

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: P1008057

Luminaire Tested: S122DIP-B290D925UB2750-4F0-XX-W2A-A\_4000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1008057  
REPORT IS A COMBINATION OF REPORTS P984070 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DIP-B290D925UB2750-4F0-XX-W2A-A\_4000K  
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

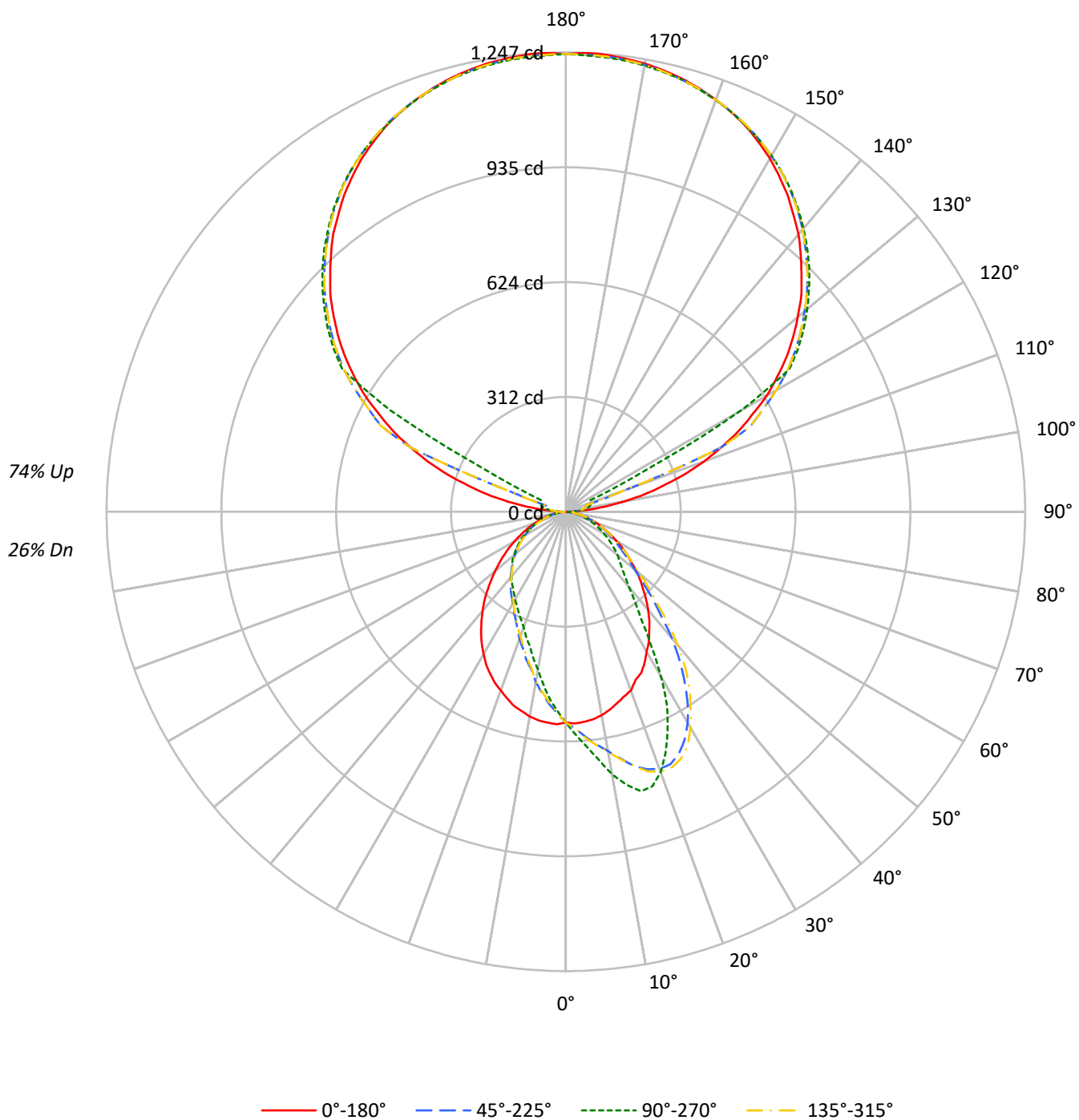
Lumens per Lamp: N/A  
Luminaire Lumens: 4907.0 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

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

TEST NUMBER: P1008057

CATALOG NUMBER: S122DIP-B290D925UB2750-4F0-XX-W2A-A\_4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1008057

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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 |
| RCR |     |     |     |     |  |    |    |    |    |  |    |    |    |  |    |    |    |  |    |    |    |
| 0   | 101 | 101 | 101 | 101 |  | 90 | 90 | 90 | 90 |  | 70 | 70 | 70 |  | 51 | 51 | 51 |  | 34 | 34 | 34 |
| 1   | 93  | 89  | 85  | 82  |  | 82 | 79 | 76 | 73 |  | 61 | 59 | 58 |  | 45 | 44 | 43 |  | 30 | 30 | 29 |
| 2   | 84  | 78  | 72  | 67  |  | 75 | 69 | 65 | 60 |  | 54 | 51 | 48 |  | 40 | 38 | 36 |  | 27 | 26 | 25 |
| 3   | 77  | 68  | 61  | 56  |  | 69 | 61 | 55 | 51 |  | 48 | 44 | 41 |  | 36 | 33 | 31 |  | 24 | 23 | 21 |
| 4   | 71  | 60  | 53  | 47  |  | 63 | 54 | 48 | 43 |  | 43 | 38 | 35 |  | 32 | 29 | 27 |  | 22 | 20 | 19 |
| 5   | 65  | 54  | 46  | 41  |  | 58 | 48 | 42 | 37 |  | 38 | 33 | 30 |  | 29 | 25 | 23 |  | 20 | 18 | 16 |
| 6   | 60  | 48  | 41  | 35  |  | 53 | 43 | 37 | 32 |  | 34 | 30 | 26 |  | 26 | 23 | 20 |  | 18 | 16 | 14 |
| 7   | 55  | 43  | 36  | 31  |  | 49 | 39 | 33 | 28 |  | 31 | 26 | 23 |  | 23 | 20 | 18 |  | 16 | 14 | 13 |
| 8   | 51  | 39  | 32  | 27  |  | 45 | 36 | 29 | 25 |  | 28 | 24 | 20 |  | 21 | 18 | 16 |  | 15 | 13 | 12 |
| 9   | 47  | 36  | 29  | 24  |  | 42 | 32 | 26 | 22 |  | 26 | 21 | 18 |  | 20 | 17 | 14 |  | 14 | 12 | 11 |
| 10  | 44  | 33  | 26  | 21  |  | 40 | 30 | 24 | 20 |  | 24 | 19 | 16 |  | 18 | 15 | 13 |  | 13 | 11 | 10 |

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

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 9054 | 9054  | 9054 | 9054 |
| 5°  | 9075 | 9654  | 9110 | 7680 |
| 10° | 8971 | 10539 | 9027 | 6332 |
| 15° | 8753 | 11116 | 8875 | 5334 |
| 20° | 8617 | 10438 | 8617 | 4636 |
| 25° | 8342 | 8967  | 8380 | 4146 |
| 30° | 7890 | 7049  | 8041 | 3755 |
| 35° | 7490 | 4874  | 7616 | 3435 |
| 40° | 7029 | 3680  | 7110 | 3181 |
| 45° | 6462 | 3025  | 6567 | 2906 |
| 50° | 5971 | 2654  | 5983 | 2661 |
| 55° | 5412 | 2262  | 5446 | 2394 |
| 60° | 4816 | 1890  | 4882 | 2089 |
| 65° | 4284 | 1537  | 4362 | 1784 |
| 70° | 3750 | 1205  | 3846 | 1438 |
| 75° | 3149 | 875   | 3273 | 1043 |
| 80° | 2459 | 555   | 2635 | 620  |
| 85° | 1610 | 280   | 1737 | 207  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9360 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.5   | 1.1       |
| 10°-20°   | 158.6  | 3.2       |
| 20°-30°   | 230.1  | 4.7       |
| 30°-40°   | 242.6  | 4.9       |
| 40°-50°   | 214.7  | 4.4       |
| 50°-60°   | 171.4  | 3.5       |
| 60°-70°   | 116.4  | 2.4       |
| 70°-80°   | 59.6   | 1.2       |
| 80°-90°   | 16.3   | 0.3       |
| 90°-100°  | 41.0   | 0.8       |
| 100°-110° | 152.7  | 3.1       |
| 110°-120° | 405.1  | 8.3       |
| 120°-130° | 671.9  | 13.7      |
| 130°-140° | 713.7  | 14.5      |
| 140°-150° | 663.3  | 13.5      |
| 150°-160° | 533.3  | 10.9      |
| 160°-170° | 343.6  | 7.0       |
| 170°-180° | 118.3  | 2.4       |
| 0°-30°    | 443.2  | 9.0       |
| 0°-40°    | 685.8  | 14.0      |
| 0°-60°    | 1071.9 | 21.8      |
| 0°-90°    | 1264.2 | 25.8      |
| 90°-120°  | 598.8  | 12.2      |
| 90°-150°  | 2647.7 | 54.0      |
| 90°-180°  | 3643.0 | 74.2      |
| 0°-180°   | 4907.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 572  | 572  | 572  | 572  | 572  |      |
| 5°   | 572  | 639  | 575  | 508  | 572  | 54   |
| 15°  | 538  | 785  | 545  | 377  | 538  | 152  |
| 25°  | 483  | 654  | 485  | 302  | 483  | 221  |
| 35°  | 394  | 356  | 401  | 251  | 394  | 247  |
| 45°  | 296  | 215  | 301  | 206  | 296  | 230  |
| 55°  | 203  | 151  | 204  | 160  | 203  | 181  |
| 65°  | 120  | 93   | 123  | 108  | 120  | 120  |
| 75°  | 56   | 46   | 58   | 54   | 56   | 60   |
| 85°  | 11   | 12   | 12   | 9    | 11   | 13   |
| 90°  | 1    | 24   | 1    | 24   | 1    | 4    |
| 95°  | 58   | 39   | 58   | 39   | 58   | 69   |
| 105° | 273  | 68   | 273  | 68   | 273  | 292  |
| 115° | 517  | 74   | 517  | 74   | 517  | 509  |
| 125° | 731  | 769  | 731  | 769  | 731  | 652  |
| 135° | 904  | 934  | 904  | 934  | 904  | 699  |
| 145° | 1049 | 1066 | 1049 | 1066 | 1049 | 656  |
| 155° | 1155 | 1156 | 1155 | 1156 | 1155 | 532  |
| 165° | 1217 | 1215 | 1217 | 1215 | 1217 | 344  |
| 175° | 1245 | 1238 | 1245 | 1238 | 1245 | 119  |
| 180° | 1243 | 1243 | 1243 | 1243 | 1243 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 |
| 2.5°   | 575.1 | 576.4 | 578.6 | 579.0 | 583.4 | 586.9 | 590.9 | 590.9 | 592.2 | 591.8 | 588.3 |
| 5°     | 572.4 | 576.4 | 582.1 | 586.9 | 594.9 | 598.4 | 603.7 | 607.6 | 611.1 | 613.8 | 613.3 |
| 7.5°   | 568.0 | 575.1 | 583.4 | 592.7 | 603.2 | 609.4 | 616.8 | 623.9 | 628.7 | 633.1 | 636.2 |
| 10°    | 560.6 | 572.4 | 583.9 | 596.2 | 609.8 | 618.2 | 627.0 | 636.2 | 643.7 | 652.0 | 659.9 |
| 12.5°  | 550.5 | 567.6 | 581.7 | 597.9 | 614.6 | 623.9 | 637.9 | 645.0 | 659.5 | 680.6 | 686.3 |
| 15°    | 537.7 | 561.0 | 574.2 | 594.9 | 616.8 | 624.3 | 643.7 | 655.1 | 685.0 | 698.2 | 714.0 |
| 17.5°  | 525.8 | 551.8 | 569.4 | 593.1 | 614.6 | 629.2 | 648.1 | 671.4 | 696.4 | 715.3 | 732.9 |
| 20°    | 516.2 | 541.2 | 562.3 | 588.7 | 616.0 | 634.4 | 654.2 | 682.4 | 709.6 | 729.0 | 742.6 |
| 22.5°  | 494.2 | 526.3 | 550.9 | 580.4 | 613.3 | 638.8 | 657.7 | 688.5 | 718.0 | 729.8 | 741.7 |
| 25°    | 483.2 | 510.9 | 539.5 | 572.9 | 611.6 | 641.9 | 658.2 | 692.5 | 718.4 | 722.8 | 725.4 |
| 27.5°  | 463.0 | 494.2 | 527.6 | 565.8 | 611.1 | 636.6 | 657.3 | 688.5 | 709.2 | 706.1 | 698.2 |
| 30°    | 437.9 | 476.2 | 513.1 | 554.4 | 605.0 | 632.7 | 652.0 | 680.6 | 691.1 | 675.3 | 661.2 |
| 32.5°  | 419.4 | 455.5 | 496.4 | 544.3 | 597.9 | 624.3 | 643.2 | 665.6 | 667.8 | 639.3 | 615.5 |
| 35°    | 394.4 | 434.4 | 480.5 | 531.1 | 586.1 | 609.8 | 627.4 | 641.0 | 630.5 | 590.5 | 562.3 |
| 37.5°  | 372.0 | 411.5 | 460.8 | 512.2 | 569.8 | 593.1 | 607.2 | 609.4 | 583.4 | 548.3 | 506.9 |
| 40°    | 347.3 | 388.2 | 439.7 | 493.7 | 551.8 | 572.0 | 580.8 | 574.2 | 536.8 | 495.9 | 448.0 |
| 42.5°  | 322.7 | 363.2 | 418.6 | 474.0 | 528.9 | 546.1 | 549.6 | 531.5 | 485.8 | 437.9 | 382.5 |
| 45°    | 295.9 | 338.1 | 393.5 | 449.3 | 502.5 | 512.2 | 512.6 | 486.7 | 432.6 | 382.5 | 331.1 |
| 47.5°  | 273.9 | 313.0 | 368.0 | 423.8 | 468.7 | 475.3 | 472.6 | 442.7 | 383.8 | 327.5 | 282.7 |
| 50°    | 249.7 | 287.1 | 341.6 | 396.6 | 434.8 | 436.6 | 430.0 | 387.3 | 329.7 | 278.3 | 242.7 |
| 52.5°  | 223.8 | 261.6 | 311.7 | 364.5 | 398.8 | 396.1 | 383.4 | 337.7 | 283.6 | 240.9 | 213.7 |
| 55°    | 203.1 | 236.5 | 283.6 | 335.0 | 359.2 | 351.7 | 337.7 | 291.1 | 248.4 | 212.4 | 188.6 |
| 57.5°  | 180.3 | 209.7 | 255.9 | 300.7 | 314.8 | 307.8 | 293.7 | 250.2 | 210.6 | 183.3 | 167.5 |
| 60°    | 158.7 | 185.5 | 226.0 | 263.4 | 274.3 | 266.9 | 250.6 | 211.5 | 182.9 | 160.0 | 148.2 |
| 62.5°  | 138.9 | 162.2 | 196.1 | 230.4 | 234.8 | 227.3 | 213.2 | 181.6 | 157.0 | 138.9 | 130.1 |
| 65°    | 120.5 | 142.4 | 169.7 | 195.6 | 199.6 | 191.7 | 177.2 | 154.3 | 133.7 | 122.2 | 113.9 |
| 67.5°  | 102.4 | 120.0 | 144.2 | 163.1 | 165.3 | 157.8 | 146.0 | 127.5 | 114.8 | 102.4 | 96.3  |
| 70°    | 86.6  | 99.8  | 118.7 | 134.1 | 135.0 | 127.9 | 121.8 | 105.1 | 95.4  | 86.6  | 81.8  |
| 72.5°  | 71.2  | 80.5  | 95.0  | 106.4 | 106.8 | 102.4 | 96.7  | 86.2  | 77.8  | 71.7  | 66.8  |
| 75°    | 56.3  | 64.2  | 73.0  | 83.1  | 82.7  | 79.1  | 74.7  | 68.1  | 61.1  | 57.2  | 55.0  |
| 77.5°  | 43.1  | 47.9  | 55.0  | 61.6  | 61.6  | 59.8  | 57.2  | 52.3  | 47.9  | 44.0  | 41.8  |
| 80°    | 30.8  | 33.9  | 39.6  | 41.8  | 42.6  | 42.2  | 40.0  | 36.5  | 34.7  | 31.7  | 30.8  |
| 82.5°  | 19.8  | 22.0  | 24.6  | 26.8  | 28.1  | 27.3  | 26.8  | 25.1  | 22.4  | 21.5  | 20.7  |
| 85°    | 11.4  | 12.3  | 13.6  | 14.9  | 15.4  | 14.9  | 15.8  | 14.5  | 13.2  | 13.2  | 12.8  |
| 87.5°  | 4.8   | 5.3   | 6.2   | 6.2   | 6.6   | 6.6   | 6.2   | 6.6   | 6.6   | 6.2   | 5.7   |
| 90°    | 0.9   | 3.1   | 5.3   | 7.5   | 9.7   | 10.8  | 11.6  | 13.2  | 14.8  | 16.4  | 18.0  |
| 92.5°  | 22.5  | 21.7  | 20.9  | 20.1  | 19.3  | 18.9  | 19.2  | 19.8  | 20.4  | 21.0  | 21.6  |
| 95°    | 58.4  | 51.8  | 45.2  | 38.7  | 32.1  | 28.8  | 29.5  | 30.9  | 32.3  | 33.7  | 35.1  |
| 97.5°  | 105.2 | 88.8  | 72.4  | 56.1  | 39.7  | 31.5  | 33.1  | 36.3  | 39.5  | 42.7  | 45.9  |
| 100°   | 159.1 | 131.7 | 104.4 | 77.0  | 49.7  | 36.0  | 37.7  | 41.1  | 44.4  | 47.8  | 51.2  |
| 102.5° | 218.5 | 218.1 | 217.7 | 217.3 | 216.9 | 216.7 | 198.5 | 162.1 | 125.8 | 89.4  | 53.0  |
| 105°   | 273.3 | 279.3 | 285.3 | 291.3 | 297.3 | 300.3 | 273.0 | 218.5 | 163.9 | 109.4 | 54.8  |
| 107.5° | 337.2 | 342.2 | 347.2 | 352.1 | 357.1 | 359.6 | 325.9 | 258.6 | 191.3 | 123.9 | 56.6  |
| 110°   | 398.3 | 402.5 | 406.7 | 410.9 | 415.1 | 417.2 | 388.3 | 330.6 | 272.8 | 215.1 | 157.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 455.9  | 459.5  | 463.1  | 466.6  | 470.2  | 472.0  | 470.3  | 466.9  | 463.6  | 460.2  | 456.8  |
| 115°   | 517.0  | 520.4  | 523.8  | 527.2  | 530.6  | 532.3  | 534.8  | 539.8  | 544.8  | 549.8  | 554.8  |
| 117.5° | 570.0  | 574.0  | 578.0  | 582.0  | 586.0  | 588.0  | 589.7  | 593.1  | 596.5  | 599.9  | 603.3  |
| 120°   | 629.4  | 632.4  | 635.4  | 638.4  | 641.4  | 642.9  | 644.7  | 648.3  | 651.9  | 655.5  | 659.1  |
| 122.5° | 679.7  | 682.9  | 686.1  | 689.3  | 692.5  | 694.1  | 696.1  | 700.1  | 704.1  | 708.1  | 712.1  |
| 125°   | 731.0  | 733.6  | 736.2  | 738.8  | 741.4  | 742.7  | 744.6  | 748.4  | 752.2  | 756.0  | 759.8  |
| 127.5° | 777.7  | 780.5  | 783.3  | 786.1  | 788.9  | 790.3  | 791.8  | 794.8  | 797.8  | 800.8  | 803.8  |
| 130°   | 821.8  | 825.0  | 828.2  | 831.4  | 834.6  | 836.2  | 837.3  | 839.5  | 841.7  | 843.9  | 846.1  |
| 132.5° | 866.8  | 869.4  | 872.0  | 874.5  | 877.1  | 878.4  | 879.5  | 881.7  | 883.9  | 886.1  | 888.3  |
| 135°   | 904.5  | 907.7  | 910.9  | 914.1  | 917.3  | 918.9  | 919.8  | 921.6  | 923.4  | 925.2  | 927.0  |
| 137.5° | 944.1  | 946.5  | 948.9  | 951.3  | 953.7  | 954.9  | 955.9  | 957.9  | 959.9  | 961.9  | 963.9  |
| 140°   | 982.7  | 984.3  | 985.9  | 987.5  | 989.1  | 989.9  | 991.0  | 993.2  | 995.4  | 997.6  | 999.8  |
| 142.5° | 1015.1 | 1016.5 | 1017.9 | 1019.3 | 1020.7 | 1021.4 | 1022.7 | 1025.3 | 1027.9 | 1030.5 | 1033.1 |
| 145°   | 1049.3 | 1049.1 | 1048.9 | 1048.7 | 1048.5 | 1048.4 | 1050.1 | 1053.5 | 1056.9 | 1060.3 | 1063.7 |
| 147.5° | 1078.9 | 1078.3 | 1077.7 | 1077.1 | 1076.5 | 1076.2 | 1077.9 | 1081.3 | 1084.7 | 1088.1 | 1091.5 |
| 150°   | 1107.7 | 1106.3 | 1104.9 | 1103.5 | 1102.1 | 1101.4 | 1103.0 | 1106.2 | 1109.4 | 1112.6 | 1115.8 |
| 152.5° | 1132.0 | 1130.4 | 1128.8 | 1127.2 | 1125.6 | 1124.8 | 1126.3 | 1129.3 | 1132.3 | 1135.3 | 1138.3 |
| 155°   | 1155.4 | 1153.6 | 1151.8 | 1150.0 | 1148.2 | 1147.3 | 1148.5 | 1150.9 | 1153.3 | 1155.7 | 1158.1 |
| 157.5° | 1174.2 | 1172.6 | 1171.0 | 1169.5 | 1167.9 | 1167.1 | 1168.0 | 1169.8 | 1171.5 | 1173.3 | 1175.1 |
| 160°   | 1190.4 | 1189.2 | 1188.0 | 1186.8 | 1185.6 | 1185.0 | 1185.6 | 1186.8 | 1188.0 | 1189.2 | 1190.4 |
| 162.5° | 1204.8 | 1203.6 | 1202.4 | 1201.2 | 1200.0 | 1199.4 | 1199.9 | 1200.9 | 1201.9 | 1202.9 | 1203.9 |
| 165°   | 1217.4 | 1216.2 | 1215.0 | 1213.8 | 1212.6 | 1212.0 | 1212.3 | 1212.9 | 1213.5 | 1214.1 | 1214.7 |
| 167.5° | 1227.3 | 1226.1 | 1224.9 | 1223.7 | 1222.5 | 1221.9 | 1222.2 | 1222.8 | 1223.4 | 1224.0 | 1224.6 |
| 170°   | 1235.4 | 1234.2 | 1233.0 | 1231.8 | 1230.6 | 1230.0 | 1230.2 | 1230.6 | 1231.0 | 1231.4 | 1231.8 |
| 172.5° | 1240.8 | 1239.6 | 1238.4 | 1237.2 | 1236.0 | 1235.4 | 1235.6 | 1236.0 | 1236.4 | 1236.8 | 1237.2 |
| 175°   | 1245.3 | 1243.9 | 1242.5 | 1241.1 | 1239.7 | 1239.0 | 1239.2 | 1239.6 | 1240.0 | 1240.4 | 1240.8 |
| 177.5° | 1247.1 | 1245.7 | 1244.3 | 1242.9 | 1241.5 | 1240.8 | 1240.9 | 1241.1 | 1241.3 | 1241.5 | 1241.7 |
| 180°   | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 |
| 2.5°   | 594.4 | 594.9 | 595.7 | 600.1 | 602.3 | 602.8 | 601.0 | 605.0 | 606.3 | 605.0 | 604.1 |
| 5°     | 622.6 | 625.2 | 630.5 | 636.2 | 635.7 | 636.2 | 638.8 | 641.5 | 642.3 | 638.8 | 640.1 |
| 7.5°   | 647.2 | 652.5 | 658.2 | 667.0 | 667.0 | 671.4 | 673.1 | 675.3 | 680.6 | 678.0 | 677.1 |
| 10°    | 675.3 | 682.4 | 692.9 | 707.0 | 707.4 | 711.8 | 716.2 | 723.2 | 725.4 | 723.7 | 724.6 |
| 12.5°  | 710.5 | 724.1 | 725.0 | 740.4 | 747.4 | 748.3 | 755.3 | 754.0 | 758.4 | 758.4 | 765.9 |
| 15°    | 725.9 | 747.0 | 758.9 | 773.8 | 778.2 | 772.9 | 778.6 | 784.8 | 785.2 | 785.2 | 784.8 |
| 17.5°  | 753.6 | 761.9 | 773.8 | 781.7 | 783.5 | 783.5 | 783.9 | 786.6 | 784.8 | 781.3 | 783.9 |
| 20°    | 759.3 | 762.8 | 767.2 | 766.3 | 767.2 | 762.8 | 758.4 | 754.0 | 754.5 | 752.3 | 758.9 |
| 22.5°  | 748.7 | 747.9 | 737.7 | 731.2 | 731.2 | 722.4 | 714.0 | 710.1 | 706.1 | 707.4 | 709.6 |
| 25°    | 722.4 | 708.7 | 696.4 | 686.7 | 684.6 | 670.5 | 659.0 | 655.5 | 648.9 | 654.2 | 655.1 |
| 27.5°  | 680.2 | 664.8 | 645.0 | 636.6 | 625.2 | 619.5 | 611.6 | 601.0 | 587.4 | 595.3 | 594.0 |
| 30°    | 634.9 | 612.0 | 595.7 | 575.5 | 557.5 | 556.2 | 541.2 | 523.6 | 516.6 | 516.6 | 520.6 |
| 32.5°  | 584.3 | 554.0 | 530.2 | 501.7 | 484.1 | 476.6 | 458.6 | 441.0 | 444.9 | 431.7 | 436.6 |
| 35°    | 525.4 | 485.4 | 455.5 | 427.8 | 414.6 | 405.8 | 382.5 | 372.8 | 362.3 | 356.1 | 367.6 |
| 37.5°  | 469.1 | 423.0 | 384.7 | 354.4 | 349.5 | 333.7 | 317.9 | 311.7 | 305.6 | 308.2 | 307.8 |
| 40°    | 400.5 | 359.6 | 325.3 | 301.6 | 293.3 | 285.8 | 275.2 | 267.8 | 263.8 | 266.0 | 266.4 |
| 42.5°  | 338.5 | 304.2 | 278.7 | 262.0 | 255.0 | 249.7 | 244.5 | 238.3 | 237.0 | 237.0 | 238.7 |
| 45°    | 290.6 | 262.5 | 245.3 | 231.7 | 227.7 | 223.8 | 219.8 | 217.2 | 216.3 | 214.6 | 215.9 |
| 47.5°  | 252.4 | 229.9 | 219.4 | 209.3 | 204.9 | 204.0 | 200.5 | 199.2 | 197.4 | 197.0 | 197.4 |
| 50°    | 220.3 | 206.2 | 196.5 | 190.8 | 187.7 | 186.4 | 184.7 | 182.0 | 181.1 | 183.3 | 182.5 |
| 52.5°  | 197.8 | 184.7 | 179.4 | 173.7 | 171.9 | 170.1 | 167.5 | 167.9 | 167.5 | 166.6 | 166.6 |
| 55°    | 175.4 | 167.1 | 161.8 | 157.4 | 157.0 | 155.2 | 153.0 | 152.1 | 151.7 | 150.8 | 152.1 |
| 57.5°  | 157.4 | 150.8 | 146.0 | 142.0 | 140.3 | 140.3 | 138.1 | 136.3 | 136.3 | 135.9 | 136.3 |
| 60°    | 139.4 | 132.8 | 129.7 | 125.7 | 124.4 | 124.0 | 122.7 | 121.8 | 120.5 | 120.5 | 120.5 |
| 62.5°  | 122.7 | 117.4 | 113.9 | 110.4 | 110.8 | 108.6 | 106.8 | 106.0 | 106.0 | 106.4 | 106.4 |
| 65°    | 106.8 | 103.3 | 98.9  | 95.8  | 95.0  | 94.5  | 93.6  | 93.2  | 91.9  | 92.8  | 92.8  |
| 67.5°  | 92.3  | 87.5  | 84.9  | 83.5  | 82.2  | 81.8  | 80.9  | 80.0  | 79.6  | 79.1  | 80.0  |
| 70°    | 77.8  | 73.9  | 71.7  | 70.8  | 69.5  | 69.0  | 68.6  | 67.3  | 67.7  | 68.1  | 68.6  |
| 72.5°  | 64.6  | 61.1  | 60.7  | 58.0  | 58.0  | 58.0  | 56.3  | 57.2  | 56.7  | 55.8  | 56.7  |
| 75°    | 51.0  | 49.2  | 48.4  | 47.0  | 47.5  | 47.0  | 46.6  | 45.3  | 45.3  | 45.7  | 46.2  |
| 77.5°  | 40.4  | 38.7  | 38.3  | 36.9  | 36.1  | 36.9  | 36.1  | 35.6  | 35.6  | 36.1  | 36.1  |
| 80°    | 29.9  | 29.0  | 27.7  | 27.7  | 27.7  | 27.3  | 27.3  | 27.3  | 26.8  | 26.4  | 26.8  |
| 82.5°  | 19.8  | 19.8  | 19.3  | 18.9  | 19.3  | 18.5  | 18.9  | 18.9  | 18.9  | 18.9  | 18.9  |
| 85°    | 12.8  | 12.3  | 12.3  | 11.9  | 11.9  | 11.9  | 12.3  | 11.4  | 11.4  | 11.9  | 11.9  |
| 87.5°  | 5.7   | 5.7   | 5.7   | 6.2   | 5.7   | 5.7   | 5.7   | 6.2   | 5.7   | 5.7   | 5.7   |
| 90°    | 19.0  | 20.0  | 21.0  | 22.0  | 22.5  | 22.7  | 23.1  | 23.5  | 23.9  | 24.3  | 23.9  |
| 92.5°  | 22.0  | 22.4  | 22.8  | 23.2  | 23.4  | 23.5  | 23.7  | 23.9  | 24.1  | 24.3  | 24.1  |
| 95°    | 36.1  | 37.1  | 38.1  | 39.1  | 39.6  | 39.5  | 39.3  | 39.1  | 38.9  | 38.7  | 38.9  |
| 97.5°  | 46.5  | 47.1  | 47.7  | 48.3  | 48.6  | 48.7  | 48.9  | 49.1  | 49.3  | 49.5  | 49.3  |
| 100°   | 52.8  | 54.4  | 56.0  | 57.6  | 58.4  | 58.6  | 59.0  | 59.4  | 59.8  | 60.2  | 59.8  |
| 102.5° | 55.2  | 57.4  | 59.6  | 61.8  | 62.9  | 63.2  | 63.8  | 64.4  | 65.0  | 65.6  | 65.0  |
| 105°   | 57.0  | 59.2  | 61.4  | 63.6  | 64.7  | 65.1  | 65.9  | 66.7  | 67.5  | 68.3  | 67.5  |
| 107.5° | 58.8  | 61.0  | 63.2  | 65.4  | 66.5  | 66.9  | 67.7  | 68.5  | 69.3  | 70.1  | 69.3  |
| 110°   | 137.3 | 117.3 | 97.4  | 77.4  | 67.4  | 67.8  | 68.6  | 69.4  | 70.2  | 71.0  | 70.2  |

TEST NUMBER: P1008057

CATALOG NUMBER: S122DIP-B290D925UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 370.7  | 284.5  | 198.4  | 112.3  | 69.2   | 69.5   | 70.1   | 70.7   | 71.3   | 71.9   | 71.3   |
| 115°   | 462.3  | 369.8  | 277.3  | 184.8  | 138.5  | 131.3  | 116.9  | 102.5  | 88.1   | 73.7   | 88.1   |
| 117.5° | 574.7  | 546.1  | 517.6  | 489.0  | 474.7  | 448.5  | 396.2  | 343.9  | 291.5  | 239.2  | 291.5  |
| 120°   | 661.5  | 663.9  | 666.2  | 668.6  | 669.8  | 656.3  | 629.4  | 602.4  | 575.5  | 548.5  | 575.5  |
| 122.5° | 713.3  | 714.5  | 715.7  | 716.9  | 717.5  | 717.6  | 717.8  | 718.0  | 718.2  | 718.4  | 718.2  |
| 125°   | 761.2  | 762.6  | 763.9  | 765.3  | 766.0  | 766.3  | 766.9  | 767.5  | 768.1  | 768.7  | 768.1  |
| 127.5° | 805.8  | 807.8  | 809.8  | 811.8  | 812.8  | 812.9  | 813.1  | 813.3  | 813.5  | 813.7  | 813.5  |
| 130°   | 848.3  | 850.5  | 852.7  | 854.9  | 856.0  | 855.9  | 855.7  | 855.5  | 855.3  | 855.1  | 855.3  |
| 132.5° | 890.1  | 891.9  | 893.7  | 895.5  | 896.4  | 896.3  | 896.1  | 895.9  | 895.7  | 895.5  | 895.7  |
| 135°   | 929.0  | 931.0  | 933.0  | 935.0  | 936.0  | 935.8  | 935.4  | 935.0  | 934.6  | 934.2  | 934.6  |
| 137.5° | 965.9  | 967.9  | 969.8  | 971.8  | 972.8  | 972.5  | 971.9  | 971.3  | 970.7  | 970.1  | 970.7  |
| 140°   | 1001.6 | 1003.4 | 1005.2 | 1007.0 | 1007.9 | 1007.4 | 1006.4 | 1005.4 | 1004.4 | 1003.4 | 1004.4 |
| 142.5° | 1034.7 | 1036.3 | 1037.9 | 1039.5 | 1040.3 | 1039.8 | 1038.8 | 1037.8 | 1036.8 | 1035.8 | 1036.8 |
| 145°   | 1065.1 | 1066.5 | 1067.9 | 1069.3 | 1070.0 | 1069.5 | 1068.5 | 1067.5 | 1066.5 | 1065.5 | 1066.5 |
| 147.5° | 1092.5 | 1093.5 | 1094.5 | 1095.5 | 1096.0 | 1095.6 | 1094.8 | 1094.0 | 1093.2 | 1092.4 | 1093.2 |
| 150°   | 1117.0 | 1118.2 | 1119.4 | 1120.6 | 1121.2 | 1120.7 | 1119.7 | 1118.7 | 1117.7 | 1116.7 | 1117.7 |
| 152.5° | 1139.5 | 1140.7 | 1141.9 | 1143.1 | 1143.7 | 1143.0 | 1141.6 | 1140.2 | 1138.8 | 1137.4 | 1138.8 |
| 155°   | 1159.3 | 1160.5 | 1161.7 | 1162.9 | 1163.5 | 1162.7 | 1161.1 | 1159.5 | 1157.9 | 1156.3 | 1157.9 |
| 157.5° | 1176.5 | 1177.9 | 1179.3 | 1180.7 | 1181.4 | 1180.6 | 1179.0 | 1177.4 | 1175.8 | 1174.2 | 1175.8 |
| 160°   | 1191.6 | 1192.8 | 1194.0 | 1195.2 | 1195.8 | 1195.1 | 1193.7 | 1192.3 | 1190.9 | 1189.5 | 1190.9 |
| 162.5° | 1205.3 | 1206.7 | 1208.1 | 1209.5 | 1210.2 | 1209.3 | 1207.5 | 1205.7 | 1203.9 | 1202.1 | 1203.9 |
| 165°   | 1216.1 | 1217.5 | 1218.9 | 1220.3 | 1221.0 | 1220.3 | 1218.9 | 1217.5 | 1216.1 | 1214.7 | 1216.1 |
| 167.5° | 1226.0 | 1227.4 | 1228.8 | 1230.2 | 1230.9 | 1230.0 | 1228.2 | 1226.4 | 1224.6 | 1222.8 | 1224.6 |
| 170°   | 1233.2 | 1234.6 | 1236.0 | 1237.4 | 1238.1 | 1237.2 | 1235.4 | 1233.6 | 1231.8 | 1230.0 | 1231.8 |
| 172.5° | 1238.6 | 1240.0 | 1241.4 | 1242.8 | 1243.5 | 1242.6 | 1240.8 | 1239.0 | 1237.2 | 1235.4 | 1237.2 |
| 175°   | 1242.2 | 1243.6 | 1245.0 | 1246.4 | 1247.1 | 1246.1 | 1244.1 | 1242.1 | 1240.1 | 1238.1 | 1240.1 |
| 177.5° | 1243.1 | 1244.5 | 1245.9 | 1247.3 | 1248.0 | 1247.1 | 1245.3 | 1243.5 | 1241.7 | 1239.9 | 1241.7 |
| 180°   | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 |

TEST NUMBER: P1008057

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**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 572.0 | 572.0 | 572.0 | 572.0  | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 |
| 2.5°   | 606.3 | 603.2 | 600.6 | 601.0  | 603.2 | 601.5 | 597.1 | 591.3 | 589.1 | 586.5 | 589.1 |
| 5°     | 642.8 | 640.1 | 634.9 | 635.3  | 634.0 | 632.2 | 625.2 | 616.4 | 616.4 | 609.4 | 608.5 |
| 7.5°   | 678.8 | 674.9 | 671.4 | 670.5  | 665.6 | 662.1 | 656.0 | 643.7 | 638.8 | 630.5 | 625.6 |
| 10°    | 719.3 | 716.2 | 712.2 | 707.4  | 704.8 | 698.6 | 688.5 | 670.5 | 661.7 | 650.3 | 641.9 |
| 12.5°  | 760.2 | 759.7 | 750.9 | 741.3  | 740.8 | 731.2 | 724.1 | 699.9 | 688.1 | 672.7 | 652.9 |
| 15°    | 786.1 | 783.9 | 779.1 | 774.2  | 775.6 | 765.0 | 749.2 | 720.6 | 712.7 | 694.2 | 673.1 |
| 17.5°  | 785.7 | 785.7 | 784.4 | 783.5  | 782.2 | 779.1 | 770.3 | 751.4 | 738.6 | 715.3 | 695.5 |
| 20°    | 760.6 | 766.3 | 767.6 | 767.2  | 771.6 | 773.8 | 773.4 | 761.5 | 751.4 | 730.7 | 710.5 |
| 22.5°  | 710.5 | 723.7 | 729.4 | 732.9  | 742.1 | 747.0 | 758.4 | 754.0 | 751.4 | 736.0 | 718.8 |
| 25°    | 663.9 | 668.3 | 685.4 | 686.3  | 699.1 | 710.9 | 722.4 | 729.8 | 739.5 | 733.8 | 719.3 |
| 27.5°  | 603.7 | 613.8 | 626.1 | 635.3  | 637.9 | 662.1 | 681.0 | 695.1 | 717.1 | 718.8 | 714.0 |
| 30°    | 535.5 | 540.3 | 560.6 | 572.9  | 586.9 | 604.5 | 631.8 | 656.0 | 675.8 | 693.8 | 699.9 |
| 32.5°  | 452.4 | 472.2 | 484.1 | 499.0  | 511.3 | 542.5 | 576.0 | 607.2 | 630.0 | 660.4 | 673.6 |
| 35°    | 376.3 | 391.7 | 412.0 | 418.1  | 440.5 | 466.9 | 510.4 | 550.5 | 585.2 | 616.0 | 642.8 |
| 37.5°  | 313.5 | 325.8 | 347.3 | 357.0  | 370.2 | 404.0 | 440.5 | 490.2 | 532.0 | 569.8 | 603.2 |
| 40°    | 270.4 | 279.6 | 295.9 | 299.0  | 310.0 | 340.7 | 370.2 | 416.8 | 472.2 | 523.2 | 559.7 |
| 42.5°  | 240.9 | 245.3 | 256.3 | 260.3  | 267.3 | 288.0 | 314.4 | 358.3 | 409.8 | 462.5 | 514.0 |
| 45°    | 219.8 | 222.9 | 229.5 | 233.0  | 241.8 | 251.0 | 272.6 | 307.8 | 348.2 | 401.4 | 456.8 |
| 47.5°  | 200.9 | 204.9 | 207.5 | 209.7  | 214.6 | 224.7 | 238.7 | 264.7 | 303.4 | 352.2 | 405.8 |
| 50°    | 185.1 | 186.4 | 191.3 | 191.7  | 194.8 | 201.4 | 214.6 | 230.4 | 261.2 | 300.7 | 352.6 |
| 52.5°  | 169.3 | 170.6 | 173.7 | 176.7  | 178.1 | 183.3 | 192.1 | 205.3 | 228.2 | 259.4 | 305.6 |
| 55°    | 153.4 | 155.2 | 158.3 | 160.5  | 161.8 | 166.2 | 171.5 | 184.2 | 202.2 | 224.2 | 262.0 |
| 57.5°  | 137.6 | 141.6 | 142.4 | 143.8  | 146.0 | 150.8 | 155.6 | 163.1 | 177.2 | 197.4 | 225.1 |
| 60°    | 122.7 | 124.0 | 127.1 | 128.4  | 130.6 | 133.2 | 139.4 | 145.1 | 155.2 | 171.0 | 196.1 |
| 62.5°  | 107.3 | 110.4 | 111.7 | 113.0  | 114.8 | 117.8 | 121.8 | 127.9 | 136.7 | 149.5 | 169.3 |
| 65°    | 94.1  | 94.5  | 97.2  | 98.9   | 100.7 | 102.9 | 106.8 | 112.6 | 117.8 | 129.7 | 144.2 |
| 67.5°  | 81.3  | 82.2  | 83.1  | 84.9   | 87.1  | 89.3  | 92.8  | 95.8  | 102.4 | 110.4 | 121.8 |
| 70°    | 69.0  | 69.0  | 71.2  | 72.5   | 72.1  | 74.7  | 77.4  | 80.9  | 85.7  | 93.2  | 102.4 |
| 72.5°  | 58.0  | 57.6  | 59.4  | 59.8   | 60.7  | 62.4  | 64.2  | 67.7  | 70.3  | 76.1  | 83.1  |
| 75°    | 46.2  | 47.0  | 47.9  | 47.9   | 49.2  | 50.6  | 52.3  | 54.1  | 57.2  | 60.7  | 65.9  |
| 77.5°  | 36.5  | 36.5  | 37.4  | 37.8   | 39.1  | 38.7  | 40.4  | 42.2  | 44.4  | 47.5  | 51.4  |
| 80°    | 26.8  | 27.7  | 27.7  | 27.7   | 28.1  | 28.6  | 30.3  | 31.7  | 33.0  | 35.2  | 36.9  |
| 82.5°  | 18.9  | 18.9  | 19.8  | 19.8   | 19.8  | 20.7  | 20.7  | 21.1  | 22.0  | 23.3  | 24.6  |
| 85°    | 11.9  | 11.9  | 11.9  | 12.3   | 11.9  | 12.3  | 13.2  | 12.8  | 13.2  | 14.1  | 14.1  |
| 87.5°  | 5.7   | 5.7   | 5.7   | 5.7    | 5.7   | 6.2   | 5.7   | 6.2   | 6.6   | 6.6   | 6.6   |
| 90°    | 23.5  | 23.1  | 22.7  | 22.5   | 22.0  | 21.0  | 20.0  | 19.0  | 18.0  | 16.4  | 14.8  |
| 92.5°  | 23.9  | 23.7  | 23.5  | 23.4   | 23.2  | 22.8  | 22.4  | 22.0  | 21.6  | 21.0  | 20.4  |
| 95°    | 39.1  | 39.3  | 39.5  | 39.6   | 39.1  | 38.1  | 37.1  | 36.1  | 35.1  | 33.7  | 32.3  |
| 97.5°  | 49.1  | 48.9  | 48.7  | 48.6   | 48.3  | 47.7  | 47.1  | 46.5  | 45.9  | 42.7  | 39.5  |
| 100°   | 59.4  | 59.0  | 58.6  | 58.4   | 57.6  | 56.0  | 54.4  | 52.8  | 51.2  | 47.8  | 44.4  |
| 102.5° | 64.4  | 63.8  | 63.2  | 62.9   | 61.8  | 59.6  | 57.4  | 55.2  | 53.0  | 49.4  | 45.8  |
| 105°   | 66.7  | 65.9  | 65.1  | 64.7   | 63.6  | 61.4  | 59.2  | 57.0  | 54.8  | 50.4  | 46.9  |
| 107.5° | 68.5  | 67.7  | 66.9  | 66.5   | 65.4  | 63.2  | 61.0  | 58.8  | 56.6  | 52.9  | 49.3  |
| 110°   | 69.4  | 68.6  | 67.8  | 67.4   | 77.4  | 97.4  | 117.3 | 137.3 | 157.3 | 215.1 | 272.8 |

TEST NUMBER: P1008057

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 70.7   | 70.1   | 69.5   | 69.2   | 112.3  | 198.4  | 284.5  | 370.7  | 456.8  | 460.2  | 463.6  |
| 115°   | 102.5  | 116.9  | 131.3  | 138.5  | 184.8  | 277.3  | 369.8  | 462.3  | 554.8  | 549.8  | 544.8  |
| 117.5° | 343.9  | 396.2  | 448.5  | 474.7  | 489.0  | 517.6  | 546.1  | 574.7  | 603.3  | 599.9  | 596.5  |
| 120°   | 602.4  | 629.4  | 656.3  | 669.8  | 668.6  | 666.2  | 663.9  | 661.5  | 659.1  | 655.5  | 651.9  |
| 122.5° | 718.0  | 717.8  | 717.6  | 717.5  | 716.9  | 715.7  | 714.5  | 713.3  | 712.1  | 708.1  | 704.1  |
| 125°   | 767.5  | 766.9  | 766.3  | 766.0  | 765.3  | 763.9  | 762.6  | 761.2  | 759.8  | 756.0  | 752.2  |
| 127.5° | 813.3  | 813.1  | 812.9  | 812.8  | 811.8  | 809.8  | 807.8  | 805.8  | 803.8  | 800.8  | 797.8  |
| 130°   | 855.5  | 855.7  | 855.9  | 856.0  | 854.9  | 852.7  | 850.5  | 848.3  | 846.1  | 843.9  | 841.7  |
| 132.5° | 895.9  | 896.1  | 896.3  | 896.4  | 895.5  | 893.7  | 891.9  | 890.1  | 888.3  | 886.1  | 883.9  |
| 135°   | 935.0  | 935.4  | 935.8  | 936.0  | 935.0  | 933.0  | 931.0  | 929.0  | 927.0  | 925.2  | 923.4  |
| 137.5° | 971.3  | 971.9  | 972.5  | 972.8  | 971.8  | 969.8  | 967.9  | 965.9  | 963.9  | 961.9  | 959.9  |
| 140°   | 1005.4 | 1006.4 | 1007.4 | 1007.9 | 1007.0 | 1005.2 | 1003.4 | 1001.6 | 999.8  | 997.6  | 995.4  |
| 142.5° | 1037.8 | 1038.8 | 1039.8 | 1040.3 | 1039.5 | 1037.9 | 1036.3 | 1034.7 | 1033.1 | 1030.5 | 1027.9 |
| 145°   | 1067.5 | 1068.5 | 1069.5 | 1070.0 | 1069.3 | 1067.9 | 1066.5 | 1065.1 | 1063.7 | 1060.3 | 1056.9 |
| 147.5° | 1094.0 | 1094.8 | 1095.6 | 1096.0 | 1095.5 | 1094.5 | 1093.5 | 1092.5 | 1091.5 | 1088.1 | 1084.7 |
| 150°   | 1118.7 | 1119.7 | 1120.7 | 1121.2 | 1120.6 | 1119.4 | 1118.2 | 1117.0 | 1115.8 | 1112.6 | 1109.4 |
| 152.5° | 1140.2 | 1141.6 | 1143.0 | 1143.7 | 1143.1 | 1141.9 | 1140.7 | 1139.5 | 1138.3 | 1135.3 | 1132.3 |
| 155°   | 1159.5 | 1161.1 | 1162.7 | 1163.5 | 1162.9 | 1161.7 | 1160.5 | 1159.3 | 1158.1 | 1155.7 | 1153.3 |
| 157.5° | 1177.4 | 1179.0 | 1180.6 | 1181.4 | 1180.7 | 1179.3 | 1177.9 | 1176.5 | 1175.1 | 1173.3 | 1171.5 |
| 160°   | 1192.3 | 1193.7 | 1195.1 | 1195.8 | 1195.2 | 1194.0 | 1192.8 | 1191.6 | 1190.4 | 1189.2 | 1188.0 |
| 162.5° | 1205.7 | 1207.5 | 1209.3 | 1210.2 | 1209.5 | 1208.1 | 1206.7 | 1205.3 | 1203.9 | 1202.9 | 1201.9 |
| 165°   | 1217.5 | 1218.9 | 1220.3 | 1221.0 | 1220.3 | 1218.9 | 1217.5 | 1216.1 | 1214.7 | 1214.1 | 1213.5 |
| 167.5° | 1226.4 | 1228.2 | 1230.0 | 1230.9 | 1230.2 | 1228.8 | 1227.4 | 1226.0 | 1224.6 | 1224.0 | 1223.4 |
| 170°   | 1233.6 | 1235.4 | 1237.2 | 1238.1 | 1237.4 | 1236.0 | 1234.6 | 1233.2 | 1231.8 | 1231.4 | 1231.0 |
| 172.5° | 1239.0 | 1240.8 | 1242.6 | 1243.5 | 1242.8 | 1241.4 | 1240.0 | 1238.6 | 1237.2 | 1236.8 | 1236.4 |
| 175°   | 1242.1 | 1244.1 | 1246.1 | 1247.1 | 1246.4 | 1245.0 | 1243.6 | 1242.2 | 1240.8 | 1240.4 | 1240.0 |
| 177.5° | 1243.5 | 1245.3 | 1247.1 | 1248.0 | 1247.3 | 1245.9 | 1244.5 | 1243.1 | 1241.7 | 1241.5 | 1241.3 |
| 180°   | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 572.0 | 572.0 | 572.0  | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 |
| 2.5°   | 586.9 | 584.7 | 583.4  | 584.3 | 581.7 | 575.1 | 575.1 | 577.3 | 574.6 | 572.0 | 568.0 |
| 5°     | 603.2 | 598.8 | 596.2  | 595.7 | 589.6 | 579.0 | 576.8 | 574.6 | 568.9 | 562.8 | 556.2 |
| 7.5°   | 619.0 | 611.1 | 606.7  | 603.7 | 594.9 | 581.2 | 575.5 | 570.7 | 561.4 | 552.2 | 543.9 |
| 10°    | 632.2 | 620.8 | 615.5  | 610.7 | 599.3 | 582.1 | 572.9 | 564.1 | 552.2 | 540.3 | 529.8 |
| 12.5°  | 642.8 | 629.6 | 623.0  | 616.0 | 601.9 | 579.5 | 568.0 | 554.0 | 542.1 | 526.3 | 515.7 |
| 15°    | 660.4 | 633.1 | 627.0  | 620.4 | 605.9 | 575.1 | 561.0 | 545.2 | 528.9 | 507.8 | 496.4 |
| 17.5°  | 674.4 | 637.9 | 637.5  | 623.4 | 604.5 | 573.3 | 551.8 | 531.1 | 513.5 | 492.4 | 474.4 |
| 20°    | 682.8 | 645.4 | 638.4  | 623.9 | 600.1 | 561.4 | 539.0 | 516.2 | 497.3 | 471.8 | 453.7 |
| 22.5°  | 689.8 | 656.0 | 637.5  | 619.9 | 590.9 | 557.5 | 524.5 | 503.0 | 477.0 | 449.3 | 432.2 |
| 25°    | 692.5 | 658.2 | 638.8  | 618.6 | 584.3 | 546.1 | 508.7 | 485.4 | 456.4 | 431.3 | 408.0 |
| 27.5°  | 692.9 | 657.7 | 634.0  | 612.9 | 575.1 | 531.1 | 492.9 | 468.2 | 436.1 | 407.1 | 383.8 |
| 30°    | 688.5 | 652.9 | 631.4  | 608.5 | 566.3 | 517.5 | 473.5 | 446.3 | 412.0 | 382.9 | 358.8 |
| 32.5°  | 675.3 | 643.2 | 625.6  | 600.6 | 554.9 | 498.6 | 455.0 | 424.7 | 388.7 | 360.1 | 336.8 |
| 35°    | 653.3 | 631.4 | 612.0  | 588.7 | 539.9 | 481.0 | 436.6 | 401.0 | 364.5 | 337.2 | 315.2 |
| 37.5°  | 626.1 | 614.2 | 596.2  | 573.3 | 522.8 | 465.2 | 415.9 | 376.3 | 339.9 | 313.5 | 291.9 |
| 40°    | 589.1 | 592.2 | 574.6  | 554.0 | 502.5 | 443.6 | 389.1 | 351.3 | 317.0 | 292.4 | 271.3 |
| 42.5°  | 549.1 | 561.9 | 551.8  | 532.0 | 480.1 | 419.9 | 369.3 | 327.5 | 294.1 | 268.6 | 251.0 |
| 45°    | 506.0 | 528.0 | 521.9  | 507.4 | 456.8 | 394.8 | 341.2 | 300.7 | 271.3 | 246.6 | 231.3 |
| 47.5°  | 459.0 | 490.2 | 490.2  | 479.7 | 430.9 | 369.8 | 317.0 | 275.7 | 246.6 | 229.1 | 214.1 |
| 50°    | 411.1 | 446.3 | 452.0  | 444.9 | 401.8 | 341.2 | 287.5 | 250.2 | 225.1 | 208.0 | 197.0 |
| 52.5°  | 361.0 | 401.8 | 412.4  | 408.9 | 371.1 | 313.9 | 263.4 | 226.9 | 204.0 | 189.1 | 179.4 |
| 55°    | 313.0 | 360.5 | 372.0  | 373.3 | 338.1 | 284.0 | 236.5 | 204.4 | 182.5 | 172.3 | 164.0 |
| 57.5°  | 267.8 | 313.5 | 326.2  | 328.4 | 304.7 | 256.8 | 211.5 | 183.3 | 163.6 | 155.2 | 148.6 |
| 60°    | 229.1 | 267.3 | 284.0  | 288.9 | 268.2 | 225.1 | 188.2 | 160.9 | 146.0 | 138.1 | 131.9 |
| 62.5°  | 197.4 | 228.2 | 245.8  | 247.1 | 237.9 | 197.4 | 164.0 | 141.1 | 128.4 | 121.3 | 118.3 |
| 65°    | 166.6 | 194.3 | 204.9  | 210.2 | 202.7 | 171.0 | 141.6 | 122.7 | 112.6 | 106.4 | 103.3 |
| 67.5°  | 142.0 | 159.6 | 168.4  | 175.4 | 167.9 | 144.2 | 120.5 | 105.1 | 97.6  | 91.4  | 89.7  |
| 70°    | 116.5 | 131.0 | 137.6  | 144.6 | 138.1 | 120.0 | 102.9 | 88.8  | 82.2  | 77.4  | 75.2  |
| 72.5°  | 93.2  | 104.6 | 110.8  | 115.2 | 111.2 | 96.3  | 82.2  | 72.5  | 67.7  | 64.2  | 62.9  |
| 75°    | 73.9  | 81.8  | 85.3   | 88.4  | 86.6  | 75.2  | 66.4  | 58.5  | 54.1  | 51.0  | 50.1  |
| 77.5°  | 56.3  | 62.0  | 65.9   | 66.8  | 64.6  | 57.2  | 49.7  | 44.8  | 41.3  | 39.6  | 38.7  |
| 80°    | 40.0  | 43.5  | 45.7   | 47.0  | 44.8  | 41.8  | 36.5  | 33.0  | 29.9  | 27.7  | 27.3  |
| 82.5°  | 26.8  | 28.6  | 30.3   | 29.9  | 29.0  | 26.4  | 23.3  | 21.5  | 20.2  | 18.5  | 18.5  |
| 85°    | 15.4  | 15.8  | 16.7   | 17.1  | 16.7  | 14.9  | 13.2  | 12.3  | 11.4  | 10.1  | 10.1  |
| 87.5°  | 6.6   | 7.0   | 7.0    | 7.5   | 6.6   | 6.6   | 5.7   | 4.8   | 4.8   | 4.4   | 4.0   |
| 90°    | 13.2  | 11.6  | 10.8   | 9.7   | 7.5   | 5.3   | 3.1   | 0.9   | 3.1   | 5.3   | 7.5   |
| 92.5°  | 19.8  | 19.2  | 18.9   | 19.3  | 20.1  | 20.9  | 21.7  | 22.5  | 21.7  | 20.9  | 20.1  |
| 95°    | 30.9  | 29.5  | 28.8   | 32.1  | 38.7  | 45.2  | 51.8  | 58.4  | 51.8  | 45.2  | 38.7  |
| 97.5°  | 36.3  | 33.1  | 31.5   | 39.7  | 56.1  | 72.4  | 88.8  | 105.2 | 88.8  | 72.4  | 56.1  |
| 100°   | 41.1  | 37.7  | 36.0   | 49.7  | 77.0  | 104.4 | 131.7 | 159.1 | 131.7 | 104.4 | 77.0  |
| 102.5° | 162.1 | 198.5 | 216.7  | 216.9 | 217.3 | 217.7 | 218.1 | 218.5 | 218.1 | 217.7 | 217.3 |
| 105°   | 218.5 | 273.0 | 300.3  | 297.3 | 291.3 | 285.3 | 279.3 | 273.3 | 279.3 | 285.3 | 291.3 |
| 107.5° | 258.6 | 325.9 | 359.6  | 357.1 | 352.1 | 347.2 | 342.2 | 337.2 | 342.2 | 347.2 | 352.1 |
| 110°   | 330.6 | 388.3 | 417.2  | 415.1 | 410.9 | 406.7 | 402.5 | 398.3 | 402.5 | 406.7 | 410.9 |

TEST NUMBER: P1008057

CATALOG NUMBER: S122DIP-B290D925UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 466.9  | 470.3  | 472.0  | 470.2  | 466.6  | 463.1  | 459.5  | 455.9  | 459.5  | 463.1  | 466.6  |
| 115°   | 539.8  | 534.8  | 532.3  | 530.6  | 527.2  | 523.8  | 520.4  | 517.0  | 520.4  | 523.8  | 527.2  |
| 117.5° | 593.1  | 589.7  | 588.0  | 586.0  | 582.0  | 578.0  | 574.0  | 570.0  | 574.0  | 578.0  | 582.0  |
| 120°   | 648.3  | 644.7  | 642.9  | 641.4  | 638.4  | 635.4  | 632.4  | 629.4  | 632.4  | 635.4  | 638.4  |
| 122.5° | 700.1  | 696.1  | 694.1  | 692.5  | 689.3  | 686.1  | 682.9  | 679.7  | 682.9  | 686.1  | 689.3  |
| 125°   | 748.4  | 744.6  | 742.7  | 741.4  | 738.8  | 736.2  | 733.6  | 731.0  | 733.6  | 736.2  | 738.8  |
| 127.5° | 794.8  | 791.8  | 790.3  | 788.9  | 786.1  | 783.3  | 780.5  | 777.7  | 780.5  | 783.3  | 786.1  |
| 130°   | 839.5  | 837.3  | 836.2  | 834.6  | 831.4  | 828.2  | 825.0  | 821.8  | 825.0  | 828.2  | 831.4  |
| 132.5° | 881.7  | 879.5  | 878.4  | 877.1  | 874.5  | 872.0  | 869.4  | 866.8  | 869.4  | 872.0  | 874.5  |
| 135°   | 921.6  | 919.8  | 918.9  | 917.3  | 914.1  | 910.9  | 907.7  | 904.5  | 907.7  | 910.9  | 914.1  |
| 137.5° | 957.9  | 955.9  | 954.9  | 953.7  | 951.3  | 948.9  | 946.5  | 944.1  | 946.5  | 948.9  | 951.3  |
| 140°   | 993.2  | 991.0  | 989.9  | 989.1  | 987.5  | 985.9  | 984.3  | 982.7  | 984.3  | 985.9  | 987.5  |
| 142.5° | 1025.3 | 1022.7 | 1021.4 | 1020.7 | 1019.3 | 1017.9 | 1016.5 | 1015.1 | 1016.5 | 1017.9 | 1019.3 |
| 145°   | 1053.5 | 1050.1 | 1048.4 | 1048.5 | 1048.7 | 1048.9 | 1049.1 | 1049.3 | 1049.1 | 1048.9 | 1048.7 |
| 147.5° | 1081.3 | 1077.9 | 1076.2 | 1076.5 | 1077.1 | 1077.7 | 1078.3 | 1078.9 | 1078.3 | 1077.7 | 1077.1 |
| 150°   | 1106.2 | 1103.0 | 1101.4 | 1102.1 | 1103.5 | 1104.9 | 1106.3 | 1107.7 | 1106.3 | 1104.9 | 1103.5 |
| 152.5° | 1129.3 | 1126.3 | 1124.8 | 1125.6 | 1127.2 | 1128.8 | 1130.4 | 1132.0 | 1130.4 | 1128.8 | 1127.2 |
| 155°   | 1150.9 | 1148.5 | 1147.3 | 1148.2 | 1150.0 | 1151.8 | 1153.6 | 1155.4 | 1153.6 | 1151.8 | 1150.0 |
| 157.5° | 1169.8 | 1168.0 | 1167.1 | 1167.9 | 1169.5 | 1171.0 | 1172.6 | 1174.2 | 1172.6 | 1171.0 | 1169.5 |
| 160°   | 1186.8 | 1185.6 | 1185.0 | 1185.6 | 1186.8 | 1188.0 | 1189.2 | 1190.4 | 1189.2 | 1188.0 | 1186.8 |
| 162.5° | 1200.9 | 1199.9 | 1199.4 | 1200.0 | 1201.2 | 1202.4 | 1203.6 | 1204.8 | 1203.6 | 1202.4 | 1201.2 |
| 165°   | 1212.9 | 1212.3 | 1212.0 | 1212.6 | 1213.8 | 1215.0 | 1216.2 | 1217.4 | 1216.2 | 1215.0 | 1213.8 |
| 167.5° | 1222.8 | 1222.2 | 1221.9 | 1222.5 | 1223.7 | 1224.9 | 1226.1 | 1227.3 | 1226.1 | 1224.9 | 1223.7 |
| 170°   | 1230.6 | 1230.2 | 1230.0 | 1230.6 | 1231.8 | 1233.0 | 1234.2 | 1235.4 | 1234.2 | 1233.0 | 1231.8 |
| 172.5° | 1236.0 | 1235.6 | 1235.4 | 1236.0 | 1237.2 | 1238.4 | 1239.6 | 1240.8 | 1239.6 | 1238.4 | 1237.2 |
| 175°   | 1239.6 | 1239.2 | 1239.0 | 1239.7 | 1241.1 | 1242.5 | 1243.9 | 1245.3 | 1243.9 | 1242.5 | 1241.1 |
| 177.5° | 1241.1 | 1240.9 | 1240.8 | 1241.5 | 1242.9 | 1244.3 | 1245.7 | 1247.1 | 1245.7 | 1244.3 | 1242.9 |
| 180°   | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 |

TEST NUMBER: P1008057

CATALOG NUMBER: S122DIP-B290D925UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 572.0 | 572.0  | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 |
| 2.5°   | 565.8 | 568.0  | 567.6 | 563.2 | 558.4 | 554.4 | 546.9 | 547.8 | 545.2 | 545.6 | 548.3 |
| 5°     | 551.8 | 551.8  | 550.0 | 543.9 | 535.9 | 531.5 | 523.2 | 521.0 | 515.7 | 515.3 | 514.8 |
| 7.5°   | 536.8 | 534.6  | 532.4 | 523.6 | 514.0 | 506.9 | 495.5 | 492.9 | 487.6 | 484.1 | 482.3 |
| 10°    | 519.2 | 516.2  | 511.8 | 501.7 | 489.8 | 481.0 | 469.1 | 465.6 | 455.5 | 451.1 | 448.5 |
| 12.5°  | 499.9 | 498.1  | 491.1 | 482.7 | 463.4 | 453.7 | 436.6 | 440.1 | 430.0 | 421.2 | 419.9 |
| 15°    | 480.5 | 474.0  | 470.0 | 456.4 | 433.1 | 428.7 | 415.0 | 408.0 | 398.8 | 391.7 | 391.7 |
| 17.5°  | 461.6 | 451.5  | 442.7 | 428.2 | 411.1 | 398.8 | 388.7 | 385.1 | 373.7 | 366.7 | 365.4 |
| 20°    | 436.6 | 425.2  | 423.0 | 402.3 | 390.4 | 376.8 | 367.1 | 358.3 | 350.0 | 346.9 | 344.7 |
| 22.5°  | 412.8 | 399.7  | 396.1 | 378.5 | 366.7 | 353.0 | 343.4 | 337.2 | 331.1 | 328.9 | 324.9 |
| 25°    | 387.3 | 379.4  | 374.2 | 355.2 | 342.1 | 329.3 | 322.7 | 318.3 | 312.6 | 312.2 | 309.5 |
| 27.5°  | 362.7 | 355.2  | 350.0 | 331.9 | 322.3 | 310.4 | 305.1 | 300.3 | 297.2 | 295.9 | 294.6 |
| 30°    | 341.6 | 333.3  | 327.1 | 313.9 | 302.0 | 292.4 | 288.0 | 284.9 | 283.1 | 280.9 | 280.5 |
| 32.5°  | 318.3 | 313.5  | 305.1 | 295.0 | 285.8 | 276.5 | 273.9 | 271.7 | 269.1 | 268.2 | 267.8 |
| 35°    | 298.5 | 291.9  | 286.7 | 275.2 | 271.3 | 263.4 | 260.3 | 258.5 | 255.0 | 254.1 | 253.2 |
| 37.5°  | 279.2 | 273.0  | 267.3 | 260.3 | 252.8 | 248.4 | 246.6 | 244.0 | 242.3 | 242.7 | 241.8 |
| 40°    | 259.8 | 255.0  | 250.6 | 243.1 | 238.7 | 236.5 | 233.0 | 230.4 | 229.5 | 229.9 | 229.5 |
| 42.5°  | 240.9 | 236.5  | 233.9 | 228.2 | 223.8 | 221.6 | 219.4 | 216.8 | 218.1 | 218.1 | 219.4 |
| 45°    | 223.8 | 219.8  | 218.1 | 213.7 | 211.0 | 207.5 | 205.3 | 204.9 | 206.6 | 206.2 | 206.2 |
| 47.5°  | 206.2 | 204.9  | 202.7 | 198.7 | 195.2 | 193.0 | 192.6 | 192.6 | 194.3 | 195.2 | 194.8 |
| 50°    | 192.6 | 189.9  | 187.3 | 184.2 | 181.6 | 180.7 | 179.4 | 180.3 | 182.0 | 182.0 | 182.9 |
| 52.5°  | 175.4 | 173.7  | 172.8 | 170.1 | 168.4 | 168.4 | 168.4 | 168.8 | 170.1 | 171.5 | 171.0 |
| 55°    | 160.5 | 159.2  | 158.3 | 157.0 | 154.8 | 155.2 | 154.8 | 155.6 | 157.0 | 158.3 | 159.2 |
| 57.5°  | 144.6 | 144.2  | 143.3 | 141.1 | 141.1 | 140.7 | 142.0 | 142.4 | 144.6 | 145.5 | 146.8 |
| 60°    | 130.6 | 129.3  | 129.3 | 127.5 | 127.5 | 127.5 | 128.8 | 130.1 | 131.9 | 132.3 | 133.2 |
| 62.5°  | 115.6 | 115.6  | 115.2 | 113.9 | 113.9 | 115.2 | 115.6 | 117.4 | 118.3 | 118.3 | 119.6 |
| 65°    | 101.6 | 101.1  | 100.7 | 101.1 | 101.6 | 101.6 | 102.9 | 103.8 | 104.6 | 105.1 | 105.5 |
| 67.5°  | 87.5  | 87.1   | 87.9  | 87.5  | 88.4  | 90.1  | 89.7  | 91.0  | 92.3  | 92.3  | 92.8  |
| 70°    | 74.3  | 75.2   | 74.7  | 75.6  | 75.2  | 76.1  | 77.4  | 77.8  | 77.8  | 78.3  | 79.6  |
| 72.5°  | 62.0  | 62.0   | 62.0  | 61.6  | 62.0  | 62.9  | 63.8  | 64.2  | 65.1  | 65.5  | 66.8  |
| 75°    | 50.1  | 50.1   | 49.2  | 50.1  | 50.1  | 51.0  | 51.9  | 51.9  | 51.9  | 52.8  | 54.1  |
| 77.5°  | 37.8  | 38.3   | 37.8  | 38.7  | 38.7  | 39.1  | 40.0  | 39.6  | 40.4  | 40.9  | 41.3  |
| 80°    | 27.7  | 27.3   | 27.3  | 27.3  | 27.7  | 27.7  | 28.6  | 29.0  | 29.0  | 30.3  | 29.5  |
| 82.5°  | 17.6  | 18.0   | 17.6  | 18.0  | 18.0  | 18.5  | 18.0  | 18.5  | 18.9  | 19.8  | 19.3  |
| 85°    | 10.1  | 9.7    | 9.7   | 10.1  | 9.7   | 9.7   | 10.1  | 9.7   | 10.1  | 9.7   | 10.1  |
| 87.5°  | 4.0   | 3.5    | 3.5   | 3.5   | 3.5   | 3.1   | 3.1   | 2.6   | 2.6   | 2.6   | 2.2   |
| 90°    | 9.7   | 10.8   | 11.6  | 13.2  | 14.8  | 16.4  | 18.0  | 19.0  | 20.0  | 21.0  | 22.0  |
| 92.5°  | 19.3  | 18.9   | 19.2  | 19.8  | 20.4  | 21.0  | 21.6  | 22.0  | 22.4  | 22.8  | 23.2  |
| 95°    | 32.1  | 28.8   | 29.5  | 30.9  | 32.3  | 33.7  | 35.1  | 36.1  | 37.1  | 38.1  | 39.1  |
| 97.5°  | 39.7  | 31.5   | 33.1  | 36.3  | 39.5  | 42.7  | 45.9  | 46.5  | 47.1  | 47.7  | 48.3  |
| 100°   | 49.7  | 36.0   | 37.7  | 41.1  | 44.4  | 47.8  | 51.2  | 52.8  | 54.4  | 56.0  | 57.6  |
| 102.5° | 216.9 | 216.7  | 198.5 | 162.1 | 125.8 | 89.4  | 53.0  | 55.2  | 57.4  | 59.6  | 61.8  |
| 105°   | 297.3 | 300.3  | 273.0 | 218.5 | 163.9 | 109.4 | 54.8  | 57.0  | 59.2  | 61.4  | 63.6  |
| 107.5° | 357.1 | 359.6  | 325.9 | 258.6 | 191.3 | 123.9 | 56.6  | 58.8  | 61.0  | 63.2  | 65.4  |
| 110°   | 415.1 | 417.2  | 388.3 | 330.6 | 272.8 | 215.1 | 157.3 | 137.3 | 117.3 | 97.4  | 77.4  |

TEST NUMBER: P1008057

CATALOG NUMBER: S122DIP-B290D925UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 470.2  | 472.0  | 470.3  | 466.9  | 463.6  | 460.2  | 456.8  | 370.7  | 284.5  | 198.4  | 112.3  |
| 115°   | 530.6  | 532.3  | 534.8  | 539.8  | 544.8  | 549.8  | 554.8  | 462.3  | 369.8  | 277.3  | 184.8  |
| 117.5° | 586.0  | 588.0  | 589.7  | 593.1  | 596.5  | 599.9  | 603.3  | 574.7  | 546.1  | 517.6  | 489.0  |
| 120°   | 641.4  | 642.9  | 644.7  | 648.3  | 651.9  | 655.5  | 659.1  | 661.5  | 663.9  | 666.2  | 668.6  |
| 122.5° | 692.5  | 694.1  | 696.1  | 700.1  | 704.1  | 708.1  | 712.1  | 713.3  | 714.5  | 715.7  | 716.9  |
| 125°   | 741.4  | 742.7  | 744.6  | 748.4  | 752.2  | 756.0  | 759.8  | 761.2  | 762.6  | 763.9  | 765.3  |
| 127.5° | 788.9  | 790.3  | 791.8  | 794.8  | 797.8  | 800.8  | 803.8  | 805.8  | 807.8  | 809.8  | 811.8  |
| 130°   | 834.6  | 836.2  | 837.3  | 839.5  | 841.7  | 843.9  | 846.1  | 848.3  | 850.5  | 852.7  | 854.9  |
| 132.5° | 877.1  | 878.4  | 879.5  | 881.7  | 883.9  | 886.1  | 888.3  | 890.1  | 891.9  | 893.7  | 895.5  |
| 135°   | 917.3  | 918.9  | 919.8  | 921.6  | 923.4  | 925.2  | 927.0  | 929.0  | 931.0  | 933.0  | 935.0  |
| 137.5° | 953.7  | 954.9  | 955.9  | 957.9  | 959.9  | 961.9  | 963.9  | 965.9  | 967.9  | 969.8  | 971.8  |
| 140°   | 989.1  | 989.9  | 991.0  | 993.2  | 995.4  | 997.6  | 999.8  | 1001.6 | 1003.4 | 1005.2 | 1007.0 |
| 142.5° | 1020.7 | 1021.4 | 1022.7 | 1025.3 | 1027.9 | 1030.5 | 1033.1 | 1034.7 | 1036.3 | 1037.9 | 1039.5 |
| 145°   | 1048.5 | 1048.4 | 1050.1 | 1053.5 | 1056.9 | 1060.3 | 1063.7 | 1065.1 | 1066.5 | 1067.9 | 1069.3 |
| 147.5° | 1076.5 | 1076.2 | 1077.9 | 1081.3 | 1084.7 | 1088.1 | 1091.5 | 1092.5 | 1093.5 | 1094.5 | 1095.5 |
| 150°   | 1102.1 | 1101.4 | 1103.0 | 1106.2 | 1109.4 | 1112.6 | 1115.8 | 1117.0 | 1118.2 | 1119.4 | 1120.6 |
| 152.5° | 1125.6 | 1124.8 | 1126.3 | 1129.3 | 1132.3 | 1135.3 | 1138.3 | 1139.5 | 1140.7 | 1141.9 | 1143.1 |
| 155°   | 1148.2 | 1147.3 | 1148.5 | 1150.9 | 1153.3 | 1155.7 | 1158.1 | 1159.3 | 1160.5 | 1161.7 | 1162.9 |
| 157.5° | 1167.9 | 1167.1 | 1168.0 | 1169.8 | 1171.5 | 1173.3 | 1175.1 | 1176.5 | 1177.9 | 1179.3 | 1180.7 |
| 160°   | 1185.6 | 1185.0 | 1185.6 | 1186.8 | 1188.0 | 1189.2 | 1190.4 | 1191.6 | 1192.8 | 1194.0 | 1195.2 |
| 162.5° | 1200.0 | 1199.4 | 1199.9 | 1200.9 | 1201.9 | 1202.9 | 1203.9 | 1205.3 | 1206.7 | 1208.1 | 1209.5 |
| 165°   | 1212.6 | 1212.0 | 1212.3 | 1212.9 | 1213.5 | 1214.1 | 1214.7 | 1216.1 | 1217.5 | 1218.9 | 1220.3 |
| 167.5° | 1222.5 | 1221.9 | 1222.2 | 1222.8 | 1223.4 | 1224.0 | 1224.6 | 1226.0 | 1227.4 | 1228.8 | 1230.2 |
| 170°   | 1230.6 | 1230.0 | 1230.2 | 1230.6 | 1231.0 | 1231.4 | 1231.8 | 1233.2 | 1234.6 | 1236.0 | 1237.4 |
| 172.5° | 1236.0 | 1235.4 | 1235.6 | 1236.0 | 1236.4 | 1236.8 | 1237.2 | 1238.6 | 1240.0 | 1241.4 | 1242.8 |
| 175°   | 1239.7 | 1239.0 | 1239.2 | 1239.6 | 1240.0 | 1240.4 | 1240.8 | 1242.2 | 1243.6 | 1245.0 | 1246.4 |
| 177.5° | 1241.5 | 1240.8 | 1240.9 | 1241.1 | 1241.3 | 1241.5 | 1241.7 | 1243.1 | 1244.5 | 1245.9 | 1247.3 |
| 180°   | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 |

TEST NUMBER: P1008057

CATALOG NUMBER: S122DIP-B290D925UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 572.0  | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0  |
| 2.5°   | 545.2  | 546.5 | 543.4 | 542.5 | 543.4 | 540.3 | 541.2 | 542.1 | 542.1 | 543.4 | 544.3  |
| 5°     | 513.5  | 511.8 | 508.7 | 507.8 | 506.9 | 508.2 | 507.4 | 508.7 | 509.1 | 512.2 | 512.6  |
| 7.5°   | 482.3  | 479.7 | 477.0 | 474.4 | 473.5 | 471.3 | 473.5 | 473.5 | 476.6 | 475.7 | 477.9  |
| 10°    | 445.4  | 444.9 | 441.4 | 440.1 | 438.3 | 434.8 | 439.7 | 438.3 | 440.5 | 444.5 | 445.4  |
| 12.5°  | 418.1  | 413.3 | 415.5 | 409.3 | 411.5 | 408.0 | 408.4 | 408.4 | 412.0 | 412.4 | 411.5  |
| 15°    | 392.2  | 388.2 | 382.5 | 379.9 | 378.5 | 376.8 | 382.5 | 382.9 | 380.3 | 386.5 | 384.3  |
| 17.5°  | 365.8  | 365.8 | 360.5 | 359.2 | 355.7 | 357.4 | 356.6 | 357.0 | 356.1 | 360.5 | 362.7  |
| 20°    | 342.9  | 340.7 | 339.0 | 339.4 | 335.0 | 334.1 | 333.3 | 334.1 | 337.2 | 340.3 | 341.2  |
| 22.5°  | 324.5  | 323.1 | 318.8 | 319.6 | 316.1 | 317.4 | 316.6 | 318.8 | 319.2 | 319.2 | 322.3  |
| 25°    | 306.9  | 305.1 | 305.6 | 303.8 | 302.5 | 302.5 | 301.2 | 302.5 | 304.2 | 305.1 | 305.6  |
| 27.5°  | 293.7  | 292.4 | 290.2 | 288.9 | 289.7 | 287.5 | 289.3 | 290.6 | 290.6 | 289.7 | 290.6  |
| 30°    | 277.9  | 278.7 | 278.7 | 274.3 | 276.1 | 275.2 | 276.5 | 277.4 | 277.4 | 277.9 | 277.0  |
| 32.5°  | 267.3  | 264.7 | 264.2 | 263.8 | 263.8 | 262.0 | 262.0 | 263.4 | 263.8 | 264.2 | 265.6  |
| 35°    | 253.2  | 253.2 | 251.0 | 252.4 | 250.6 | 251.0 | 250.6 | 251.0 | 251.9 | 250.6 | 251.9  |
| 37.5°  | 240.5  | 240.9 | 240.1 | 240.9 | 241.4 | 240.5 | 239.6 | 241.4 | 240.5 | 240.5 | 239.6  |
| 40°    | 229.5  | 229.1 | 229.5 | 229.5 | 229.5 | 229.9 | 229.1 | 229.1 | 229.1 | 228.2 | 227.3  |
| 42.5°  | 220.3  | 217.6 | 218.5 | 219.0 | 217.6 | 217.6 | 218.1 | 217.6 | 219.0 | 216.3 | 216.3  |
| 45°    | 207.1  | 206.2 | 206.6 | 206.6 | 207.5 | 206.2 | 207.1 | 207.5 | 206.2 | 205.8 | 204.9  |
| 47.5°  | 195.2  | 196.1 | 195.2 | 196.1 | 196.1 | 197.0 | 195.2 | 195.6 | 196.1 | 194.3 | 193.0  |
| 50°    | 183.3  | 183.3 | 184.7 | 184.2 | 184.7 | 183.8 | 183.8 | 183.3 | 183.8 | 182.9 | 181.6  |
| 52.5°  | 172.3  | 171.0 | 173.2 | 172.8 | 172.3 | 171.9 | 171.5 | 171.9 | 171.0 | 170.1 | 170.1  |
| 55°    | 158.7  | 158.7 | 160.0 | 160.5 | 160.5 | 159.6 | 158.7 | 159.2 | 158.7 | 158.3 | 157.8  |
| 57.5°  | 147.7  | 146.0 | 146.8 | 147.3 | 147.3 | 146.0 | 146.8 | 146.0 | 146.0 | 146.4 | 145.1  |
| 60°    | 133.7  | 133.7 | 132.8 | 134.1 | 134.1 | 133.2 | 133.2 | 133.7 | 132.8 | 132.3 | 131.9  |
| 62.5°  | 118.7  | 119.1 | 120.5 | 120.9 | 121.3 | 120.5 | 119.6 | 120.0 | 120.0 | 118.7 | 119.1  |
| 65°    | 106.0  | 106.8 | 108.6 | 108.2 | 107.3 | 107.7 | 106.8 | 107.3 | 106.0 | 106.4 | 105.1  |
| 67.5°  | 93.6   | 93.2  | 93.6  | 93.6  | 94.5  | 94.1  | 93.2  | 93.2  | 92.8  | 94.1  | 92.8   |
| 70°    | 80.5   | 80.5  | 80.5  | 80.5  | 80.9  | 81.3  | 80.5  | 79.6  | 80.0  | 79.1  | 78.7   |
| 72.5°  | 66.8   | 67.3  | 66.8  | 67.7  | 66.4  | 67.3  | 67.3  | 66.8  | 66.4  | 66.4  | 66.4   |
| 75°    | 54.1   | 55.0  | 53.6  | 54.1  | 53.6  | 54.5  | 54.1  | 54.1  | 53.2  | 52.8  | 53.2   |
| 77.5°  | 41.3   | 41.8  | 40.9  | 41.3  | 40.9  | 41.3  | 41.3  | 40.9  | 40.9  | 40.9  | 40.9   |
| 80°    | 29.5   | 29.9  | 29.5  | 29.0  | 28.6  | 29.5  | 28.6  | 29.0  | 29.5  | 29.0  | 29.9   |
| 82.5°  | 18.9   | 18.9  | 18.5  | 18.9  | 18.0  | 18.0  | 18.5  | 18.5  | 18.0  | 18.9  | 18.0   |
| 85°    | 9.2    | 9.2   | 10.1  | 9.2   | 8.8   | 8.8   | 8.8   | 9.2   | 8.8   | 9.7   | 9.2    |
| 87.5°  | 2.2    | 1.8   | 2.2   | 2.2   | 1.8   | 1.8   | 2.2   | 1.8   | 2.2   | 2.6   | 1.8    |
| 90°    | 22.5   | 22.7  | 23.1  | 23.5  | 23.9  | 24.3  | 23.9  | 23.5  | 23.1  | 22.7  | 22.5   |
| 92.5°  | 23.4   | 23.5  | 23.7  | 23.9  | 24.1  | 24.3  | 24.1  | 23.9  | 23.7  | 23.5  | 23.4   |
| 95°    | 39.6   | 39.5  | 39.3  | 39.1  | 38.9  | 38.7  | 38.9  | 39.1  | 39.3  | 39.5  | 39.6   |
| 97.5°  | 48.6   | 48.7  | 48.9  | 49.1  | 49.3  | 49.5  | 49.3  | 49.1  | 48.9  | 48.7  | 48.6   |
| 100°   | 58.4   | 58.6  | 59.0  | 59.4  | 59.8  | 60.2  | 59.8  | 59.4  | 59.0  | 58.6  | 58.4   |
| 102.5° | 62.9   | 63.2  | 63.8  | 64.4  | 65.0  | 65.6  | 65.0  | 64.4  | 63.8  | 63.2  | 62.9   |
| 105°   | 64.7   | 65.1  | 65.9  | 66.7  | 67.5  | 68.3  | 67.5  | 66.7  | 65.9  | 65.1  | 64.7   |
| 107.5° | 66.5   | 66.9  | 67.7  | 68.5  | 69.3  | 70.1  | 69.3  | 68.5  | 67.7  | 66.9  | 66.5   |
| 110°   | 67.4   | 67.8  | 68.6  | 69.4  | 70.2  | 71.0  | 70.2  | 69.4  | 68.6  | 67.8  | 67.4   |

TEST NUMBER: P1008057

CATALOG NUMBER: S122DIP-B290D925UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 69.2   | 69.5   | 70.1   | 70.7   | 71.3   | 71.9   | 71.3   | 70.7   | 70.1   | 69.5   | 69.2   |
| 115°   | 138.5  | 131.3  | 116.9  | 102.5  | 88.1   | 73.7   | 88.1   | 102.5  | 116.9  | 131.3  | 138.5  |
| 117.5° | 474.7  | 448.5  | 396.2  | 343.9  | 291.5  | 239.2  | 291.5  | 343.9  | 396.2  | 448.5  | 474.7  |
| 120°   | 669.8  | 656.3  | 629.4  | 602.4  | 575.5  | 548.5  | 575.5  | 602.4  | 629.4  | 656.3  | 669.8  |
| 122.5° | 717.5  | 717.6  | 717.8  | 718.0  | 718.2  | 718.4  | 718.2  | 718.0  | 717.8  | 717.6  | 717.5  |
| 125°   | 766.0  | 766.3  | 766.9  | 767.5  | 768.1  | 768.7  | 768.1  | 767.5  | 766.9  | 766.3  | 766.0  |
| 127.5° | 812.8  | 812.9  | 813.1  | 813.3  | 813.5  | 813.7  | 813.5  | 813.3  | 813.1  | 812.9  | 812.8  |
| 130°   | 856.0  | 855.9  | 855.7  | 855.5  | 855.3  | 855.1  | 855.3  | 855.5  | 855.7  | 855.9  | 856.0  |
| 132.5° | 896.4  | 896.3  | 896.1  | 895.9  | 895.7  | 895.5  | 895.7  | 895.9  | 896.1  | 896.3  | 896.4  |
| 135°   | 936.0  | 935.8  | 935.4  | 935.0  | 934.6  | 934.2  | 934.6  | 935.0  | 935.4  | 935.8  | 936.0  |
| 137.5° | 972.8  | 972.5  | 971.9  | 971.3  | 970.7  | 970.1  | 970.7  | 971.3  | 971.9  | 972.5  | 972.8  |
| 140°   | 1007.9 | 1007.4 | 1006.4 | 1005.4 | 1004.4 | 1003.4 | 1004.4 | 1005.4 | 1006.4 | 1007.4 | 1007.9 |
| 142.5° | 1040.3 | 1039.8 | 1038.8 | 1037.8 | 1036.8 | 1035.8 | 1036.8 | 1037.8 | 1038.8 | 1039.8 | 1040.3 |
| 145°   | 1070.0 | 1069.5 | 1068.5 | 1067.5 | 1066.5 | 1065.5 | 1066.5 | 1067.5 | 1068.5 | 1069.5 | 1070.0 |
| 147.5° | 1096.0 | 1095.6 | 1094.8 | 1094.0 | 1093.2 | 1092.4 | 1093.2 | 1094.0 | 1094.8 | 1095.6 | 1096.0 |
| 150°   | 1121.2 | 1120.7 | 1119.7 | 1118.7 | 1117.7 | 1116.7 | 1117.7 | 1118.7 | 1119.7 | 1120.7 | 1121.2 |
| 152.5° | 1143.7 | 1143.0 | 1141.6 | 1140.2 | 1138.8 | 1137.4 | 1138.8 | 1140.2 | 1141.6 | 1143.0 | 1143.7 |
| 155°   | 1163.5 | 1162.7 | 1161.1 | 1159.5 | 1157.9 | 1156.3 | 1157.9 | 1159.5 | 1161.1 | 1162.7 | 1163.5 |
| 157.5° | 1181.4 | 1180.6 | 1179.0 | 1177.4 | 1175.8 | 1174.2 | 1175.8 | 1177.4 | 1179.0 | 1180.6 | 1181.4 |
| 160°   | 1195.8 | 1195.1 | 1193.7 | 1192.3 | 1190.9 | 1189.5 | 1190.9 | 1192.3 | 1193.7 | 1195.1 | 1195.8 |
| 162.5° | 1210.2 | 1209.3 | 1207.5 | 1205.7 | 1203.9 | 1202.1 | 1203.9 | 1205.7 | 1207.5 | 1209.3 | 1210.2 |
| 165°   | 1221.0 | 1220.3 | 1218.9 | 1217.5 | 1216.1 | 1214.7 | 1216.1 | 1217.5 | 1218.9 | 1220.3 | 1221.0 |
| 167.5° | 1230.9 | 1230.0 | 1228.2 | 1226.4 | 1224.6 | 1222.8 | 1224.6 | 1226.4 | 1228.2 | 1230.0 | 1230.9 |
| 170°   | 1238.1 | 1237.2 | 1235.4 | 1233.6 | 1231.8 | 1230.0 | 1231.8 | 1233.6 | 1235.4 | 1237.2 | 1238.1 |
| 172.5° | 1243.5 | 1242.6 | 1240.8 | 1239.0 | 1237.2 | 1235.4 | 1237.2 | 1239.0 | 1240.8 | 1242.6 | 1243.5 |
| 175°   | 1247.1 | 1246.1 | 1244.1 | 1242.1 | 1240.1 | 1238.1 | 1240.1 | 1242.1 | 1244.1 | 1246.1 | 1247.1 |
| 177.5° | 1248.0 | 1247.1 | 1245.3 | 1243.5 | 1241.7 | 1239.9 | 1241.7 | 1243.5 | 1245.3 | 1247.1 | 1248.0 |
| 180°   | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 |

TEST NUMBER: P1008057

CATALOG NUMBER: S122DIP-B290D925UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0  | 572.0 |
| 2.5°   | 543.0 | 546.5 | 545.2 | 540.3 | 546.1 | 546.1 | 550.0 | 550.0 | 554.9 | 556.6  | 559.2 |
| 5°     | 512.2 | 514.8 | 517.0 | 514.8 | 518.8 | 525.0 | 528.5 | 531.5 | 538.1 | 540.8  | 544.7 |
| 7.5°   | 479.2 | 484.1 | 486.3 | 486.3 | 492.9 | 499.9 | 506.9 | 511.3 | 520.6 | 524.1  | 528.0 |
| 10°    | 447.1 | 452.8 | 457.2 | 456.8 | 467.8 | 472.2 | 481.0 | 491.1 | 500.3 | 505.6  | 511.3 |
| 12.5°  | 413.3 | 416.4 | 422.5 | 431.3 | 433.9 | 441.9 | 452.0 | 464.7 | 481.4 | 486.3  | 494.6 |
| 15°    | 385.1 | 393.5 | 398.3 | 402.3 | 408.4 | 415.9 | 426.9 | 439.2 | 455.9 | 466.5  | 475.3 |
| 17.5°  | 361.4 | 372.4 | 375.5 | 374.6 | 382.5 | 393.9 | 406.7 | 415.9 | 430.9 | 443.6  | 452.0 |
| 20°    | 342.1 | 346.5 | 351.7 | 353.9 | 360.1 | 372.4 | 384.7 | 395.3 | 407.6 | 417.7  | 427.3 |
| 22.5°  | 322.7 | 326.2 | 330.6 | 334.6 | 339.4 | 346.5 | 358.3 | 371.5 | 383.4 | 393.1  | 404.0 |
| 25°    | 306.9 | 309.1 | 313.0 | 316.1 | 321.4 | 326.2 | 334.6 | 349.1 | 363.2 | 368.9  | 378.5 |
| 27.5°  | 291.5 | 293.3 | 295.9 | 299.4 | 302.0 | 306.9 | 314.4 | 326.2 | 340.7 | 346.5  | 359.6 |
| 30°    | 277.9 | 279.2 | 281.8 | 283.6 | 284.9 | 290.6 | 296.3 | 305.6 | 316.6 | 324.5  | 334.1 |
| 32.5°  | 265.1 | 266.4 | 269.1 | 269.5 | 271.3 | 274.3 | 279.6 | 288.0 | 297.6 | 304.2  | 312.6 |
| 35°    | 251.0 | 251.9 | 254.6 | 255.4 | 256.8 | 259.4 | 263.4 | 269.5 | 278.3 | 283.1  | 290.6 |
| 37.5°  | 240.1 | 239.6 | 241.4 | 242.7 | 244.5 | 245.8 | 247.1 | 253.2 | 259.8 | 264.2  | 270.0 |
| 40°    | 228.2 | 227.3 | 227.7 | 229.5 | 230.4 | 232.1 | 232.1 | 238.3 | 242.7 | 246.2  | 250.6 |
| 42.5°  | 216.3 | 215.9 | 215.0 | 215.9 | 216.8 | 217.2 | 217.6 | 222.0 | 226.4 | 229.5  | 234.3 |
| 45°    | 204.4 | 204.0 | 203.1 | 203.6 | 203.6 | 204.4 | 205.8 | 207.5 | 210.6 | 213.2  | 215.9 |
| 47.5°  | 193.5 | 192.6 | 191.3 | 190.8 | 191.7 | 191.7 | 191.7 | 193.5 | 196.5 | 197.4  | 200.0 |
| 50°    | 182.0 | 180.7 | 178.9 | 178.1 | 178.1 | 177.6 | 178.5 | 178.9 | 181.6 | 182.5  | 184.7 |
| 52.5°  | 169.7 | 168.8 | 167.1 | 165.3 | 165.8 | 164.9 | 165.3 | 165.8 | 166.6 | 167.9  | 169.3 |
| 55°    | 157.4 | 155.6 | 154.3 | 153.9 | 152.6 | 152.6 | 151.2 | 153.0 | 152.6 | 153.0  | 154.8 |
| 57.5°  | 145.5 | 143.8 | 141.6 | 140.7 | 139.4 | 138.9 | 138.1 | 137.6 | 138.1 | 139.4  | 140.7 |
| 60°    | 131.5 | 130.6 | 129.3 | 127.9 | 127.1 | 125.7 | 124.9 | 124.9 | 124.4 | 124.4  | 124.9 |
| 62.5°  | 117.8 | 117.4 | 115.6 | 115.2 | 114.3 | 113.4 | 112.1 | 111.2 | 111.2 | 112.1  | 112.6 |
| 65°    | 104.6 | 104.2 | 102.9 | 102.4 | 100.2 | 99.4  | 98.9  | 98.5  | 97.6  | 97.6   | 97.6  |
| 67.5°  | 92.3  | 91.0  | 91.0  | 88.8  | 87.1  | 86.2  | 85.3  | 84.9  | 84.9  | 84.9   | 85.3  |
| 70°    | 78.7  | 78.7  | 77.4  | 76.1  | 74.3  | 74.7  | 73.4  | 72.1  | 72.1  | 71.2   | 71.7  |
| 72.5°  | 65.5  | 65.1  | 63.8  | 63.3  | 62.0  | 60.7  | 59.8  | 60.7  | 59.4  | 58.9   | 59.4  |
| 75°    | 52.8  | 52.3  | 51.4  | 50.6  | 51.0  | 49.7  | 48.4  | 47.9  | 47.9  | 47.0   | 47.0  |
| 77.5°  | 40.4  | 41.3  | 39.6  | 39.1  | 38.3  | 37.4  | 36.9  | 36.5  | 36.5  | 36.5   | 37.4  |
| 80°    | 28.1  | 28.6  | 28.6  | 27.7  | 28.1  | 26.8  | 26.8  | 26.8  | 25.5  | 25.9   | 26.4  |
| 82.5°  | 18.0  | 18.0  | 17.6  | 18.0  | 17.6  | 17.6  | 17.1  | 17.1  | 16.7  | 16.7   | 17.1  |
| 85°    | 10.1  | 9.7   | 9.2   | 10.1  | 9.7   | 9.7   | 9.2   | 9.2   | 9.2   | 9.2    | 9.2   |
| 87.5°  | 2.2   | 2.6   | 2.6   | 2.6   | 2.6   | 3.1   | 3.1   | 3.1   | 3.5   | 3.5    | 3.5   |
| 90°    | 22.0  | 21.0  | 20.0  | 19.0  | 18.0  | 16.4  | 14.8  | 13.2  | 11.6  | 10.8   | 9.7   |
| 92.5°  | 23.2  | 22.8  | 22.4  | 22.0  | 21.6  | 21.0  | 20.4  | 19.8  | 19.2  | 18.9   | 19.3  |
| 95°    | 39.1  | 38.1  | 37.1  | 36.1  | 35.1  | 33.7  | 32.3  | 30.9  | 29.5  | 28.8   | 32.1  |
| 97.5°  | 48.3  | 47.7  | 47.1  | 46.5  | 45.9  | 42.7  | 39.5  | 36.3  | 33.1  | 31.5   | 39.7  |
| 100°   | 57.6  | 56.0  | 54.4  | 52.8  | 51.2  | 47.8  | 44.4  | 41.1  | 37.7  | 36.0   | 49.7  |
| 102.5° | 61.8  | 59.6  | 57.4  | 55.2  | 53.0  | 89.4  | 125.8 | 162.1 | 198.5 | 216.7  | 216.9 |
| 105°   | 63.6  | 61.4  | 59.2  | 57.0  | 54.8  | 109.4 | 163.9 | 218.5 | 273.0 | 300.3  | 297.3 |
| 107.5° | 65.4  | 63.2  | 61.0  | 58.8  | 56.6  | 123.9 | 191.3 | 258.6 | 325.9 | 359.6  | 357.1 |
| 110°   | 77.4  | 97.4  | 117.3 | 137.3 | 157.3 | 215.1 | 272.8 | 330.6 | 388.3 | 417.2  | 415.1 |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 112.3  | 198.4  | 284.5  | 370.7  | 456.8  | 460.2  | 463.6  | 466.9  | 470.3  | 472.0  | 470.2  |
| 115°   | 184.8  | 277.3  | 369.8  | 462.3  | 554.8  | 549.8  | 544.8  | 539.8  | 534.8  | 532.3  | 530.6  |
| 117.5° | 489.0  | 517.6  | 546.1  | 574.7  | 603.3  | 599.9  | 596.5  | 593.1  | 589.7  | 588.0  | 586.0  |
| 120°   | 668.6  | 666.2  | 663.9  | 661.5  | 659.1  | 655.5  | 651.9  | 648.3  | 644.7  | 642.9  | 641.4  |
| 122.5° | 716.9  | 715.7  | 714.5  | 713.3  | 712.1  | 708.1  | 704.1  | 700.1  | 696.1  | 694.1  | 692.5  |
| 125°   | 765.3  | 763.9  | 762.6  | 761.2  | 759.8  | 756.0  | 752.2  | 748.4  | 744.6  | 742.7  | 741.4  |
| 127.5° | 811.8  | 809.8  | 807.8  | 805.8  | 803.8  | 800.8  | 797.8  | 794.8  | 791.8  | 790.3  | 788.9  |
| 130°   | 854.9  | 852.7  | 850.5  | 848.3  | 846.1  | 843.9  | 841.7  | 839.5  | 837.3  | 836.2  | 834.6  |
| 132.5° | 895.5  | 893.7  | 891.9  | 890.1  | 888.3  | 886.1  | 883.9  | 881.7  | 879.5  | 878.4  | 877.1  |
| 135°   | 935.0  | 933.0  | 931.0  | 929.0  | 927.0  | 925.2  | 923.4  | 921.6  | 919.8  | 918.9  | 917.3  |
| 137.5° | 971.8  | 969.8  | 967.9  | 965.9  | 963.9  | 961.9  | 959.9  | 957.9  | 955.9  | 954.9  | 953.7  |
| 140°   | 1007.0 | 1005.2 | 1003.4 | 1001.6 | 999.8  | 997.6  | 995.4  | 993.2  | 991.0  | 989.9  | 989.1  |
| 142.5° | 1039.5 | 1037.9 | 1036.3 | 1034.7 | 1033.1 | 1030.5 | 1027.9 | 1025.3 | 1022.7 | 1021.4 | 1020.7 |
| 145°   | 1069.3 | 1067.9 | 1066.5 | 1065.1 | 1063.7 | 1060.3 | 1056.9 | 1053.5 | 1050.1 | 1048.4 | 1048.5 |
| 147.5° | 1095.5 | 1094.5 | 1093.5 | 1092.5 | 1091.5 | 1088.1 | 1084.7 | 1081.3 | 1077.9 | 1076.2 | 1076.5 |
| 150°   | 1120.6 | 1119.4 | 1118.2 | 1117.0 | 1115.8 | 1112.6 | 1109.4 | 1106.2 | 1103.0 | 1101.4 | 1102.1 |
| 152.5° | 1143.1 | 1141.9 | 1140.7 | 1139.5 | 1138.3 | 1135.3 | 1132.3 | 1129.3 | 1126.3 | 1124.8 | 1125.6 |
| 155°   | 1162.9 | 1161.7 | 1160.5 | 1159.3 | 1158.1 | 1155.7 | 1153.3 | 1150.9 | 1148.5 | 1147.3 | 1148.2 |
| 157.5° | 1180.7 | 1179.3 | 1177.9 | 1176.5 | 1175.1 | 1173.3 | 1171.5 | 1169.8 | 1168.0 | 1167.1 | 1167.9 |
| 160°   | 1195.2 | 1194.0 | 1192.8 | 1191.6 | 1190.4 | 1189.2 | 1188.0 | 1186.8 | 1185.6 | 1185.0 | 1185.6 |
| 162.5° | 1209.5 | 1208.1 | 1206.7 | 1205.3 | 1203.9 | 1202.9 | 1201.9 | 1200.9 | 1199.9 | 1199.4 | 1200.0 |
| 165°   | 1220.3 | 1218.9 | 1217.5 | 1216.1 | 1214.7 | 1214.1 | 1213.5 | 1212.9 | 1212.3 | 1212.0 | 1212.6 |
| 167.5° | 1230.2 | 1228.8 | 1227.4 | 1226.0 | 1224.6 | 1224.0 | 1223.4 | 1222.8 | 1222.2 | 1221.9 | 1222.5 |
| 170°   | 1237.4 | 1236.0 | 1234.6 | 1233.2 | 1231.8 | 1231.4 | 1231.0 | 1230.6 | 1230.2 | 1230.0 | 1230.6 |
| 172.5° | 1242.8 | 1241.4 | 1240.0 | 1238.6 | 1237.2 | 1236.8 | 1236.4 | 1236.0 | 1235.6 | 1235.4 | 1236.0 |
| 175°   | 1246.4 | 1245.0 | 1243.6 | 1242.2 | 1240.8 | 1240.4 | 1240.0 | 1239.6 | 1239.2 | 1239.0 | 1239.7 |
| 177.5° | 1247.3 | 1245.9 | 1244.5 | 1243.1 | 1241.7 | 1241.5 | 1241.3 | 1241.1 | 1240.9 | 1240.8 | 1241.5 |
| 180°   | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 | 1242.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 572.0 | 572.0 | 572.0 | 572.0 |
| 2.5°   | 561.4 | 561.4 | 568.0 | 575.1 |
| 5°     | 549.1 | 552.2 | 562.8 | 572.4 |
| 7.5°   | 537.3 | 542.5 | 555.7 | 568.0 |
| 10°    | 522.8 | 529.8 | 546.1 | 560.6 |
| 12.5°  | 508.7 | 515.3 | 534.2 | 550.5 |
| 15°    | 488.9 | 497.3 | 517.5 | 537.7 |
| 17.5°  | 469.1 | 477.5 | 502.1 | 525.8 |
| 20°    | 445.8 | 456.8 | 484.5 | 516.2 |
| 22.5°  | 424.3 | 437.9 | 468.7 | 494.2 |
| 25°    | 400.5 | 421.6 | 450.2 | 483.2 |
| 27.5°  | 379.4 | 400.5 | 429.5 | 463.0 |
| 30°    | 355.7 | 377.2 | 407.1 | 437.9 |
| 32.5°  | 332.8 | 352.6 | 381.6 | 419.4 |
| 35°    | 309.1 | 328.0 | 356.1 | 394.4 |
| 37.5°  | 287.5 | 306.0 | 336.8 | 372.0 |
| 40°    | 266.4 | 285.8 | 312.2 | 347.3 |
| 42.5°  | 246.6 | 263.8 | 287.5 | 322.7 |
| 45°    | 228.6 | 240.9 | 262.9 | 295.9 |
| 47.5°  | 209.7 | 220.7 | 240.9 | 273.9 |
| 50°    | 192.1 | 201.4 | 219.0 | 249.7 |
| 52.5°  | 175.0 | 182.9 | 199.2 | 223.8 |
| 55°    | 159.6 | 167.1 | 178.9 | 203.1 |
| 57.5°  | 143.8 | 149.5 | 160.9 | 180.3 |
| 60°    | 128.4 | 133.7 | 142.9 | 158.7 |
| 62.5°  | 113.0 | 117.4 | 126.2 | 138.9 |
| 65°    | 99.4  | 102.9 | 109.5 | 120.5 |
| 67.5°  | 86.2  | 88.4  | 93.6  | 102.4 |
| 70°    | 73.4  | 75.2  | 79.6  | 86.6  |
| 72.5°  | 59.8  | 61.6  | 66.4  | 71.2  |
| 75°    | 48.4  | 48.8  | 52.3  | 56.3  |
| 77.5°  | 37.8  | 37.4  | 40.0  | 43.1  |
| 80°    | 25.9  | 27.3  | 29.5  | 30.8  |
| 82.5°  | 17.6  | 18.0  | 18.9  | 19.8  |
| 85°    | 9.7   | 10.1  | 10.1  | 11.4  |
| 87.5°  | 4.0   | 4.4   | 4.4   | 4.8   |
| 90°    | 7.5   | 5.3   | 3.1   | 0.9   |
| 92.5°  | 20.1  | 20.9  | 21.7  | 22.5  |
| 95°    | 38.7  | 45.2  | 51.8  | 58.4  |
| 97.5°  | 56.1  | 72.4  | 88.8  | 105.2 |
| 100°   | 77.0  | 104.4 | 131.7 | 159.1 |
| 102.5° | 217.3 | 217.7 | 218.1 | 218.5 |
| 105°   | 291.3 | 285.3 | 279.3 | 273.3 |
| 107.5° | 352.1 | 347.2 | 342.2 | 337.2 |
| 110°   | 410.9 | 406.7 | 402.5 | 398.3 |



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CATALOG NUMBER: S122DIP-B290D925UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 466.6  | 463.1  | 459.5  | 455.9  |
| 115°   | 527.2  | 523.8  | 520.4  | 517.0  |
| 117.5° | 582.0  | 578.0  | 574.0  | 570.0  |
| 120°   | 638.4  | 635.4  | 632.4  | 629.4  |
| 122.5° | 689.3  | 686.1  | 682.9  | 679.7  |
| 125°   | 738.8  | 736.2  | 733.6  | 731.0  |
| 127.5° | 786.1  | 783.3  | 780.5  | 777.7  |
| 130°   | 831.4  | 828.2  | 825.0  | 821.8  |
| 132.5° | 874.5  | 872.0  | 869.4  | 866.8  |
| 135°   | 914.1  | 910.9  | 907.7  | 904.5  |
| 137.5° | 951.3  | 948.9  | 946.5  | 944.1  |
| 140°   | 987.5  | 985.9  | 984.3  | 982.7  |
| 142.5° | 1019.3 | 1017.9 | 1016.5 | 1015.1 |
| 145°   | 1048.7 | 1048.9 | 1049.1 | 1049.3 |
| 147.5° | 1077.1 | 1077.7 | 1078.3 | 1078.9 |
| 150°   | 1103.5 | 1104.9 | 1106.3 | 1107.7 |
| 152.5° | 1127.2 | 1128.8 | 1130.4 | 1132.0 |
| 155°   | 1150.0 | 1151.8 | 1153.6 | 1155.4 |
| 157.5° | 1169.5 | 1171.0 | 1172.6 | 1174.2 |
| 160°   | 1186.8 | 1188.0 | 1189.2 | 1190.4 |
| 162.5° | 1201.2 | 1202.4 | 1203.6 | 1204.8 |
| 165°   | 1213.8 | 1215.0 | 1216.2 | 1217.4 |
| 167.5° | 1223.7 | 1224.9 | 1226.1 | 1227.3 |
| 170°   | 1231.8 | 1233.0 | 1234.2 | 1235.4 |
| 172.5° | 1237.2 | 1238.4 | 1239.6 | 1240.8 |
| 175°   | 1241.1 | 1242.5 | 1243.9 | 1245.3 |
| 177.5° | 1242.9 | 1244.3 | 1245.7 | 1247.1 |
| 180°   | 1242.6 | 1242.6 | 1242.6 | 1242.6 |

(END OF REPORT)