

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1008386

Luminaire Tested: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1008386  
REPORT IS A COMBINATION OF REPORTS P988186 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K  
Description: Define 2 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}  
{m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

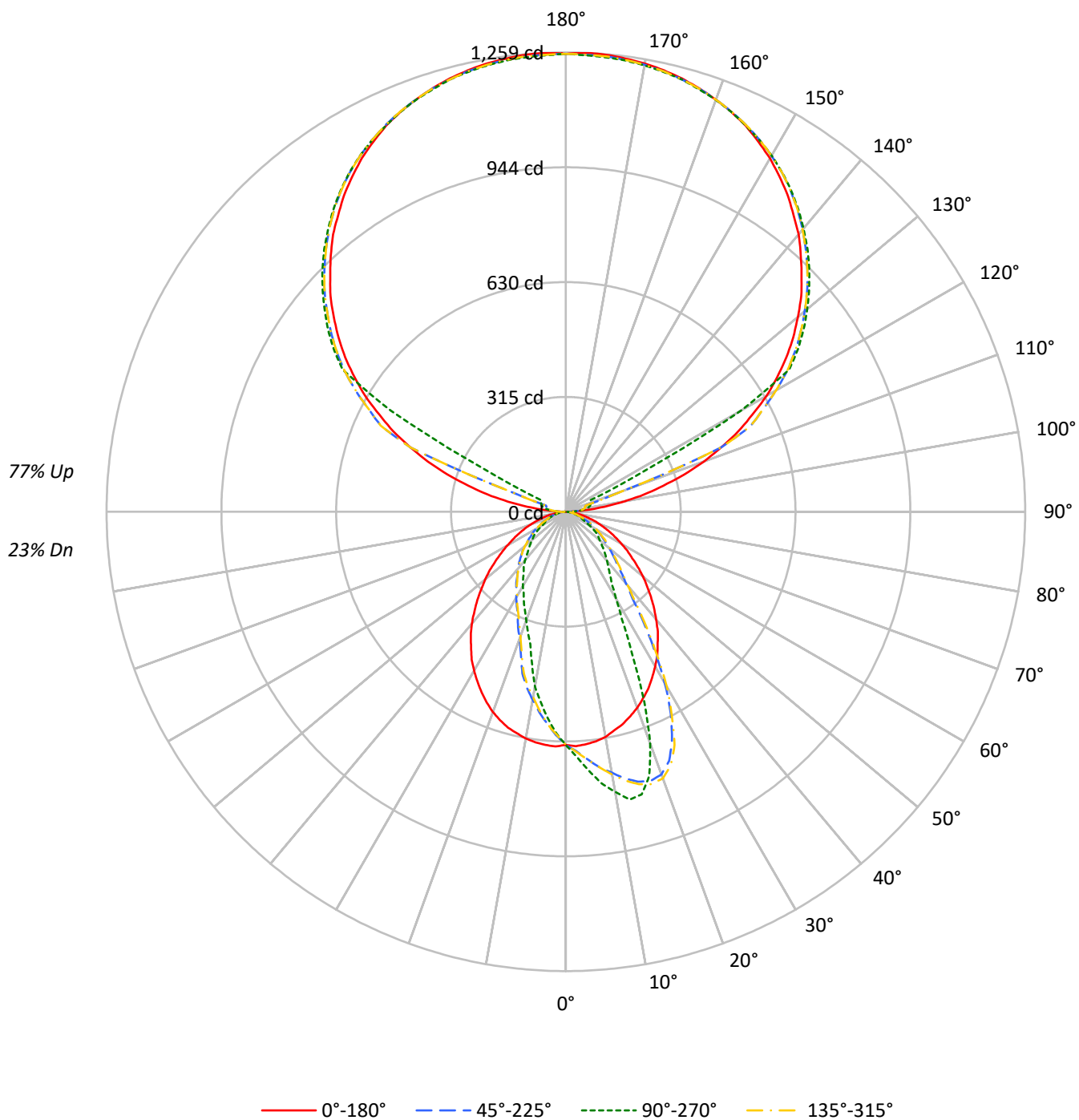
Lumens per Lamp: N/A  
Luminaire Lumens: 4785.0 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 41.5  
Input Voltage (V):  
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: 24 FT

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CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1008386

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 101 | 101 | 101 | 101 | 89 | 89 | 89 | 89 | 68 | 68 | 68 | 49 | 49 | 49 | 31 | 31 | 31 | 31 | 31 | 23 |
| 1   | 92  | 88  | 84  | 81  | 82 | 78 | 75 | 73 | 60 | 58 | 57 | 44 | 42 | 41 | 28 | 28 | 27 | 27 | 27 | 20 |
| 2   | 84  | 77  | 72  | 67  | 75 | 69 | 64 | 60 | 53 | 50 | 47 | 39 | 37 | 35 | 25 | 24 | 23 | 23 | 23 | 17 |
| 3   | 77  | 68  | 61  | 56  | 68 | 61 | 55 | 51 | 47 | 43 | 40 | 35 | 32 | 30 | 23 | 21 | 20 | 20 | 20 | 15 |
| 4   | 70  | 61  | 53  | 48  | 62 | 54 | 48 | 43 | 42 | 38 | 35 | 31 | 28 | 26 | 21 | 19 | 18 | 18 | 18 | 14 |
| 5   | 65  | 54  | 46  | 41  | 57 | 48 | 42 | 37 | 38 | 33 | 30 | 28 | 25 | 23 | 19 | 17 | 16 | 16 | 16 | 12 |
| 6   | 60  | 48  | 41  | 35  | 53 | 43 | 37 | 32 | 34 | 30 | 26 | 25 | 22 | 20 | 17 | 15 | 14 | 14 | 14 | 11 |
| 7   | 55  | 44  | 36  | 31  | 49 | 39 | 33 | 28 | 31 | 26 | 23 | 23 | 20 | 18 | 16 | 14 | 13 | 13 | 13 | 10 |
| 8   | 51  | 40  | 32  | 27  | 45 | 36 | 29 | 25 | 28 | 24 | 20 | 21 | 18 | 16 | 15 | 13 | 11 | 11 | 11 | 9  |
| 9   | 48  | 36  | 29  | 24  | 42 | 33 | 27 | 22 | 26 | 21 | 18 | 19 | 17 | 14 | 14 | 12 | 10 | 10 | 10 | 8  |
| 10  | 44  | 33  | 26  | 22  | 40 | 30 | 24 | 20 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 10 | 10 | 10 | 8  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 10112 | 10112 | 10112 | 10112 |
| 5°  | 10136 | 10742 | 10171 | 8581  |
| 10° | 10024 | 11353 | 10096 | 7086  |
| 15° | 9806  | 11356 | 9972  | 5323  |
| 20° | 9545  | 9388  | 9752  | 4391  |
| 25° | 9228  | 5866  | 9428  | 3736  |
| 30° | 8823  | 3755  | 9063  | 3216  |
| 35° | 8330  | 2887  | 8599  | 2752  |
| 40° | 7782  | 2427  | 8114  | 2407  |
| 45° | 7194  | 2065  | 7495  | 2021  |
| 50° | 6593  | 1755  | 6901  | 1749  |
| 55° | 5926  | 1525  | 6246  | 1504  |
| 60° | 5335  | 1162  | 5617  | 1149  |
| 65° | 4781  | 874   | 5066  | 992   |
| 70° | 4170  | 699   | 4500  | 808   |
| 75° | 3524  | 536   | 3849  | 612   |
| 80° | 2802  | 364   | 3010  | 402   |
| 85° | 1949  | 188   | 2133  | 198   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 9250 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.6   | 1.3       |
| 10°-20°   | 169.1  | 3.5       |
| 20°-30°   | 217.7  | 4.5       |
| 30°-40°   | 206.5  | 4.3       |
| 40°-50°   | 177.0  | 3.7       |
| 50°-60°   | 134.8  | 2.8       |
| 60°-70°   | 85.0   | 1.8       |
| 70°-80°   | 42.4   | 0.9       |
| 80°-90°   | 13.1   | 0.3       |
| 90°-100°  | 41.4   | 0.9       |
| 100°-110° | 154.2  | 3.2       |
| 110°-120° | 409.1  | 8.5       |
| 120°-130° | 678.5  | 14.2      |
| 130°-140° | 720.7  | 15.1      |
| 140°-150° | 669.9  | 14.0      |
| 150°-160° | 538.5  | 11.3      |
| 160°-170° | 347.0  | 7.3       |
| 170°-180° | 119.4  | 2.5       |
| 0°-30°    | 447.4  | 9.4       |
| 0°-40°    | 653.9  | 13.7      |
| 0°-60°    | 965.7  | 20.2      |
| 0°-90°    | 1106.2 | 23.1      |
| 90°-120°  | 604.7  | 12.6      |
| 90°-150°  | 2673.8 | 55.9      |
| 90°-180°  | 3679.0 | 76.9      |
| 0°-180°   | 4785.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 639  | 639  | 639  | 639  | 639  |      |
| 5°   | 639  | 711  | 642  | 568  | 639  | 61   |
| 15°  | 602  | 802  | 613  | 376  | 602  | 169  |
| 25°  | 534  | 428  | 546  | 273  | 534  | 245  |
| 35°  | 439  | 211  | 453  | 201  | 439  | 274  |
| 45°  | 329  | 146  | 343  | 143  | 329  | 254  |
| 55°  | 222  | 102  | 234  | 100  | 222  | 200  |
| 65°  | 134  | 53   | 142  | 60   | 134  | 133  |
| 75°  | 63   | 28   | 69   | 32   | 63   | 68   |
| 85°  | 14   | 8    | 15   | 8    | 14   | 16   |
| 90°  | 1    | 24   | 1    | 24   | 1    | 4    |
| 95°  | 59   | 39   | 59   | 39   | 59   | 70   |
| 105° | 276  | 69   | 276  | 69   | 276  | 295  |
| 115° | 522  | 74   | 522  | 74   | 522  | 514  |
| 125° | 738  | 776  | 738  | 776  | 738  | 658  |
| 135° | 913  | 943  | 913  | 943  | 913  | 706  |
| 145° | 1060 | 1076 | 1060 | 1076 | 1060 | 663  |
| 155° | 1167 | 1168 | 1167 | 1168 | 1167 | 538  |
| 165° | 1229 | 1227 | 1229 | 1227 | 1229 | 347  |
| 175° | 1258 | 1250 | 1258 | 1250 | 1258 | 120  |
| 180° | 1255 | 1255 | 1255 | 1255 | 1255 |      |

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CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 |
| 2.5°   | 642.8 | 645.5 | 646.8 | 648.6 | 652.6 | 655.3 | 659.3 | 660.2 | 659.7 | 661.5 | 656.6 |
| 5°     | 639.3 | 645.1 | 650.4 | 654.8 | 661.9 | 666.4 | 671.3 | 677.0 | 678.4 | 685.0 | 681.0 |
| 7.5°   | 634.4 | 642.8 | 650.4 | 659.3 | 669.9 | 675.7 | 683.2 | 692.1 | 696.1 | 704.1 | 706.3 |
| 10°    | 626.4 | 638.4 | 651.3 | 660.6 | 675.2 | 685.5 | 692.6 | 706.8 | 716.1 | 728.1 | 726.3 |
| 12.5°  | 613.5 | 629.1 | 646.4 | 661.9 | 681.0 | 687.7 | 701.0 | 715.6 | 727.6 | 738.7 | 748.5 |
| 15°    | 602.4 | 620.2 | 639.3 | 658.4 | 680.1 | 692.6 | 705.9 | 725.0 | 737.8 | 757.4 | 765.8 |
| 17.5°  | 587.3 | 610.0 | 632.6 | 653.9 | 679.7 | 693.9 | 710.3 | 729.0 | 748.1 | 766.7 | 773.4 |
| 20°    | 571.8 | 596.2 | 620.6 | 649.5 | 678.8 | 692.6 | 709.4 | 732.5 | 751.2 | 765.8 | 765.8 |
| 22.5°  | 553.2 | 582.9 | 610.9 | 638.4 | 670.4 | 690.3 | 707.7 | 734.7 | 748.1 | 751.2 | 739.2 |
| 25°    | 534.5 | 564.3 | 594.9 | 629.1 | 665.5 | 683.2 | 702.8 | 728.1 | 732.5 | 720.1 | 689.0 |
| 27.5°  | 512.3 | 545.6 | 580.2 | 617.1 | 655.3 | 677.5 | 695.2 | 712.1 | 703.7 | 670.4 | 622.0 |
| 30°    | 489.7 | 525.6 | 564.7 | 599.8 | 645.9 | 666.4 | 681.5 | 686.3 | 659.7 | 605.5 | 542.9 |
| 32.5°  | 466.1 | 501.2 | 542.5 | 584.7 | 631.3 | 650.8 | 660.6 | 647.7 | 598.9 | 530.5 | 454.2 |
| 35°    | 438.6 | 478.1 | 521.2 | 565.1 | 611.3 | 626.0 | 631.7 | 600.2 | 537.6 | 449.3 | 373.4 |
| 37.5°  | 413.8 | 453.3 | 499.4 | 544.3 | 589.1 | 597.1 | 591.3 | 542.1 | 462.6 | 375.1 | 301.0 |
| 40°    | 384.5 | 426.6 | 471.9 | 522.1 | 558.9 | 561.2 | 546.9 | 483.0 | 384.5 | 302.3 | 256.6 |
| 42.5°  | 357.4 | 400.0 | 445.3 | 496.3 | 524.3 | 516.8 | 497.7 | 413.8 | 321.0 | 260.6 | 223.8 |
| 45°    | 329.4 | 369.8 | 418.6 | 463.9 | 483.9 | 466.1 | 437.3 | 348.1 | 269.5 | 224.2 | 195.8 |
| 47.5°  | 302.3 | 340.1 | 388.5 | 432.0 | 435.5 | 415.5 | 381.4 | 291.7 | 233.5 | 197.1 | 174.0 |
| 50°    | 275.7 | 313.4 | 358.7 | 394.7 | 391.1 | 363.6 | 325.0 | 253.5 | 202.9 | 174.0 | 154.9 |
| 52.5°  | 249.1 | 283.2 | 327.2 | 355.6 | 340.5 | 313.9 | 275.7 | 214.9 | 177.1 | 151.8 | 137.2 |
| 55°    | 222.4 | 254.4 | 292.1 | 315.6 | 291.7 | 261.0 | 234.0 | 184.2 | 153.6 | 133.2 | 122.1 |
| 57.5°  | 200.2 | 225.5 | 260.2 | 274.4 | 245.5 | 221.5 | 198.0 | 158.5 | 133.2 | 118.5 | 105.7 |
| 60°    | 175.8 | 198.9 | 227.3 | 235.7 | 206.0 | 186.5 | 166.5 | 134.1 | 114.1 | 101.2 | 92.8  |
| 62.5°  | 154.9 | 174.0 | 195.8 | 195.8 | 169.6 | 154.9 | 139.8 | 112.3 | 95.9  | 85.7  | 81.7  |
| 65°    | 134.5 | 148.3 | 163.8 | 162.0 | 139.8 | 127.0 | 115.0 | 92.8  | 80.4  | 73.3  | 69.3  |
| 67.5°  | 114.5 | 125.2 | 135.4 | 129.2 | 113.2 | 102.1 | 91.0  | 75.0  | 66.6  | 61.7  | 56.4  |
| 70°    | 96.3  | 104.8 | 110.1 | 104.3 | 88.3  | 79.0  | 71.0  | 60.4  | 53.7  | 47.5  | 44.4  |
| 72.5°  | 80.8  | 84.4  | 86.1  | 79.0  | 65.7  | 60.4  | 54.6  | 47.1  | 41.3  | 38.2  | 37.3  |
| 75°    | 63.0  | 66.1  | 64.8  | 59.5  | 48.4  | 44.4  | 40.0  | 34.6  | 33.3  | 31.5  | 30.6  |
| 77.5°  | 49.3  | 49.3  | 47.1  | 42.2  | 34.6  | 31.5  | 29.7  | 27.1  | 25.7  | 25.3  | 24.4  |
| 80°    | 35.1  | 34.6  | 33.3  | 28.0  | 23.5  | 21.8  | 21.8  | 20.0  | 19.5  | 18.6  | 18.6  |
| 82.5°  | 23.1  | 23.1  | 21.3  | 16.9  | 15.5  | 15.1  | 14.7  | 13.8  | 13.8  | 13.3  | 13.3  |
| 85°    | 13.8  | 12.9  | 10.7  | 9.3   | 8.9   | 8.9   | 8.4   | 8.0   | 8.4   | 8.0   | 8.0   |
| 87.5°  | 6.2   | 4.9   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   |
| 90°    | 0.9   | 3.1   | 5.3   | 7.6   | 9.8   | 10.9  | 11.7  | 13.3  | 15.0  | 16.6  | 18.2  |
| 92.5°  | 22.7  | 21.9  | 21.1  | 20.3  | 19.5  | 19.1  | 19.4  | 20.0  | 20.6  | 21.2  | 21.8  |
| 95°    | 59.0  | 52.4  | 45.7  | 39.1  | 32.4  | 29.1  | 29.8  | 31.2  | 32.6  | 34.0  | 35.4  |
| 97.5°  | 106.2 | 89.7  | 73.1  | 56.6  | 40.1  | 31.8  | 33.4  | 36.6  | 39.9  | 43.1  | 46.3  |
| 100°   | 160.7 | 133.1 | 105.4 | 77.8  | 50.1  | 36.3  | 38.0  | 41.5  | 44.9  | 48.4  | 51.8  |
| 102.5° | 220.6 | 220.2 | 219.8 | 219.4 | 219.0 | 218.8 | 200.4 | 163.7 | 127.0 | 90.3  | 53.6  |
| 105°   | 276.0 | 282.1 | 288.1 | 294.2 | 300.3 | 303.3 | 275.8 | 220.7 | 165.6 | 110.5 | 55.4  |
| 107.5° | 340.5 | 345.5 | 350.6 | 355.6 | 360.7 | 363.2 | 329.2 | 261.2 | 193.2 | 125.2 | 57.2  |
| 110°   | 402.2 | 406.4 | 410.7 | 414.9 | 419.2 | 421.3 | 392.1 | 333.8 | 275.5 | 217.2 | 158.9 |

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CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 460.4  | 464.0  | 467.6  | 471.3  | 474.9  | 476.7  | 475.0  | 471.6  | 468.1  | 464.7  | 461.3  |
| 115°   | 522.1  | 525.5  | 528.9  | 532.4  | 535.8  | 537.5  | 540.0  | 545.1  | 550.1  | 555.2  | 560.2  |
| 117.5° | 575.7  | 579.7  | 583.7  | 587.8  | 591.8  | 593.8  | 595.5  | 599.0  | 602.4  | 605.9  | 609.3  |
| 120°   | 635.6  | 638.6  | 641.6  | 644.7  | 647.7  | 649.2  | 651.0  | 654.7  | 658.3  | 662.0  | 665.6  |
| 122.5° | 686.4  | 689.6  | 692.9  | 696.1  | 699.4  | 701.0  | 703.0  | 707.0  | 711.1  | 715.1  | 719.1  |
| 125°   | 738.2  | 740.8  | 743.4  | 746.1  | 748.7  | 750.0  | 751.9  | 755.8  | 759.6  | 763.5  | 767.3  |
| 127.5° | 785.4  | 788.2  | 791.0  | 793.9  | 796.7  | 798.1  | 799.6  | 802.7  | 805.7  | 808.8  | 811.8  |
| 130°   | 829.9  | 833.1  | 836.3  | 839.6  | 842.8  | 844.4  | 845.5  | 847.7  | 850.0  | 852.2  | 854.4  |
| 132.5° | 875.3  | 877.9  | 880.5  | 883.2  | 885.8  | 887.1  | 888.2  | 890.4  | 892.7  | 894.9  | 897.1  |
| 135°   | 913.4  | 916.6  | 919.9  | 923.1  | 926.4  | 928.0  | 928.9  | 930.7  | 932.5  | 934.3  | 936.1  |
| 137.5° | 953.4  | 955.8  | 958.2  | 960.7  | 963.1  | 964.3  | 965.3  | 967.3  | 969.4  | 971.4  | 973.4  |
| 140°   | 992.4  | 994.0  | 995.6  | 997.3  | 998.9  | 999.7  | 1000.8 | 1003.0 | 1005.3 | 1007.5 | 1009.7 |
| 142.5° | 1025.1 | 1026.5 | 1027.9 | 1029.4 | 1030.8 | 1031.5 | 1032.8 | 1035.4 | 1038.1 | 1040.7 | 1043.3 |
| 145°   | 1059.6 | 1059.4 | 1059.2 | 1059.0 | 1058.8 | 1058.7 | 1060.4 | 1063.9 | 1067.3 | 1070.8 | 1074.2 |
| 147.5° | 1089.6 | 1089.0 | 1088.4 | 1087.8 | 1087.2 | 1086.9 | 1088.6 | 1092.0 | 1095.5 | 1098.9 | 1102.3 |
| 150°   | 1118.7 | 1117.3 | 1115.9 | 1114.4 | 1113.0 | 1112.3 | 1113.9 | 1117.1 | 1120.4 | 1123.6 | 1126.8 |
| 152.5° | 1143.2 | 1141.6 | 1140.0 | 1138.3 | 1136.7 | 1135.9 | 1137.4 | 1140.4 | 1143.5 | 1146.5 | 1149.5 |
| 155°   | 1166.8 | 1165.0 | 1163.2 | 1161.3 | 1159.5 | 1158.6 | 1159.8 | 1162.2 | 1164.7 | 1167.1 | 1169.5 |
| 157.5° | 1185.8 | 1184.2 | 1182.6 | 1181.0 | 1179.4 | 1178.6 | 1179.5 | 1181.3 | 1183.2 | 1185.0 | 1186.8 |
| 160°   | 1202.2 | 1201.0 | 1199.8 | 1198.5 | 1197.3 | 1196.7 | 1197.3 | 1198.5 | 1199.8 | 1201.0 | 1202.2 |
| 162.5° | 1216.7 | 1215.5 | 1214.3 | 1213.1 | 1211.9 | 1211.3 | 1211.8 | 1212.8 | 1213.8 | 1214.8 | 1215.8 |
| 165°   | 1229.4 | 1228.2 | 1227.0 | 1225.8 | 1224.6 | 1224.0 | 1224.3 | 1224.9 | 1225.5 | 1226.1 | 1226.7 |
| 167.5° | 1239.4 | 1238.2 | 1237.0 | 1235.8 | 1234.6 | 1234.0 | 1234.3 | 1234.9 | 1235.5 | 1236.1 | 1236.7 |
| 170°   | 1247.6 | 1246.4 | 1245.2 | 1243.9 | 1242.7 | 1242.1 | 1242.3 | 1242.7 | 1243.2 | 1243.6 | 1244.0 |
| 172.5° | 1253.0 | 1251.8 | 1250.6 | 1249.4 | 1248.2 | 1247.6 | 1247.8 | 1248.2 | 1248.6 | 1249.0 | 1249.4 |
| 175°   | 1257.6 | 1256.2 | 1254.8 | 1253.3 | 1251.9 | 1251.2 | 1251.4 | 1251.8 | 1252.2 | 1252.6 | 1253.0 |
| 177.5° | 1259.4 | 1258.0 | 1256.6 | 1255.1 | 1253.7 | 1253.0 | 1253.1 | 1253.3 | 1253.5 | 1253.7 | 1253.9 |
| 180°   | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 |
| 2.5°   | 661.5 | 662.4 | 663.7 | 669.9 | 670.8 | 672.6 | 671.7 | 671.7 | 672.1 | 671.3 | 671.7 |
| 5°     | 689.9 | 691.2 | 697.9 | 705.4 | 707.2 | 705.4 | 707.7 | 710.8 | 710.8 | 710.8 | 709.9 |
| 7.5°   | 716.5 | 721.4 | 729.0 | 740.1 | 742.3 | 744.5 | 748.5 | 745.8 | 746.7 | 750.7 | 749.4 |
| 10°    | 742.3 | 749.4 | 757.8 | 767.1 | 772.0 | 775.1 | 776.9 | 780.9 | 790.2 | 779.6 | 783.6 |
| 12.5°  | 766.7 | 776.9 | 785.8 | 796.0 | 799.6 | 803.5 | 804.9 | 808.4 | 808.4 | 808.0 | 811.1 |
| 15°    | 782.7 | 792.0 | 800.0 | 806.7 | 807.5 | 806.7 | 805.8 | 806.2 | 807.5 | 802.2 | 805.3 |
| 17.5°  | 786.2 | 787.1 | 789.8 | 787.1 | 787.6 | 778.2 | 772.9 | 771.6 | 759.2 | 759.6 | 769.8 |
| 20°    | 768.9 | 753.8 | 749.8 | 735.2 | 726.3 | 702.3 | 701.4 | 694.8 | 668.6 | 676.6 | 674.8 |
| 22.5°  | 721.4 | 695.7 | 661.5 | 644.6 | 636.2 | 610.9 | 591.3 | 577.6 | 568.3 | 558.9 | 554.9 |
| 25°    | 658.8 | 617.1 | 568.7 | 535.4 | 530.5 | 507.0 | 471.0 | 454.2 | 434.2 | 428.0 | 438.6 |
| 27.5°  | 578.0 | 523.9 | 469.3 | 418.2 | 408.9 | 387.6 | 369.4 | 357.4 | 334.3 | 333.0 | 333.8 |
| 30°    | 468.4 | 413.8 | 368.0 | 334.7 | 311.7 | 301.9 | 289.9 | 281.0 | 271.7 | 275.2 | 276.1 |
| 32.5°  | 384.9 | 333.0 | 290.3 | 272.6 | 261.9 | 255.7 | 245.5 | 239.7 | 235.7 | 234.4 | 234.0 |
| 35°    | 305.9 | 271.3 | 252.2 | 234.8 | 228.6 | 224.2 | 216.6 | 214.0 | 210.4 | 210.9 | 210.9 |
| 37.5°  | 261.9 | 233.1 | 218.9 | 210.0 | 204.2 | 202.0 | 197.1 | 194.4 | 192.2 | 191.3 | 192.7 |
| 40°    | 226.0 | 206.0 | 197.1 | 189.1 | 184.2 | 183.4 | 180.7 | 177.6 | 174.9 | 175.4 | 176.7 |
| 42.5°  | 199.8 | 188.2 | 177.6 | 171.4 | 167.8 | 166.5 | 164.3 | 162.0 | 162.0 | 160.7 | 160.3 |
| 45°    | 178.9 | 169.6 | 160.7 | 154.9 | 152.7 | 150.9 | 148.3 | 147.8 | 146.1 | 146.5 | 146.9 |
| 47.5°  | 160.3 | 152.7 | 146.1 | 140.3 | 138.1 | 137.6 | 135.0 | 133.2 | 133.2 | 132.7 | 132.3 |
| 50°    | 143.4 | 135.8 | 130.1 | 127.0 | 123.9 | 123.0 | 122.5 | 122.1 | 121.2 | 121.2 | 121.6 |
| 52.5°  | 129.6 | 122.1 | 117.6 | 115.0 | 113.2 | 112.3 | 112.3 | 111.9 | 111.9 | 111.9 | 111.4 |
| 55°    | 114.5 | 108.3 | 104.8 | 103.9 | 103.0 | 102.6 | 102.1 | 101.2 | 100.8 | 101.7 | 100.8 |
| 57.5°  | 100.3 | 98.1  | 95.0  | 94.1  | 91.9  | 91.9  | 90.6  | 89.7  | 88.8  | 89.7  | 89.7  |
| 60°    | 89.2  | 86.1  | 84.4  | 81.7  | 79.9  | 78.1  | 75.9  | 75.5  | 74.6  | 74.1  | 73.7  |
| 62.5°  | 77.7  | 75.0  | 70.6  | 66.6  | 63.9  | 62.2  | 61.3  | 60.8  | 60.8  | 60.4  | 60.4  |
| 65°    | 64.8  | 58.6  | 56.4  | 55.0  | 54.6  | 54.2  | 53.3  | 52.8  | 53.3  | 52.8  | 53.3  |
| 67.5°  | 50.6  | 49.7  | 48.4  | 47.5  | 47.1  | 46.6  | 46.6  | 46.2  | 46.2  | 46.2  | 46.2  |
| 70°    | 44.0  | 41.7  | 41.3  | 40.4  | 40.4  | 40.0  | 40.0  | 40.0  | 40.0  | 39.5  | 40.4  |
| 72.5°  | 36.4  | 35.1  | 34.6  | 34.2  | 34.2  | 34.2  | 33.7  | 33.7  | 33.7  | 33.3  | 33.7  |
| 75°    | 29.7  | 29.3  | 28.4  | 28.4  | 28.0  | 28.4  | 28.0  | 28.0  | 27.5  | 28.0  | 28.0  |
| 77.5°  | 24.0  | 23.5  | 23.1  | 23.1  | 22.6  | 22.6  | 22.6  | 22.6  | 22.6  | 22.6  | 23.1  |
| 80°    | 18.2  | 17.8  | 17.3  | 17.8  | 17.3  | 17.8  | 17.3  | 17.3  | 17.8  | 17.3  | 17.3  |
| 82.5°  | 13.3  | 12.9  | 12.9  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  |
| 85°    | 8.0   | 7.5   | 7.5   | 8.0   | 7.5   | 8.0   | 7.5   | 7.5   | 7.5   | 8.0   | 8.0   |
| 87.5°  | 3.6   | 4.0   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 4.0   |
| 90°    | 19.2  | 20.2  | 21.2  | 22.2  | 22.7  | 22.9  | 23.3  | 23.7  | 24.1  | 24.5  | 24.1  |
| 92.5°  | 22.2  | 22.6  | 23.0  | 23.4  | 23.6  | 23.7  | 23.9  | 24.1  | 24.3  | 24.5  | 24.3  |
| 95°    | 36.4  | 37.4  | 38.5  | 39.5  | 40.0  | 39.9  | 39.7  | 39.4  | 39.2  | 39.0  | 39.2  |
| 97.5°  | 46.9  | 47.5  | 48.1  | 48.7  | 49.0  | 49.1  | 49.3  | 49.5  | 49.7  | 49.9  | 49.7  |
| 100°   | 53.4  | 55.0  | 56.6  | 58.2  | 59.0  | 59.2  | 59.6  | 60.0  | 60.4  | 60.8  | 60.4  |
| 102.5° | 55.8  | 58.0  | 60.3  | 62.5  | 63.6  | 63.9  | 64.5  | 65.1  | 65.7  | 66.3  | 65.7  |
| 105°   | 57.6  | 59.8  | 62.1  | 64.3  | 65.4  | 65.8  | 66.6  | 67.4  | 68.2  | 69.0  | 68.2  |
| 107.5° | 59.4  | 61.6  | 63.9  | 66.1  | 67.2  | 67.6  | 68.4  | 69.2  | 70.0  | 70.8  | 70.0  |
| 110°   | 138.7 | 118.5 | 98.4  | 78.2  | 68.1  | 68.5  | 69.3  | 70.1  | 70.9  | 71.7  | 70.9  |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 374.3  | 287.3  | 200.4  | 113.4  | 69.9   | 70.2   | 70.8   | 71.4   | 72.0   | 72.6   | 72.0   |
| 115°   | 466.8  | 373.4  | 279.9  | 186.5  | 139.8  | 132.5  | 118.0  | 103.5  | 89.0   | 74.5   | 89.0   |
| 117.5° | 580.4  | 551.6  | 522.7  | 493.8  | 479.4  | 453.0  | 400.1  | 347.2  | 294.4  | 241.5  | 294.4  |
| 120°   | 668.0  | 670.4  | 672.9  | 675.3  | 676.5  | 662.9  | 635.6  | 608.4  | 581.1  | 553.9  | 581.1  |
| 122.5° | 720.3  | 721.5  | 722.8  | 724.0  | 724.6  | 724.7  | 724.9  | 725.1  | 725.3  | 725.5  | 725.3  |
| 125°   | 768.7  | 770.1  | 771.5  | 772.9  | 773.6  | 773.9  | 774.5  | 775.1  | 775.7  | 776.3  | 775.7  |
| 127.5° | 813.8  | 815.8  | 817.8  | 819.8  | 820.8  | 820.9  | 821.1  | 821.3  | 821.5  | 821.7  | 821.5  |
| 130°   | 856.6  | 858.8  | 861.1  | 863.3  | 864.4  | 864.3  | 864.1  | 863.9  | 863.7  | 863.5  | 863.7  |
| 132.5° | 898.9  | 900.7  | 902.6  | 904.4  | 905.3  | 905.2  | 905.0  | 904.8  | 904.6  | 904.4  | 904.6  |
| 135°   | 938.1  | 940.1  | 942.2  | 944.2  | 945.2  | 945.0  | 944.6  | 944.2  | 943.8  | 943.4  | 943.8  |
| 137.5° | 975.4  | 977.4  | 979.5  | 981.5  | 982.5  | 982.2  | 981.6  | 980.9  | 980.3  | 979.7  | 980.3  |
| 140°   | 1011.5 | 1013.3 | 1015.2 | 1017.0 | 1017.9 | 1017.4 | 1016.4 | 1015.3 | 1014.3 | 1013.3 | 1014.3 |
| 142.5° | 1044.9 | 1046.5 | 1048.2 | 1049.8 | 1050.6 | 1050.1 | 1049.1 | 1048.0 | 1047.0 | 1046.0 | 1047.0 |
| 145°   | 1075.6 | 1077.0 | 1078.4 | 1079.8 | 1080.5 | 1080.0 | 1079.0 | 1078.0 | 1077.0 | 1076.0 | 1077.0 |
| 147.5° | 1103.3 | 1104.3 | 1105.4 | 1106.4 | 1106.9 | 1106.5 | 1105.7 | 1104.8 | 1104.0 | 1103.2 | 1104.0 |
| 150°   | 1128.0 | 1129.2 | 1130.5 | 1131.7 | 1132.3 | 1131.8 | 1130.8 | 1129.7 | 1128.7 | 1127.7 | 1128.7 |
| 152.5° | 1150.7 | 1151.9 | 1153.2 | 1154.4 | 1155.0 | 1154.3 | 1152.9 | 1151.4 | 1150.0 | 1148.6 | 1150.0 |
| 155°   | 1170.7 | 1171.9 | 1173.2 | 1174.4 | 1175.0 | 1174.2 | 1172.6 | 1170.9 | 1169.3 | 1167.7 | 1169.3 |
| 157.5° | 1188.2 | 1189.6 | 1191.0 | 1192.4 | 1193.1 | 1192.3 | 1190.7 | 1189.0 | 1187.4 | 1185.8 | 1187.4 |
| 160°   | 1203.4 | 1204.6 | 1205.8 | 1207.0 | 1207.6 | 1206.9 | 1205.5 | 1204.1 | 1202.7 | 1201.3 | 1202.7 |
| 162.5° | 1217.2 | 1218.6 | 1220.1 | 1221.5 | 1222.2 | 1221.3 | 1219.5 | 1217.6 | 1215.8 | 1214.0 | 1215.8 |
| 165°   | 1228.1 | 1229.5 | 1231.0 | 1232.4 | 1233.1 | 1232.4 | 1231.0 | 1229.5 | 1228.1 | 1226.7 | 1228.1 |
| 167.5° | 1238.1 | 1239.5 | 1241.0 | 1242.4 | 1243.1 | 1242.2 | 1240.4 | 1238.5 | 1236.7 | 1234.9 | 1236.7 |
| 170°   | 1245.4 | 1246.8 | 1248.2 | 1249.6 | 1250.3 | 1249.4 | 1247.6 | 1245.7 | 1243.9 | 1242.1 | 1243.9 |
| 172.5° | 1250.8 | 1252.2 | 1253.7 | 1255.1 | 1255.8 | 1254.9 | 1253.1 | 1251.2 | 1249.4 | 1247.6 | 1249.4 |
| 175°   | 1254.4 | 1255.8 | 1257.3 | 1258.7 | 1259.4 | 1258.4 | 1256.4 | 1254.3 | 1252.3 | 1250.3 | 1252.3 |
| 177.5° | 1255.3 | 1256.7 | 1258.2 | 1259.6 | 1260.3 | 1259.4 | 1257.6 | 1255.7 | 1253.9 | 1252.1 | 1253.9 |
| 180°   | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 638.8 | 638.8 | 638.8 | 638.8  | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 |
| 2.5°   | 673.5 | 670.4 | 669.5 | 670.4  | 669.5 | 669.9 | 666.8 | 655.3 | 658.4 | 653.5 | 656.2 |
| 5°     | 711.7 | 709.0 | 703.2 | 702.3  | 701.4 | 700.6 | 696.1 | 685.9 | 681.9 | 675.2 | 674.8 |
| 7.5°   | 748.1 | 748.1 | 743.6 | 740.5  | 736.5 | 733.4 | 727.6 | 712.5 | 706.3 | 698.3 | 693.9 |
| 10°    | 784.0 | 772.5 | 777.4 | 774.2  | 764.5 | 762.7 | 752.1 | 743.2 | 731.2 | 723.2 | 716.1 |
| 12.5°  | 809.8 | 806.2 | 801.8 | 799.1  | 796.4 | 790.7 | 783.6 | 760.9 | 754.7 | 738.7 | 730.7 |
| 15°    | 808.9 | 806.7 | 808.0 | 808.0  | 807.1 | 805.8 | 800.0 | 783.6 | 772.9 | 757.4 | 743.6 |
| 17.5°  | 765.4 | 771.1 | 776.9 | 780.9  | 789.8 | 793.8 | 799.1 | 789.3 | 782.7 | 769.4 | 754.7 |
| 20°    | 689.5 | 703.7 | 720.5 | 724.1  | 732.1 | 755.6 | 766.3 | 774.7 | 777.4 | 772.9 | 760.9 |
| 22.5°  | 583.8 | 595.8 | 636.6 | 635.7  | 647.3 | 675.2 | 706.3 | 731.6 | 751.6 | 762.7 | 758.3 |
| 25°    | 457.3 | 474.1 | 495.9 | 512.3  | 550.1 | 591.8 | 630.4 | 670.8 | 705.4 | 736.1 | 743.6 |
| 27.5°  | 345.8 | 368.0 | 385.3 | 407.1  | 426.2 | 475.5 | 525.2 | 588.2 | 628.6 | 686.8 | 717.0 |
| 30°    | 279.7 | 289.9 | 307.2 | 317.4  | 326.7 | 364.5 | 420.9 | 483.0 | 554.0 | 621.1 | 673.0 |
| 32.5°  | 238.8 | 245.9 | 258.8 | 263.3  | 273.0 | 298.3 | 333.8 | 390.7 | 463.9 | 545.2 | 613.5 |
| 35°    | 214.4 | 222.0 | 224.6 | 228.6  | 236.6 | 252.6 | 277.0 | 318.3 | 384.5 | 463.9 | 545.6 |
| 37.5°  | 193.6 | 197.6 | 205.1 | 207.8  | 210.4 | 222.4 | 238.8 | 267.7 | 311.7 | 376.9 | 467.5 |
| 40°    | 178.9 | 181.1 | 185.1 | 187.3  | 189.1 | 197.6 | 212.2 | 231.7 | 264.1 | 313.9 | 397.3 |
| 42.5°  | 163.4 | 166.0 | 168.7 | 171.4  | 173.6 | 180.2 | 189.1 | 207.8 | 229.5 | 267.3 | 327.6 |
| 45°    | 148.3 | 150.1 | 153.2 | 154.9  | 158.0 | 163.4 | 171.4 | 184.2 | 203.8 | 227.7 | 276.6 |
| 47.5°  | 134.5 | 136.7 | 138.1 | 140.3  | 142.5 | 148.3 | 155.8 | 164.3 | 180.2 | 203.8 | 239.3 |
| 50°    | 122.1 | 124.7 | 126.5 | 127.0  | 128.7 | 134.1 | 140.3 | 149.6 | 159.8 | 178.0 | 209.1 |
| 52.5°  | 113.2 | 113.7 | 115.0 | 116.8  | 116.3 | 119.4 | 125.2 | 132.3 | 143.0 | 157.6 | 180.2 |
| 55°    | 103.0 | 104.3 | 105.2 | 105.7  | 105.7 | 108.3 | 111.4 | 118.1 | 126.5 | 138.5 | 157.6 |
| 57.5°  | 90.1  | 91.5  | 94.1  | 95.0   | 96.3  | 97.7  | 99.0  | 103.4 | 110.5 | 122.1 | 137.6 |
| 60°    | 76.8  | 77.7  | 80.4  | 82.1   | 83.0  | 86.6  | 88.3  | 91.9  | 95.9  | 104.3 | 119.0 |
| 62.5°  | 61.7  | 62.6  | 63.9  | 65.7   | 67.5  | 72.8  | 77.2  | 80.8  | 83.9  | 89.7  | 101.7 |
| 65°    | 53.7  | 54.2  | 55.0  | 55.5   | 55.9  | 58.2  | 62.2  | 67.0  | 72.8  | 77.2  | 84.4  |
| 67.5°  | 46.6  | 47.1  | 47.5  | 48.4   | 48.8  | 49.3  | 51.1  | 52.4  | 58.2  | 64.4  | 69.7  |
| 70°    | 40.0  | 40.8  | 41.3  | 41.3   | 41.7  | 42.6  | 43.5  | 45.3  | 47.1  | 50.2  | 56.8  |
| 72.5°  | 33.7  | 34.2  | 35.1  | 35.1   | 35.1  | 36.0  | 36.8  | 37.7  | 38.6  | 40.4  | 43.1  |
| 75°    | 28.0  | 28.9  | 28.9  | 28.9   | 29.3  | 29.3  | 30.2  | 31.1  | 32.0  | 33.3  | 34.2  |
| 77.5°  | 23.1  | 23.1  | 23.1  | 23.1   | 23.5  | 23.5  | 24.0  | 24.9  | 25.3  | 25.7  | 26.6  |
| 80°    | 17.3  | 17.8  | 17.8  | 17.8   | 18.2  | 18.2  | 18.2  | 19.1  | 19.5  | 19.5  | 20.4  |
| 82.5°  | 12.9  | 12.9  | 12.9  | 13.3   | 12.9  | 13.3  | 13.3  | 13.8  | 13.3  | 13.8  | 14.2  |
| 85°    | 8.0   | 8.0   | 8.0   | 8.4    | 8.4   | 8.4   | 8.4   | 8.4   | 8.4   | 8.4   | 8.9   |
| 87.5°  | 4.0   | 4.0   | 4.0   | 4.0    | 4.0   | 4.0   | 4.0   | 4.0   | 4.4   | 4.0   | 4.0   |
| 90°    | 23.7  | 23.3  | 22.9  | 22.7   | 22.2  | 21.2  | 20.2  | 19.2  | 18.2  | 16.6  | 15.0  |
| 92.5°  | 24.1  | 23.9  | 23.7  | 23.6   | 23.4  | 23.0  | 22.6  | 22.2  | 21.8  | 21.2  | 20.6  |
| 95°    | 39.4  | 39.7  | 39.9  | 40.0   | 39.5  | 38.5  | 37.4  | 36.4  | 35.4  | 34.0  | 32.6  |
| 97.5°  | 49.5  | 49.3  | 49.1  | 49.0   | 48.7  | 48.1  | 47.5  | 46.9  | 46.3  | 43.1  | 39.9  |
| 100°   | 60.0  | 59.6  | 59.2  | 59.0   | 58.2  | 56.6  | 55.0  | 53.4  | 51.8  | 48.4  | 44.9  |
| 102.5° | 65.1  | 64.5  | 63.9  | 63.6   | 62.5  | 60.3  | 58.0  | 55.8  | 53.6  | 90.3  | 127.0 |
| 105°   | 67.4  | 66.6  | 65.8  | 65.4   | 64.3  | 62.1  | 59.8  | 57.6  | 55.4  | 110.5 | 165.6 |
| 107.5° | 69.2  | 68.4  | 67.6  | 67.2   | 66.1  | 63.9  | 61.6  | 59.4  | 57.2  | 125.2 | 193.2 |
| 110°   | 70.1  | 69.3  | 68.5  | 68.1   | 78.2  | 98.4  | 118.5 | 138.7 | 158.9 | 217.2 | 275.5 |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 71.4   | 70.8   | 70.2   | 69.9   | 113.4  | 200.4  | 287.3  | 374.3  | 461.3  | 464.7  | 468.1  |
| 115°   | 103.5  | 118.0  | 132.5  | 139.8  | 186.5  | 279.9  | 373.4  | 466.8  | 560.2  | 555.2  | 550.1  |
| 117.5° | 347.2  | 400.1  | 453.0  | 479.4  | 493.8  | 522.7  | 551.6  | 580.4  | 609.3  | 605.9  | 602.4  |
| 120°   | 608.4  | 635.6  | 662.9  | 676.5  | 675.3  | 672.9  | 670.4  | 668.0  | 665.6  | 662.0  | 658.3  |
| 122.5° | 725.1  | 724.9  | 724.7  | 724.6  | 724.0  | 722.8  | 721.5  | 720.3  | 719.1  | 715.1  | 711.1  |
| 125°   | 775.1  | 774.5  | 773.9  | 773.6  | 772.9  | 771.5  | 770.1  | 768.7  | 767.3  | 763.5  | 759.6  |
| 127.5° | 821.3  | 821.1  | 820.9  | 820.8  | 819.8  | 817.8  | 815.8  | 813.8  | 811.8  | 808.8  | 805.7  |
| 130°   | 863.9  | 864.1  | 864.3  | 864.4  | 863.3  | 861.1  | 858.8  | 856.6  | 854.4  | 852.2  | 850.0  |
| 132.5° | 904.8  | 905.0  | 905.2  | 905.3  | 904.4  | 902.6  | 900.7  | 898.9  | 897.1  | 894.9  | 892.7  |
| 135°   | 944.2  | 944.6  | 945.0  | 945.2  | 944.2  | 942.2  | 940.1  | 938.1  | 936.1  | 934.3  | 932.5  |
| 137.5° | 980.9  | 981.6  | 982.2  | 982.5  | 981.5  | 979.5  | 977.4  | 975.4  | 973.4  | 971.4  | 969.4  |
| 140°   | 1015.3 | 1016.4 | 1017.4 | 1017.9 | 1017.0 | 1015.2 | 1013.3 | 1011.5 | 1009.7 | 1007.5 | 1005.3 |
| 142.5° | 1048.0 | 1049.1 | 1050.1 | 1050.6 | 1049.8 | 1048.2 | 1046.5 | 1044.9 | 1043.3 | 1040.7 | 1038.1 |
| 145°   | 1078.0 | 1079.0 | 1080.0 | 1080.5 | 1079.8 | 1078.4 | 1077.0 | 1075.6 | 1074.2 | 1070.8 | 1067.3 |
| 147.5° | 1104.8 | 1105.7 | 1106.5 | 1106.9 | 1106.4 | 1105.4 | 1104.3 | 1103.3 | 1102.3 | 1098.9 | 1095.5 |
| 150°   | 1129.7 | 1130.8 | 1131.8 | 1132.3 | 1131.7 | 1130.5 | 1129.2 | 1128.0 | 1126.8 | 1123.6 | 1120.4 |
| 152.5° | 1151.4 | 1152.9 | 1154.3 | 1155.0 | 1154.4 | 1153.2 | 1151.9 | 1150.7 | 1149.5 | 1146.5 | 1143.5 |
| 155°   | 1170.9 | 1172.6 | 1174.2 | 1175.0 | 1174.4 | 1173.2 | 1171.9 | 1170.7 | 1169.5 | 1167.1 | 1164.7 |
| 157.5° | 1189.0 | 1190.7 | 1192.3 | 1193.1 | 1192.4 | 1191.0 | 1189.6 | 1188.2 | 1186.8 | 1185.0 | 1183.2 |
| 160°   | 1204.1 | 1205.5 | 1206.9 | 1207.6 | 1207.0 | 1205.8 | 1204.6 | 1203.4 | 1202.2 | 1201.0 | 1199.8 |
| 162.5° | 1217.6 | 1219.5 | 1221.3 | 1222.2 | 1221.5 | 1220.1 | 1218.6 | 1217.2 | 1215.8 | 1214.8 | 1213.8 |
| 165°   | 1229.5 | 1231.0 | 1232.4 | 1233.1 | 1232.4 | 1231.0 | 1229.5 | 1228.1 | 1226.7 | 1226.1 | 1225.5 |
| 167.5° | 1238.5 | 1240.4 | 1242.2 | 1243.1 | 1242.4 | 1241.0 | 1239.5 | 1238.1 | 1236.7 | 1236.1 | 1235.5 |
| 170°   | 1245.7 | 1247.6 | 1249.4 | 1250.3 | 1249.6 | 1248.2 | 1246.8 | 1245.4 | 1244.0 | 1243.6 | 1243.2 |
| 172.5° | 1251.2 | 1253.1 | 1254.9 | 1255.8 | 1255.1 | 1253.7 | 1252.2 | 1250.8 | 1249.4 | 1249.0 | 1248.6 |
| 175°   | 1254.3 | 1256.4 | 1258.4 | 1259.4 | 1258.7 | 1257.3 | 1255.8 | 1254.4 | 1253.0 | 1252.6 | 1252.2 |
| 177.5° | 1255.7 | 1257.6 | 1259.4 | 1260.3 | 1259.6 | 1258.2 | 1256.7 | 1255.3 | 1253.9 | 1253.7 | 1253.5 |
| 180°   | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 638.8 | 638.8 | 638.8  | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 |
| 2.5°   | 652.2 | 649.9 | 649.9  | 648.6 | 648.6 | 641.5 | 641.5 | 643.7 | 641.1 | 638.0 | 633.5 |
| 5°     | 669.0 | 664.1 | 662.8  | 661.0 | 655.3 | 646.4 | 642.8 | 641.5 | 636.2 | 629.5 | 622.0 |
| 7.5°   | 685.0 | 677.0 | 673.0  | 669.0 | 661.5 | 649.1 | 642.0 | 637.1 | 629.1 | 618.9 | 609.1 |
| 10°    | 700.6 | 690.3 | 680.1  | 675.2 | 664.6 | 649.1 | 638.8 | 630.9 | 619.3 | 605.5 | 591.8 |
| 12.5°  | 714.8 | 693.4 | 691.7  | 681.9 | 666.4 | 648.6 | 633.1 | 621.5 | 606.9 | 590.9 | 574.9 |
| 15°    | 727.2 | 705.4 | 694.8  | 685.9 | 665.5 | 643.3 | 626.9 | 612.6 | 593.1 | 574.9 | 555.4 |
| 17.5°  | 733.4 | 709.9 | 702.8  | 688.1 | 667.3 | 638.4 | 616.2 | 598.9 | 577.6 | 555.8 | 533.6 |
| 20°    | 739.6 | 712.1 | 700.6  | 690.3 | 661.9 | 629.1 | 604.2 | 584.2 | 560.7 | 535.0 | 510.5 |
| 22.5°  | 742.7 | 712.1 | 698.3  | 684.1 | 656.6 | 618.9 | 589.6 | 566.0 | 538.5 | 512.3 | 483.0 |
| 25°    | 737.4 | 709.4 | 693.0  | 678.4 | 647.3 | 606.4 | 572.7 | 546.1 | 516.8 | 487.0 | 457.3 |
| 27.5°  | 724.1 | 703.2 | 684.1  | 669.0 | 634.4 | 590.5 | 554.9 | 524.7 | 494.6 | 461.3 | 431.1 |
| 30°    | 699.2 | 689.9 | 674.8  | 657.9 | 620.2 | 576.2 | 534.1 | 503.0 | 469.7 | 436.4 | 404.9 |
| 32.5°  | 660.6 | 668.6 | 658.8  | 644.2 | 603.3 | 556.7 | 511.9 | 480.4 | 443.9 | 408.0 | 379.1 |
| 35°    | 613.5 | 642.0 | 636.6  | 626.4 | 585.6 | 535.8 | 491.0 | 452.8 | 416.4 | 380.0 | 351.2 |
| 37.5°  | 562.0 | 605.1 | 609.5  | 603.3 | 565.1 | 514.5 | 465.3 | 428.0 | 390.7 | 353.8 | 324.5 |
| 40°    | 491.5 | 557.6 | 571.8  | 574.5 | 543.8 | 488.8 | 437.3 | 400.9 | 364.0 | 328.1 | 292.6 |
| 42.5°  | 426.6 | 510.1 | 527.9  | 539.0 | 516.8 | 463.5 | 411.5 | 371.1 | 334.7 | 302.3 | 266.8 |
| 45°    | 365.8 | 452.8 | 481.7  | 495.9 | 486.1 | 434.6 | 380.9 | 343.2 | 309.9 | 280.1 | 245.9 |
| 47.5°  | 303.2 | 390.7 | 431.1  | 453.7 | 453.7 | 405.3 | 351.6 | 314.3 | 282.4 | 257.0 | 226.9 |
| 50°    | 261.5 | 334.3 | 376.0  | 405.8 | 413.8 | 375.6 | 325.0 | 288.6 | 258.4 | 230.9 | 207.8 |
| 52.5°  | 222.9 | 288.1 | 322.8  | 353.8 | 376.9 | 343.6 | 295.2 | 262.4 | 232.6 | 206.9 | 188.7 |
| 55°    | 192.7 | 241.5 | 273.0  | 307.2 | 333.0 | 311.2 | 266.4 | 234.4 | 208.7 | 187.3 | 171.8 |
| 57.5°  | 163.8 | 206.4 | 232.2  | 262.4 | 289.9 | 273.5 | 237.5 | 210.0 | 187.3 | 168.7 | 154.9 |
| 60°    | 139.4 | 174.0 | 194.0  | 217.5 | 251.7 | 240.2 | 210.4 | 185.1 | 166.9 | 150.1 | 138.5 |
| 62.5°  | 118.5 | 146.1 | 162.9  | 179.8 | 210.9 | 205.5 | 182.5 | 162.9 | 147.4 | 133.2 | 123.4 |
| 65°    | 97.2  | 119.9 | 133.2  | 147.8 | 172.7 | 174.9 | 156.3 | 142.5 | 128.3 | 115.9 | 107.0 |
| 67.5°  | 78.6  | 96.3  | 108.3  | 120.8 | 140.7 | 146.9 | 134.1 | 122.5 | 110.5 | 100.3 | 92.3  |
| 70°    | 63.5  | 75.9  | 84.8   | 94.6  | 111.0 | 118.5 | 111.9 | 103.9 | 94.1  | 85.7  | 78.6  |
| 72.5°  | 50.2  | 58.2  | 63.5   | 71.0  | 84.4  | 91.9  | 91.5  | 84.4  | 77.2  | 71.5  | 65.7  |
| 75°    | 36.8  | 43.1  | 47.5   | 52.4  | 63.0  | 70.1  | 71.9  | 68.8  | 61.7  | 57.3  | 52.8  |
| 77.5°  | 28.0  | 31.5  | 33.7   | 37.3  | 44.8  | 51.1  | 53.7  | 52.8  | 47.9  | 44.4  | 41.3  |
| 80°    | 21.3  | 22.2  | 23.1   | 24.4  | 30.6  | 36.4  | 38.2  | 37.7  | 35.1  | 33.7  | 30.2  |
| 82.5°  | 15.1  | 15.5  | 16.0   | 16.4  | 18.6  | 23.5  | 25.3  | 26.2  | 24.0  | 22.6  | 19.5  |
| 85°    | 8.9   | 9.3   | 9.3    | 10.2  | 10.7  | 12.0  | 15.1  | 15.1  | 14.7  | 12.9  | 12.4  |
| 87.5°  | 4.4   | 4.4   | 4.0    | 4.0   | 4.4   | 4.9   | 5.8   | 6.7   | 5.8   | 5.3   | 4.9   |
| 90°    | 13.3  | 11.7  | 10.9   | 9.8   | 7.6   | 5.3   | 3.1   | 0.9   | 3.1   | 5.3   | 7.6   |
| 92.5°  | 20.0  | 19.4  | 19.1   | 19.5  | 20.3  | 21.1  | 21.9  | 22.7  | 21.9  | 21.1  | 20.3  |
| 95°    | 31.2  | 29.8  | 29.1   | 32.4  | 39.1  | 45.7  | 52.4  | 59.0  | 52.4  | 45.7  | 39.1  |
| 97.5°  | 36.6  | 33.4  | 31.8   | 40.1  | 56.6  | 73.1  | 89.7  | 106.2 | 89.7  | 73.1  | 56.6  |
| 100°   | 41.5  | 38.0  | 36.3   | 50.1  | 77.8  | 105.4 | 133.1 | 160.7 | 133.1 | 105.4 | 77.8  |
| 102.5° | 163.7 | 200.4 | 218.8  | 219.0 | 219.4 | 219.8 | 220.2 | 220.6 | 220.2 | 219.8 | 219.4 |
| 105°   | 220.7 | 275.8 | 303.3  | 300.3 | 294.2 | 288.1 | 282.1 | 276.0 | 282.1 | 288.1 | 294.2 |
| 107.5° | 261.2 | 329.2 | 363.2  | 360.7 | 355.6 | 350.6 | 345.5 | 340.5 | 345.5 | 350.6 | 355.6 |
| 110°   | 333.8 | 392.1 | 421.3  | 419.2 | 414.9 | 410.7 | 406.4 | 402.2 | 406.4 | 410.7 | 414.9 |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 471.6  | 475.0  | 476.7  | 474.9  | 471.3  | 467.6  | 464.0  | 460.4  | 464.0  | 467.6  | 471.3  |
| 115°   | 545.1  | 540.0  | 537.5  | 535.8  | 532.4  | 528.9  | 525.5  | 522.1  | 525.5  | 528.9  | 532.4  |
| 117.5° | 599.0  | 595.5  | 593.8  | 591.8  | 587.8  | 583.7  | 579.7  | 575.7  | 579.7  | 583.7  | 587.8  |
| 120°   | 654.7  | 651.0  | 649.2  | 647.7  | 644.7  | 641.6  | 638.6  | 635.6  | 638.6  | 641.6  | 644.7  |
| 122.5° | 707.0  | 703.0  | 701.0  | 699.4  | 696.1  | 692.9  | 689.6  | 686.4  | 689.6  | 692.9  | 696.1  |
| 125°   | 755.8  | 751.9  | 750.0  | 748.7  | 746.1  | 743.4  | 740.8  | 738.2  | 740.8  | 743.4  | 746.1  |
| 127.5° | 802.7  | 799.6  | 798.1  | 796.7  | 793.9  | 791.0  | 788.2  | 785.4  | 788.2  | 791.0  | 793.9  |
| 130°   | 847.7  | 845.5  | 844.4  | 842.8  | 839.6  | 836.3  | 833.1  | 829.9  | 833.1  | 836.3  | 839.6  |
| 132.5° | 890.4  | 888.2  | 887.1  | 885.8  | 883.2  | 880.5  | 877.9  | 875.3  | 877.9  | 880.5  | 883.2  |
| 135°   | 930.7  | 928.9  | 928.0  | 926.4  | 923.1  | 919.9  | 916.6  | 913.4  | 916.6  | 919.9  | 923.1  |
| 137.5° | 967.3  | 965.3  | 964.3  | 963.1  | 960.7  | 958.2  | 955.8  | 953.4  | 955.8  | 958.2  | 960.7  |
| 140°   | 1003.0 | 1000.8 | 999.7  | 998.9  | 997.3  | 995.6  | 994.0  | 992.4  | 994.0  | 995.6  | 997.3  |
| 142.5° | 1035.4 | 1032.8 | 1031.5 | 1030.8 | 1029.4 | 1027.9 | 1026.5 | 1025.1 | 1026.5 | 1027.9 | 1029.4 |
| 145°   | 1063.9 | 1060.4 | 1058.7 | 1058.8 | 1059.0 | 1059.2 | 1059.4 | 1059.6 | 1059.4 | 1059.2 | 1059.0 |
| 147.5° | 1092.0 | 1088.6 | 1086.9 | 1087.2 | 1087.8 | 1088.4 | 1089.0 | 1089.6 | 1089.0 | 1088.4 | 1087.8 |
| 150°   | 1117.1 | 1113.9 | 1112.3 | 1113.0 | 1114.4 | 1115.9 | 1117.3 | 1118.7 | 1117.3 | 1115.9 | 1114.4 |
| 152.5° | 1140.4 | 1137.4 | 1135.9 | 1136.7 | 1138.3 | 1140.0 | 1141.6 | 1143.2 | 1141.6 | 1140.0 | 1138.3 |
| 155°   | 1162.2 | 1159.8 | 1158.6 | 1159.5 | 1161.3 | 1163.2 | 1165.0 | 1166.8 | 1165.0 | 1163.2 | 1161.3 |
| 157.5° | 1181.3 | 1179.5 | 1178.6 | 1179.4 | 1181.0 | 1182.6 | 1184.2 | 1185.8 | 1184.2 | 1182.6 | 1181.0 |
| 160°   | 1198.5 | 1197.3 | 1196.7 | 1197.3 | 1198.5 | 1199.8 | 1201.0 | 1202.2 | 1201.0 | 1199.8 | 1198.5 |
| 162.5° | 1212.8 | 1211.8 | 1211.3 | 1211.9 | 1213.1 | 1214.3 | 1215.5 | 1216.7 | 1215.5 | 1214.3 | 1213.1 |
| 165°   | 1224.9 | 1224.3 | 1224.0 | 1224.6 | 1225.8 | 1227.0 | 1228.2 | 1229.4 | 1228.2 | 1227.0 | 1225.8 |
| 167.5° | 1234.9 | 1234.3 | 1234.0 | 1234.6 | 1235.8 | 1237.0 | 1238.2 | 1239.4 | 1238.2 | 1237.0 | 1235.8 |
| 170°   | 1242.7 | 1242.3 | 1242.1 | 1242.7 | 1243.9 | 1245.2 | 1246.4 | 1247.6 | 1246.4 | 1245.2 | 1243.9 |
| 172.5° | 1248.2 | 1247.8 | 1247.6 | 1248.2 | 1249.4 | 1250.6 | 1251.8 | 1253.0 | 1251.8 | 1250.6 | 1249.4 |
| 175°   | 1251.8 | 1251.4 | 1251.2 | 1251.9 | 1253.3 | 1254.8 | 1256.2 | 1257.6 | 1256.2 | 1254.8 | 1253.3 |
| 177.5° | 1253.3 | 1253.1 | 1253.0 | 1253.7 | 1255.1 | 1256.6 | 1258.0 | 1259.4 | 1258.0 | 1256.6 | 1255.1 |
| 180°   | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 638.8 | 638.8  | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 |
| 2.5°   | 631.7 | 632.2  | 633.5 | 629.5 | 623.3 | 620.6 | 612.6 | 611.3 | 610.0 | 610.0 | 611.3 |
| 5°     | 617.5 | 615.8  | 616.2 | 608.7 | 599.8 | 594.4 | 583.3 | 585.1 | 579.4 | 575.8 | 576.7 |
| 7.5°   | 602.0 | 597.1  | 596.7 | 586.9 | 575.8 | 566.0 | 554.5 | 551.8 | 546.5 | 540.3 | 537.6 |
| 10°    | 582.5 | 578.9  | 572.3 | 561.2 | 546.9 | 539.0 | 523.4 | 514.1 | 512.8 | 503.4 | 499.9 |
| 12.5°  | 562.5 | 556.3  | 549.6 | 534.1 | 518.1 | 505.2 | 493.7 | 483.5 | 476.4 | 468.4 | 463.0 |
| 15°    | 539.4 | 531.9  | 524.3 | 507.9 | 489.2 | 476.4 | 459.0 | 443.9 | 423.1 | 406.7 | 397.3 |
| 17.5°  | 514.1 | 505.7  | 495.4 | 477.2 | 459.0 | 441.3 | 409.3 | 391.6 | 376.9 | 367.1 | 361.4 |
| 20°    | 487.9 | 478.6  | 468.4 | 450.2 | 418.6 | 387.6 | 369.8 | 356.0 | 347.2 | 337.4 | 330.3 |
| 22.5°  | 460.4 | 450.6  | 439.5 | 411.1 | 377.8 | 356.0 | 342.3 | 329.4 | 316.5 | 311.2 | 307.7 |
| 25°    | 434.6 | 425.7  | 411.5 | 372.9 | 346.7 | 326.7 | 311.2 | 302.8 | 296.1 | 289.0 | 282.4 |
| 27.5°  | 408.0 | 391.6  | 371.6 | 339.2 | 322.8 | 302.3 | 291.2 | 285.0 | 273.5 | 268.6 | 265.5 |
| 30°    | 376.0 | 357.8  | 338.7 | 315.6 | 296.6 | 282.4 | 272.1 | 261.9 | 255.3 | 250.4 | 245.1 |
| 32.5°  | 343.6 | 326.3  | 314.3 | 290.3 | 276.1 | 261.5 | 251.7 | 245.5 | 235.7 | 232.6 | 230.4 |
| 35°    | 315.6 | 301.0  | 290.3 | 270.8 | 257.5 | 244.2 | 237.1 | 227.7 | 221.5 | 215.8 | 212.2 |
| 37.5°  | 288.1 | 280.1  | 269.0 | 252.6 | 238.4 | 227.7 | 218.0 | 214.9 | 206.4 | 203.3 | 199.8 |
| 40°    | 269.0 | 257.0  | 247.7 | 233.5 | 221.5 | 210.0 | 203.8 | 196.7 | 190.9 | 186.0 | 184.7 |
| 42.5°  | 245.9 | 237.1  | 231.7 | 216.2 | 203.8 | 197.1 | 189.6 | 181.6 | 177.1 | 173.1 | 168.3 |
| 45°    | 228.6 | 220.6  | 213.1 | 200.7 | 189.6 | 181.1 | 174.5 | 169.1 | 161.6 | 159.8 | 152.3 |
| 47.5°  | 210.4 | 202.4  | 196.7 | 184.2 | 174.0 | 166.0 | 161.2 | 154.1 | 147.8 | 143.8 | 140.3 |
| 50°    | 192.2 | 185.6  | 180.2 | 169.6 | 160.7 | 152.3 | 145.6 | 138.5 | 135.8 | 129.2 | 127.0 |
| 52.5°  | 174.9 | 170.5  | 164.7 | 154.5 | 145.6 | 138.5 | 131.4 | 125.6 | 121.6 | 118.1 | 115.4 |
| 55°    | 160.3 | 153.2  | 150.5 | 139.4 | 131.9 | 124.3 | 118.1 | 114.5 | 109.7 | 107.4 | 105.2 |
| 57.5°  | 143.8 | 139.8  | 135.4 | 127.0 | 118.5 | 111.4 | 107.0 | 101.7 | 99.0  | 96.3  | 94.6  |
| 60°    | 129.6 | 123.9  | 120.3 | 113.2 | 105.7 | 99.0  | 95.0  | 91.0  | 87.5  | 85.2  | 81.7  |
| 62.5°  | 113.2 | 108.8  | 106.5 | 99.0  | 92.8  | 86.6  | 83.0  | 79.0  | 76.4  | 72.4  | 67.9  |
| 65°    | 99.0  | 95.4   | 92.8  | 86.6  | 80.8  | 75.0  | 71.5  | 66.6  | 63.0  | 60.8  | 60.4  |
| 67.5°  | 86.6  | 83.9   | 79.9  | 74.1  | 68.4  | 63.9  | 59.9  | 55.9  | 55.5  | 54.6  | 54.6  |
| 70°    | 72.8  | 70.1   | 67.9  | 61.7  | 56.8  | 51.9  | 51.1  | 49.7  | 48.4  | 47.9  | 47.1  |
| 72.5°  | 60.8  | 58.6   | 55.9  | 50.6  | 45.7  | 44.4  | 43.5  | 42.6  | 41.3  | 40.8  | 40.4  |
| 75°    | 49.3  | 46.2   | 44.4  | 39.5  | 38.2  | 37.3  | 36.4  | 35.1  | 34.2  | 33.7  | 32.9  |
| 77.5°  | 37.7  | 34.6   | 34.6  | 32.0  | 31.1  | 29.7  | 28.9  | 28.0  | 27.5  | 26.6  | 26.6  |
| 80°    | 26.6  | 26.6   | 25.7  | 24.4  | 23.1  | 22.6  | 21.3  | 20.9  | 20.4  | 20.9  | 20.0  |
| 82.5°  | 19.5  | 17.8   | 17.8  | 16.9  | 16.0  | 15.5  | 14.7  | 14.7  | 14.2  | 14.2  | 14.2  |
| 85°    | 11.1  | 11.1   | 10.7  | 9.8   | 9.3   | 9.3   | 8.9   | 8.9   | 8.4   | 8.4   | 8.0   |
| 87.5°  | 4.4   | 4.0    | 4.4   | 4.0   | 4.0   | 3.6   | 3.6   | 3.6   | 3.1   | 3.6   | 3.1   |
| 90°    | 9.8   | 10.9   | 11.7  | 13.3  | 15.0  | 16.6  | 18.2  | 19.2  | 20.2  | 21.2  | 22.2  |
| 92.5°  | 19.5  | 19.1   | 19.4  | 20.0  | 20.6  | 21.2  | 21.8  | 22.2  | 22.6  | 23.0  | 23.4  |
| 95°    | 32.4  | 29.1   | 29.8  | 31.2  | 32.6  | 34.0  | 35.4  | 36.4  | 37.4  | 38.5  | 39.5  |
| 97.5°  | 40.1  | 31.8   | 33.4  | 36.6  | 39.9  | 43.1  | 46.3  | 46.9  | 47.5  | 48.1  | 48.7  |
| 100°   | 50.1  | 36.3   | 38.0  | 41.5  | 44.9  | 48.4  | 51.8  | 53.4  | 55.0  | 56.6  | 58.2  |
| 102.5° | 219.0 | 218.8  | 200.4 | 163.7 | 127.0 | 90.3  | 53.6  | 55.8  | 58.0  | 60.3  | 62.5  |
| 105°   | 300.3 | 303.3  | 275.8 | 220.7 | 165.6 | 110.5 | 55.4  | 57.6  | 59.8  | 62.1  | 64.3  |
| 107.5° | 360.7 | 363.2  | 329.2 | 261.2 | 193.2 | 125.2 | 57.2  | 59.4  | 61.6  | 63.9  | 66.1  |
| 110°   | 419.2 | 421.3  | 392.1 | 333.8 | 275.5 | 217.2 | 158.9 | 138.7 | 118.5 | 98.4  | 78.2  |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 474.9  | 476.7  | 475.0  | 471.6  | 468.1  | 464.7  | 461.3  | 374.3  | 287.3  | 200.4  | 113.4  |
| 115°   | 535.8  | 537.5  | 540.0  | 545.1  | 550.1  | 555.2  | 560.2  | 466.8  | 373.4  | 279.9  | 186.5  |
| 117.5° | 591.8  | 593.8  | 595.5  | 599.0  | 602.4  | 605.9  | 609.3  | 580.4  | 551.6  | 522.7  | 493.8  |
| 120°   | 647.7  | 649.2  | 651.0  | 654.7  | 658.3  | 662.0  | 665.6  | 668.0  | 670.4  | 672.9  | 675.3  |
| 122.5° | 699.4  | 701.0  | 703.0  | 707.0  | 711.1  | 715.1  | 719.1  | 720.3  | 721.5  | 722.8  | 724.0  |
| 125°   | 748.7  | 750.0  | 751.9  | 755.8  | 759.6  | 763.5  | 767.3  | 768.7  | 770.1  | 771.5  | 772.9  |
| 127.5° | 796.7  | 798.1  | 799.6  | 802.7  | 805.7  | 808.8  | 811.8  | 813.8  | 815.8  | 817.8  | 819.8  |
| 130°   | 842.8  | 844.4  | 845.5  | 847.7  | 850.0  | 852.2  | 854.4  | 856.6  | 858.8  | 861.1  | 863.3  |
| 132.5° | 885.8  | 887.1  | 888.2  | 890.4  | 892.7  | 894.9  | 897.1  | 898.9  | 900.7  | 902.6  | 904.4  |
| 135°   | 926.4  | 928.0  | 928.9  | 930.7  | 932.5  | 934.3  | 936.1  | 938.1  | 940.1  | 942.2  | 944.2  |
| 137.5° | 963.1  | 964.3  | 965.3  | 967.3  | 969.4  | 971.4  | 973.4  | 975.4  | 977.4  | 979.5  | 981.5  |
| 140°   | 998.9  | 999.7  | 1000.8 | 1003.0 | 1005.3 | 1007.5 | 1009.7 | 1011.5 | 1013.3 | 1015.2 | 1017.0 |
| 142.5° | 1030.8 | 1031.5 | 1032.8 | 1035.4 | 1038.1 | 1040.7 | 1043.3 | 1044.9 | 1046.5 | 1048.2 | 1049.8 |
| 145°   | 1058.8 | 1058.7 | 1060.4 | 1063.9 | 1067.3 | 1070.8 | 1074.2 | 1075.6 | 1077.0 | 1078.4 | 1079.8 |
| 147.5° | 1087.2 | 1086.9 | 1088.6 | 1092.0 | 1095.5 | 1098.9 | 1102.3 | 1103.3 | 1104.3 | 1105.4 | 1106.4 |
| 150°   | 1113.0 | 1112.3 | 1113.9 | 1117.1 | 1120.4 | 1123.6 | 1126.8 | 1128.0 | 1129.2 | 1130.5 | 1131.7 |
| 152.5° | 1136.7 | 1135.9 | 1137.4 | 1140.4 | 1143.5 | 1146.5 | 1149.5 | 1150.7 | 1151.9 | 1153.2 | 1154.4 |
| 155°   | 1159.5 | 1158.6 | 1159.8 | 1162.2 | 1164.7 | 1167.1 | 1169.5 | 1170.7 | 1171.9 | 1173.2 | 1174.4 |
| 157.5° | 1179.4 | 1178.6 | 1179.5 | 1181.3 | 1183.2 | 1185.0 | 1186.8 | 1188.2 | 1189.6 | 1191.0 | 1192.4 |
| 160°   | 1197.3 | 1196.7 | 1197.3 | 1198.5 | 1199.8 | 1201.0 | 1202.2 | 1203.4 | 1204.6 | 1205.8 | 1207.0 |
| 162.5° | 1211.9 | 1211.3 | 1211.8 | 1212.8 | 1213.8 | 1214.8 | 1215.8 | 1217.2 | 1218.6 | 1220.1 | 1221.5 |
| 165°   | 1224.6 | 1224.0 | 1224.3 | 1224.9 | 1225.5 | 1226.1 | 1226.7 | 1228.1 | 1229.5 | 1231.0 | 1232.4 |
| 167.5° | 1234.6 | 1234.0 | 1234.3 | 1234.9 | 1235.5 | 1236.1 | 1236.7 | 1238.1 | 1239.5 | 1241.0 | 1242.4 |
| 170°   | 1242.7 | 1242.1 | 1242.3 | 1242.7 | 1243.2 | 1243.6 | 1244.0 | 1245.4 | 1246.8 | 1248.2 | 1249.6 |
| 172.5° | 1248.2 | 1247.6 | 1247.8 | 1248.2 | 1248.6 | 1249.0 | 1249.4 | 1250.8 | 1252.2 | 1253.7 | 1255.1 |
| 175°   | 1251.9 | 1251.2 | 1251.4 | 1251.8 | 1252.2 | 1252.6 | 1253.0 | 1254.4 | 1255.8 | 1257.3 | 1258.7 |
| 177.5° | 1253.7 | 1253.0 | 1253.1 | 1253.3 | 1253.5 | 1253.7 | 1253.9 | 1255.3 | 1256.7 | 1258.2 | 1259.6 |
| 180°   | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 638.8  | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8  |
| 2.5°   | 611.3  | 610.4 | 607.8 | 608.7 | 607.3 | 607.3 | 606.4 | 606.4 | 606.4 | 608.7 | 607.3  |
| 5°     | 578.0  | 574.9 | 571.8 | 570.5 | 569.1 | 567.8 | 567.8 | 567.4 | 571.4 | 570.5 | 574.0  |
| 7.5°   | 536.7  | 535.8 | 529.6 | 529.6 | 527.4 | 526.5 | 528.7 | 529.2 | 529.6 | 530.5 | 532.7  |
| 10°    | 499.9  | 497.7 | 488.8 | 489.7 | 488.3 | 486.6 | 487.9 | 487.0 | 490.1 | 491.0 | 490.1  |
| 12.5°  | 456.4  | 452.4 | 442.6 | 437.7 | 432.4 | 428.4 | 433.3 | 429.7 | 442.2 | 445.7 | 455.5  |
| 15°    | 398.7  | 391.1 | 384.5 | 384.5 | 379.6 | 376.0 | 378.2 | 382.2 | 384.9 | 388.9 | 390.7  |
| 17.5°  | 360.0  | 356.9 | 351.6 | 348.5 | 347.2 | 345.8 | 345.8 | 347.6 | 353.4 | 352.9 | 356.5  |
| 20°    | 327.2  | 325.4 | 322.8 | 318.8 | 317.4 | 316.5 | 316.5 | 316.5 | 320.5 | 324.1 | 326.3  |
| 22.5°  | 304.5  | 303.2 | 301.4 | 296.1 | 293.5 | 292.6 | 294.8 | 296.1 | 299.2 | 301.9 | 304.1  |
| 25°    | 281.9  | 278.8 | 275.7 | 273.9 | 272.6 | 272.6 | 273.5 | 273.9 | 275.2 | 276.6 | 279.2  |
| 27.5°  | 263.3  | 261.0 | 256.6 | 251.7 | 251.7 | 250.4 | 251.3 | 252.2 | 255.3 | 259.7 | 261.9  |
| 30°    | 242.4  | 242.0 | 240.2 | 238.4 | 236.6 | 235.7 | 237.5 | 238.8 | 239.3 | 241.5 | 241.5  |
| 32.5°  | 227.3  | 224.2 | 221.1 | 219.3 | 218.4 | 218.0 | 218.4 | 220.2 | 220.2 | 222.9 | 226.0  |
| 35°    | 212.2  | 210.4 | 207.3 | 204.2 | 203.3 | 201.1 | 202.9 | 204.7 | 207.8 | 209.1 | 210.4  |
| 37.5°  | 195.8  | 193.6 | 192.2 | 191.3 | 189.6 | 190.0 | 188.7 | 191.3 | 194.0 | 193.6 | 194.4  |
| 40°    | 183.4  | 179.4 | 175.4 | 174.9 | 174.5 | 174.0 | 174.0 | 174.5 | 176.2 | 178.0 | 180.7  |
| 42.5°  | 167.4  | 166.0 | 162.5 | 158.9 | 158.0 | 157.2 | 156.3 | 158.0 | 161.6 | 164.7 | 166.0  |
| 45°    | 150.9  | 149.2 | 148.3 | 145.6 | 143.8 | 143.4 | 142.5 | 144.7 | 147.8 | 149.2 | 150.1  |
| 47.5°  | 135.8  | 135.4 | 132.7 | 133.2 | 131.9 | 132.3 | 131.9 | 133.2 | 133.2 | 134.5 | 135.4  |
| 50°    | 125.6  | 124.3 | 123.0 | 122.1 | 120.8 | 120.8 | 120.3 | 120.8 | 122.5 | 124.3 | 123.9  |
| 52.5°  | 115.4  | 113.2 | 112.8 | 112.3 | 111.4 | 112.3 | 111.0 | 111.4 | 113.2 | 114.1 | 113.7  |
| 55°    | 103.4  | 103.0 | 102.1 | 101.2 | 100.8 | 100.3 | 100.3 | 100.3 | 102.1 | 103.4 | 103.9  |
| 57.5°  | 94.1   | 91.9  | 90.1  | 90.1  | 88.3  | 87.9  | 88.8  | 89.2  | 90.6  | 91.5  | 92.3   |
| 60°    | 81.2   | 80.4  | 77.7  | 76.4  | 73.7  | 73.3  | 73.3  | 75.0  | 77.2  | 80.4  | 81.2   |
| 62.5°  | 67.5   | 66.1  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 66.1  | 66.1   |
| 65°    | 59.9   | 60.4  | 59.9  | 59.5  | 59.9  | 59.9  | 59.5  | 59.5  | 59.5  | 59.9  | 60.4   |
| 67.5°  | 53.7   | 53.3  | 53.7  | 53.3  | 52.8  | 52.8  | 52.4  | 52.8  | 53.3  | 53.7  | 53.7   |
| 70°    | 46.6   | 46.6  | 46.2  | 46.6  | 46.2  | 45.7  | 45.3  | 45.3  | 46.2  | 46.6  | 46.6   |
| 72.5°  | 40.0   | 40.0  | 39.5  | 39.5  | 38.6  | 38.6  | 39.1  | 38.6  | 38.6  | 40.0  | 40.0   |
| 75°    | 33.3   | 32.9  | 32.4  | 32.4  | 32.0  | 32.0  | 32.0  | 31.5  | 32.4  | 32.4  | 32.9   |
| 77.5°  | 26.2   | 26.2  | 26.2  | 25.7  | 25.7  | 25.3  | 25.3  | 25.7  | 25.7  | 25.7  | 26.2   |
| 80°    | 20.0   | 20.0  | 20.0  | 19.5  | 19.1  | 19.1  | 19.1  | 19.1  | 19.1  | 19.5  | 19.1   |
| 82.5°  | 13.8   | 13.8  | 13.8  | 13.8  | 13.8  | 13.3  | 13.3  | 13.3  | 13.8  | 13.8  | 13.3   |
| 85°    | 8.4    | 8.0   | 8.4   | 8.4   | 8.0   | 8.4   | 8.0   | 8.0   | 7.5   | 7.5   | 8.0    |
| 87.5°  | 3.6    | 3.1   | 2.7   | 2.7   | 3.1   | 2.7   | 2.7   | 2.7   | 3.1   | 2.7   | 2.7    |
| 90°    | 22.7   | 22.9  | 23.3  | 23.7  | 24.1  | 24.5  | 24.1  | 23.7  | 23.3  | 22.9  | 22.7   |
| 92.5°  | 23.6   | 23.7  | 23.9  | 24.1  | 24.3  | 24.5  | 24.3  | 24.1  | 23.9  | 23.7  | 23.6   |
| 95°    | 40.0   | 39.9  | 39.7  | 39.4  | 39.2  | 39.0  | 39.2  | 39.4  | 39.7  | 39.9  | 40.0   |
| 97.5°  | 49.0   | 49.1  | 49.3  | 49.5  | 49.7  | 49.9  | 49.7  | 49.5  | 49.3  | 49.1  | 49.0   |
| 100°   | 59.0   | 59.2  | 59.6  | 60.0  | 60.4  | 60.8  | 60.4  | 60.0  | 59.6  | 59.2  | 59.0   |
| 102.5° | 63.6   | 63.9  | 64.5  | 65.1  | 65.7  | 66.3  | 65.7  | 65.1  | 64.5  | 63.9  | 63.6   |
| 105°   | 65.4   | 65.8  | 66.6  | 67.4  | 68.2  | 69.0  | 68.2  | 67.4  | 66.6  | 65.8  | 65.4   |
| 107.5° | 67.2   | 67.6  | 68.4  | 69.2  | 70.0  | 70.8  | 70.0  | 69.2  | 68.4  | 67.6  | 67.2   |
| 110°   | 68.1   | 68.5  | 69.3  | 70.1  | 70.9  | 71.7  | 70.9  | 70.1  | 69.3  | 68.5  | 68.1   |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 69.9   | 70.2   | 70.8   | 71.4   | 72.0   | 72.6   | 72.0   | 71.4   | 70.8   | 70.2   | 69.9   |
| 115°   | 139.8  | 132.5  | 118.0  | 103.5  | 89.0   | 74.5   | 89.0   | 103.5  | 118.0  | 132.5  | 139.8  |
| 117.5° | 479.4  | 453.0  | 400.1  | 347.2  | 294.4  | 241.5  | 294.4  | 347.2  | 400.1  | 453.0  | 479.4  |
| 120°   | 676.5  | 662.9  | 635.6  | 608.4  | 581.1  | 553.9  | 581.1  | 608.4  | 635.6  | 662.9  | 676.5  |
| 122.5° | 724.6  | 724.7  | 724.9  | 725.1  | 725.3  | 725.5  | 725.3  | 725.1  | 724.9  | 724.7  | 724.6  |
| 125°   | 773.6  | 773.9  | 774.5  | 775.1  | 775.7  | 776.3  | 775.7  | 775.1  | 774.5  | 773.9  | 773.6  |
| 127.5° | 820.8  | 820.9  | 821.1  | 821.3  | 821.5  | 821.7  | 821.5  | 821.3  | 821.1  | 820.9  | 820.8  |
| 130°   | 864.4  | 864.3  | 864.1  | 863.9  | 863.7  | 863.5  | 863.7  | 863.9  | 864.1  | 864.3  | 864.4  |
| 132.5° | 905.3  | 905.2  | 905.0  | 904.8  | 904.6  | 904.4  | 904.6  | 904.8  | 905.0  | 905.2  | 905.3  |
| 135°   | 945.2  | 945.0  | 944.6  | 944.2  | 943.8  | 943.4  | 943.8  | 944.2  | 944.6  | 945.0  | 945.2  |
| 137.5° | 982.5  | 982.2  | 981.6  | 980.9  | 980.3  | 979.7  | 980.3  | 980.9  | 981.6  | 982.2  | 982.5  |
| 140°   | 1017.9 | 1017.4 | 1016.4 | 1015.3 | 1014.3 | 1013.3 | 1014.3 | 1015.3 | 1016.4 | 1017.4 | 1017.9 |
| 142.5° | 1050.6 | 1050.1 | 1049.1 | 1048.0 | 1047.0 | 1046.0 | 1047.0 | 1048.0 | 1049.1 | 1050.1 | 1050.6 |
| 145°   | 1080.5 | 1080.0 | 1079.0 | 1078.0 | 1077.0 | 1076.0 | 1077.0 | 1078.0 | 1079.0 | 1080.0 | 1080.5 |
| 147.5° | 1106.9 | 1106.5 | 1105.7 | 1104.8 | 1104.0 | 1103.2 | 1104.0 | 1104.8 | 1105.7 | 1106.5 | 1106.9 |
| 150°   | 1132.3 | 1131.8 | 1130.8 | 1129.7 | 1128.7 | 1127.7 | 1128.7 | 1129.7 | 1130.8 | 1131.8 | 1132.3 |
| 152.5° | 1155.0 | 1154.3 | 1152.9 | 1151.4 | 1150.0 | 1148.6 | 1150.0 | 1151.4 | 1152.9 | 1154.3 | 1155.0 |
| 155°   | 1175.0 | 1174.2 | 1172.6 | 1170.9 | 1169.3 | 1167.7 | 1169.3 | 1170.9 | 1172.6 | 1174.2 | 1175.0 |
| 157.5° | 1193.1 | 1192.3 | 1190.7 | 1189.0 | 1187.4 | 1185.8 | 1187.4 | 1189.0 | 1190.7 | 1192.3 | 1193.1 |
| 160°   | 1207.6 | 1206.9 | 1205.5 | 1204.1 | 1202.7 | 1201.3 | 1202.7 | 1204.1 | 1205.5 | 1206.9 | 1207.6 |
| 162.5° | 1222.2 | 1221.3 | 1219.5 | 1217.6 | 1215.8 | 1214.0 | 1215.8 | 1217.6 | 1219.5 | 1221.3 | 1222.2 |
| 165°   | 1233.1 | 1232.4 | 1231.0 | 1229.5 | 1228.1 | 1226.7 | 1228.1 | 1229.5 | 1231.0 | 1232.4 | 1233.1 |
| 167.5° | 1243.1 | 1242.2 | 1240.4 | 1238.5 | 1236.7 | 1234.9 | 1236.7 | 1238.5 | 1240.4 | 1242.2 | 1243.1 |
| 170°   | 1250.3 | 1249.4 | 1247.6 | 1245.7 | 1243.9 | 1242.1 | 1243.9 | 1245.7 | 1247.6 | 1249.4 | 1250.3 |
| 172.5° | 1255.8 | 1254.9 | 1253.1 | 1251.2 | 1249.4 | 1247.6 | 1249.4 | 1251.2 | 1253.1 | 1254.9 | 1255.8 |
| 175°   | 1259.4 | 1258.4 | 1256.4 | 1254.3 | 1252.3 | 1250.3 | 1252.3 | 1254.3 | 1256.4 | 1258.4 | 1259.4 |
| 177.5° | 1260.3 | 1259.4 | 1257.6 | 1255.7 | 1253.9 | 1252.1 | 1253.9 | 1255.7 | 1257.6 | 1259.4 | 1260.3 |
| 180°   | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8 | 638.8  | 638.8 |
| 2.5°   | 608.7 | 610.9 | 610.0 | 605.1 | 610.0 | 611.3 | 614.0 | 616.6 | 618.4 | 621.1  | 623.3 |
| 5°     | 570.5 | 574.9 | 577.6 | 574.9 | 583.8 | 585.1 | 591.3 | 594.9 | 600.2 | 604.7  | 608.2 |
| 7.5°   | 534.5 | 538.1 | 543.4 | 544.3 | 549.6 | 555.8 | 564.7 | 573.6 | 582.0 | 586.5  | 590.5 |
| 10°    | 495.9 | 502.1 | 510.1 | 508.3 | 516.3 | 526.1 | 535.4 | 549.6 | 556.7 | 564.7  | 571.8 |
| 12.5°  | 457.3 | 461.3 | 471.9 | 475.5 | 487.0 | 494.6 | 507.4 | 516.3 | 534.1 | 543.4  | 549.6 |
| 15°    | 389.8 | 406.2 | 419.5 | 435.5 | 450.6 | 464.8 | 476.4 | 492.3 | 507.9 | 515.0  | 525.2 |
| 17.5°  | 359.2 | 366.7 | 374.7 | 382.7 | 402.2 | 427.5 | 447.9 | 465.3 | 478.6 | 487.9  | 499.9 |
| 20°    | 327.2 | 334.7 | 343.6 | 351.2 | 363.2 | 381.4 | 406.7 | 436.4 | 452.4 | 462.2  | 473.7 |
| 22.5°  | 304.5 | 311.7 | 317.4 | 324.1 | 333.4 | 346.7 | 365.8 | 402.7 | 424.0 | 436.0  | 446.2 |
| 25°    | 280.1 | 289.0 | 295.2 | 300.1 | 307.7 | 322.3 | 337.8 | 358.7 | 396.9 | 406.2  | 420.4 |
| 27.5°  | 263.3 | 265.9 | 273.0 | 280.6 | 288.1 | 296.1 | 312.1 | 329.9 | 355.6 | 376.0  | 393.3 |
| 30°    | 243.3 | 249.9 | 256.6 | 259.7 | 266.4 | 277.9 | 287.7 | 306.8 | 326.7 | 342.7  | 363.6 |
| 32.5°  | 228.2 | 232.2 | 236.6 | 244.2 | 250.4 | 258.4 | 268.1 | 284.1 | 301.0 | 311.2  | 327.2 |
| 35°    | 211.3 | 214.0 | 223.3 | 226.4 | 232.6 | 240.6 | 250.4 | 262.8 | 281.0 | 289.0  | 300.6 |
| 37.5°  | 195.3 | 201.6 | 204.2 | 211.3 | 217.1 | 225.1 | 232.2 | 246.4 | 258.4 | 267.7  | 278.4 |
| 40°    | 182.9 | 185.6 | 190.5 | 196.7 | 201.6 | 207.8 | 216.6 | 226.9 | 239.7 | 247.3  | 256.6 |
| 42.5°  | 167.8 | 170.0 | 176.2 | 179.8 | 187.8 | 193.6 | 198.9 | 211.3 | 222.9 | 228.6  | 238.0 |
| 45°    | 151.4 | 156.7 | 160.7 | 167.8 | 172.3 | 179.4 | 186.0 | 194.9 | 205.5 | 212.2  | 217.5 |
| 47.5°  | 137.2 | 142.5 | 146.5 | 153.2 | 160.3 | 163.4 | 170.5 | 179.8 | 189.6 | 194.9  | 202.4 |
| 50°    | 125.6 | 127.4 | 135.0 | 138.1 | 145.6 | 151.8 | 156.7 | 164.7 | 175.4 | 178.5  | 184.7 |
| 52.5°  | 114.5 | 115.9 | 120.8 | 124.7 | 131.4 | 136.7 | 143.0 | 150.5 | 159.4 | 164.3  | 169.1 |
| 55°    | 104.8 | 105.7 | 107.9 | 112.3 | 116.8 | 123.4 | 129.2 | 136.3 | 143.8 | 149.2  | 153.6 |
| 57.5°  | 93.7  | 95.4  | 97.2  | 99.9  | 104.3 | 110.5 | 116.8 | 123.4 | 129.6 | 133.2  | 139.0 |
| 60°    | 80.8  | 83.5  | 86.6  | 89.7  | 92.8  | 97.2  | 104.3 | 110.5 | 116.3 | 119.4  | 123.9 |
| 62.5°  | 67.0  | 72.4  | 75.0  | 78.6  | 81.2  | 85.2  | 90.6  | 97.7  | 101.7 | 105.7  | 109.2 |
| 65°    | 60.4  | 60.8  | 61.3  | 64.8  | 69.7  | 73.7  | 78.6  | 83.9  | 90.1  | 92.8   | 95.4  |
| 67.5°  | 53.7  | 54.2  | 55.0  | 55.5  | 57.3  | 61.7  | 67.0  | 72.8  | 77.7  | 79.5   | 82.1  |
| 70°    | 47.1  | 47.1  | 48.8  | 49.3  | 49.7  | 50.2  | 54.6  | 60.4  | 64.8  | 67.0   | 70.1  |
| 72.5°  | 40.0  | 40.4  | 41.3  | 41.7  | 42.6  | 43.5  | 44.8  | 47.9  | 53.3  | 55.5   | 59.0  |
| 75°    | 32.9  | 33.3  | 33.7  | 34.2  | 35.5  | 36.0  | 37.3  | 39.1  | 41.3  | 44.0   | 46.2  |
| 77.5°  | 26.2  | 26.2  | 26.6  | 27.5  | 28.4  | 28.9  | 30.2  | 31.1  | 32.0  | 33.3   | 35.1  |
| 80°    | 19.5  | 20.0  | 20.0  | 20.9  | 20.9  | 21.3  | 21.8  | 23.1  | 24.0  | 24.9   | 25.7  |
| 82.5°  | 13.3  | 14.2  | 14.2  | 14.2  | 14.7  | 15.1  | 15.5  | 15.5  | 16.4  | 16.9   | 18.2  |
| 85°    | 8.0   | 8.4   | 8.4   | 8.4   | 8.0   | 8.9   | 8.9   | 9.3   | 9.3   | 9.3    | 9.8   |
| 87.5°  | 3.1   | 2.7   | 3.1   | 3.1   | 3.1   | 3.6   | 3.1   | 3.1   | 3.6   | 4.0    | 4.0   |
| 90°    | 22.2  | 21.2  | 20.2  | 19.2  | 18.2  | 16.6  | 15.0  | 13.3  | 11.7  | 10.9   | 9.8   |
| 92.5°  | 23.4  | 23.0  | 22.6  | 22.2  | 21.8  | 21.2  | 20.6  | 20.0  | 19.4  | 19.1   | 19.5  |
| 95°    | 39.5  | 38.5  | 37.4  | 36.4  | 35.4  | 34.0  | 32.6  | 31.2  | 29.8  | 29.1   | 32.4  |
| 97.5°  | 48.7  | 48.1  | 47.5  | 46.9  | 46.3  | 43.1  | 39.9  | 36.6  | 33.4  | 31.8   | 40.1  |
| 100°   | 58.2  | 56.6  | 55.0  | 53.4  | 51.8  | 48.4  | 44.9  | 41.5  | 38.0  | 36.3   | 50.1  |
| 102.5° | 62.5  | 60.3  | 58.0  | 55.8  | 53.6  | 90.3  | 127.0 | 163.7 | 200.4 | 218.8  | 219.0 |
| 105°   | 64.3  | 62.1  | 59.8  | 57.6  | 55.4  | 110.5 | 165.6 | 220.7 | 275.8 | 303.3  | 300.3 |
| 107.5° | 66.1  | 63.9  | 61.6  | 59.4  | 57.2  | 125.2 | 193.2 | 261.2 | 329.2 | 363.2  | 360.7 |
| 110°   | 78.2  | 98.4  | 118.5 | 138.7 | 158.9 | 217.2 | 275.5 | 333.8 | 392.1 | 421.3  | 419.2 |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 113.4  | 200.4  | 287.3  | 374.3  | 461.3  | 464.7  | 468.1  | 471.6  | 475.0  | 476.7  | 474.9  |
| 115°   | 186.5  | 279.9  | 373.4  | 466.8  | 560.2  | 555.2  | 550.1  | 545.1  | 540.0  | 537.5  | 535.8  |
| 117.5° | 493.8  | 522.7  | 551.6  | 580.4  | 609.3  | 605.9  | 602.4  | 599.0  | 595.5  | 593.8  | 591.8  |
| 120°   | 675.3  | 672.9  | 670.4  | 668.0  | 665.6  | 662.0  | 658.3  | 654.7  | 651.0  | 649.2  | 647.7  |
| 122.5° | 724.0  | 722.8  | 721.5  | 720.3  | 719.1  | 715.1  | 711.1  | 707.0  | 703.0  | 701.0  | 699.4  |
| 125°   | 772.9  | 771.5  | 770.1  | 768.7  | 767.3  | 763.5  | 759.6  | 755.8  | 751.9  | 750.0  | 748.7  |
| 127.5° | 819.8  | 817.8  | 815.8  | 813.8  | 811.8  | 808.8  | 805.7  | 802.7  | 799.6  | 798.1  | 796.7  |
| 130°   | 863.3  | 861.1  | 858.8  | 856.6  | 854.4  | 852.2  | 850.0  | 847.7  | 845.5  | 844.4  | 842.8  |
| 132.5° | 904.4  | 902.6  | 900.7  | 898.9  | 897.1  | 894.9  | 892.7  | 890.4  | 888.2  | 887.1  | 885.8  |
| 135°   | 944.2  | 942.2  | 940.1  | 938.1  | 936.1  | 934.3  | 932.5  | 930.7  | 928.9  | 928.0  | 926.4  |
| 137.5° | 981.5  | 979.5  | 977.4  | 975.4  | 973.4  | 971.4  | 969.4  | 967.3  | 965.3  | 964.3  | 963.1  |
| 140°   | 1017.0 | 1015.2 | 1013.3 | 1011.5 | 1009.7 | 1007.5 | 1005.3 | 1003.0 | 1000.8 | 999.7  | 998.9  |
| 142.5° | 1049.8 | 1048.2 | 1046.5 | 1044.9 | 1043.3 | 1040.7 | 1038.1 | 1035.4 | 1032.8 | 1031.5 | 1030.8 |
| 145°   | 1079.8 | 1078.4 | 1077.0 | 1075.6 | 1074.2 | 1070.8 | 1067.3 | 1063.9 | 1060.4 | 1058.7 | 1058.8 |
| 147.5° | 1106.4 | 1105.4 | 1104.3 | 1103.3 | 1102.3 | 1098.9 | 1095.5 | 1092.0 | 1088.6 | 1086.9 | 1087.2 |
| 150°   | 1131.7 | 1130.5 | 1129.2 | 1128.0 | 1126.8 | 1123.6 | 1120.4 | 1117.1 | 1113.9 | 1112.3 | 1113.0 |
| 152.5° | 1154.4 | 1153.2 | 1151.9 | 1150.7 | 1149.5 | 1146.5 | 1143.5 | 1140.4 | 1137.4 | 1135.9 | 1136.7 |
| 155°   | 1174.4 | 1173.2 | 1171.9 | 1170.7 | 1169.5 | 1167.1 | 1164.7 | 1162.2 | 1159.8 | 1158.6 | 1159.5 |
| 157.5° | 1192.4 | 1191.0 | 1189.6 | 1188.2 | 1186.8 | 1185.0 | 1183.2 | 1181.3 | 1179.5 | 1178.6 | 1179.4 |
| 160°   | 1207.0 | 1205.8 | 1204.6 | 1203.4 | 1202.2 | 1201.0 | 1199.8 | 1198.5 | 1197.3 | 1196.7 | 1197.3 |
| 162.5° | 1221.5 | 1220.1 | 1218.6 | 1217.2 | 1215.8 | 1214.8 | 1213.8 | 1212.8 | 1211.8 | 1211.3 | 1211.9 |
| 165°   | 1232.4 | 1231.0 | 1229.5 | 1228.1 | 1226.7 | 1226.1 | 1225.5 | 1224.9 | 1224.3 | 1224.0 | 1224.6 |
| 167.5° | 1242.4 | 1241.0 | 1239.5 | 1238.1 | 1236.7 | 1236.1 | 1235.5 | 1234.9 | 1234.3 | 1234.0 | 1234.6 |
| 170°   | 1249.6 | 1248.2 | 1246.8 | 1245.4 | 1244.0 | 1243.6 | 1243.2 | 1242.7 | 1242.3 | 1242.1 | 1242.7 |
| 172.5° | 1255.1 | 1253.7 | 1252.2 | 1250.8 | 1249.4 | 1249.0 | 1248.6 | 1248.2 | 1247.8 | 1247.6 | 1248.2 |
| 175°   | 1258.7 | 1257.3 | 1255.8 | 1254.4 | 1253.0 | 1252.6 | 1252.2 | 1251.8 | 1251.4 | 1251.2 | 1251.9 |
| 177.5° | 1259.6 | 1258.2 | 1256.7 | 1255.3 | 1253.9 | 1253.7 | 1253.5 | 1253.3 | 1253.1 | 1253.0 | 1253.7 |
| 180°   | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 638.8 | 638.8 | 638.8 | 638.8 |
| 2.5°   | 627.3 | 626.0 | 634.0 | 642.8 |
| 5°     | 614.4 | 616.6 | 626.9 | 639.3 |
| 7.5°   | 601.1 | 606.0 | 618.0 | 634.4 |
| 10°    | 582.5 | 591.3 | 609.5 | 626.4 |
| 12.5°  | 564.3 | 576.2 | 593.6 | 613.5 |
| 15°    | 543.8 | 557.2 | 578.5 | 602.4 |
| 17.5°  | 521.2 | 536.3 | 561.2 | 587.3 |
| 20°    | 497.2 | 517.2 | 543.4 | 571.8 |
| 22.5°  | 470.6 | 494.6 | 521.6 | 553.2 |
| 25°    | 444.8 | 471.0 | 498.1 | 534.5 |
| 27.5°  | 419.5 | 445.3 | 475.5 | 512.3 |
| 30°    | 394.2 | 417.8 | 450.2 | 489.7 |
| 32.5°  | 367.1 | 391.6 | 425.7 | 466.1 |
| 35°    | 342.3 | 366.7 | 398.7 | 438.6 |
| 37.5°  | 315.6 | 341.8 | 372.5 | 413.8 |
| 40°    | 284.6 | 315.2 | 344.9 | 384.5 |
| 42.5°  | 258.8 | 291.2 | 320.1 | 357.4 |
| 45°    | 238.4 | 269.0 | 293.0 | 329.4 |
| 47.5°  | 219.3 | 244.2 | 268.6 | 302.3 |
| 50°    | 201.1 | 220.2 | 245.5 | 275.7 |
| 52.5°  | 182.5 | 198.9 | 220.6 | 249.1 |
| 55°    | 165.6 | 181.1 | 200.7 | 222.4 |
| 57.5°  | 150.1 | 161.2 | 180.7 | 200.2 |
| 60°    | 132.7 | 144.3 | 159.4 | 175.8 |
| 62.5°  | 118.1 | 127.0 | 141.2 | 154.9 |
| 65°    | 102.6 | 111.0 | 121.6 | 134.5 |
| 67.5°  | 88.3  | 95.9  | 104.3 | 114.5 |
| 70°    | 75.5  | 81.2  | 87.5  | 96.3  |
| 72.5°  | 61.7  | 67.9  | 73.7  | 80.8  |
| 75°    | 50.6  | 53.3  | 58.2  | 63.0  |
| 77.5°  | 39.1  | 42.6  | 45.3  | 49.3  |
| 80°    | 28.0  | 31.1  | 32.0  | 35.1  |
| 82.5°  | 18.6  | 20.4  | 22.2  | 23.1  |
| 85°    | 10.7  | 11.5  | 13.3  | 13.8  |
| 87.5°  | 4.0   | 4.4   | 5.3   | 6.2   |
| 90°    | 7.6   | 5.3   | 3.1   | 0.9   |
| 92.5°  | 20.3  | 21.1  | 21.9  | 22.7  |
| 95°    | 39.1  | 45.7  | 52.4  | 59.0  |
| 97.5°  | 56.6  | 73.1  | 89.7  | 106.2 |
| 100°   | 77.8  | 105.4 | 133.1 | 160.7 |
| 102.5° | 219.4 | 219.8 | 220.2 | 220.6 |
| 105°   | 294.2 | 288.1 | 282.1 | 276.0 |
| 107.5° | 355.6 | 350.6 | 345.5 | 340.5 |
| 110°   | 414.9 | 410.7 | 406.4 | 402.2 |

TEST NUMBER: P1008386

CATALOG NUMBER: S122RDIP-B290D925UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 471.3  | 467.6  | 464.0  | 460.4  |
| 115°   | 532.4  | 528.9  | 525.5  | 522.1  |
| 117.5° | 587.8  | 583.7  | 579.7  | 575.7  |
| 120°   | 644.7  | 641.6  | 638.6  | 635.6  |
| 122.5° | 696.1  | 692.9  | 689.6  | 686.4  |
| 125°   | 746.1  | 743.4  | 740.8  | 738.2  |
| 127.5° | 793.9  | 791.0  | 788.2  | 785.4  |
| 130°   | 839.6  | 836.3  | 833.1  | 829.9  |
| 132.5° | 883.2  | 880.5  | 877.9  | 875.3  |
| 135°   | 923.1  | 919.9  | 916.6  | 913.4  |
| 137.5° | 960.7  | 958.2  | 955.8  | 953.4  |
| 140°   | 997.3  | 995.6  | 994.0  | 992.4  |
| 142.5° | 1029.4 | 1027.9 | 1026.5 | 1025.1 |
| 145°   | 1059.0 | 1059.2 | 1059.4 | 1059.6 |
| 147.5° | 1087.8 | 1088.4 | 1089.0 | 1089.6 |
| 150°   | 1114.4 | 1115.9 | 1117.3 | 1118.7 |
| 152.5° | 1138.3 | 1140.0 | 1141.6 | 1143.2 |
| 155°   | 1161.3 | 1163.2 | 1165.0 | 1166.8 |
| 157.5° | 1181.0 | 1182.6 | 1184.2 | 1185.8 |
| 160°   | 1198.5 | 1199.8 | 1201.0 | 1202.2 |
| 162.5° | 1213.1 | 1214.3 | 1215.5 | 1216.7 |
| 165°   | 1225.8 | 1227.0 | 1228.2 | 1229.4 |
| 167.5° | 1235.8 | 1237.0 | 1238.2 | 1239.4 |
| 170°   | 1243.9 | 1245.2 | 1246.4 | 1247.6 |
| 172.5° | 1249.4 | 1250.6 | 1251.8 | 1253.0 |
| 175°   | 1253.3 | 1254.8 | 1256.2 | 1257.6 |
| 177.5° | 1255.1 | 1256.6 | 1258.0 | 1259.4 |
| 180°   | 1254.9 | 1254.9 | 1254.9 | 1254.9 |

(END OF REPORT)