

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: P331622-830

Luminaire Tested: **S122RDIP-S290D530U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331622-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-S290D530U830-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 530 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2848.4 lumens  
Efficiency: N/A  
Efficacy: 111.3 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

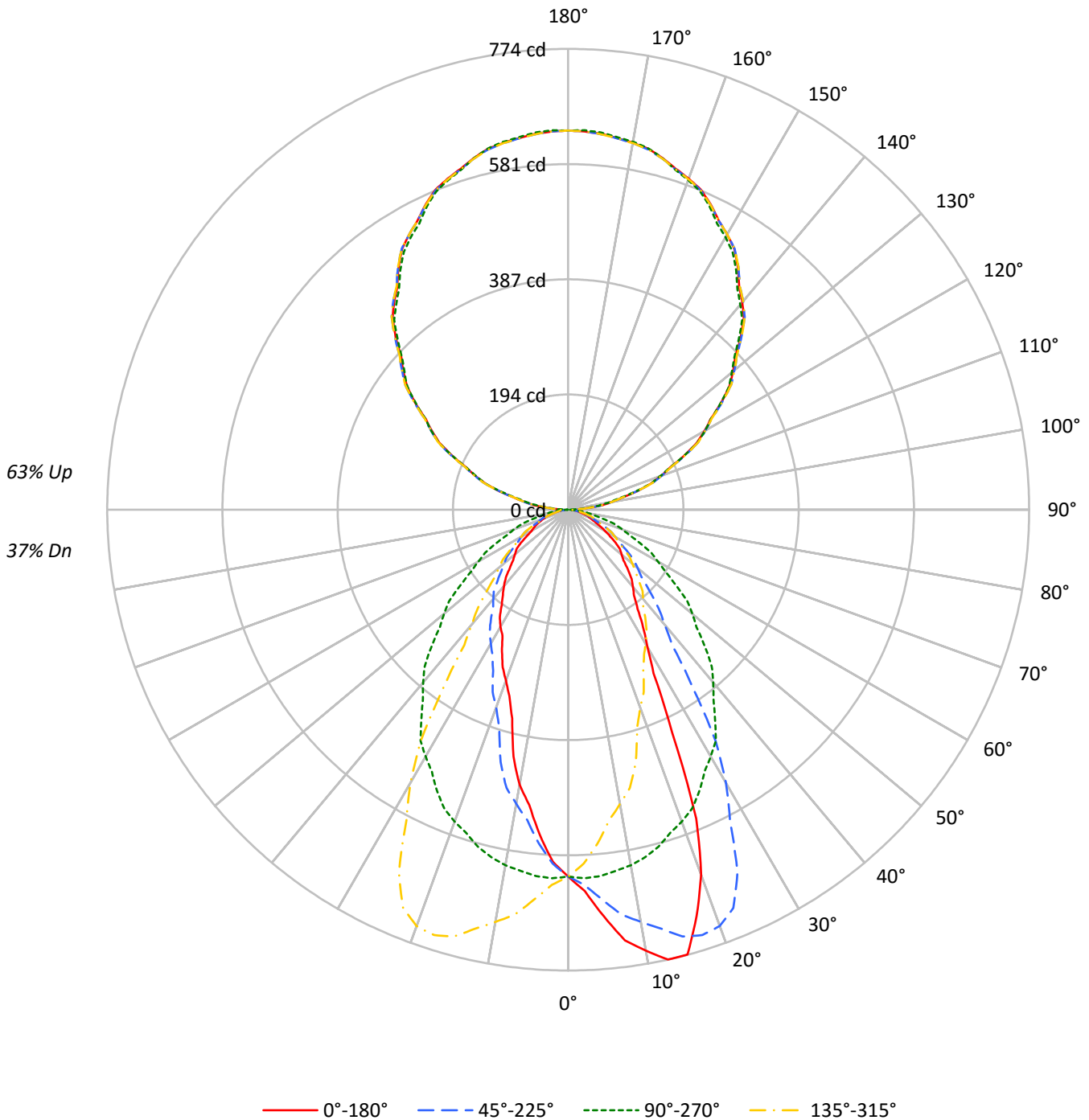
Input Watts (W): 25.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-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   | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 | 37 |
| 1   | 96  | 91  | 88  | 85  | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 53 | 52 | 51 | 40 | 39 | 39 | 33 |
| 2   | 87  | 81  | 75  | 70  | 79 | 73 | 69 | 64 | 60 | 57 | 54 | 48 | 45 | 43 | 36 | 35 | 34 | 28 |
| 3   | 80  | 71  | 65  | 59  | 73 | 65 | 59 | 55 | 53 | 49 | 46 | 43 | 40 | 37 | 33 | 31 | 29 | 25 |
| 4   | 74  | 64  | 56  | 51  | 67 | 58 | 52 | 47 | 48 | 43 | 40 | 38 | 35 | 33 | 30 | 28 | 26 | 22 |
| 5   | 68  | 57  | 49  | 44  | 61 | 52 | 46 | 41 | 43 | 38 | 35 | 35 | 31 | 29 | 27 | 25 | 23 | 19 |
| 6   | 63  | 51  | 44  | 38  | 57 | 47 | 40 | 36 | 39 | 34 | 30 | 32 | 28 | 25 | 25 | 22 | 21 | 17 |
| 7   | 58  | 46  | 39  | 34  | 53 | 43 | 36 | 31 | 36 | 31 | 27 | 29 | 25 | 23 | 23 | 20 | 19 | 16 |
| 8   | 54  | 42  | 35  | 30  | 49 | 39 | 33 | 28 | 33 | 28 | 24 | 27 | 23 | 21 | 21 | 19 | 17 | 14 |
| 9   | 50  | 39  | 32  | 27  | 46 | 36 | 29 | 25 | 30 | 25 | 22 | 25 | 21 | 19 | 20 | 17 | 15 | 13 |
| 10  | 47  | 36  | 29  | 24  | 43 | 33 | 27 | 23 | 28 | 23 | 20 | 23 | 19 | 17 | 18 | 16 | 14 | 12 |

**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: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-UDD-A1

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.4   | 2.1       |
| 10°-20°   | 162.8  | 5.7       |
| 20°-30°   | 209.7  | 7.4       |
| 30°-40°   | 199.3  | 7.0       |
| 40°-50°   | 170.7  | 6.0       |
| 50°-60°   | 130.0  | 4.6       |
| 60°-70°   | 82.2   | 2.9       |
| 70°-80°   | 41.0   | 1.4       |
| 80°-90°   | 13.2   | 0.5       |
| 90°-100°  | 40.4   | 1.4       |
| 100°-110° | 125.3  | 4.4       |
| 110°-120° | 214.3  | 7.5       |
| 120°-130° | 281.8  | 9.9       |
| 130°-140° | 316.2  | 11.1      |
| 140°-150° | 310.1  | 10.9      |
| 150°-160° | 260.1  | 9.1       |
| 160°-170° | 172.5  | 6.1       |
| 170°-180° | 60.3   | 2.1       |
| 0°-30°    | 430.9  | 15.1      |
| 0°-40°    | 630.2  | 22.1      |
| 0°-60°    | 931.0  | 32.7      |
| 0°-90°    | 1067.4 | 37.5      |
| 90°-120°  | 380.0  | 13.3      |
| 90°-150°  | 1288.0 | 45.2      |
| 90°-180°  | 1781.0 | 62.5      |
| 0°-180°   | 2848.4 | 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°  | 18  | 1   | 18   | 1    | 18   | 8    |
| 95°  | 33  | 28  | 33   | 28   | 33   | 37   |
| 105° | 119 | 116 | 119  | 116  | 119  | 125  |
| 115° | 215 | 215 | 215  | 215  | 215  | 212  |
| 125° | 314 | 313 | 314  | 313  | 314  | 280  |
| 135° | 410 | 405 | 410  | 405  | 410  | 315  |
| 145° | 497 | 491 | 497  | 491  | 497  | 310  |
| 155° | 566 | 562 | 566  | 562  | 566  | 260  |
| 165° | 612 | 611 | 612  | 611  | 612  | 172  |
| 175° | 634 | 636 | 634  | 636  | 634  | 60   |
| 180° | 637 | 637 | 637  | 637  | 637  |      |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-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°  | 6.4   | 6.5   | 6.5   | 6.5   | 6.5   | 6.5   | 6.5   | 6.8   | 6.6   | 6.9   | 6.1   |
| 90°    | 18.3  | 18.2  | 18.0  | 17.9  | 17.8  | 17.8  | 18.1  | 18.4  | 18.6  | 18.9  | 16.2  |
| 92.5°  | 17.4  | 17.4  | 17.3  | 17.3  | 17.3  | 17.2  | 17.2  | 17.2  | 17.2  | 17.1  | 16.5  |
| 95°    | 33.4  | 33.6  | 33.8  | 34.0  | 34.3  | 34.4  | 34.4  | 34.4  | 34.4  | 34.4  | 34.1  |
| 97.5°  | 57.7  | 57.8  | 57.8  | 57.8  | 57.8  | 57.9  | 57.9  | 57.9  | 57.9  | 57.9  | 57.4  |
| 100°   | 73.6  | 73.8  | 73.9  | 74.0  | 74.1  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 73.8  |
| 102.5° | 91.7  | 91.8  | 91.9  | 92.1  | 92.2  | 92.2  | 92.1  | 92.0  | 91.9  | 91.8  | 91.3  |
| 105°   | 119.3 | 119.3 | 119.3 | 119.3 | 119.3 | 119.2 | 118.9 | 118.8 | 118.5 | 118.3 | 118.0 |
| 107.5° | 145.3 | 145.9 | 146.5 | 146.9 | 147.5 | 147.8 | 147.7 | 147.6 | 147.5 | 147.4 | 147.4 |
| 110°   | 165.5 | 165.9 | 166.3 | 166.6 | 167.0 | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 184.9 | 185.1 | 185.4 | 185.7 | 186.0 | 186.2 | 186.5 | 186.8 | 187.1 | 187.4 | 187.5 |
| 115°   | 215.0 | 215.4 | 215.7 | 216.0 | 216.4 | 216.7 | 216.8 | 216.9 | 217.1 | 217.2 | 217.4 |
| 117.5° | 243.6 | 244.0 | 244.4 | 244.8 | 245.2 | 245.4 | 245.7 | 246.0 | 246.3 | 246.6 | 247.2 |
| 120°   | 263.9 | 264.3 | 264.7 | 264.9 | 265.3 | 265.5 | 265.5 | 265.5 | 265.5 | 265.5 | 266.5 |
| 122.5° | 283.7 | 284.0 | 284.2 | 284.5 | 284.7 | 285.0 | 285.3 | 285.6 | 285.9 | 286.2 | 286.8 |
| 125°   | 313.9 | 314.0 | 314.1 | 314.2 | 314.3 | 314.6 | 315.0 | 315.3 | 315.7 | 316.0 | 316.4 |
| 127.5° | 341.4 | 341.8 | 342.1 | 342.5 | 342.9 | 343.4 | 343.7 | 344.2 | 344.6 | 345.1 | 345.5 |
| 130°   | 361.2 | 361.7 | 362.1 | 362.6 | 363.1 | 363.4 | 363.7 | 363.9 | 364.2 | 364.4 | 364.7 |
| 132.5° | 380.1 | 380.5 | 380.9 | 381.3 | 381.6 | 382.1 | 382.6 | 383.1 | 383.7 | 384.2 | 384.2 |
| 135°   | 409.5 | 409.9 | 410.3 | 410.7 | 410.9 | 411.2 | 411.3 | 411.5 | 411.6 | 411.7 | 411.5 |
| 137.5° | 436.2 | 436.7 | 437.2 | 437.6 | 438.1 | 438.4 | 438.5 | 438.6 | 438.7 | 438.8 | 438.5 |
| 140°   | 454.7 | 455.2 | 455.6 | 456.1 | 456.7 | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 | 456.3 |
| 142.5° | 471.5 | 471.9 | 472.4 | 472.9 | 473.3 | 473.5 | 473.4 | 473.3 | 473.3 | 473.2 | 472.8 |
| 145°   | 496.6 | 497.1 | 497.6 | 498.0 | 498.5 | 498.7 | 498.6 | 498.5 | 498.3 | 498.2 | 497.6 |
| 147.5° | 519.1 | 519.5 | 520.0 | 520.5 | 520.9 | 521.0 | 520.8 | 520.5 | 520.2 | 520.0 | 519.4 |
| 150°   | 533.8 | 534.0 | 534.4 | 534.8 | 535.2 | 535.2 | 534.8 | 534.4 | 534.0 | 533.8 | 533.2 |
| 152.5° | 547.5 | 547.9 | 548.4 | 548.8 | 549.3 | 549.3 | 548.8 | 548.4 | 547.9 | 547.5 | 546.9 |
| 155°   | 566.0 | 566.3 | 566.7 | 567.0 | 567.4 | 567.3 | 566.7 | 566.1 | 565.5 | 564.9 | 564.5 |
| 157.5° | 581.8 | 582.5 | 583.1 | 583.6 | 584.2 | 584.1 | 583.2 | 582.4 | 581.6 | 580.8 | 580.6 |
| 160°   | 591.7 | 592.2 | 592.8 | 593.2 | 593.7 | 593.5 | 592.9 | 592.1 | 591.4 | 590.7 | 590.6 |
| 162.5° | 600.4 | 601.0 | 601.5 | 602.1 | 602.7 | 602.6 | 601.7 | 600.9 | 600.1 | 599.3 | 599.2 |
| 165°   | 611.6 | 612.3 | 612.8 | 613.4 | 614.1 | 613.9 | 613.1 | 612.3 | 611.4 | 610.6 | 610.6 |
| 167.5° | 620.9 | 621.5 | 622.2 | 622.7 | 623.4 | 623.3 | 622.5 | 621.6 | 620.8 | 619.9 | 619.9 |
| 170°   | 625.7 | 626.3 | 627.1 | 627.7 | 628.5 | 628.4 | 627.6 | 626.8 | 625.9 | 625.1 | 625.2 |
| 172.5° | 629.5 | 630.2 | 630.9 | 631.7 | 632.4 | 632.3 | 631.5 | 630.7 | 629.8 | 629.0 | 629.1 |
| 175°   | 633.7 | 634.4 | 635.1 | 635.8 | 636.6 | 636.5 | 635.7 | 634.8 | 634.0 | 633.1 | 633.4 |
| 177.5° | 635.7 | 636.2 | 636.8 | 637.3 | 637.9 | 637.9 | 637.3 | 636.8 | 636.2 | 635.7 | 635.8 |
| 180°   | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-UDD-A1

**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°  | 5.7   | 5.3   | 4.7   | 4.1   | 4.1   | 4.0   | 4.5   | 5.1   | 4.7   | 4.4   | 4.4   |
| 90°    | 13.6  | 10.9  | 8.3   | 6.3   | 4.8   | 3.4   | 2.0   | 0.6   | 2.0   | 3.4   | 4.8   |
| 92.5°  | 15.8  | 15.3  | 14.6  | 13.8  | 12.7  | 11.7  | 10.7  | 9.6   | 10.7  | 11.7  | 12.7  |
| 95°    | 33.9  | 33.6  | 33.5  | 32.7  | 31.6  | 30.3  | 29.1  | 28.0  | 29.1  | 30.3  | 31.6  |
| 97.5°  | 56.9  | 56.5  | 56.0  | 55.2  | 54.2  | 53.2  | 52.1  | 51.1  | 52.1  | 53.2  | 54.2  |
| 100°   | 73.4  | 73.1  | 72.8  | 72.1  | 71.2  | 70.1  | 69.2  | 68.2  | 69.2  | 70.1  | 71.2  |
| 102.5° | 90.9  | 90.5  | 90.0  | 89.4  | 88.6  | 87.8  | 87.1  | 86.3  | 87.1  | 87.8  | 88.6  |
| 105°   | 117.7 | 117.5 | 117.3 | 117.0 | 116.6 | 116.3 | 115.9 | 115.6 | 115.9 | 116.3 | 116.6 |
| 107.5° | 147.4 | 147.4 | 147.4 | 147.1 | 146.6 | 146.1 | 145.5 | 145.1 | 145.5 | 146.1 | 146.6 |
| 110°   | 167.1 | 167.1 | 167.1 | 166.8 | 166.1 | 165.3 | 164.7 | 163.9 | 164.7 | 165.3 | 166.1 |





TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 187.6 | 187.7 | 187.8 | 187.5 | 186.7 | 186.0 | 185.3 | 184.5 | 185.3 | 186.0 | 186.7 |
| 115°   | 217.6 | 217.8 | 218.1 | 217.8 | 217.2 | 216.4 | 215.7 | 215.0 | 215.7 | 216.4 | 217.2 |
| 117.5° | 247.9 | 248.6 | 249.3 | 249.1 | 248.2 | 247.2 | 246.3 | 245.3 | 246.3 | 247.2 | 248.2 |
| 120°   | 267.4 | 268.3 | 269.4 | 269.4 | 268.3 | 267.4 | 266.5 | 265.5 | 266.5 | 267.4 | 268.3 |
| 122.5° | 287.5 | 288.1 | 288.8 | 288.6 | 287.5 | 286.3 | 285.1 | 284.0 | 285.1 | 286.3 | 287.5 |
| 125°   | 316.8 | 317.1 | 317.4 | 317.1 | 316.0 | 315.0 | 313.9 | 312.8 | 313.9 | 315.0 | 316.0 |
| 127.5° | 345.9 | 346.4 | 346.8 | 346.3 | 345.0 | 343.6 | 342.2 | 340.8 | 342.2 | 343.6 | 345.0 |
| 130°   | 364.9 | 365.1 | 365.3 | 364.7 | 363.2 | 361.6 | 360.1 | 358.5 | 360.1 | 361.6 | 363.2 |
| 132.5° | 384.1 | 384.1 | 384.0 | 383.3 | 382.1 | 380.8 | 379.6 | 378.2 | 379.6 | 380.8 | 382.1 |
| 135°   | 411.2 | 410.9 | 410.8 | 410.0 | 408.7 | 407.4 | 406.0 | 404.7 | 406.0 | 407.4 | 408.7 |
| 137.5° | 438.2 | 437.9 | 437.5 | 436.9 | 435.8 | 434.7 | 433.7 | 432.5 | 433.7 | 434.7 | 435.8 |
| 140°   | 455.6 | 455.1 | 454.5 | 453.6 | 452.5 | 451.5 | 450.4 | 449.3 | 450.4 | 451.5 | 452.5 |
| 142.5° | 472.4 | 472.0 | 471.6 | 470.8 | 469.8 | 468.7 | 467.6 | 466.6 | 467.6 | 468.7 | 469.8 |
| 145°   | 496.8 | 496.1 | 495.4 | 494.6 | 493.8 | 492.9 | 492.1 | 491.3 | 492.1 | 492.9 | 493.8 |
| 147.5° | 519.0 | 518.5 | 518.0 | 517.3 | 516.3 | 515.3 | 514.3 | 513.3 | 514.3 | 515.3 | 516.3 |
| 150°   | 532.7 | 532.3 | 531.8 | 531.2 | 530.5 | 529.8 | 529.0 | 528.4 | 529.0 | 529.8 | 530.5 |
| 152.5° | 546.3 | 545.7 | 545.2 | 544.5 | 543.8 | 543.1 | 542.4 | 541.7 | 542.4 | 543.1 | 543.8 |
| 155°   | 564.2 | 563.8 | 563.5 | 563.1 | 562.7 | 562.4 | 562.0 | 561.7 | 562.0 | 562.4 | 562.7 |
| 157.5° | 580.4 | 580.1 | 579.9 | 579.8 | 579.5 | 579.2 | 579.0 | 578.7 | 579.0 | 579.2 | 579.5 |
| 160°   | 590.4 | 590.3 | 590.2 | 590.0 | 589.7 | 589.6 | 589.3 | 589.1 | 589.3 | 589.6 | 589.7 |
| 162.5° | 599.1 | 598.9 | 598.8 | 598.7 | 598.7 | 598.6 | 598.6 | 598.5 | 598.6 | 598.6 | 598.7 |
| 165°   | 610.6 | 610.6 | 610.6 | 610.7 | 610.8 | 610.9 | 611.0 | 611.1 | 611.0 | 610.9 | 610.8 |
| 167.5° | 620.0 | 620.0 | 620.0 | 620.2 | 620.6 | 620.9 | 621.3 | 621.6 | 621.3 | 620.9 | 620.6 |
| 170°   | 625.3 | 625.5 | 625.6 | 625.8 | 626.1 | 626.5 | 626.9 | 627.3 | 626.9 | 626.5 | 626.1 |
| 172.5° | 629.2 | 629.3 | 629.4 | 629.7 | 630.0 | 630.4 | 630.7 | 631.1 | 630.7 | 630.4 | 630.0 |
| 175°   | 633.7 | 633.9 | 634.1 | 634.4 | 634.8 | 635.1 | 635.5 | 635.8 | 635.5 | 635.1 | 634.8 |
| 177.5° | 636.0 | 636.2 | 636.4 | 636.6 | 636.9 | 637.2 | 637.4 | 637.8 | 637.4 | 637.2 | 636.9 |
| 180°   | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-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°  | 4.5   | 4.7   | 4.9   | 5.5   | 5.9   | 6.3   | 6.3   | 6.0   | 6.0   | 5.9   | 5.7   |
| 90°    | 6.3   | 8.3   | 10.9  | 13.6  | 16.2  | 18.9  | 18.6  | 18.4  | 18.1  | 17.8  | 17.8  |
| 92.5°  | 13.8  | 14.6  | 15.3  | 15.8  | 16.5  | 17.1  | 17.2  | 17.2  | 17.2  | 17.2  | 17.3  |
| 95°    | 32.7  | 33.5  | 33.6  | 33.9  | 34.1  | 34.4  | 34.4  | 34.4  | 34.4  | 34.4  | 34.3  |
| 97.5°  | 55.2  | 56.0  | 56.5  | 56.9  | 57.4  | 57.9  | 57.9  | 57.9  | 57.9  | 57.9  | 57.8  |
| 100°   | 72.1  | 72.8  | 73.1  | 73.4  | 73.8  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.1  |
| 102.5° | 89.4  | 90.0  | 90.5  | 90.9  | 91.3  | 91.8  | 91.9  | 92.0  | 92.1  | 92.2  | 92.2  |
| 105°   | 117.0 | 117.3 | 117.5 | 117.7 | 118.0 | 118.3 | 118.5 | 118.8 | 118.9 | 119.2 | 119.3 |
| 107.5° | 147.1 | 147.4 | 147.4 | 147.4 | 147.4 | 147.4 | 147.5 | 147.6 | 147.7 | 147.8 | 147.5 |
| 110°   | 166.8 | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 | 167.0 |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 187.5 | 187.8 | 187.7 | 187.6 | 187.5 | 187.4 | 187.1 | 186.8 | 186.5 | 186.2 | 186.0 |
| 115°   | 217.8 | 218.1 | 217.8 | 217.6 | 217.4 | 217.2 | 217.1 | 216.9 | 216.8 | 216.7 | 216.4 |
| 117.5° | 249.1 | 249.3 | 248.6 | 247.9 | 247.2 | 246.6 | 246.3 | 246.0 | 245.7 | 245.4 | 245.2 |
| 120°   | 269.4 | 269.4 | 268.3 | 267.4 | 266.5 | 265.5 | 265.5 | 265.5 | 265.5 | 265.5 | 265.3 |
| 122.5° | 288.6 | 288.8 | 288.1 | 287.5 | 286.8 | 286.2 | 285.9 | 285.6 | 285.3 | 285.0 | 284.7 |
| 125°   | 317.1 | 317.4 | 317.1 | 316.8 | 316.4 | 316.0 | 315.7 | 315.3 | 315.0 | 314.6 | 314.3 |
| 127.5° | 346.3 | 346.8 | 346.4 | 345.9 | 345.5 | 345.1 | 344.6 | 344.2 | 343.7 | 343.4 | 342.9 |
| 130°   | 364.7 | 365.3 | 365.1 | 364.9 | 364.7 | 364.4 | 364.2 | 363.9 | 363.7 | 363.4 | 363.1 |
| 132.5° | 383.3 | 384.0 | 384.1 | 384.1 | 384.2 | 384.2 | 383.7 | 383.1 | 382.6 | 382.1 | 381.6 |
| 135°   | 410.0 | 410.8 | 410.9 | 411.2 | 411.5 | 411.7 | 411.6 | 411.5 | 411.3 | 411.2 | 410.9 |
| 137.5° | 436.9 | 437.5 | 437.9 | 438.2 | 438.5 | 438.8 | 438.7 | 438.6 | 438.5 | 438.4 | 438.1 |
| 140°   | 453.6 | 454.5 | 455.1 | 455.6 | 456.3 | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 | 456.7 |
| 142.5° | 470.8 | 471.6 | 472.0 | 472.4 | 472.8 | 473.2 | 473.3 | 473.3 | 473.4 | 473.5 | 473.3 |
| 145°   | 494.6 | 495.4 | 496.1 | 496.8 | 497.6 | 498.2 | 498.3 | 498.5 | 498.6 | 498.7 | 498.5 |
| 147.5° | 517.3 | 518.0 | 518.5 | 519.0 | 519.4 | 520.0 | 520.2 | 520.5 | 520.8 | 521.0 | 520.9 |
| 150°   | 531.2 | 531.8 | 532.3 | 532.7 | 533.2 | 533.8 | 534.0 | 534.4 | 534.8 | 535.2 | 535.2 |
| 152.5° | 544.5 | 545.2 | 545.7 | 546.3 | 546.9 | 547.5 | 547.9 | 548.4 | 548.8 | 549.3 | 549.3 |
| 155°   | 563.1 | 563.5 | 563.8 | 564.2 | 564.5 | 564.9 | 565.5 | 566.1 | 566.7 | 567.3 | 567.4 |
| 157.5° | 579.8 | 579.9 | 580.1 | 580.4 | 580.6 | 580.8 | 581.6 | 582.4 | 583.2 | 584.1 | 584.2 |
| 160°   | 590.0 | 590.2 | 590.3 | 590.4 | 590.6 | 590.7 | 591.4 | 592.1 | 592.9 | 593.5 | 593.7 |
| 162.5° | 598.7 | 598.8 | 598.9 | 599.1 | 599.2 | 599.3 | 600.1 | 600.9 | 601.7 | 602.6 | 602.7 |
| 165°   | 610.7 | 610.6 | 610.6 | 610.6 | 610.6 | 610.6 | 611.4 | 612.3 | 613.1 | 613.9 | 614.1 |
| 167.5° | 620.2 | 620.0 | 620.0 | 620.0 | 619.9 | 619.9 | 620.8 | 621.6 | 622.5 | 623.3 | 623.4 |
| 170°   | 625.8 | 625.6 | 625.5 | 625.3 | 625.2 | 625.1 | 625.9 | 626.8 | 627.6 | 628.4 | 628.5 |
| 172.5° | 629.7 | 629.4 | 629.3 | 629.2 | 629.1 | 629.0 | 629.8 | 630.7 | 631.5 | 632.3 | 632.4 |
| 175°   | 634.4 | 634.1 | 633.9 | 633.7 | 633.4 | 633.1 | 634.0 | 634.8 | 635.7 | 636.5 | 636.6 |
| 177.5° | 636.6 | 636.4 | 636.2 | 636.0 | 635.8 | 635.7 | 636.2 | 636.8 | 637.3 | 637.9 | 637.9 |
| 180°   | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-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°  | 5.8   | 5.7   | 5.8   | 5.7   | 5.8   | 5.7   | 5.8   | 5.7   | 5.9   | 6.0   | 6.0   |
| 90°    | 17.9  | 18.0  | 18.2  | 18.3  | 18.2  | 18.0  | 17.9  | 17.8  | 17.8  | 18.1  | 18.4  |
| 92.5°  | 17.3  | 17.3  | 17.4  | 17.4  | 17.4  | 17.3  | 17.3  | 17.3  | 17.2  | 17.2  | 17.2  |
| 95°    | 34.0  | 33.8  | 33.6  | 33.4  | 33.6  | 33.8  | 34.0  | 34.3  | 34.4  | 34.4  | 34.4  |
| 97.5°  | 57.8  | 57.8  | 57.8  | 57.7  | 57.8  | 57.8  | 57.8  | 57.8  | 57.9  | 57.9  | 57.9  |
| 100°   | 74.0  | 73.9  | 73.8  | 73.6  | 73.8  | 73.9  | 74.0  | 74.1  | 74.2  | 74.2  | 74.2  |
| 102.5° | 92.1  | 91.9  | 91.8  | 91.7  | 91.8  | 91.9  | 92.1  | 92.2  | 92.2  | 92.1  | 92.0  |
| 105°   | 119.3 | 119.3 | 119.3 | 119.3 | 119.3 | 119.3 | 119.3 | 119.3 | 119.2 | 118.9 | 118.8 |
| 107.5° | 146.9 | 146.5 | 145.9 | 145.3 | 145.9 | 146.5 | 146.9 | 147.5 | 147.8 | 147.7 | 147.6 |
| 110°   | 166.6 | 166.3 | 165.9 | 165.5 | 165.9 | 166.3 | 166.6 | 167.0 | 167.1 | 167.1 | 167.1 |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 185.7 | 185.4 | 185.1 | 184.9 | 185.1 | 185.4 | 185.7 | 186.0 | 186.2 | 186.5 | 186.8 |
| 115°   | 216.0 | 215.7 | 215.4 | 215.0 | 215.4 | 215.7 | 216.0 | 216.4 | 216.7 | 216.8 | 216.9 |
| 117.5° | 244.8 | 244.4 | 244.0 | 243.6 | 244.0 | 244.4 | 244.8 | 245.2 | 245.4 | 245.7 | 246.0 |
| 120°   | 264.9 | 264.7 | 264.3 | 263.9 | 264.3 | 264.7 | 264.9 | 265.3 | 265.5 | 265.5 | 265.5 |
| 122.5° | 284.5 | 284.2 | 284.0 | 283.7 | 284.0 | 284.2 | 284.5 | 284.7 | 285.0 | 285.3 | 285.6 |
| 125°   | 314.2 | 314.1 | 314.0 | 313.9 | 314.0 | 314.1 | 314.2 | 314.3 | 314.6 | 315.0 | 315.3 |
| 127.5° | 342.5 | 342.1 | 341.8 | 341.4 | 341.8 | 342.1 | 342.5 | 342.9 | 343.4 | 343.7 | 344.2 |
| 130°   | 362.6 | 362.1 | 361.7 | 361.2 | 361.7 | 362.1 | 362.6 | 363.1 | 363.4 | 363.7 | 363.9 |
| 132.5° | 381.3 | 380.9 | 380.5 | 380.1 | 380.5 | 380.9 | 381.3 | 381.6 | 382.1 | 382.6 | 383.1 |
| 135°   | 410.7 | 410.3 | 409.9 | 409.5 | 409.9 | 410.3 | 410.7 | 410.9 | 411.2 | 411.3 | 411.5 |
| 137.5° | 437.6 | 437.2 | 436.7 | 436.2 | 436.7 | 437.2 | 437.6 | 438.1 | 438.4 | 438.5 | 438.6 |
| 140°   | 456.1 | 455.6 | 455.2 | 454.7 | 455.2 | 455.6 | 456.1 | 456.7 | 456.9 | 456.9 | 456.9 |
| 142.5° | 472.9 | 472.4 | 471.9 | 471.5 | 471.9 | 472.4 | 472.9 | 473.3 | 473.5 | 473.4 | 473.3 |
| 145°   | 498.0 | 497.6 | 497.1 | 496.6 | 497.1 | 497.6 | 498.0 | 498.5 | 498.7 | 498.6 | 498.5 |
| 147.5° | 520.5 | 520.0 | 519.5 | 519.1 | 519.5 | 520.0 | 520.5 | 520.9 | 521.0 | 520.8 | 520.5 |
| 150°   | 534.8 | 534.4 | 534.0 | 533.8 | 534.0 | 534.4 | 534.8 | 535.2 | 535.2 | 534.8 | 534.4 |
| 152.5° | 548.8 | 548.4 | 547.9 | 547.5 | 547.9 | 548.4 | 548.8 | 549.3 | 549.3 | 548.8 | 548.4 |
| 155°   | 567.0 | 566.7 | 566.3 | 566.0 | 566.3 | 566.7 | 567.0 | 567.4 | 567.3 | 566.7 | 566.1 |
| 157.5° | 583.6 | 583.1 | 582.5 | 581.8 | 582.5 | 583.1 | 583.6 | 584.2 | 584.1 | 583.2 | 582.4 |
| 160°   | 593.2 | 592.8 | 592.2 | 591.7 | 592.2 | 592.8 | 593.2 | 593.7 | 593.5 | 592.9 | 592.1 |
| 162.5° | 602.1 | 601.5 | 601.0 | 600.4 | 601.0 | 601.5 | 602.1 | 602.7 | 602.6 | 601.7 | 600.9 |
| 165°   | 613.4 | 612.8 | 612.3 | 611.6 | 612.3 | 612.8 | 613.4 | 614.1 | 613.9 | 613.1 | 612.3 |
| 167.5° | 622.7 | 622.2 | 621.5 | 620.9 | 621.5 | 622.2 | 622.7 | 623.4 | 623.3 | 622.5 | 621.6 |
| 170°   | 627.7 | 627.1 | 626.3 | 625.7 | 626.3 | 627.1 | 627.7 | 628.5 | 628.4 | 627.6 | 626.8 |
| 172.5° | 631.7 | 630.9 | 630.2 | 629.5 | 630.2 | 630.9 | 631.7 | 632.4 | 632.3 | 631.5 | 630.7 |
| 175°   | 635.8 | 635.1 | 634.4 | 633.7 | 634.4 | 635.1 | 635.8 | 636.6 | 636.5 | 635.7 | 634.8 |
| 177.5° | 637.3 | 636.8 | 636.2 | 635.7 | 636.2 | 636.8 | 637.3 | 637.9 | 637.9 | 637.3 | 636.8 |
| 180°   | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-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°  | 6.3   | 6.3   | 5.9   | 5.5   | 4.9   | 4.7   | 4.5   | 4.4   | 4.4   | 4.7   | 5.1   |
| 90°    | 18.6  | 18.9  | 16.2  | 13.6  | 10.9  | 8.3   | 6.3   | 4.8   | 3.4   | 2.0   | 0.6   |
| 92.5°  | 17.2  | 17.1  | 16.5  | 15.8  | 15.3  | 14.6  | 13.8  | 12.7  | 11.7  | 10.7  | 9.6   |
| 95°    | 34.4  | 34.4  | 34.1  | 33.9  | 33.6  | 33.5  | 32.7  | 31.6  | 30.3  | 29.1  | 28.0  |
| 97.5°  | 57.9  | 57.9  | 57.4  | 56.9  | 56.5  | 56.0  | 55.2  | 54.2  | 53.2  | 52.1  | 51.1  |
| 100°   | 74.2  | 74.2  | 73.8  | 73.4  | 73.1  | 72.8  | 72.1  | 71.2  | 70.1  | 69.2  | 68.2  |
| 102.5° | 91.9  | 91.8  | 91.3  | 90.9  | 90.5  | 90.0  | 89.4  | 88.6  | 87.8  | 87.1  | 86.3  |
| 105°   | 118.5 | 118.3 | 118.0 | 117.7 | 117.5 | 117.3 | 117.0 | 116.6 | 116.3 | 115.9 | 115.6 |
| 107.5° | 147.5 | 147.4 | 147.4 | 147.4 | 147.4 | 147.4 | 147.1 | 146.6 | 146.1 | 145.5 | 145.1 |
| 110°   | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 | 166.8 | 166.1 | 165.3 | 164.7 | 163.9 |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 187.1 | 187.4 | 187.5 | 187.6 | 187.7 | 187.8 | 187.5 | 186.7 | 186.0 | 185.3 | 184.5 |
| 115°   | 217.1 | 217.2 | 217.4 | 217.6 | 217.8 | 218.1 | 217.8 | 217.2 | 216.4 | 215.7 | 215.0 |
| 117.5° | 246.3 | 246.6 | 247.2 | 247.9 | 248.6 | 249.3 | 249.1 | 248.2 | 247.2 | 246.3 | 245.3 |
| 120°   | 265.5 | 265.5 | 266.5 | 267.4 | 268.3 | 269.4 | 269.4 | 268.3 | 267.4 | 266.5 | 265.5 |
| 122.5° | 285.9 | 286.2 | 286.8 | 287.5 | 288.1 | 288.8 | 288.6 | 287.5 | 286.3 | 285.1 | 284.0 |
| 125°   | 315.7 | 316.0 | 316.4 | 316.8 | 317.1 | 317.4 | 317.1 | 316.0 | 315.0 | 313.9 | 312.8 |
| 127.5° | 344.6 | 345.1 | 345.5 | 345.9 | 346.4 | 346.8 | 346.3 | 345.0 | 343.6 | 342.2 | 340.8 |
| 130°   | 364.2 | 364.4 | 364.7 | 364.9 | 365.1 | 365.3 | 364.7 | 363.2 | 361.6 | 360.1 | 358.5 |
| 132.5° | 383.7 | 384.2 | 384.2 | 384.1 | 384.1 | 384.0 | 383.3 | 382.1 | 380.8 | 379.6 | 378.2 |
| 135°   | 411.6 | 411.7 | 411.5 | 411.2 | 410.9 | 410.8 | 410.0 | 408.7 | 407.4 | 406.0 | 404.7 |
| 137.5° | 438.7 | 438.8 | 438.5 | 438.2 | 437.9 | 437.5 | 436.9 | 435.8 | 434.7 | 433.7 | 432.5 |
| 140°   | 456.9 | 456.9 | 456.3 | 455.6 | 455.1 | 454.5 | 453.6 | 452.5 | 451.5 | 450.4 | 449.3 |
| 142.5° | 473.3 | 473.2 | 472.8 | 472.4 | 472.0 | 471.6 | 470.8 | 469.8 | 468.7 | 467.6 | 466.6 |
| 145°   | 498.3 | 498.2 | 497.6 | 496.8 | 496.1 | 495.4 | 494.6 | 493.8 | 492.9 | 492.1 | 491.3 |
| 147.5° | 520.2 | 520.0 | 519.4 | 519.0 | 518.5 | 518.0 | 517.3 | 516.3 | 515.3 | 514.3 | 513.3 |
| 150°   | 534.0 | 533.8 | 533.2 | 532.7 | 532.3 | 531.8 | 531.2 | 530.5 | 529.8 | 529.0 | 528.4 |
| 152.5° | 547.9 | 547.5 | 546.9 | 546.3 | 545.7 | 545.2 | 544.5 | 543.8 | 543.1 | 542.4 | 541.7 |
| 155°   | 565.5 | 564.9 | 564.5 | 564.2 | 563.8 | 563.5 | 563.1 | 562.7 | 562.4 | 562.0 | 561.7 |
| 157.5° | 581.6 | 580.8 | 580.6 | 580.4 | 580.1 | 579.9 | 579.8 | 579.5 | 579.2 | 579.0 | 578.7 |
| 160°   | 591.4 | 590.7 | 590.6 | 590.4 | 590.3 | 590.2 | 590.0 | 589.7 | 589.6 | 589.3 | 589.1 |
| 162.5° | 600.1 | 599.3 | 599.2 | 599.1 | 598.9 | 598.8 | 598.7 | 598.7 | 598.6 | 598.6 | 598.5 |
| 165°   | 611.4 | 610.6 | 610.6 | 610.6 | 610.6 | 610.6 | 610.7 | 610.8 | 610.9 | 611.0 | 611.1 |
| 167.5° | 620.8 | 619.9 | 619.9 | 620.0 | 620.0 | 620.0 | 620.2 | 620.6 | 620.9 | 621.3 | 621.6 |
| 170°   | 625.9 | 625.1 | 625.2 | 625.3 | 625.5 | 625.6 | 625.8 | 626.1 | 626.5 | 626.9 | 627.3 |
| 172.5° | 629.8 | 629.0 | 629.1 | 629.2 | 629.3 | 629.4 | 629.7 | 630.0 | 630.4 | 630.7 | 631.1 |
| 175°   | 634.0 | 633.1 | 633.4 | 633.7 | 633.9 | 634.1 | 634.4 | 634.8 | 635.1 | 635.5 | 635.8 |
| 177.5° | 636.2 | 635.7 | 635.8 | 636.0 | 636.2 | 636.4 | 636.6 | 636.9 | 637.2 | 637.4 | 637.8 |
| 180°   | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-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°  | 4.5   | 4.0   | 4.1   | 4.1   | 4.7   | 5.3   | 5.7   | 6.1   | 6.9   | 6.6   | 6.8   |
| 90°    | 2.0   | 3.4   | 4.8   | 6.3   | 8.3   | 10.9  | 13.6  | 16.2  | 18.9  | 18.6  | 18.4  |
| 92.5°  | 10.7  | 11.7  | 12.7  | 13.8  | 14.6  | 15.3  | 15.8  | 16.5  | 17.1  | 17.2  | 17.2  |
| 95°    | 29.1  | 30.3  | 31.6  | 32.7  | 33.5  | 33.6  | 33.9  | 34.1  | 34.4  | 34.4  | 34.4  |
| 97.5°  | 52.1  | 53.2  | 54.2  | 55.2  | 56.0  | 56.5  | 56.9  | 57.4  | 57.9  | 57.9  | 57.9  |
| 100°   | 69.2  | 70.1  | 71.2  | 72.1  | 72.8  | 73.1  | 73.4  | 73.8  | 74.2  | 74.2  | 74.2  |
| 102.5° | 87.1  | 87.8  | 88.6  | 89.4  | 90.0  | 90.5  | 90.9  | 91.3  | 91.8  | 91.9  | 92.0  |
| 105°   | 115.9 | 116.3 | 116.6 | 117.0 | 117.3 | 117.5 | 117.7 | 118.0 | 118.3 | 118.5 | 118.8 |
| 107.5° | 145.5 | 146.1 | 146.6 | 147.1 | 147.4 | 147.4 | 147.4 | 147.4 | 147.4 | 147.5 | 147.6 |
| 110°   | 164.7 | 165.3 | 166.1 | 166.8 | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 | 167.1 |





TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 185.3 | 186.0 | 186.7 | 187.5 | 187.8 | 187.7 | 187.6 | 187.5 | 187.4 | 187.1 | 186.8 |
| 115°   | 215.7 | 216.4 | 217.2 | 217.8 | 218.1 | 217.8 | 217.6 | 217.4 | 217.2 | 217.1 | 216.9 |
| 117.5° | 246.3 | 247.2 | 248.2 | 249.1 | 249.3 | 248.6 | 247.9 | 247.2 | 246.6 | 246.3 | 246.0 |
| 120°   | 266.5 | 267.4 | 268.3 | 269.4 | 269.4 | 268.3 | 267.4 | 266.5 | 265.5 | 265.5 | 265.5 |
| 122.5° | 285.1 | 286.3 | 287.5 | 288.6 | 288.8 | 288.1 | 287.5 | 286.8 | 286.2 | 285.9 | 285.6 |
| 125°   | 313.9 | 315.0 | 316.0 | 317.1 | 317.4 | 317.1 | 316.8 | 316.4 | 316.0 | 315.7 | 315.3 |
| 127.5° | 342.2 | 343.6 | 345.0 | 346.3 | 346.8 | 346.4 | 345.9 | 345.5 | 345.1 | 344.6 | 344.2 |
| 130°   | 360.1 | 361.6 | 363.2 | 364.7 | 365.3 | 365.1 | 364.9 | 364.7 | 364.4 | 364.2 | 363.9 |
| 132.5° | 379.6 | 380.8 | 382.1 | 383.3 | 384.0 | 384.1 | 384.1 | 384.2 | 384.2 | 383.7 | 383.1 |
| 135°   | 406.0 | 407.4 | 408.7 | 410.0 | 410.8 | 410.9 | 411.2 | 411.5 | 411.7 | 411.6 | 411.5 |
| 137.5° | 433.7 | 434.7 | 435.8 | 436.9 | 437.5 | 437.9 | 438.2 | 438.5 | 438.8 | 438.7 | 438.6 |
| 140°   | 450.4 | 451.5 | 452.5 | 453.6 | 454.5 | 455.1 | 455.6 | 456.3 | 456.9 | 456.9 | 456.9 |
| 142.5° | 467.6 | 468.7 | 469.8 | 470.8 | 471.6 | 472.0 | 472.4 | 472.8 | 473.2 | 473.3 | 473.3 |
| 145°   | 492.1 | 492.9 | 493.8 | 494.6 | 495.4 | 496.1 | 496.8 | 497.6 | 498.2 | 498.3 | 498.5 |
| 147.5° | 514.3 | 515.3 | 516.3 | 517.3 | 518.0 | 518.5 | 519.0 | 519.4 | 520.0 | 520.2 | 520.5 |
| 150°   | 529.0 | 529.8 | 530.5 | 531.2 | 531.8 | 532.3 | 532.7 | 533.2 | 533.8 | 534.0 | 534.4 |
| 152.5° | 542.4 | 543.1 | 543.8 | 544.5 | 545.2 | 545.7 | 546.3 | 546.9 | 547.5 | 547.9 | 548.4 |
| 155°   | 562.0 | 562.4 | 562.7 | 563.1 | 563.5 | 563.8 | 564.2 | 564.5 | 564.9 | 565.5 | 566.1 |
| 157.5° | 579.0 | 579.2 | 579.5 | 579.8 | 579.9 | 580.1 | 580.4 | 580.6 | 580.8 | 581.6 | 582.4 |
| 160°   | 589.3 | 589.6 | 589.7 | 590.0 | 590.2 | 590.3 | 590.4 | 590.6 | 590.7 | 591.4 | 592.1 |
| 162.5° | 598.6 | 598.6 | 598.7 | 598.7 | 598.8 | 598.9 | 599.1 | 599.2 | 599.3 | 600.1 | 600.9 |
| 165°   | 611.0 | 610.9 | 610.8 | 610.7 | 610.6 | 610.6 | 610.6 | 610.6 | 610.6 | 611.4 | 612.3 |
| 167.5° | 621.3 | 620.9 | 620.6 | 620.2 | 620.0 | 620.0 | 620.0 | 619.9 | 619.9 | 620.8 | 621.6 |
| 170°   | 626.9 | 626.5 | 626.1 | 625.8 | 625.6 | 625.5 | 625.3 | 625.2 | 625.1 | 625.9 | 626.8 |
| 172.5° | 630.7 | 630.4 | 630.0 | 629.7 | 629.4 | 629.3 | 629.2 | 629.1 | 629.0 | 629.8 | 630.7 |
| 175°   | 635.5 | 635.1 | 634.8 | 634.4 | 634.1 | 633.9 | 633.7 | 633.4 | 633.1 | 634.0 | 634.8 |
| 177.5° | 637.4 | 637.2 | 636.9 | 636.6 | 636.4 | 636.2 | 636.0 | 635.8 | 635.7 | 636.2 | 636.8 |
| 180°   | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-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°  | 6.5   | 6.5   | 6.5   | 6.5   | 6.5   | 6.5   | 6.4   |
| 90°    | 18.1  | 17.8  | 17.8  | 17.9  | 18.0  | 18.2  | 18.3  |
| 92.5°  | 17.2  | 17.2  | 17.3  | 17.3  | 17.3  | 17.4  | 17.4  |
| 95°    | 34.4  | 34.4  | 34.3  | 34.0  | 33.8  | 33.6  | 33.4  |
| 97.5°  | 57.9  | 57.9  | 57.8  | 57.8  | 57.8  | 57.8  | 57.7  |
| 100°   | 74.2  | 74.2  | 74.1  | 74.0  | 73.9  | 73.8  | 73.6  |
| 102.5° | 92.1  | 92.2  | 92.2  | 92.1  | 91.9  | 91.8  | 91.7  |
| 105°   | 118.9 | 119.2 | 119.3 | 119.3 | 119.3 | 119.3 | 119.3 |
| 107.5° | 147.7 | 147.8 | 147.5 | 146.9 | 146.5 | 145.9 | 145.3 |
| 110°   | 167.1 | 167.1 | 167.0 | 166.6 | 166.3 | 165.9 | 165.5 |



TEST NUMBER: P331622-830

CATALOG NUMBER: S122RDIP-S290D530U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 186.5 | 186.2 | 186.0 | 185.7 | 185.4 | 185.1 | 184.9 |
| 115°   | 216.8 | 216.7 | 216.4 | 216.0 | 215.7 | 215.4 | 215.0 |
| 117.5° | 245.7 | 245.4 | 245.2 | 244.8 | 244.4 | 244.0 | 243.6 |
| 120°   | 265.5 | 265.5 | 265.3 | 264.9 | 264.7 | 264.3 | 263.9 |
| 122.5° | 285.3 | 285.0 | 284.7 | 284.5 | 284.2 | 284.0 | 283.7 |
| 125°   | 315.0 | 314.6 | 314.3 | 314.2 | 314.1 | 314.0 | 313.9 |
| 127.5° | 343.7 | 343.4 | 342.9 | 342.5 | 342.1 | 341.8 | 341.4 |
| 130°   | 363.7 | 363.4 | 363.1 | 362.6 | 362.1 | 361.7 | 361.2 |
| 132.5° | 382.6 | 382.1 | 381.6 | 381.3 | 380.9 | 380.5 | 380.1 |
| 135°   | 411.3 | 411.2 | 410.9 | 410.7 | 410.3 | 409.9 | 409.5 |
| 137.5° | 438.5 | 438.4 | 438.1 | 437.6 | 437.2 | 436.7 | 436.2 |
| 140°   | 456.9 | 456.9 | 456.7 | 456.1 | 455.6 | 455.2 | 454.7 |
| 142.5° | 473.4 | 473.5 | 473.3 | 472.9 | 472.4 | 471.9 | 471.5 |
| 145°   | 498.6 | 498.7 | 498.5 | 498.0 | 497.6 | 497.1 | 496.6 |
| 147.5° | 520.8 | 521.0 | 520.9 | 520.5 | 520.0 | 519.5 | 519.1 |
| 150°   | 534.8 | 535.2 | 535.2 | 534.8 | 534.4 | 534.0 | 533.8 |
| 152.5° | 548.8 | 549.3 | 549.3 | 548.8 | 548.4 | 547.9 | 547.5 |
| 155°   | 566.7 | 567.3 | 567.4 | 567.0 | 566.7 | 566.3 | 566.0 |
| 157.5° | 583.2 | 584.1 | 584.2 | 583.6 | 583.1 | 582.5 | 581.8 |
| 160°   | 592.9 | 593.5 | 593.7 | 593.2 | 592.8 | 592.2 | 591.7 |
| 162.5° | 601.7 | 602.6 | 602.7 | 602.1 | 601.5 | 601.0 | 600.4 |
| 165°   | 613.1 | 613.9 | 614.1 | 613.4 | 612.8 | 612.3 | 611.6 |
| 167.5° | 622.5 | 623.3 | 623.4 | 622.7 | 622.2 | 621.5 | 620.9 |
| 170°   | 627.6 | 628.4 | 628.5 | 627.7 | 627.1 | 626.3 | 625.7 |
| 172.5° | 631.5 | 632.3 | 632.4 | 631.7 | 630.9 | 630.2 | 629.5 |
| 175°   | 635.7 | 636.5 | 636.6 | 635.8 | 635.1 | 634.4 | 633.7 |
| 177.5° | 637.3 | 637.9 | 637.9 | 637.3 | 636.8 | 636.2 | 635.7 |
| 180°   | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 | 636.9 |

(END OF REPORT)