 853.7 | 854.5 | 854.3 | 853.2 | 852.1 | 850.9 | 849.7 | 849.8 |
| 170°   | 857.5 | 858.6 | 859.5 | 860.5 | 861.5 | 861.4 | 860.3 | 859.1 | 858.0 | 856.8 | 857.0 |
| 172.5° | 862.9 | 863.8 | 864.8 | 865.8 | 866.8 | 866.7 | 865.5 | 864.4 | 863.3 | 862.1 | 862.3 |
| 175°   | 868.6 | 869.6 | 870.5 | 871.6 | 872.5 | 872.4 | 871.3 | 870.2 | 869.0 | 867.9 | 868.2 |
| 177.5° | 871.3 | 872.0 | 872.8 | 873.6 | 874.4 | 874.4 | 873.6 | 872.8 | 872.0 | 871.3 | 871.5 |
| 180°   | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 630.9 | 629.5 | 628.3 | 625.3 | 623.7 | 620.3 | 619.8 | 619.6 | 615.2 | 610.9 | 609.6 |
| 5°     | 652.6 | 649.1 | 644.0 | 638.0 | 631.8 | 625.4 | 621.1 | 617.6 | 609.1 | 601.0 | 596.3 |
| 7.5°   | 674.4 | 667.0 | 658.2 | 646.9 | 637.3 | 626.8 | 618.9 | 611.8 | 599.6 | 588.0 | 580.1 |
| 10°    | 690.7 | 678.7 | 666.9 | 651.3 | 639.0 | 627.1 | 616.0 | 606.3 | 592.7 | 577.2 | 566.3 |
| 12.5°  | 700.8 | 687.6 | 671.4 | 656.1 | 640.3 | 625.0 | 610.1 | 597.8 | 581.6 | 565.7 | 552.8 |
| 15°    | 714.4 | 700.3 | 680.6 | 658.7 | 638.5 | 618.5 | 601.4 | 586.0 | 565.1 | 545.9 | 530.1 |
| 17.5°  | 725.7 | 706.2 | 685.0 | 659.8 | 636.2 | 611.0 | 588.9 | 569.2 | 545.8 | 522.8 | 504.2 |
| 20°    | 729.2 | 709.9 | 685.5 | 660.3 | 632.4 | 602.7 | 578.9 | 557.5 | 532.4 | 507.4 | 486.0 |
| 22.5°  | 727.0 | 712.0 | 684.9 | 654.6 | 626.1 | 595.0 | 568.2 | 543.3 | 515.5 | 489.9 | 465.1 |
| 25°    | 711.9 | 706.7 | 681.1 | 648.1 | 615.6 | 579.4 | 548.3 | 521.1 | 489.5 | 462.0 | 435.1 |
| 27.5°  | 676.7 | 687.8 | 671.8 | 636.7 | 600.5 | 561.8 | 526.8 | 495.9 | 463.0 | 432.2 | 405.3 |
| 30°    | 642.7 | 668.2 | 661.4 | 628.8 | 588.3 | 550.3 | 511.0 | 478.7 | 443.7 | 411.9 | 385.4 |
| 32.5°  | 596.3 | 638.4 | 645.1 | 617.8 | 576.0 | 534.1 | 493.0 | 460.9 | 424.2 | 390.9 | 365.0 |
| 35°    | 522.4 | 585.3 | 614.3 | 596.9 | 555.0 | 509.7 | 467.4 | 429.9 | 393.0 | 360.1 | 334.4 |
| 37.5°  | 434.2 | 520.0 | 568.2 | 569.4 | 530.8 | 483.9 | 437.7 | 400.5 | 362.8 | 330.5 | 302.7 |
| 40°    | 377.0 | 470.0 | 532.7 | 546.6 | 514.1 | 463.4 | 416.6 | 378.7 | 342.0 | 310.2 | 278.3 |
| 42.5°  | 325.6 | 418.2 | 495.3 | 519.5 | 493.7 | 443.3 | 396.4 | 356.8 | 321.0 | 291.1 | 258.4 |
| 45°    | 263.3 | 344.3 | 429.2 | 472.5 | 458.2 | 411.5 | 362.0 | 324.3 | 290.8 | 264.9 | 233.6 |
| 47.5°  | 222.2 | 279.2 | 361.5 | 419.9 | 419.7 | 377.1 | 328.4 | 292.4 | 261.2 | 236.9 | 211.6 |
| 50°    | 198.7 | 248.4 | 317.9 | 384.3 | 389.8 | 354.1 | 307.8 | 272.1 | 243.0 | 217.5 | 197.2 |
| 52.5°  | 177.6 | 218.6 | 281.1 | 344.8 | 360.6 | 329.6 | 284.7 | 251.8 | 223.5 | 200.0 | 182.7 |
| 55°    | 150.1 | 181.8 | 229.3 | 288.8 | 312.8 | 291.0 | 251.1 | 220.3 | 197.4 | 177.7 | 162.7 |
| 57.5°  | 127.0 | 150.7 | 188.9 | 236.8 | 264.7 | 251.0 | 218.1 | 193.0 | 173.4 | 155.6 | 143.8 |
| 60°    | 112.4 | 131.9 | 164.2 | 204.2 | 235.1 | 225.5 | 197.4 | 174.1 | 157.4 | 141.9 | 130.8 |
| 62.5°  | 98.7  | 115.5 | 143.2 | 175.7 | 203.9 | 199.9 | 177.0 | 157.4 | 142.8 | 128.8 | 119.3 |
| 65°    | 79.5  | 91.6  | 113.3 | 138.7 | 161.5 | 163.3 | 146.8 | 133.6 | 120.6 | 109.4 | 101.0 |
| 67.5°  | 63.2  | 71.3  | 86.4  | 107.9 | 124.9 | 131.0 | 120.9 | 110.7 | 100.4 | 91.8  | 84.5  |
| 70°    | 53.3  | 59.8  | 70.9  | 88.2  | 103.9 | 110.3 | 104.4 | 96.5  | 87.6  | 80.5  | 74.3  |
| 72.5°  | 43.2  | 49.5  | 57.7  | 70.4  | 83.8  | 90.8  | 88.7  | 83.0  | 75.8  | 69.8  | 64.0  |
| 75°    | 32.5  | 34.5  | 40.1  | 48.6  | 59.1  | 65.1  | 66.5  | 63.6  | 57.8  | 53.3  | 49.9  |
| 77.5°  | 24.0  | 25.3  | 27.9  | 32.3  | 39.2  | 44.6  | 46.8  | 46.4  | 42.4  | 39.9  | 36.6  |
| 80°    | 19.2  | 19.9  | 21.2  | 23.1  | 28.3  | 33.6  | 35.2  | 35.2  | 32.3  | 31.3  | 28.1  |
| 82.5°  | 14.6  | 15.1  | 15.9  | 17.0  | 19.3  | 24.0  | 25.7  | 26.0  | 24.3  | 22.9  | 20.4  |
| 85°    | 8.4   | 8.1   | 8.6   | 9.2   | 9.6   | 10.9  | 13.5  | 13.9  | 13.5  | 11.8  | 11.1  |
| 87.5°  | 6.6   | 6.0   | 5.4   | 4.6   | 4.4   | 4.1   | 4.6   | 5.1   | 4.8   | 4.7   | 4.7   |
| 90°    | 18.6  | 15.0  | 11.4  | 8.6   | 6.6   | 4.7   | 2.7   | 0.8   | 2.7   | 4.7   | 6.6   |
| 92.5°  | 21.7  | 20.8  | 20.0  | 18.9  | 17.4  | 16.0  | 14.5  | 13.1  | 14.5  | 16.0  | 17.4  |
| 95°    | 46.5  | 46.2  | 45.8  | 44.9  | 43.3  | 41.6  | 40.0  | 38.3  | 40.0  | 41.6  | 43.3  |
| 97.5°  | 78.0  | 77.4  | 76.8  | 75.8  | 74.3  | 72.9  | 71.4  | 70.0  | 71.4  | 72.9  | 74.3  |
| 100°   | 100.7 | 100.2 | 99.7  | 98.8  | 97.5  | 96.1  | 94.9  | 93.6  | 94.9  | 96.1  | 97.5  |
| 102.5° | 124.6 | 123.9 | 123.4 | 122.5 | 121.5 | 120.5 | 119.3 | 118.3 | 119.3 | 120.5 | 121.5 |
| 105°   | 161.5 | 161.1 | 160.8 | 160.3 | 159.9 | 159.4 | 158.9 | 158.4 | 158.9 | 159.4 | 159.9 |
| 107.5° | 202.0 | 202.0 | 202.0 | 201.6 | 201.0 | 200.2 | 199.5 | 198.8 | 199.5 | 200.2 | 201.0 |
| 110°   | 229.1 | 229.1 | 229.1 | 228.7 | 227.6 | 226.7 | 225.6 | 224.7 | 225.6 | 226.7 | 227.6 |





TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 257.1 | 257.2 | 257.3 | 256.9 | 255.9 | 255.0 | 254.0 | 253.0 | 254.0 | 255.0 | 255.9 |
| 115°   | 298.3 | 298.6 | 299.0 | 298.6 | 297.7 | 296.6 | 295.7 | 294.7 | 295.7 | 296.6 | 297.7 |
| 117.5° | 339.9 | 340.7 | 341.7 | 341.5 | 340.2 | 338.8 | 337.5 | 336.2 | 337.5 | 338.8 | 340.2 |
| 120°   | 366.6 | 367.9 | 369.2 | 369.2 | 367.9 | 366.6 | 365.2 | 363.9 | 365.2 | 366.6 | 367.9 |
| 122.5° | 394.1 | 395.0 | 395.9 | 395.6 | 394.0 | 392.5 | 390.9 | 389.3 | 390.9 | 392.5 | 394.0 |
| 125°   | 434.1 | 434.7 | 435.2 | 434.7 | 433.2 | 431.7 | 430.3 | 428.8 | 430.3 | 431.7 | 433.2 |
| 127.5° | 474.2 | 474.8 | 475.3 | 474.7 | 472.9 | 471.0 | 469.1 | 467.2 | 469.1 | 471.0 | 472.9 |
| 130°   | 500.1 | 500.5 | 500.8 | 499.9 | 497.8 | 495.7 | 493.5 | 491.4 | 493.5 | 495.7 | 497.8 |
| 132.5° | 526.5 | 526.4 | 526.3 | 525.5 | 523.7 | 522.0 | 520.3 | 518.5 | 520.3 | 522.0 | 523.7 |
| 135°   | 563.6 | 563.4 | 563.0 | 561.9 | 560.2 | 558.4 | 556.6 | 554.8 | 556.6 | 558.4 | 560.2 |
| 137.5° | 600.6 | 600.2 | 599.7 | 598.8 | 597.4 | 595.9 | 594.4 | 593.0 | 594.4 | 595.9 | 597.4 |
| 140°   | 624.6 | 623.8 | 622.9 | 621.8 | 620.3 | 618.9 | 617.4 | 616.0 | 617.4 | 618.9 | 620.3 |
| 142.5° | 647.5 | 647.0 | 646.4 | 645.4 | 643.9 | 642.4 | 640.9 | 639.5 | 640.9 | 642.4 | 643.9 |
| 145°   | 681.0 | 680.0 | 679.0 | 678.0 | 676.8 | 675.7 | 674.5 | 673.4 | 674.5 | 675.7 | 676.8 |
| 147.5° | 711.4 | 710.8 | 710.1 | 709.1 | 707.7 | 706.3 | 704.9 | 703.6 | 704.9 | 706.3 | 707.7 |
| 150°   | 730.3 | 729.6 | 729.0 | 728.1 | 727.2 | 726.1 | 725.2 | 724.2 | 725.2 | 726.1 | 727.2 |
| 152.5° | 748.9 | 748.1 | 747.2 | 746.4 | 745.5 | 744.4 | 743.5 | 742.4 | 743.5 | 744.4 | 745.5 |
| 155°   | 773.4 | 772.8 | 772.3 | 771.8 | 771.4 | 770.9 | 770.3 | 769.9 | 770.3 | 770.9 | 771.4 |
| 157.5° | 795.5 | 795.2 | 794.9 | 794.7 | 794.3 | 794.0 | 793.6 | 793.3 | 793.6 | 794.0 | 794.3 |
| 160°   | 809.4 | 809.2 | 809.0 | 808.8 | 808.4 | 808.1 | 807.8 | 807.5 | 807.8 | 808.1 | 808.4 |
| 162.5° | 821.1 | 821.0 | 820.8 | 820.7 | 820.6 | 820.6 | 820.5 | 820.4 | 820.5 | 820.6 | 820.6 |
| 165°   | 836.9 | 836.9 | 836.9 | 837.0 | 837.2 | 837.4 | 837.5 | 837.6 | 837.5 | 837.4 | 837.2 |
| 167.5° | 849.8 | 849.9 | 849.9 | 850.2 | 850.6 | 851.1 | 851.6 | 852.1 | 851.6 | 851.1 | 850.6 |
| 170°   | 857.1 | 857.3 | 857.4 | 857.8 | 858.3 | 858.8 | 859.3 | 859.8 | 859.3 | 858.8 | 858.3 |
| 172.5° | 862.4 | 862.6 | 862.8 | 863.1 | 863.6 | 864.1 | 864.6 | 865.1 | 864.6 | 864.1 | 863.6 |
| 175°   | 868.6 | 868.8 | 869.2 | 869.6 | 870.1 | 870.5 | 871.1 | 871.6 | 871.1 | 870.5 | 870.1 |
| 177.5° | 871.8 | 872.0 | 872.3 | 872.6 | 873.0 | 873.5 | 873.8 | 874.2 | 873.8 | 873.5 | 873.0 |
| 180°   | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 |



TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 607.5 | 606.2 | 604.0 | 600.6 | 598.5 | 594.9 | 592.6 | 593.9 | 594.3 | 593.9 | 593.6 |
| 5°     | 591.2 | 586.6 | 580.4 | 574.4 | 568.8 | 562.9 | 559.4 | 558.0 | 555.0 | 553.3 | 552.3 |
| 7.5°   | 571.4 | 563.6 | 554.9 | 544.4 | 535.6 | 526.2 | 521.5 | 519.2 | 513.0 | 509.7 | 506.8 |
| 10°    | 556.7 | 544.4 | 535.6 | 522.0 | 513.6 | 501.4 | 493.0 | 493.3 | 484.9 | 480.2 | 476.8 |
| 12.5°  | 540.4 | 527.0 | 512.4 | 500.0 | 488.4 | 478.6 | 468.5 | 464.5 | 455.6 | 451.1 | 441.9 |
| 15°    | 513.4 | 497.8 | 482.4 | 465.7 | 453.9 | 438.7 | 424.1 | 406.3 | 392.0 | 379.6 | 376.2 |
| 17.5°  | 484.0 | 464.6 | 449.1 | 429.5 | 409.3 | 383.8 | 366.9 | 356.6 | 348.0 | 341.4 | 336.5 |
| 20°    | 463.7 | 444.0 | 427.5 | 398.0 | 370.8 | 353.5 | 341.1 | 333.1 | 324.1 | 317.1 | 313.2 |
| 22.5°  | 442.5 | 422.0 | 399.4 | 366.5 | 345.3 | 331.4 | 320.4 | 311.2 | 305.1 | 299.6 | 296.1 |
| 25°    | 412.4 | 389.8 | 352.8 | 330.2 | 313.0 | 298.4 | 290.8 | 285.2 | 278.8 | 271.3 | 267.9 |
| 27.5°  | 380.5 | 344.8 | 318.1 | 301.2 | 284.9 | 275.5 | 268.5 | 260.2 | 254.5 | 251.1 | 247.5 |
| 30°    | 356.7 | 320.9 | 300.2 | 281.7 | 270.2 | 259.7 | 251.6 | 246.9 | 241.3 | 235.5 | 233.2 |
| 32.5°  | 330.2 | 301.6 | 281.6 | 266.4 | 254.6 | 245.6 | 239.2 | 231.6 | 227.6 | 224.0 | 219.1 |
| 35°    | 297.2 | 275.5 | 257.3 | 245.0 | 233.8 | 226.5 | 219.0 | 214.5 | 207.3 | 204.2 | 202.4 |
| 37.5°  | 269.3 | 250.5 | 237.0 | 223.9 | 215.0 | 207.0 | 202.4 | 195.2 | 192.1 | 187.8 | 183.8 |
| 40°    | 253.4 | 235.1 | 222.1 | 211.3 | 201.4 | 195.5 | 189.7 | 183.9 | 179.2 | 177.3 | 172.4 |
| 42.5°  | 237.4 | 222.4 | 209.3 | 197.7 | 191.1 | 184.6 | 177.4 | 173.1 | 168.2 | 165.1 | 162.1 |
| 45°    | 215.2 | 201.9 | 190.8 | 181.2 | 173.8 | 167.2 | 162.5 | 155.4 | 152.7 | 146.5 | 143.8 |
| 47.5°  | 195.7 | 183.3 | 172.7 | 163.5 | 156.5 | 152.1 | 145.2 | 139.7 | 135.3 | 131.4 | 128.1 |
| 50°    | 181.8 | 171.4 | 161.2 | 153.1 | 146.7 | 140.4 | 133.4 | 130.6 | 123.8 | 121.8 | 119.9 |
| 52.5°  | 169.1 | 159.3 | 150.0 | 141.9 | 135.5 | 129.5 | 123.3 | 119.6 | 115.0 | 113.1 | 111.7 |
| 55°    | 151.4 | 141.9 | 133.0 | 125.9 | 119.5 | 113.3 | 109.4 | 104.9 | 102.7 | 101.2 | 99.5  |
| 57.5°  | 133.6 | 125.1 | 118.2 | 111.0 | 104.5 | 99.6  | 95.2  | 92.5  | 90.3  | 88.3  | 86.2  |
| 60°    | 122.2 | 114.1 | 107.9 | 101.2 | 94.6  | 90.6  | 87.2  | 83.9  | 81.3  | 78.3  | 77.5  |
| 62.5°  | 110.3 | 103.1 | 97.5  | 91.0  | 85.2  | 81.5  | 78.2  | 75.2  | 72.1  | 67.8  | 66.5  |
| 65°    | 93.8  | 88.2  | 82.2  | 76.8  | 71.7  | 68.1  | 63.3  | 59.9  | 58.6  | 58.2  | 58.1  |
| 67.5°  | 78.9  | 73.6  | 68.4  | 63.0  | 58.3  | 55.0  | 52.5  | 52.0  | 51.1  | 50.9  | 50.2  |
| 70°    | 68.9  | 64.0  | 58.9  | 53.7  | 49.2  | 48.6  | 47.8  | 46.8  | 45.8  | 45.4  | 45.0  |
| 72.5°  | 60.0  | 55.0  | 49.8  | 45.7  | 43.7  | 43.0  | 42.1  | 41.2  | 40.5  | 40.1  | 39.9  |
| 75°    | 46.0  | 41.3  | 37.9  | 36.4  | 35.3  | 34.7  | 33.4  | 32.8  | 32.3  | 31.7  | 31.5  |
| 77.5°  | 33.2  | 30.4  | 28.9  | 28.0  | 26.9  | 26.2  | 25.4  | 24.8  | 24.3  | 24.2  | 23.8  |
| 80°    | 25.3  | 23.9  | 22.9  | 21.6  | 21.2  | 20.4  | 20.2  | 19.5  | 19.7  | 19.0  | 19.0  |
| 82.5°  | 19.6  | 18.0  | 17.1  | 16.5  | 16.0  | 15.4  | 15.2  | 14.9  | 14.9  | 14.4  | 14.4  |
| 85°    | 10.1  | 9.6   | 9.2   | 8.8   | 8.8   | 8.1   | 8.4   | 8.1   | 8.1   | 7.7   | 7.5   |
| 87.5°  | 5.0   | 5.4   | 5.7   | 6.5   | 7.2   | 7.7   | 7.6   | 7.4   | 7.4   | 7.3   | 7.1   |
| 90°    | 8.6   | 11.4  | 15.0  | 18.6  | 22.1  | 25.8  | 25.4  | 25.2  | 24.8  | 24.5  | 24.4  |
| 92.5°  | 18.9  | 20.0  | 20.8  | 21.7  | 22.6  | 23.5  | 23.5  | 23.6  | 23.7  | 23.7  | 23.8  |
| 95°    | 44.9  | 45.8  | 46.2  | 46.5  | 46.8  | 47.1  | 47.1  | 47.1  | 47.1  | 47.1  | 47.0  |
| 97.5°  | 75.8  | 76.8  | 77.4  | 78.0  | 78.6  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  |
| 100°   | 98.8  | 99.7  | 100.2 | 100.7 | 101.1 | 101.7 | 101.7 | 101.7 | 101.7 | 101.7 | 101.6 |
| 102.5° | 122.5 | 123.4 | 123.9 | 124.6 | 125.2 | 125.8 | 125.9 | 126.1 | 126.2 | 126.4 | 126.3 |
| 105°   | 160.3 | 160.8 | 161.1 | 161.5 | 161.7 | 162.1 | 162.4 | 162.8 | 163.1 | 163.4 | 163.5 |
| 107.5° | 201.6 | 202.0 | 202.0 | 202.0 | 202.0 | 202.0 | 202.2 | 202.3 | 202.4 | 202.6 | 202.3 |
| 110°   | 228.7 | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 | 228.8 |



TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 256.9 | 257.3 | 257.2 | 257.1 | 256.9 | 256.8 | 256.5 | 256.0 | 255.6 | 255.2 | 254.9 |
| 115°   | 298.6 | 299.0 | 298.6 | 298.3 | 297.9 | 297.7 | 297.5 | 297.3 | 297.2 | 297.0 | 296.6 |
| 117.5° | 341.5 | 341.7 | 340.7 | 339.9 | 338.9 | 338.0 | 337.6 | 337.2 | 336.9 | 336.4 | 336.0 |
| 120°   | 369.2 | 369.2 | 367.9 | 366.6 | 365.2 | 363.9 | 363.9 | 363.9 | 363.9 | 363.9 | 363.7 |
| 122.5° | 395.6 | 395.9 | 395.0 | 394.1 | 393.1 | 392.2 | 391.8 | 391.4 | 391.1 | 390.7 | 390.3 |
| 125°   | 434.7 | 435.2 | 434.7 | 434.1 | 433.7 | 433.2 | 432.7 | 432.3 | 431.7 | 431.2 | 430.9 |
| 127.5° | 474.7 | 475.3 | 474.8 | 474.2 | 473.5 | 473.0 | 472.4 | 471.8 | 471.2 | 470.6 | 470.0 |
| 130°   | 499.9 | 500.8 | 500.5 | 500.1 | 499.8 | 499.5 | 499.2 | 498.9 | 498.5 | 498.2 | 497.7 |
| 132.5° | 525.5 | 526.3 | 526.4 | 526.5 | 526.5 | 526.6 | 525.9 | 525.2 | 524.4 | 523.8 | 523.1 |
| 135°   | 561.9 | 563.0 | 563.4 | 563.6 | 564.0 | 564.3 | 564.2 | 564.0 | 563.8 | 563.6 | 563.4 |
| 137.5° | 598.8 | 599.7 | 600.2 | 600.6 | 601.1 | 601.4 | 601.3 | 601.2 | 601.1 | 601.0 | 600.6 |
| 140°   | 621.8 | 622.9 | 623.8 | 624.6 | 625.4 | 626.2 | 626.2 | 626.2 | 626.2 | 626.2 | 625.8 |
| 142.5° | 645.4 | 646.4 | 647.0 | 647.5 | 648.1 | 648.7 | 648.8 | 648.8 | 649.0 | 649.1 | 648.8 |
| 145°   | 678.0 | 679.0 | 680.0 | 681.0 | 681.9 | 683.0 | 683.2 | 683.2 | 683.4 | 683.6 | 683.3 |
| 147.5° | 709.1 | 710.1 | 710.8 | 711.4 | 712.1 | 712.8 | 713.0 | 713.4 | 713.8 | 714.2 | 714.1 |
| 150°   | 728.1 | 729.0 | 729.6 | 730.3 | 730.9 | 731.6 | 732.1 | 732.5 | 733.0 | 733.6 | 733.6 |
| 152.5° | 746.4 | 747.2 | 748.1 | 748.9 | 749.6 | 750.5 | 751.0 | 751.7 | 752.3 | 752.9 | 752.9 |
| 155°   | 771.8 | 772.3 | 772.8 | 773.4 | 773.8 | 774.3 | 775.1 | 775.9 | 776.7 | 777.6 | 777.8 |
| 157.5° | 794.7 | 794.9 | 795.2 | 795.5 | 795.8 | 796.1 | 797.2 | 798.3 | 799.5 | 800.6 | 800.7 |
| 160°   | 808.8 | 809.0 | 809.2 | 809.4 | 809.5 | 809.6 | 810.7 | 811.6 | 812.7 | 813.6 | 813.8 |
| 162.5° | 820.7 | 820.8 | 821.0 | 821.1 | 821.3 | 821.4 | 822.6 | 823.7 | 824.8 | 826.0 | 826.0 |
| 165°   | 837.0 | 836.9 | 836.9 | 836.9 | 836.9 | 836.9 | 838.1 | 839.2 | 840.4 | 841.5 | 841.7 |
| 167.5° | 850.2 | 849.9 | 849.9 | 849.8 | 849.8 | 849.7 | 850.9 | 852.1 | 853.2 | 854.3 | 854.5 |
| 170°   | 857.8 | 857.4 | 857.3 | 857.1 | 857.0 | 856.8 | 858.0 | 859.1 | 860.3 | 861.4 | 861.5 |
| 172.5° | 863.1 | 862.8 | 862.6 | 862.4 | 862.3 | 862.1 | 863.3 | 864.4 | 865.5 | 866.7 | 866.8 |
| 175°   | 869.6 | 869.2 | 868.8 | 868.6 | 868.2 | 867.9 | 869.0 | 870.2 | 871.3 | 872.4 | 872.5 |
| 177.5° | 872.6 | 872.3 | 872.0 | 871.8 | 871.5 | 871.3 | 872.0 | 872.8 | 873.6 | 874.4 | 874.4 |
| 180°   | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 |



TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 591.7 | 592.0 | 591.5 | 591.8 | 591.5 | 592.0 | 591.7 | 593.6 | 593.9 | 594.3 | 593.9 |
| 5°     | 551.3 | 548.7 | 548.3 | 547.7 | 548.3 | 548.7 | 551.3 | 552.3 | 553.3 | 555.0 | 558.0 |
| 7.5°   | 503.1 | 502.8 | 501.6 | 500.1 | 501.6 | 502.8 | 503.1 | 506.8 | 509.7 | 513.0 | 519.2 |
| 10°    | 472.1 | 471.0 | 470.8 | 469.3 | 470.8 | 471.0 | 472.1 | 476.8 | 480.2 | 484.9 | 493.3 |
| 12.5°  | 435.7 | 428.9 | 428.2 | 424.4 | 428.2 | 428.9 | 435.7 | 441.9 | 451.1 | 455.6 | 464.5 |
| 15°    | 371.1 | 369.8 | 365.4 | 362.7 | 365.4 | 369.8 | 371.1 | 376.2 | 379.6 | 392.0 | 406.3 |
| 17.5°  | 334.0 | 329.8 | 328.5 | 327.9 | 328.5 | 329.8 | 334.0 | 336.5 | 341.4 | 348.0 | 356.6 |
| 20°    | 310.2 | 306.4 | 305.8 | 305.3 | 305.8 | 306.4 | 310.2 | 313.2 | 317.1 | 324.1 | 333.1 |
| 22.5°  | 293.8 | 289.7 | 288.1 | 286.8 | 288.1 | 289.7 | 293.8 | 296.1 | 299.6 | 305.1 | 311.2 |
| 25°    | 265.7 | 264.2 | 263.3 | 262.9 | 263.3 | 264.2 | 265.7 | 267.9 | 271.3 | 278.8 | 285.2 |
| 27.5°  | 243.7 | 240.4 | 239.8 | 238.7 | 239.8 | 240.4 | 243.7 | 247.5 | 251.1 | 254.5 | 260.2 |
| 30°    | 231.2 | 230.2 | 228.7 | 227.3 | 228.7 | 230.2 | 231.2 | 233.2 | 235.5 | 241.3 | 246.9 |
| 32.5°  | 216.5 | 215.6 | 214.2 | 213.7 | 214.2 | 215.6 | 216.5 | 219.1 | 224.0 | 227.6 | 231.6 |
| 35°    | 200.2 | 197.2 | 195.9 | 194.0 | 195.9 | 197.2 | 200.2 | 202.4 | 204.2 | 207.3 | 214.5 |
| 37.5°  | 182.9 | 181.3 | 179.6 | 180.2 | 179.6 | 181.3 | 182.9 | 183.8 | 187.8 | 192.1 | 195.2 |
| 40°    | 169.6 | 168.5 | 168.1 | 167.9 | 168.1 | 168.5 | 169.6 | 172.4 | 177.3 | 179.2 | 183.9 |
| 42.5°  | 158.9 | 156.0 | 154.9 | 154.9 | 154.9 | 156.0 | 158.9 | 162.1 | 165.1 | 168.2 | 173.1 |
| 45°    | 142.8 | 140.1 | 138.1 | 138.3 | 138.1 | 140.1 | 142.8 | 143.8 | 146.5 | 152.7 | 155.4 |
| 47.5°  | 126.3 | 126.2 | 125.0 | 125.4 | 125.0 | 126.2 | 126.3 | 128.1 | 131.4 | 135.3 | 139.7 |
| 50°    | 118.4 | 117.2 | 116.2 | 116.5 | 116.2 | 117.2 | 118.4 | 119.9 | 121.8 | 123.8 | 130.6 |
| 52.5°  | 110.8 | 109.7 | 109.1 | 110.0 | 109.1 | 109.7 | 110.8 | 111.7 | 113.1 | 115.0 | 119.6 |
| 55°    | 98.5  | 97.2  | 97.0  | 96.8  | 97.0  | 97.2  | 98.5  | 99.5  | 101.2 | 102.7 | 104.9 |
| 57.5°  | 84.6  | 83.8  | 82.5  | 82.0  | 82.5  | 83.8  | 84.6  | 86.2  | 88.3  | 90.3  | 92.5  |
| 60°    | 74.7  | 73.0  | 70.9  | 70.7  | 70.9  | 73.0  | 74.7  | 77.5  | 78.3  | 81.3  | 83.9  |
| 62.5°  | 65.6  | 65.3  | 64.8  | 64.8  | 64.8  | 65.3  | 65.6  | 66.5  | 67.8  | 72.1  | 75.2  |
| 65°    | 57.6  | 57.4  | 57.6  | 57.8  | 57.6  | 57.4  | 57.6  | 58.1  | 58.2  | 58.6  | 59.9  |
| 67.5°  | 50.1  | 49.8  | 49.4  | 49.6  | 49.4  | 49.8  | 50.1  | 50.2  | 50.9  | 51.1  | 52.0  |
| 70°    | 44.5  | 44.3  | 44.1  | 44.1  | 44.1  | 44.3  | 44.5  | 45.0  | 45.4  | 45.8  | 46.8  |
| 72.5°  | 39.0  | 39.0  | 38.8  | 38.6  | 38.8  | 39.0  | 39.0  | 39.9  | 40.1  | 40.5  | 41.2  |
| 75°    | 31.3  | 30.8  | 30.8  | 30.8  | 30.8  | 30.8  | 31.3  | 31.5  | 31.7  | 32.3  | 32.8  |
| 77.5°  | 23.8  | 23.6  | 23.4  | 23.2  | 23.4  | 23.6  | 23.8  | 23.8  | 24.2  | 24.3  | 24.8  |
| 80°    | 18.9  | 18.7  | 18.4  | 18.4  | 18.4  | 18.7  | 18.9  | 19.0  | 19.0  | 19.7  | 19.5  |
| 82.5°  | 14.4  | 14.1  | 14.1  | 13.9  | 14.1  | 14.1  | 14.4  | 14.4  | 14.4  | 14.9  | 14.9  |
| 85°    | 7.7   | 7.9   | 7.7   | 8.1   | 7.7   | 7.9   | 7.7   | 7.5   | 7.7   | 8.1   | 8.1   |
| 87.5°  | 7.2   | 7.0   | 7.2   | 7.1   | 7.2   | 7.0   | 7.2   | 7.1   | 7.3   | 7.4   | 7.4   |
| 90°    | 24.6  | 24.7  | 24.9  | 25.1  | 24.9  | 24.7  | 24.6  | 24.4  | 24.5  | 24.8  | 25.2  |
| 92.5°  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  | 23.7  | 23.7  | 23.6  |
| 95°    | 46.7  | 46.4  | 46.0  | 45.7  | 46.0  | 46.4  | 46.7  | 47.0  | 47.1  | 47.1  | 47.1  |
| 97.5°  | 79.3  | 79.2  | 79.2  | 79.1  | 79.2  | 79.2  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  |
| 100°   | 101.4 | 101.2 | 101.1 | 100.9 | 101.1 | 101.2 | 101.4 | 101.6 | 101.7 | 101.7 | 101.7 |
| 102.5° | 126.2 | 126.0 | 125.8 | 125.6 | 125.8 | 126.0 | 126.2 | 126.3 | 126.4 | 126.2 | 126.1 |
| 105°   | 163.5 | 163.5 | 163.5 | 163.5 | 163.5 | 163.5 | 163.5 | 163.5 | 163.4 | 163.1 | 162.8 |
| 107.5° | 201.5 | 200.8 | 200.0 | 199.3 | 200.0 | 200.8 | 201.5 | 202.3 | 202.6 | 202.4 | 202.3 |
| 110°   | 228.4 | 227.9 | 227.4 | 226.9 | 227.4 | 227.9 | 228.4 | 228.8 | 229.1 | 229.1 | 229.1 |



TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 254.5 | 254.1 | 253.8 | 253.4 | 253.8 | 254.1 | 254.5 | 254.9 | 255.2 | 255.6 | 256.0 |
| 115°   | 296.1 | 295.7 | 295.2 | 294.7 | 295.2 | 295.7 | 296.1 | 296.6 | 297.0 | 297.2 | 297.3 |
| 117.5° | 335.5 | 335.0 | 334.5 | 334.0 | 334.5 | 335.0 | 335.5 | 336.0 | 336.4 | 336.9 | 337.2 |
| 120°   | 363.2 | 362.7 | 362.2 | 361.7 | 362.2 | 362.7 | 363.2 | 363.7 | 363.9 | 363.9 | 363.9 |
| 122.5° | 389.9 | 389.6 | 389.2 | 388.9 | 389.2 | 389.6 | 389.9 | 390.3 | 390.7 | 391.1 | 391.4 |
| 125°   | 430.7 | 430.6 | 430.5 | 430.3 | 430.5 | 430.6 | 430.7 | 430.9 | 431.2 | 431.7 | 432.3 |
| 127.5° | 469.6 | 469.0 | 468.5 | 468.0 | 468.5 | 469.0 | 469.6 | 470.0 | 470.6 | 471.2 | 471.8 |
| 130°   | 497.0 | 496.4 | 495.8 | 495.1 | 495.8 | 496.4 | 497.0 | 497.7 | 498.2 | 498.5 | 498.9 |
| 132.5° | 522.5 | 522.1 | 521.5 | 521.0 | 521.5 | 522.1 | 522.5 | 523.1 | 523.8 | 524.4 | 525.2 |
| 135°   | 562.9 | 562.4 | 561.8 | 561.4 | 561.8 | 562.4 | 562.9 | 563.4 | 563.6 | 563.8 | 564.0 |
| 137.5° | 599.9 | 599.3 | 598.6 | 597.9 | 598.6 | 599.3 | 599.9 | 600.6 | 601.0 | 601.1 | 601.2 |
| 140°   | 625.3 | 624.6 | 624.0 | 623.3 | 624.0 | 624.6 | 625.3 | 625.8 | 626.2 | 626.2 | 626.2 |
| 142.5° | 648.2 | 647.5 | 647.0 | 646.3 | 647.0 | 647.5 | 648.2 | 648.8 | 649.1 | 649.0 | 648.8 |
| 145°   | 682.7 | 682.0 | 681.4 | 680.7 | 681.4 | 682.0 | 682.7 | 683.3 | 683.6 | 683.4 | 683.2 |
| 147.5° | 713.4 | 712.8 | 712.2 | 711.5 | 712.2 | 712.8 | 713.4 | 714.1 | 714.2 | 713.8 | 713.4 |
| 150°   | 733.0 | 732.5 | 732.1 | 731.6 | 732.1 | 732.5 | 733.0 | 733.6 | 733.6 | 733.0 | 732.5 |
| 152.5° | 752.3 | 751.7 | 751.0 | 750.5 | 751.0 | 751.7 | 752.3 | 752.9 | 752.9 | 752.3 | 751.7 |
| 155°   | 777.2 | 776.7 | 776.3 | 775.8 | 776.3 | 776.7 | 777.2 | 777.8 | 777.6 | 776.7 | 775.9 |
| 157.5° | 799.9 | 799.2 | 798.3 | 797.6 | 798.3 | 799.2 | 799.9 | 800.7 | 800.6 | 799.5 | 798.3 |
| 160°   | 813.1 | 812.5 | 811.8 | 811.2 | 811.8 | 812.5 | 813.1 | 813.8 | 813.6 | 812.7 | 811.6 |
| 162.5° | 825.3 | 824.5 | 823.7 | 822.9 | 823.7 | 824.5 | 825.3 | 826.0 | 826.0 | 824.8 | 823.7 |
| 165°   | 840.8 | 840.0 | 839.2 | 838.4 | 839.2 | 840.0 | 840.8 | 841.7 | 841.5 | 840.4 | 839.2 |
| 167.5° | 853.7 | 852.8 | 852.0 | 851.1 | 852.0 | 852.8 | 853.7 | 854.5 | 854.3 | 853.2 | 852.1 |
| 170°   | 860.5 | 859.5 | 858.6 | 857.5 | 858.6 | 859.5 | 860.5 | 861.5 | 861.4 | 860.3 | 859.1 |
| 172.5° | 865.8 | 864.8 | 863.8 | 862.9 | 863.8 | 864.8 | 865.8 | 866.8 | 866.7 | 865.5 | 864.4 |
| 175°   | 871.6 | 870.5 | 869.6 | 868.6 | 869.6 | 870.5 | 871.6 | 872.5 | 872.4 | 871.3 | 870.2 |
| 177.5° | 873.6 | 872.8 | 872.0 | 871.3 | 872.0 | 872.8 | 873.6 | 874.4 | 874.4 | 873.6 | 872.8 |
| 180°   | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 |



TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 592.6 | 594.9 | 598.5 | 600.6 | 604.0 | 606.2 | 607.5 | 609.6 | 610.9 | 615.2 | 619.6 |
| 5°     | 559.4 | 562.9 | 568.8 | 574.4 | 580.4 | 586.6 | 591.2 | 596.3 | 601.0 | 609.1 | 617.6 |
| 7.5°   | 521.5 | 526.2 | 535.6 | 544.4 | 554.9 | 563.6 | 571.4 | 580.1 | 588.0 | 599.6 | 611.8 |
| 10°    | 493.0 | 501.4 | 513.6 | 522.0 | 535.6 | 544.4 | 556.7 | 566.3 | 577.2 | 592.7 | 606.3 |
| 12.5°  | 468.5 | 478.6 | 488.4 | 500.0 | 512.4 | 527.0 | 540.4 | 552.8 | 565.7 | 581.6 | 597.8 |
| 15°    | 424.1 | 438.7 | 453.9 | 465.7 | 482.4 | 497.8 | 513.4 | 530.1 | 545.9 | 565.1 | 586.0 |
| 17.5°  | 366.9 | 383.8 | 409.3 | 429.5 | 449.1 | 464.6 | 484.0 | 504.2 | 522.8 | 545.8 | 569.2 |
| 20°    | 341.1 | 353.5 | 370.8 | 398.0 | 427.5 | 444.0 | 463.7 | 486.0 | 507.4 | 532.4 | 557.5 |
| 22.5°  | 320.4 | 331.4 | 345.3 | 366.5 | 399.4 | 422.0 | 442.5 | 465.1 | 489.9 | 515.5 | 543.3 |
| 25°    | 290.8 | 298.4 | 313.0 | 330.2 | 352.8 | 389.8 | 412.4 | 435.1 | 462.0 | 489.5 | 521.1 |
| 27.5°  | 268.5 | 275.5 | 284.9 | 301.2 | 318.1 | 344.8 | 380.5 | 405.3 | 432.2 | 463.0 | 495.9 |
| 30°    | 251.6 | 259.7 | 270.2 | 281.7 | 300.2 | 320.9 | 356.7 | 385.4 | 411.9 | 443.7 | 478.7 |
| 32.5°  | 239.2 | 245.6 | 254.6 | 266.4 | 281.6 | 301.6 | 330.2 | 365.0 | 390.9 | 424.2 | 460.9 |
| 35°    | 219.0 | 226.5 | 233.8 | 245.0 | 257.3 | 275.5 | 297.2 | 334.4 | 360.1 | 393.0 | 429.9 |
| 37.5°  | 202.4 | 207.0 | 215.0 | 223.9 | 237.0 | 250.5 | 269.3 | 302.7 | 330.5 | 362.8 | 400.5 |
| 40°    | 189.7 | 195.5 | 201.4 | 211.3 | 222.1 | 235.1 | 253.4 | 278.3 | 310.2 | 342.0 | 378.7 |
| 42.5°  | 177.4 | 184.6 | 191.1 | 197.7 | 209.3 | 222.4 | 237.4 | 258.4 | 291.1 | 321.0 | 356.8 |
| 45°    | 162.5 | 167.2 | 173.8 | 181.2 | 190.8 | 201.9 | 215.2 | 233.6 | 264.9 | 290.8 | 324.3 |
| 47.5°  | 145.2 | 152.1 | 156.5 | 163.5 | 172.7 | 183.3 | 195.7 | 211.6 | 236.9 | 261.2 | 292.4 |
| 50°    | 133.4 | 140.4 | 146.7 | 153.1 | 161.2 | 171.4 | 181.8 | 197.2 | 217.5 | 243.0 | 272.1 |
| 52.5°  | 123.3 | 129.5 | 135.5 | 141.9 | 150.0 | 159.3 | 169.1 | 182.7 | 200.0 | 223.5 | 251.8 |
| 55°    | 109.4 | 113.3 | 119.5 | 125.9 | 133.0 | 141.9 | 151.4 | 162.7 | 177.7 | 197.4 | 220.3 |
| 57.5°  | 95.2  | 99.6  | 104.5 | 111.0 | 118.2 | 125.1 | 133.6 | 143.8 | 155.6 | 173.4 | 193.0 |
| 60°    | 87.2  | 90.6  | 94.6  | 101.2 | 107.9 | 114.1 | 122.2 | 130.8 | 141.9 | 157.4 | 174.1 |
| 62.5°  | 78.2  | 81.5  | 85.2  | 91.0  | 97.5  | 103.1 | 110.3 | 119.3 | 128.8 | 142.8 | 157.4 |
| 65°    | 63.3  | 68.1  | 71.7  | 76.8  | 82.2  | 88.2  | 93.8  | 101.0 | 109.4 | 120.6 | 133.6 |
| 67.5°  | 52.5  | 55.0  | 58.3  | 63.0  | 68.4  | 73.6  | 78.9  | 84.5  | 91.8  | 100.4 | 110.7 |
| 70°    | 47.8  | 48.6  | 49.2  | 53.7  | 58.9  | 64.0  | 68.9  | 74.3  | 80.5  | 87.6  | 96.5  |
| 72.5°  | 42.1  | 43.0  | 43.7  | 45.7  | 49.8  | 55.0  | 60.0  | 64.0  | 69.8  | 75.8  | 83.0  |
| 75°    | 33.4  | 34.7  | 35.3  | 36.4  | 37.9  | 41.3  | 46.0  | 49.9  | 53.3  | 57.8  | 63.6  |
| 77.5°  | 25.4  | 26.2  | 26.9  | 28.0  | 28.9  | 30.4  | 33.2  | 36.6  | 39.9  | 42.4  | 46.4  |
| 80°    | 20.2  | 20.4  | 21.2  | 21.6  | 22.9  | 23.9  | 25.3  | 28.1  | 31.3  | 32.3  | 35.2  |
| 82.5°  | 15.2  | 15.4  | 16.0  | 16.5  | 17.1  | 18.0  | 19.6  | 20.4  | 22.9  | 24.3  | 26.0  |
| 85°    | 8.4   | 8.1   | 8.8   | 8.8   | 9.2   | 9.6   | 10.1  | 11.1  | 11.8  | 13.5  | 13.9  |
| 87.5°  | 7.6   | 7.7   | 7.2   | 6.5   | 5.7   | 5.4   | 5.0   | 4.7   | 4.7   | 4.8   | 5.1   |
| 90°    | 25.4  | 25.8  | 22.1  | 18.6  | 15.0  | 11.4  | 8.6   | 6.6   | 4.7   | 2.7   | 0.8   |
| 92.5°  | 23.5  | 23.5  | 22.6  | 21.7  | 20.8  | 20.0  | 18.9  | 17.4  | 16.0  | 14.5  | 13.1  |
| 95°    | 47.1  | 47.1  | 46.8  | 46.5  | 46.2  | 45.8  | 44.9  | 43.3  | 41.6  | 40.0  | 38.3  |
| 97.5°  | 79.3  | 79.3  | 78.6  | 78.0  | 77.4  | 76.8  | 75.8  | 74.3  | 72.9  | 71.4  | 70.0  |
| 100°   | 101.7 | 101.7 | 101.1 | 100.7 | 100.2 | 99.7  | 98.8  | 97.5  | 96.1  | 94.9  | 93.6  |
| 102.5° | 125.9 | 125.8 | 125.2 | 124.6 | 123.9 | 123.4 | 122.5 | 121.5 | 120.5 | 119.3 | 118.3 |
| 105°   | 162.4 | 162.1 | 161.7 | 161.5 | 161.1 | 160.8 | 160.3 | 159.9 | 159.4 | 158.9 | 158.4 |
| 107.5° | 202.2 | 202.0 | 202.0 | 202.0 | 202.0 | 202.0 | 201.6 | 201.0 | 200.2 | 199.5 | 198.8 |
| 110°   | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 | 228.7 | 227.6 | 226.7 | 225.6 | 224.7 |



TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 256.5 | 256.8 | 256.9 | 257.1 | 257.2 | 257.3 | 256.9 | 255.9 | 255.0 | 254.0 | 253.0 |
| 115°   | 297.5 | 297.7 | 297.9 | 298.3 | 298.6 | 299.0 | 298.6 | 297.7 | 296.6 | 295.7 | 294.7 |
| 117.5° | 337.6 | 338.0 | 338.9 | 339.9 | 340.7 | 341.7 | 341.5 | 340.2 | 338.8 | 337.5 | 336.2 |
| 120°   | 363.9 | 363.9 | 365.2 | 366.6 | 367.9 | 369.2 | 369.2 | 367.9 | 366.6 | 365.2 | 363.9 |
| 122.5° | 391.8 | 392.2 | 393.1 | 394.1 | 395.0 | 395.9 | 395.6 | 394.0 | 392.5 | 390.9 | 389.3 |
| 125°   | 432.7 | 433.2 | 433.7 | 434.1 | 434.7 | 435.2 | 434.7 | 433.2 | 431.7 | 430.3 | 428.8 |
| 127.5° | 472.4 | 473.0 | 473.5 | 474.2 | 474.8 | 475.3 | 474.7 | 472.9 | 471.0 | 469.1 | 467.2 |
| 130°   | 499.2 | 499.5 | 499.8 | 500.1 | 500.5 | 500.8 | 499.9 | 497.8 | 495.7 | 493.5 | 491.4 |
| 132.5° | 525.9 | 526.6 | 526.5 | 526.5 | 526.4 | 526.3 | 525.5 | 523.7 | 522.0 | 520.3 | 518.5 |
| 135°   | 564.2 | 564.3 | 564.0 | 563.6 | 563.4 | 563.0 | 561.9 | 560.2 | 558.4 | 556.6 | 554.8 |
| 137.5° | 601.3 | 601.4 | 601.1 | 600.6 | 600.2 | 599.7 | 598.8 | 597.4 | 595.9 | 594.4 | 593.0 |
| 140°   | 626.2 | 626.2 | 625.4 | 624.6 | 623.8 | 622.9 | 621.8 | 620.3 | 618.9 | 617.4 | 616.0 |
| 142.5° | 648.8 | 648.7 | 648.1 | 647.5 | 647.0 | 646.4 | 645.4 | 643.9 | 642.4 | 640.9 | 639.5 |
| 145°   | 683.2 | 683.0 | 681.9 | 681.0 | 680.0 | 679.0 | 678.0 | 676.8 | 675.7 | 674.5 | 673.4 |
| 147.5° | 713.0 | 712.8 | 712.1 | 711.4 | 710.8 | 710.1 | 709.1 | 707.7 | 706.3 | 704.9 | 703.6 |
| 150°   | 732.1 | 731.6 | 730.9 | 730.3 | 729.6 | 729.0 | 728.1 | 727.2 | 726.1 | 725.2 | 724.2 |
| 152.5° | 751.0 | 750.5 | 749.6 | 748.9 | 748.1 | 747.2 | 746.4 | 745.5 | 744.4 | 743.5 | 742.4 |
| 155°   | 775.1 | 774.3 | 773.8 | 773.4 | 772.8 | 772.3 | 771.8 | 771.4 | 770.9 | 770.3 | 769.9 |
| 157.5° | 797.2 | 796.1 | 795.8 | 795.5 | 795.2 | 794.9 | 794.7 | 794.3 | 794.0 | 793.6 | 793.3 |
| 160°   | 810.7 | 809.6 | 809.5 | 809.4 | 809.2 | 809.0 | 808.8 | 808.4 | 808.1 | 807.8 | 807.5 |
| 162.5° | 822.6 | 821.4 | 821.3 | 821.1 | 821.0 | 820.8 | 820.7 | 820.6 | 820.6 | 820.5 | 820.4 |
| 165°   | 838.1 | 836.9 | 836.9 | 836.9 | 836.9 | 836.9 | 837.0 | 837.2 | 837.4 | 837.5 | 837.6 |
| 167.5° | 850.9 | 849.7 | 849.8 | 849.8 | 849.9 | 849.9 | 850.2 | 850.6 | 851.1 | 851.6 | 852.1 |
| 170°   | 858.0 | 856.8 | 857.0 | 857.1 | 857.3 | 857.4 | 857.8 | 858.3 | 858.8 | 859.3 | 859.8 |
| 172.5° | 863.3 | 862.1 | 862.3 | 862.4 | 862.6 | 862.8 | 863.1 | 863.6 | 864.1 | 864.6 | 865.1 |
| 175°   | 869.0 | 867.9 | 868.2 | 868.6 | 868.8 | 869.2 | 869.6 | 870.1 | 870.5 | 871.1 | 871.6 |
| 177.5° | 872.0 | 871.3 | 871.5 | 871.8 | 872.0 | 872.3 | 872.6 | 873.0 | 873.5 | 873.8 | 874.2 |
| 180°   | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 |



TEST NUMBER: P331628-830  
 CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 619.8 | 620.3 | 623.7 | 625.3 | 628.3 | 629.5 | 630.9 | 630.6 | 630.6 | 631.2 | 636.0 |
| 5°     | 621.1 | 625.4 | 631.8 | 638.0 | 644.0 | 649.1 | 652.6 | 656.0 | 657.3 | 663.5 | 669.0 |
| 7.5°   | 618.9 | 626.8 | 637.3 | 646.9 | 658.2 | 667.0 | 674.4 | 681.1 | 685.6 | 694.7 | 703.9 |
| 10°    | 616.0 | 627.1 | 639.0 | 651.3 | 666.9 | 678.7 | 690.7 | 699.9 | 702.9 | 716.3 | 724.1 |
| 12.5°  | 610.1 | 625.0 | 640.3 | 656.1 | 671.4 | 687.6 | 700.8 | 710.0 | 720.6 | 732.6 | 746.9 |
| 15°    | 601.4 | 618.5 | 638.5 | 658.7 | 680.6 | 700.3 | 714.4 | 730.5 | 742.1 | 755.4 | 767.8 |
| 17.5°  | 588.9 | 611.0 | 636.2 | 659.8 | 685.0 | 706.2 | 725.7 | 741.0 | 749.1 | 756.8 | 758.6 |
| 20°    | 578.9 | 602.7 | 632.4 | 660.3 | 685.5 | 709.9 | 729.2 | 742.1 | 744.2 | 744.4 | 733.1 |
| 22.5°  | 568.2 | 595.0 | 626.1 | 654.6 | 684.9 | 712.0 | 727.0 | 732.4 | 724.0 | 709.5 | 687.5 |
| 25°    | 548.3 | 579.4 | 615.6 | 648.1 | 681.1 | 706.7 | 711.9 | 702.3 | 672.5 | 641.2 | 601.6 |
| 27.5°  | 526.8 | 561.8 | 600.5 | 636.7 | 671.8 | 687.8 | 676.7 | 641.9 | 588.3 | 541.7 | 485.2 |
| 30°    | 511.0 | 550.3 | 588.3 | 628.8 | 661.4 | 668.2 | 642.7 | 591.5 | 529.0 | 458.8 | 402.5 |
| 32.5°  | 493.0 | 534.1 | 576.0 | 617.8 | 645.1 | 638.4 | 596.3 | 533.3 | 460.1 | 391.0 | 337.8 |
| 35°    | 467.4 | 509.7 | 555.0 | 596.9 | 614.3 | 585.3 | 522.4 | 440.4 | 365.4 | 301.0 | 264.4 |
| 37.5°  | 437.7 | 483.9 | 530.8 | 569.4 | 568.2 | 520.0 | 434.2 | 349.6 | 286.6 | 248.5 | 222.4 |
| 40°    | 416.6 | 463.4 | 514.1 | 546.6 | 532.7 | 470.0 | 377.0 | 297.2 | 251.1 | 220.7 | 201.7 |
| 42.5°  | 396.4 | 443.3 | 493.7 | 519.5 | 495.3 | 418.2 | 325.6 | 263.1 | 225.1 | 201.4 | 186.0 |
| 45°    | 362.0 | 411.5 | 458.2 | 472.5 | 429.2 | 344.3 | 263.3 | 217.9 | 192.7 | 175.1 | 164.5 |
| 47.5°  | 328.4 | 377.1 | 419.7 | 419.9 | 361.5 | 279.2 | 222.2 | 188.6 | 167.0 | 153.4 | 145.7 |
| 50°    | 307.8 | 354.1 | 389.8 | 384.3 | 317.9 | 248.4 | 198.7 | 169.8 | 151.8 | 141.3 | 133.2 |
| 52.5°  | 284.7 | 329.6 | 360.6 | 344.8 | 281.1 | 218.6 | 177.6 | 153.4 | 138.5 | 129.3 | 122.1 |
| 55°    | 251.1 | 291.0 | 312.8 | 288.8 | 229.3 | 181.8 | 150.1 | 131.0 | 119.9 | 112.2 | 105.9 |
| 57.5°  | 218.1 | 251.0 | 264.7 | 236.8 | 188.9 | 150.7 | 127.0 | 112.6 | 101.6 | 96.0  | 92.8  |
| 60°    | 197.4 | 225.5 | 235.1 | 204.2 | 164.2 | 131.9 | 112.4 | 99.2  | 91.0  | 87.4  | 84.2  |
| 62.5°  | 177.0 | 199.9 | 203.9 | 175.7 | 143.2 | 115.5 | 98.7  | 87.5  | 82.1  | 78.6  | 75.6  |
| 65°    | 146.8 | 163.3 | 161.5 | 138.7 | 113.3 | 91.6  | 79.5  | 72.6  | 68.5  | 63.6  | 58.2  |
| 67.5°  | 120.9 | 131.0 | 124.9 | 107.9 | 86.4  | 71.3  | 63.2  | 58.1  | 53.0  | 48.4  | 47.1  |
| 70°    | 104.4 | 110.3 | 103.9 | 88.2  | 70.9  | 59.8  | 53.3  | 47.1  | 44.1  | 43.1  | 41.1  |
| 72.5°  | 88.7  | 90.8  | 83.8  | 70.4  | 57.7  | 49.5  | 43.2  | 39.8  | 38.1  | 37.2  | 36.0  |
| 75°    | 66.5  | 65.1  | 59.1  | 48.6  | 40.1  | 34.5  | 32.5  | 31.3  | 30.2  | 29.3  | 28.7  |
| 77.5°  | 46.8  | 44.6  | 39.2  | 32.3  | 27.9  | 25.3  | 24.0  | 23.4  | 22.9  | 22.4  | 21.8  |
| 80°    | 35.2  | 33.6  | 28.3  | 23.1  | 21.2  | 19.9  | 19.2  | 18.4  | 18.4  | 18.0  | 17.3  |
| 82.5°  | 25.7  | 24.0  | 19.3  | 17.0  | 15.9  | 15.1  | 14.6  | 14.1  | 13.9  | 14.0  | 13.6  |
| 85°    | 13.5  | 10.9  | 9.6   | 9.2   | 8.6   | 8.1   | 8.4   | 7.9   | 7.9   | 7.9   | 7.7   |
| 87.5°  | 4.6   | 4.1   | 4.4   | 4.6   | 5.4   | 6.0   | 6.6   | 7.4   | 8.2   | 8.0   | 8.1   |
| 90°    | 2.7   | 4.7   | 6.6   | 8.6   | 11.4  | 15.0  | 18.6  | 22.1  | 25.8  | 25.4  | 25.2  |
| 92.5°  | 14.5  | 16.0  | 17.4  | 18.9  | 20.0  | 20.8  | 21.7  | 22.6  | 23.5  | 23.5  | 23.6  |
| 95°    | 40.0  | 41.6  | 43.3  | 44.9  | 45.8  | 46.2  | 46.5  | 46.8  | 47.1  | 47.1  | 47.1  |
| 97.5°  | 71.4  | 72.9  | 74.3  | 75.8  | 76.8  | 77.4  | 78.0  | 78.6  | 79.3  | 79.3  | 79.3  |
| 100°   | 94.9  | 96.1  | 97.5  | 98.8  | 99.7  | 100.2 | 100.7 | 101.1 | 101.7 | 101.7 | 101.7 |
| 102.5° | 119.3 | 120.5 | 121.5 | 122.5 | 123.4 | 123.9 | 124.6 | 125.2 | 125.8 | 125.9 | 126.1 |
| 105°   | 158.9 | 159.4 | 159.9 | 160.3 | 160.8 | 161.1 | 161.5 | 161.7 | 162.1 | 162.4 | 162.8 |
| 107.5° | 199.5 | 200.2 | 201.0 | 201.6 | 202.0 | 202.0 | 202.0 | 202.0 | 202.0 | 202.2 | 202.3 |
| 110°   | 225.6 | 226.7 | 227.6 | 228.7 | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 | 229.1 |





TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 254.0 | 255.0 | 255.9 | 256.9 | 257.3 | 257.2 | 257.1 | 256.9 | 256.8 | 256.5 | 256.0 |
| 115°   | 295.7 | 296.6 | 297.7 | 298.6 | 299.0 | 298.6 | 298.3 | 297.9 | 297.7 | 297.5 | 297.3 |
| 117.5° | 337.5 | 338.8 | 340.2 | 341.5 | 341.7 | 340.7 | 339.9 | 338.9 | 338.0 | 337.6 | 337.2 |
| 120°   | 365.2 | 366.6 | 367.9 | 369.2 | 369.2 | 367.9 | 366.6 | 365.2 | 363.9 | 363.9 | 363.9 |
| 122.5° | 390.9 | 392.5 | 394.0 | 395.6 | 395.9 | 395.0 | 394.1 | 393.1 | 392.2 | 391.8 | 391.4 |
| 125°   | 430.3 | 431.7 | 433.2 | 434.7 | 435.2 | 434.7 | 434.1 | 433.7 | 433.2 | 432.7 | 432.3 |
| 127.5° | 469.1 | 471.0 | 472.9 | 474.7 | 475.3 | 474.8 | 474.2 | 473.5 | 473.0 | 472.4 | 471.8 |
| 130°   | 493.5 | 495.7 | 497.8 | 499.9 | 500.8 | 500.5 | 500.1 | 499.8 | 499.5 | 499.2 | 498.9 |
| 132.5° | 520.3 | 522.0 | 523.7 | 525.5 | 526.3 | 526.4 | 526.5 | 526.5 | 526.6 | 525.9 | 525.2 |
| 135°   | 556.6 | 558.4 | 560.2 | 561.9 | 563.0 | 563.4 | 563.6 | 564.0 | 564.3 | 564.2 | 564.0 |
| 137.5° | 594.4 | 595.9 | 597.4 | 598.8 | 599.7 | 600.2 | 600.6 | 601.1 | 601.4 | 601.3 | 601.2 |
| 140°   | 617.4 | 618.9 | 620.3 | 621.8 | 622.9 | 623.8 | 624.6 | 625.4 | 626.2 | 626.2 | 626.2 |
| 142.5° | 640.9 | 642.4 | 643.9 | 645.4 | 646.4 | 647.0 | 647.5 | 648.1 | 648.7 | 648.8 | 648.8 |
| 145°   | 674.5 | 675.7 | 676.8 | 678.0 | 679.0 | 680.0 | 681.0 | 681.9 | 683.0 | 683.2 | 683.2 |
| 147.5° | 704.9 | 706.3 | 707.7 | 709.1 | 710.1 | 710.8 | 711.4 | 712.1 | 712.8 | 713.0 | 713.4 |
| 150°   | 725.2 | 726.1 | 727.2 | 728.1 | 729.0 | 729.6 | 730.3 | 730.9 | 731.6 | 732.1 | 732.5 |
| 152.5° | 743.5 | 744.4 | 745.5 | 746.4 | 747.2 | 748.1 | 748.9 | 749.6 | 750.5 | 751.0 | 751.7 |
| 155°   | 770.3 | 770.9 | 771.4 | 771.8 | 772.3 | 772.8 | 773.4 | 773.8 | 774.3 | 775.1 | 775.9 |
| 157.5° | 793.6 | 794.0 | 794.3 | 794.7 | 794.9 | 795.2 | 795.5 | 795.8 | 796.1 | 797.2 | 798.3 |
| 160°   | 807.8 | 808.1 | 808.4 | 808.8 | 809.0 | 809.2 | 809.4 | 809.5 | 809.6 | 810.7 | 811.6 |
| 162.5° | 820.5 | 820.6 | 820.6 | 820.7 | 820.8 | 821.0 | 821.1 | 821.3 | 821.4 | 822.6 | 823.7 |
| 165°   | 837.5 | 837.4 | 837.2 | 837.0 | 836.9 | 836.9 | 836.9 | 836.9 | 836.9 | 838.1 | 839.2 |
| 167.5° | 851.6 | 851.1 | 850.6 | 850.2 | 849.9 | 849.9 | 849.8 | 849.8 | 849.7 | 850.9 | 852.1 |
| 170°   | 859.3 | 858.8 | 858.3 | 857.8 | 857.4 | 857.3 | 857.1 | 857.0 | 856.8 | 858.0 | 859.1 |
| 172.5° | 864.6 | 864.1 | 863.6 | 863.1 | 862.8 | 862.6 | 862.4 | 862.3 | 862.1 | 863.3 | 864.4 |
| 175°   | 871.1 | 870.5 | 870.1 | 869.6 | 869.2 | 868.8 | 868.6 | 868.2 | 867.9 | 869.0 | 870.2 |
| 177.5° | 873.8 | 873.5 | 873.0 | 872.6 | 872.3 | 872.0 | 871.8 | 871.5 | 871.3 | 872.0 | 872.8 |
| 180°   | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 |



TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 637.7 | 640.0 | 641.0 | 641.0 | 642.2 | 641.7 | 641.2 |
| 5°     | 674.4 | 678.4 | 679.4 | 683.2 | 686.0 | 685.1 | 685.5 |
| 7.5°   | 710.9 | 717.4 | 723.9 | 726.8 | 727.3 | 729.0 | 729.6 |
| 10°    | 733.3 | 738.7 | 748.7 | 747.2 | 754.7 | 759.0 | 752.0 |
| 12.5°  | 754.9 | 762.1 | 769.1 | 771.0 | 775.2 | 776.7 | 773.8 |
| 15°    | 774.4 | 778.3 | 778.6 | 777.6 | 778.9 | 777.8 | 773.7 |
| 17.5°  | 756.2 | 749.9 | 737.3 | 731.2 | 726.5 | 719.4 | 716.6 |
| 20°    | 726.0 | 707.6 | 686.2 | 677.6 | 667.6 | 647.9 | 652.6 |
| 22.5°  | 660.9 | 640.0 | 618.5 | 593.5 | 581.5 | 562.9 | 561.8 |
| 25°    | 559.7 | 523.5 | 483.6 | 455.8 | 439.5 | 420.9 | 412.7 |
| 27.5°  | 435.2 | 389.6 | 356.9 | 340.4 | 325.4 | 310.7 | 310.0 |
| 30°    | 353.3 | 319.1 | 293.8 | 279.7 | 270.4 | 264.2 | 265.5 |
| 32.5°  | 297.7 | 274.3 | 257.2 | 245.5 | 238.7 | 234.0 | 233.9 |
| 35°    | 243.5 | 227.3 | 216.4 | 211.5 | 206.6 | 203.2 | 203.4 |
| 37.5°  | 208.3 | 198.7 | 192.6 | 187.2 | 184.1 | 182.4 | 181.4 |
| 40°    | 190.3 | 182.4 | 177.7 | 174.5 | 171.9 | 169.6 | 169.1 |
| 42.5°  | 176.2 | 169.6 | 164.9 | 162.3 | 159.9 | 158.3 | 157.9 |
| 45°    | 156.3 | 150.9 | 146.7 | 143.8 | 142.8 | 141.3 | 141.3 |
| 47.5°  | 139.0 | 133.7 | 130.4 | 128.7 | 126.9 | 125.8 | 125.8 |
| 50°    | 127.4 | 123.3 | 120.4 | 119.2 | 117.7 | 117.2 | 116.9 |
| 52.5°  | 117.0 | 113.9 | 111.8 | 111.0 | 110.4 | 109.6 | 109.7 |
| 55°    | 102.7 | 101.0 | 100.2 | 99.5  | 98.5  | 97.2  | 98.0  |
| 57.5°  | 90.9  | 89.4  | 87.1  | 85.0  | 84.1  | 83.1  | 83.5  |
| 60°    | 82.5  | 79.5  | 76.4  | 74.1  | 73.4  | 71.5  | 71.5  |
| 62.5°  | 71.8  | 67.6  | 63.9  | 62.6  | 61.9  | 61.1  | 60.9  |
| 65°    | 55.2  | 53.5  | 52.7  | 51.8  | 51.4  | 51.4  | 51.0  |
| 67.5°  | 45.8  | 45.1  | 44.1  | 43.9  | 43.5  | 43.4  | 43.3  |
| 70°    | 40.4  | 39.6  | 39.2  | 38.9  | 38.5  | 38.7  | 38.1  |
| 72.5°  | 35.3  | 34.7  | 34.6  | 34.0  | 33.7  | 33.7  | 33.3  |
| 75°    | 27.8  | 27.8  | 27.6  | 27.4  | 27.0  | 26.8  | 27.0  |
| 77.5°  | 21.4  | 21.5  | 21.1  | 21.0  | 21.0  | 21.0  | 20.8  |
| 80°    | 17.2  | 17.3  | 17.2  | 16.9  | 16.7  | 16.9  | 16.7  |
| 82.5°  | 13.6  | 13.2  | 13.2  | 13.1  | 13.1  | 13.0  | 12.9  |
| 85°    | 7.7   | 7.9   | 7.7   | 7.5   | 7.5   | 7.5   | 7.7   |
| 87.5°  | 7.9   | 7.8   | 7.8   | 7.8   | 7.8   | 7.9   | 7.7   |
| 90°    | 24.8  | 24.5  | 24.4  | 24.6  | 24.7  | 24.9  | 25.1  |
| 92.5°  | 23.7  | 23.7  | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  |
| 95°    | 47.1  | 47.1  | 47.0  | 46.7  | 46.4  | 46.0  | 45.7  |
| 97.5°  | 79.3  | 79.3  | 79.3  | 79.3  | 79.2  | 79.2  | 79.1  |
| 100°   | 101.7 | 101.7 | 101.6 | 101.4 | 101.2 | 101.1 | 100.9 |
| 102.5° | 126.2 | 126.4 | 126.3 | 126.2 | 126.0 | 125.8 | 125.6 |
| 105°   | 163.1 | 163.4 | 163.5 | 163.5 | 163.5 | 163.5 | 163.5 |
| 107.5° | 202.4 | 202.6 | 202.3 | 201.5 | 200.8 | 200.0 | 199.3 |
| 110°   | 229.1 | 229.1 | 228.8 | 228.4 | 227.9 | 227.4 | 226.9 |



TEST NUMBER: P331628-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 255.6 | 255.2 | 254.9 | 254.5 | 254.1 | 253.8 | 253.4 |
| 115°   | 297.2 | 297.0 | 296.6 | 296.1 | 295.7 | 295.2 | 294.7 |
| 117.5° | 336.9 | 336.4 | 336.0 | 335.5 | 335.0 | 334.5 | 334.0 |
| 120°   | 363.9 | 363.9 | 363.7 | 363.2 | 362.7 | 362.2 | 361.7 |
| 122.5° | 391.1 | 390.7 | 390.3 | 389.9 | 389.6 | 389.2 | 388.9 |
| 125°   | 431.7 | 431.2 | 430.9 | 430.7 | 430.6 | 430.5 | 430.3 |
| 127.5° | 471.2 | 470.6 | 470.0 | 469.6 | 469.0 | 468.5 | 468.0 |
| 130°   | 498.5 | 498.2 | 497.7 | 497.0 | 496.4 | 495.8 | 495.1 |
| 132.5° | 524.4 | 523.8 | 523.1 | 522.5 | 522.1 | 521.5 | 521.0 |
| 135°   | 563.8 | 563.6 | 563.4 | 562.9 | 562.4 | 561.8 | 561.4 |
| 137.5° | 601.1 | 601.0 | 600.6 | 599.9 | 599.3 | 598.6 | 597.9 |
| 140°   | 626.2 | 626.2 | 625.8 | 625.3 | 624.6 | 624.0 | 623.3 |
| 142.5° | 649.0 | 649.1 | 648.8 | 648.2 | 647.5 | 647.0 | 646.3 |
| 145°   | 683.4 | 683.6 | 683.3 | 682.7 | 682.0 | 681.4 | 680.7 |
| 147.5° | 713.8 | 714.2 | 714.1 | 713.4 | 712.8 | 712.2 | 711.5 |
| 150°   | 733.0 | 733.6 | 733.6 | 733.0 | 732.5 | 732.1 | 731.6 |
| 152.5° | 752.3 | 752.9 | 752.9 | 752.3 | 751.7 | 751.0 | 750.5 |
| 155°   | 776.7 | 777.6 | 777.8 | 777.2 | 776.7 | 776.3 | 775.8 |
| 157.5° | 799.5 | 800.6 | 800.7 | 799.9 | 799.2 | 798.3 | 797.6 |
| 160°   | 812.7 | 813.6 | 813.8 | 813.1 | 812.5 | 811.8 | 811.2 |
| 162.5° | 824.8 | 826.0 | 826.0 | 825.3 | 824.5 | 823.7 | 822.9 |
| 165°   | 840.4 | 841.5 | 841.7 | 840.8 | 840.0 | 839.2 | 838.4 |
| 167.5° | 853.2 | 854.3 | 854.5 | 853.7 | 852.8 | 852.0 | 851.1 |
| 170°   | 860.3 | 861.4 | 861.5 | 860.5 | 859.5 | 858.6 | 857.5 |
| 172.5° | 865.5 | 866.7 | 866.8 | 865.8 | 864.8 | 863.8 | 862.9 |
| 175°   | 871.3 | 872.4 | 872.5 | 871.6 | 870.5 | 869.6 | 868.6 |
| 177.5° | 873.6 | 874.4 | 874.4 | 873.6 | 872.8 | 872.0 | 871.3 |
| 180°   | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 | 873.0 |

(END OF REPORT)