

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: P1012988

Luminaire Tested: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1012988  
REPORT IS A COMBINATION OF REPORTS P995728 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K  
Description: Define 4 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

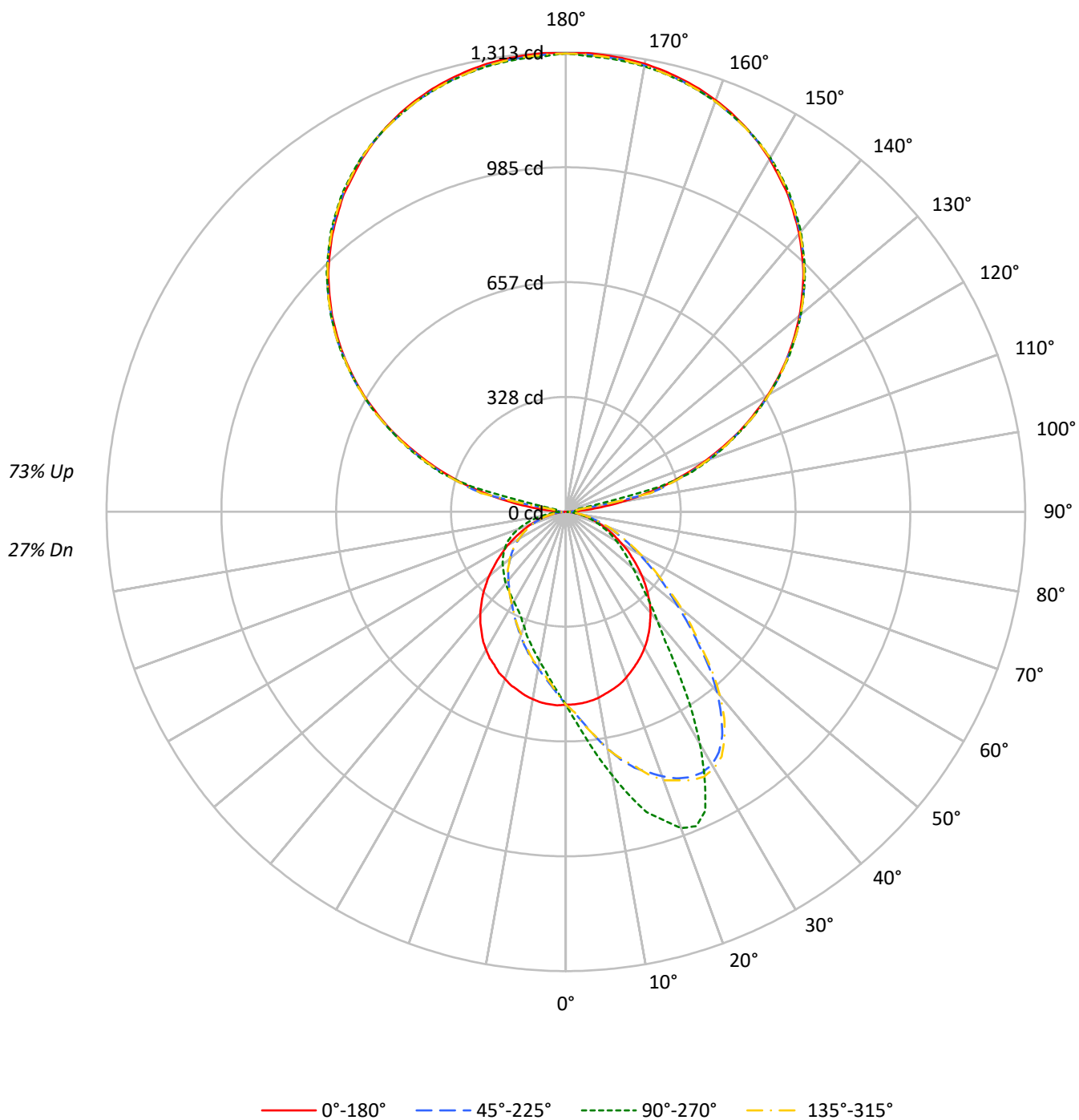
Lumens per Lamp: N/A  
Luminaire Lumens: 5577.0 lumens  
Efficiency: N/A  
Efficacy: 134.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 41.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**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   | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 52 | 52 | 52 | 35 | 35 | 35 |    |    | 27 |
| 1   | 93  | 89  | 85  | 82  | 83 | 79 | 76 | 74 | 62 | 60 | 58 | 46 | 45 | 44 | 31 | 31 | 30 |    |    | 23 |
| 2   | 85  | 78  | 72  | 67  | 75 | 70 | 65 | 60 | 54 | 51 | 48 | 41 | 38 | 37 | 28 | 26 | 25 |    |    | 20 |
| 3   | 77  | 68  | 61  | 56  | 69 | 61 | 55 | 51 | 48 | 44 | 41 | 36 | 33 | 31 | 25 | 23 | 22 |    |    | 17 |
| 4   | 71  | 60  | 53  | 47  | 63 | 54 | 48 | 43 | 43 | 38 | 35 | 32 | 29 | 27 | 22 | 20 | 19 |    |    | 15 |
| 5   | 65  | 54  | 46  | 40  | 58 | 48 | 42 | 37 | 38 | 33 | 30 | 29 | 26 | 23 | 20 | 18 | 16 |    |    | 13 |
| 6   | 60  | 48  | 40  | 35  | 53 | 43 | 37 | 32 | 34 | 29 | 26 | 26 | 23 | 20 | 18 | 16 | 14 |    |    | 11 |
| 7   | 55  | 43  | 36  | 30  | 49 | 39 | 32 | 28 | 31 | 26 | 23 | 24 | 20 | 18 | 16 | 14 | 13 |    |    | 10 |
| 8   | 51  | 39  | 32  | 27  | 45 | 35 | 29 | 24 | 28 | 23 | 20 | 21 | 18 | 16 | 15 | 13 | 12 |    |    | 9  |
| 9   | 47  | 36  | 28  | 24  | 42 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 16 | 14 | 14 | 12 | 10 |    |    | 8  |
| 10  | 44  | 32  | 26  | 21  | 39 | 29 | 23 | 19 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 9  |    |    | 7  |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 4495 | 4495 | 4495 | 4495 |
| 5°  | 4483 | 5156 | 4509 | 3875 |
| 10° | 4450 | 6016 | 4484 | 3400 |
| 15° | 4397 | 6935 | 4427 | 3041 |
| 20° | 4339 | 7520 | 4371 | 2727 |
| 25° | 4257 | 7434 | 4297 | 2495 |
| 30° | 4175 | 6144 | 4226 | 2375 |
| 35° | 4061 | 4579 | 4106 | 2303 |
| 40° | 3929 | 3449 | 3966 | 2268 |
| 45° | 3725 | 2768 | 3771 | 2219 |
| 50° | 3483 | 2333 | 3533 | 2196 |
| 55° | 3197 | 2030 | 3248 | 2170 |
| 60° | 2920 | 1787 | 3006 | 2135 |
| 65° | 2659 | 1538 | 2685 | 2045 |
| 70° | 2354 | 1266 | 2405 | 1884 |
| 75° | 2052 | 973  | 2040 | 1600 |
| 80° | 1616 | 639  | 1596 | 1214 |
| 85° | 1062 | 287  | 997  | 708  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 5812 cd/sqm

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CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 53.6   | 1.0       |
| 10°-20°   | 165.6  | 3.0       |
| 20°-30°   | 263.0  | 4.7       |
| 30°-40°   | 292.3  | 5.2       |
| 40°-50°   | 265.8  | 4.8       |
| 50°-60°   | 217.2  | 3.9       |
| 60°-70°   | 155.1  | 2.8       |
| 70°-80°   | 85.3   | 1.5       |
| 80°-90°   | 25.8   | 0.5       |
| 90°-100°  | 43.5   | 0.8       |
| 100°-110° | 286.4  | 5.1       |
| 110°-120° | 546.8  | 9.8       |
| 120°-130° | 694.2  | 12.4      |
| 130°-140° | 742.6  | 13.3      |
| 140°-150° | 694.4  | 12.5      |
| 150°-160° | 560.0  | 10.0      |
| 160°-170° | 361.1  | 6.5       |
| 170°-180° | 124.5  | 2.2       |
| 0°-30°    | 482.3  | 8.6       |
| 0°-40°    | 774.6  | 13.9      |
| 0°-60°    | 1257.6 | 22.5      |
| 0°-90°    | 1523.7 | 27.3      |
| 90°-120°  | 876.6  | 15.7      |
| 90°-150°  | 3007.7 | 53.9      |
| 90°-180°  | 4053.0 | 72.7      |
| 0°-180°   | 5577.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 551  | 551  | 551  | 551  | 551  |      |
| 5°   | 549  | 647  | 552  | 486  | 549  | 52   |
| 15°  | 524  | 888  | 528  | 390  | 524  | 148  |
| 25°  | 479  | 943  | 483  | 316  | 479  | 221  |
| 35°  | 415  | 558  | 420  | 280  | 415  | 259  |
| 45°  | 331  | 313  | 335  | 251  | 331  | 255  |
| 55°  | 233  | 205  | 237  | 219  | 233  | 209  |
| 65°  | 145  | 132  | 147  | 175  | 145  | 143  |
| 75°  | 71   | 66   | 71   | 108  | 71   | 75   |
| 85°  | 15   | 14   | 14   | 34   | 15   | 17   |
| 90°  | 3    | 29   | 3    | 29   | 3    | 4    |
| 95°  | 54   | 28   | 54   | 28   | 54   | 66   |
| 105° | 295  | 279  | 295  | 279  | 295  | 309  |
| 115° | 551  | 554  | 551  | 554  | 551  | 542  |
| 125° | 774  | 780  | 774  | 780  | 774  | 691  |
| 135° | 960  | 967  | 960  | 967  | 960  | 740  |
| 145° | 1107 | 1113 | 1107 | 1113 | 1107 | 692  |
| 155° | 1214 | 1213 | 1214 | 1213 | 1214 | 560  |
| 165° | 1280 | 1275 | 1280 | 1275 | 1280 | 362  |
| 175° | 1310 | 1302 | 1310 | 1302 | 1310 | 125  |
| 180° | 1310 | 1310 | 1310 | 1310 | 1310 |      |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 |
| 2.5°   | 551.2 | 556.7 | 559.0 | 560.8 | 566.7 | 568.6 | 569.0 | 571.8 | 574.0 | 574.5 | 574.5 |
| 5°     | 548.9 | 557.6 | 564.4 | 570.8 | 580.4 | 584.5 | 589.6 | 595.0 | 602.3 | 606.9 | 609.2 |
| 7.5°   | 545.3 | 558.1 | 568.6 | 579.5 | 592.8 | 601.0 | 605.5 | 620.2 | 630.2 | 638.4 | 648.5 |
| 10°    | 539.8 | 556.2 | 571.3 | 587.3 | 606.0 | 616.0 | 626.1 | 643.9 | 658.1 | 674.0 | 686.8 |
| 12.5°  | 531.6 | 553.0 | 571.3 | 593.7 | 617.0 | 628.8 | 640.7 | 671.8 | 688.2 | 702.4 | 725.2 |
| 15°    | 524.3 | 545.7 | 571.8 | 594.6 | 623.4 | 641.2 | 658.5 | 678.6 | 704.6 | 735.2 | 757.2 |
| 17.5°  | 516.0 | 543.0 | 567.2 | 599.2 | 631.1 | 648.0 | 662.2 | 693.2 | 729.8 | 759.9 | 780.0 |
| 20°    | 504.6 | 532.0 | 564.0 | 597.8 | 635.7 | 648.9 | 667.7 | 709.2 | 742.1 | 771.8 | 804.7 |
| 22.5°  | 491.4 | 523.3 | 557.1 | 589.6 | 628.8 | 656.7 | 677.2 | 713.8 | 753.5 | 787.8 | 824.7 |
| 25°    | 478.6 | 513.3 | 543.0 | 587.3 | 628.8 | 647.6 | 670.8 | 714.2 | 757.6 | 799.2 | 837.1 |
| 27.5°  | 464.9 | 497.3 | 537.5 | 572.7 | 619.7 | 640.3 | 665.4 | 712.9 | 759.0 | 800.5 | 841.2 |
| 30°    | 449.8 | 484.5 | 517.9 | 559.4 | 605.1 | 631.6 | 654.9 | 706.5 | 753.5 | 796.9 | 834.8 |
| 32.5°  | 432.9 | 465.8 | 501.4 | 540.7 | 588.6 | 615.6 | 644.8 | 697.8 | 748.0 | 785.5 | 814.7 |
| 35°    | 415.1 | 448.5 | 479.5 | 519.7 | 569.0 | 596.0 | 624.3 | 682.7 | 732.5 | 763.1 | 780.0 |
| 37.5°  | 395.5 | 427.0 | 457.6 | 497.3 | 546.6 | 575.4 | 604.2 | 660.8 | 707.8 | 733.4 | 728.8 |
| 40°    | 376.8 | 405.1 | 433.4 | 470.8 | 522.4 | 553.0 | 578.1 | 635.2 | 676.3 | 687.3 | 672.2 |
| 42.5°  | 355.3 | 379.5 | 406.9 | 445.3 | 495.5 | 524.3 | 555.8 | 607.8 | 638.4 | 633.9 | 608.3 |
| 45°    | 331.1 | 352.5 | 379.9 | 416.0 | 467.2 | 496.9 | 523.3 | 572.7 | 595.0 | 583.6 | 537.0 |
| 47.5°  | 307.8 | 328.8 | 351.2 | 387.3 | 437.0 | 462.2 | 489.1 | 533.4 | 546.2 | 522.0 | 475.4 |
| 50°    | 282.7 | 300.0 | 323.3 | 357.6 | 404.2 | 430.6 | 453.0 | 488.6 | 493.2 | 463.5 | 415.1 |
| 52.5°  | 258.5 | 273.1 | 295.5 | 329.3 | 372.6 | 393.6 | 415.6 | 447.1 | 443.4 | 412.8 | 366.2 |
| 55°    | 232.9 | 246.6 | 267.2 | 298.2 | 336.6 | 356.7 | 375.4 | 403.2 | 395.5 | 364.0 | 323.3 |
| 57.5°  | 211.4 | 221.0 | 241.1 | 269.9 | 301.4 | 323.3 | 339.3 | 361.2 | 349.4 | 317.8 | 279.9 |
| 60°    | 186.8 | 198.7 | 215.5 | 238.8 | 269.9 | 284.5 | 298.7 | 313.3 | 305.1 | 274.9 | 241.1 |
| 62.5°  | 164.4 | 173.5 | 188.1 | 210.5 | 234.7 | 248.0 | 263.0 | 272.2 | 264.0 | 236.1 | 207.8 |
| 65°    | 145.2 | 152.5 | 163.9 | 182.2 | 205.5 | 216.5 | 225.1 | 233.8 | 227.0 | 200.9 | 180.4 |
| 67.5°  | 124.2 | 130.6 | 140.2 | 154.8 | 174.4 | 182.2 | 190.4 | 196.4 | 188.6 | 171.3 | 151.2 |
| 70°    | 105.5 | 110.1 | 119.2 | 130.2 | 143.9 | 151.2 | 158.0 | 163.9 | 157.1 | 142.5 | 127.4 |
| 72.5°  | 86.3  | 90.0  | 98.2  | 105.9 | 118.3 | 123.3 | 128.3 | 132.9 | 130.6 | 116.9 | 104.6 |
| 75°    | 71.2  | 72.6  | 78.1  | 84.5  | 92.2  | 97.7  | 101.4 | 104.1 | 102.3 | 91.3  | 83.6  |
| 77.5°  | 53.9  | 55.7  | 59.8  | 64.8  | 71.7  | 74.9  | 77.2  | 79.9  | 77.6  | 69.0  | 63.5  |
| 80°    | 39.3  | 39.7  | 42.0  | 46.6  | 51.1  | 51.6  | 53.9  | 57.5  | 56.2  | 50.2  | 46.1  |
| 82.5°  | 25.1  | 26.5  | 27.4  | 30.1  | 33.3  | 34.3  | 35.6  | 36.5  | 36.1  | 32.4  | 31.1  |
| 85°    | 14.6  | 14.6  | 15.5  | 17.4  | 18.3  | 19.6  | 20.1  | 20.6  | 21.5  | 19.2  | 17.8  |
| 87.5°  | 6.4   | 6.9   | 6.9   | 7.3   | 8.2   | 8.2   | 8.7   | 9.1   | 9.6   | 9.1   | 7.8   |
| 90°    | 2.9   | 5.3   | 7.7   | 10.1  | 12.5  | 13.7  | 14.6  | 16.3  | 18.1  | 19.8  | 21.6  |
| 92.5°  | 14.7  | 14.3  | 13.8  | 13.4  | 12.9  | 12.7  | 13.6  | 15.3  | 17.1  | 18.8  | 20.6  |
| 95°    | 53.9  | 46.5  | 39.1  | 31.7  | 24.3  | 20.6  | 20.7  | 20.9  | 21.2  | 21.4  | 21.6  |
| 97.5°  | 102.9 | 107.7 | 112.5 | 117.2 | 122.0 | 124.4 | 113.0 | 90.1  | 67.3  | 44.4  | 21.6  |
| 100°   | 160.7 | 164.6 | 168.5 | 172.4 | 176.3 | 178.3 | 163.3 | 133.2 | 103.2 | 73.1  | 43.1  |
| 102.5° | 225.3 | 227.9 | 230.5 | 233.2 | 235.8 | 237.1 | 238.4 | 241.0 | 243.7 | 246.3 | 248.9 |
| 105°   | 294.9 | 296.2 | 297.5 | 298.8 | 300.1 | 300.8 | 301.3 | 302.4 | 303.5 | 304.6 | 305.7 |
| 107.5° | 358.6 | 359.2 | 359.9 | 360.5 | 361.2 | 361.5 | 362.3 | 363.8 | 365.3 | 366.9 | 368.4 |
| 110°   | 423.2 | 423.9 | 424.5 | 425.2 | 425.9 | 426.2 | 426.9 | 428.2 | 429.5 | 430.8 | 432.1 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 485.9  | 487.2  | 488.5  | 489.8  | 491.1  | 491.8  | 492.0  | 492.5  | 492.9  | 493.4  | 493.8  |
| 115°   | 550.6  | 551.2  | 551.9  | 552.5  | 553.2  | 553.5  | 553.4  | 553.2  | 553.0  | 552.8  | 552.6  |
| 117.5° | 608.4  | 609.3  | 610.1  | 611.0  | 611.9  | 612.3  | 612.6  | 613.3  | 614.0  | 614.6  | 615.3  |
| 120°   | 667.2  | 668.1  | 668.9  | 669.8  | 670.7  | 671.1  | 671.0  | 670.8  | 670.5  | 670.3  | 670.1  |
| 122.5° | 722.1  | 722.5  | 722.9  | 723.4  | 723.8  | 724.0  | 724.2  | 724.7  | 725.1  | 725.6  | 726.0  |
| 125°   | 774.0  | 774.9  | 775.7  | 776.6  | 777.5  | 777.9  | 777.7  | 777.2  | 776.8  | 776.3  | 775.9  |
| 127.5° | 824.0  | 824.2  | 824.4  | 824.6  | 824.8  | 824.9  | 825.4  | 826.5  | 827.6  | 828.7  | 829.8  |
| 130°   | 872.0  | 872.2  | 872.4  | 872.6  | 872.8  | 872.9  | 873.2  | 873.9  | 874.6  | 875.2  | 875.9  |
| 132.5° | 916.0  | 916.4  | 916.9  | 917.3  | 917.8  | 918.0  | 918.4  | 919.3  | 920.2  | 921.0  | 921.9  |
| 135°   | 960.1  | 959.9  | 959.7  | 959.5  | 959.3  | 959.2  | 959.6  | 960.5  | 961.4  | 962.2  | 963.1  |
| 137.5° | 999.3  | 999.3  | 999.3  | 999.3  | 999.3  | 999.3  | 999.8  | 1000.9 | 1002.0 | 1003.1 | 1004.2 |
| 140°   | 1037.5 | 1037.9 | 1038.4 | 1038.8 | 1039.3 | 1039.5 | 1039.7 | 1040.2 | 1040.6 | 1041.1 | 1041.5 |
| 142.5° | 1071.8 | 1072.7 | 1073.5 | 1074.4 | 1075.3 | 1075.7 | 1075.8 | 1076.0 | 1076.3 | 1076.5 | 1076.7 |
| 145°   | 1107.1 | 1107.7 | 1108.4 | 1109.0 | 1109.7 | 1110.0 | 1110.0 | 1110.0 | 1110.0 | 1110.0 | 1110.0 |
| 147.5° | 1134.5 | 1135.8 | 1137.1 | 1138.4 | 1139.7 | 1140.4 | 1140.3 | 1140.1 | 1139.8 | 1139.6 | 1139.4 |
| 150°   | 1164.9 | 1165.8 | 1166.6 | 1167.5 | 1168.4 | 1168.8 | 1168.7 | 1168.5 | 1168.2 | 1168.0 | 1167.8 |
| 152.5° | 1190.4 | 1191.0 | 1191.7 | 1192.3 | 1193.0 | 1193.3 | 1193.1 | 1192.7 | 1192.2 | 1191.8 | 1191.4 |
| 155°   | 1213.9 | 1214.1 | 1214.3 | 1214.6 | 1214.8 | 1214.9 | 1214.6 | 1213.9 | 1213.2 | 1212.6 | 1211.9 |
| 157.5° | 1234.5 | 1234.5 | 1234.5 | 1234.5 | 1234.5 | 1234.5 | 1234.1 | 1233.2 | 1232.3 | 1231.4 | 1230.5 |
| 160°   | 1252.1 | 1251.5 | 1250.8 | 1250.2 | 1249.5 | 1249.2 | 1249.1 | 1248.9 | 1248.6 | 1248.4 | 1248.2 |
| 162.5° | 1267.8 | 1266.9 | 1266.1 | 1265.2 | 1264.3 | 1263.9 | 1263.8 | 1263.6 | 1263.3 | 1263.1 | 1262.9 |
| 165°   | 1280.5 | 1279.4 | 1278.3 | 1277.2 | 1276.1 | 1275.6 | 1275.6 | 1275.6 | 1275.6 | 1275.6 | 1275.6 |
| 167.5° | 1291.3 | 1290.2 | 1289.1 | 1288.0 | 1286.9 | 1286.4 | 1286.3 | 1286.1 | 1285.8 | 1285.6 | 1285.4 |
| 170°   | 1300.1 | 1298.8 | 1297.5 | 1296.2 | 1294.9 | 1294.2 | 1294.3 | 1294.5 | 1294.8 | 1295.0 | 1295.2 |
| 172.5° | 1306.0 | 1304.7 | 1303.4 | 1302.1 | 1300.8 | 1300.1 | 1300.2 | 1300.4 | 1300.7 | 1300.9 | 1301.1 |
| 175°   | 1309.9 | 1308.6 | 1307.3 | 1306.0 | 1304.7 | 1304.0 | 1304.1 | 1304.3 | 1304.6 | 1304.8 | 1305.0 |
| 177.5° | 1312.8 | 1311.3 | 1309.8 | 1308.3 | 1306.8 | 1306.0 | 1306.2 | 1306.6 | 1307.1 | 1307.5 | 1307.9 |
| 180°   | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 |
| 2.5°   | 575.9 | 584.1 | 587.7 | 588.6 | 593.7 | 590.5 | 591.8 | 591.4 | 595.0 | 595.5 | 595.5 |
| 5°     | 617.9 | 627.5 | 630.7 | 635.2 | 642.1 | 643.9 | 642.5 | 645.3 | 650.3 | 646.6 | 652.1 |
| 7.5°   | 662.2 | 672.7 | 680.0 | 690.0 | 692.3 | 698.2 | 701.9 | 705.1 | 706.0 | 706.5 | 707.4 |
| 10°    | 703.3 | 716.5 | 726.6 | 743.5 | 747.1 | 750.3 | 766.3 | 759.9 | 768.1 | 765.4 | 766.3 |
| 12.5°  | 736.6 | 762.6 | 770.9 | 799.2 | 801.9 | 812.9 | 812.0 | 822.0 | 823.8 | 827.5 | 823.8 |
| 15°    | 780.4 | 810.6 | 823.8 | 839.8 | 849.0 | 861.7 | 864.0 | 877.7 | 883.2 | 888.2 | 883.2 |
| 17.5°  | 820.6 | 836.6 | 870.4 | 883.2 | 889.1 | 896.0 | 913.3 | 918.4 | 926.6 | 923.4 | 932.5 |
| 20°    | 840.7 | 863.6 | 899.2 | 921.1 | 930.2 | 936.6 | 951.2 | 959.0 | 962.2 | 962.2 | 963.1 |
| 22.5°  | 858.5 | 891.4 | 917.9 | 943.0 | 951.2 | 955.8 | 964.5 | 970.4 | 971.8 | 972.7 | 973.6 |
| 25°    | 874.5 | 904.2 | 925.7 | 939.8 | 943.0 | 943.0 | 948.0 | 944.4 | 938.5 | 943.0 | 945.8 |
| 27.5°  | 874.5 | 895.5 | 905.1 | 910.1 | 910.1 | 897.8 | 890.5 | 875.4 | 862.7 | 859.0 | 867.2 |
| 30°    | 859.9 | 869.5 | 856.3 | 843.9 | 834.3 | 826.1 | 797.3 | 774.5 | 769.9 | 766.7 | 779.1 |
| 32.5°  | 826.1 | 813.8 | 787.8 | 752.1 | 738.0 | 719.3 | 696.9 | 679.5 | 669.0 | 665.4 | 662.6 |
| 35°    | 766.3 | 734.3 | 700.5 | 652.6 | 642.5 | 618.8 | 588.2 | 575.4 | 558.1 | 557.6 | 563.5 |
| 37.5°  | 701.0 | 651.7 | 615.1 | 569.5 | 555.3 | 530.2 | 501.4 | 488.2 | 476.3 | 467.2 | 478.1 |
| 40°    | 624.7 | 581.8 | 526.1 | 488.6 | 468.5 | 455.3 | 431.1 | 416.5 | 411.0 | 406.4 | 413.3 |
| 42.5°  | 553.5 | 506.4 | 463.1 | 424.7 | 408.3 | 393.2 | 377.2 | 363.1 | 358.9 | 358.5 | 363.5 |
| 45°    | 482.7 | 436.6 | 396.4 | 363.5 | 353.0 | 343.9 | 328.3 | 324.2 | 317.4 | 312.8 | 315.1 |
| 47.5°  | 426.1 | 378.6 | 345.2 | 320.1 | 311.0 | 303.2 | 293.2 | 286.3 | 280.4 | 278.6 | 281.3 |
| 50°    | 370.4 | 338.4 | 304.1 | 283.1 | 276.3 | 269.0 | 261.2 | 254.8 | 252.1 | 250.3 | 252.1 |
| 52.5°  | 325.6 | 291.4 | 268.1 | 251.2 | 244.3 | 238.8 | 233.4 | 230.6 | 227.0 | 227.9 | 229.7 |
| 55°    | 285.4 | 255.3 | 235.6 | 223.3 | 219.2 | 216.9 | 210.1 | 206.9 | 205.5 | 204.6 | 205.5 |
| 57.5°  | 247.5 | 225.6 | 211.0 | 200.5 | 195.0 | 193.6 | 188.1 | 188.1 | 186.8 | 185.4 | 185.9 |
| 60°    | 217.4 | 198.7 | 184.5 | 176.3 | 175.4 | 173.1 | 169.4 | 169.0 | 165.8 | 167.1 | 167.6 |
| 62.5°  | 186.8 | 171.7 | 162.1 | 157.1 | 153.9 | 153.0 | 150.7 | 150.2 | 148.9 | 149.3 | 148.4 |
| 65°    | 162.6 | 150.2 | 140.7 | 136.5 | 135.2 | 134.7 | 132.9 | 131.5 | 130.6 | 131.5 | 130.6 |
| 67.5°  | 138.4 | 130.2 | 122.8 | 118.7 | 116.9 | 116.5 | 115.1 | 114.2 | 114.6 | 113.3 | 114.2 |
| 70°    | 115.5 | 107.3 | 102.8 | 100.5 | 99.6  | 98.2  | 98.2  | 98.2  | 98.2  | 97.3  | 96.8  |
| 72.5°  | 97.3  | 89.1  | 85.9  | 84.5  | 83.6  | 83.1  | 81.7  | 82.2  | 81.7  | 81.3  | 83.1  |
| 75°    | 77.2  | 72.2  | 69.0  | 67.6  | 68.5  | 67.1  | 65.8  | 66.7  | 65.3  | 65.8  | 67.6  |
| 77.5°  | 58.5  | 56.2  | 54.3  | 53.4  | 52.5  | 51.6  | 51.6  | 50.7  | 50.7  | 50.7  | 50.7  |
| 80°    | 42.5  | 42.0  | 38.8  | 38.4  | 38.4  | 37.4  | 37.4  | 37.4  | 37.4  | 37.0  | 37.4  |
| 82.5°  | 28.3  | 27.9  | 26.9  | 26.5  | 25.6  | 26.0  | 26.0  | 25.1  | 25.1  | 24.7  | 25.1  |
| 85°    | 16.4  | 16.4  | 15.5  | 15.1  | 14.6  | 15.1  | 14.2  | 13.7  | 14.2  | 13.7  | 14.2  |
| 87.5°  | 7.8   | 6.9   | 7.3   | 6.9   | 5.9   | 6.4   | 5.5   | 5.9   | 5.5   | 5.0   | 5.9   |
| 90°    | 22.9  | 24.2  | 25.5  | 26.8  | 27.4  | 27.6  | 28.1  | 28.5  | 29.0  | 29.4  | 29.0  |
| 92.5°  | 21.9  | 23.2  | 24.5  | 25.8  | 26.5  | 26.5  | 26.5  | 26.5  | 26.5  | 26.5  | 26.5  |
| 95°    | 22.9  | 24.2  | 25.5  | 26.8  | 27.4  | 27.5  | 27.7  | 28.0  | 28.2  | 28.4  | 28.2  |
| 97.5°  | 22.7  | 23.8  | 24.9  | 26.0  | 26.5  | 26.6  | 26.8  | 27.0  | 27.2  | 27.4  | 27.2  |
| 100°   | 39.4  | 35.7  | 32.0  | 28.3  | 26.5  | 26.6  | 26.8  | 27.0  | 27.2  | 27.4  | 27.2  |
| 102.5° | 199.9 | 150.9 | 101.9 | 52.9  | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  |
| 105°   | 307.7 | 309.6 | 311.6 | 313.5 | 314.5 | 310.6 | 302.7 | 294.9 | 287.0 | 279.2 | 287.0 |
| 107.5° | 369.5 | 370.6 | 371.7 | 372.8 | 373.3 | 373.7 | 374.6 | 375.5 | 376.3 | 377.2 | 376.3 |
| 110°   | 432.5 | 432.9 | 433.4 | 433.8 | 434.0 | 434.3 | 435.0 | 435.7 | 436.3 | 437.0 | 436.3 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 493.6  | 493.4  | 493.1  | 492.9  | 492.8  | 493.2  | 494.1  | 495.0  | 495.8  | 496.7  | 495.8  |
| 115°   | 553.0  | 553.4  | 553.9  | 554.3  | 554.5  | 554.5  | 554.5  | 554.5  | 554.5  | 554.5  | 554.5  |
| 117.5° | 615.1  | 614.9  | 614.6  | 614.4  | 614.3  | 614.3  | 614.3  | 614.3  | 614.3  | 614.3  | 614.3  |
| 120°   | 670.5  | 671.0  | 671.4  | 671.9  | 672.1  | 671.9  | 671.4  | 671.0  | 670.5  | 670.1  | 670.5  |
| 122.5° | 726.2  | 726.4  | 726.7  | 726.9  | 727.0  | 726.8  | 726.3  | 725.9  | 725.4  | 725.0  | 725.4  |
| 125°   | 776.6  | 777.2  | 777.9  | 778.6  | 778.9  | 779.0  | 779.2  | 779.5  | 779.7  | 779.9  | 779.7  |
| 127.5° | 829.6  | 829.4  | 829.2  | 829.0  | 828.9  | 828.8  | 828.6  | 828.3  | 828.1  | 827.9  | 828.1  |
| 130°   | 876.1  | 876.3  | 876.6  | 876.8  | 876.9  | 876.9  | 876.9  | 876.9  | 876.9  | 876.9  | 876.9  |
| 132.5° | 922.1  | 922.3  | 922.6  | 922.8  | 922.9  | 922.8  | 922.6  | 922.3  | 922.1  | 921.9  | 922.1  |
| 135°   | 963.5  | 963.9  | 964.4  | 964.8  | 965.0  | 965.2  | 965.7  | 966.1  | 966.6  | 967.0  | 966.6  |
| 137.5° | 1004.6 | 1005.1 | 1005.5 | 1006.0 | 1006.2 | 1006.1 | 1005.9 | 1005.6 | 1005.4 | 1005.2 | 1005.4 |
| 140°   | 1042.1 | 1042.8 | 1043.4 | 1044.1 | 1044.4 | 1044.5 | 1044.7 | 1045.0 | 1045.2 | 1045.4 | 1045.2 |
| 142.5° | 1077.1 | 1077.6 | 1078.0 | 1078.5 | 1078.7 | 1078.7 | 1078.7 | 1078.7 | 1078.7 | 1078.7 | 1078.7 |
| 145°   | 1110.2 | 1110.4 | 1110.7 | 1110.9 | 1111.0 | 1111.2 | 1111.7 | 1112.1 | 1112.6 | 1113.0 | 1112.6 |
| 147.5° | 1139.6 | 1139.8 | 1140.1 | 1140.3 | 1140.4 | 1140.5 | 1140.7 | 1141.0 | 1141.2 | 1141.4 | 1141.2 |
| 150°   | 1167.8 | 1167.8 | 1167.8 | 1167.8 | 1167.8 | 1167.9 | 1168.1 | 1168.4 | 1168.6 | 1168.8 | 1168.6 |
| 152.5° | 1191.8 | 1192.2 | 1192.7 | 1193.1 | 1193.3 | 1193.2 | 1193.0 | 1192.7 | 1192.5 | 1192.3 | 1192.5 |
| 155°   | 1212.8 | 1213.6 | 1214.5 | 1215.4 | 1215.8 | 1215.5 | 1214.8 | 1214.2 | 1213.5 | 1212.9 | 1213.5 |
| 157.5° | 1231.6 | 1232.7 | 1233.8 | 1234.9 | 1235.4 | 1234.9 | 1233.8 | 1232.7 | 1231.6 | 1230.5 | 1231.6 |
| 160°   | 1249.5 | 1250.8 | 1252.1 | 1253.4 | 1254.1 | 1253.4 | 1252.1 | 1250.8 | 1249.5 | 1248.2 | 1249.5 |
| 162.5° | 1264.2 | 1265.5 | 1266.8 | 1268.1 | 1268.8 | 1268.0 | 1266.5 | 1265.0 | 1263.4 | 1261.9 | 1263.4 |
| 165°   | 1277.3 | 1279.1 | 1280.8 | 1282.5 | 1283.4 | 1282.4 | 1280.5 | 1278.5 | 1276.6 | 1274.6 | 1276.6 |
| 167.5° | 1287.4 | 1289.3 | 1291.3 | 1293.2 | 1294.2 | 1293.1 | 1290.9 | 1288.8 | 1286.6 | 1284.4 | 1286.6 |
| 170°   | 1296.9 | 1298.7 | 1300.4 | 1302.1 | 1303.0 | 1301.9 | 1299.7 | 1297.6 | 1295.4 | 1293.2 | 1295.4 |
| 172.5° | 1302.8 | 1304.6 | 1306.3 | 1308.0 | 1308.9 | 1307.7 | 1305.3 | 1302.9 | 1300.5 | 1298.1 | 1300.5 |
| 175°   | 1307.0 | 1308.9 | 1310.9 | 1312.8 | 1313.8 | 1312.5 | 1309.9 | 1307.3 | 1304.7 | 1302.1 | 1304.7 |
| 177.5° | 1309.7 | 1311.4 | 1313.2 | 1314.9 | 1315.8 | 1314.5 | 1311.9 | 1309.2 | 1306.6 | 1304.0 | 1306.6 |
| 180°   | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 551.2 | 551.2 | 551.2 | 551.2  | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 |
| 2.5°   | 594.6 | 593.2 | 591.4 | 591.4  | 589.1 | 589.1 | 585.5 | 579.1 | 573.6 | 571.8 | 572.7 |
| 5°     | 645.3 | 645.7 | 643.0 | 640.7  | 636.6 | 633.4 | 627.5 | 616.0 | 612.4 | 605.1 | 600.1 |
| 7.5°   | 703.3 | 701.4 | 696.4 | 692.8  | 691.9 | 684.5 | 671.8 | 658.1 | 647.1 | 639.8 | 629.3 |
| 10°    | 768.6 | 761.3 | 754.0 | 751.7  | 746.2 | 733.9 | 719.3 | 704.2 | 689.1 | 673.1 | 655.3 |
| 12.5°  | 823.4 | 809.2 | 808.8 | 803.3  | 792.8 | 785.9 | 768.6 | 747.1 | 721.1 | 703.3 | 683.2 |
| 15°    | 882.3 | 869.0 | 858.1 | 848.0  | 843.0 | 822.9 | 808.3 | 781.4 | 750.3 | 731.1 | 717.4 |
| 17.5°  | 924.3 | 918.4 | 899.6 | 895.1  | 888.2 | 864.9 | 841.6 | 815.2 | 788.2 | 761.3 | 724.3 |
| 20°    | 958.1 | 954.4 | 942.1 | 935.7  | 924.8 | 906.5 | 878.2 | 847.6 | 816.5 | 778.2 | 743.5 |
| 22.5°  | 972.7 | 968.1 | 958.1 | 952.6  | 945.8 | 930.2 | 906.0 | 871.3 | 830.7 | 796.4 | 759.4 |
| 25°    | 943.9 | 952.2 | 949.4 | 947.1  | 944.4 | 935.3 | 917.0 | 886.4 | 846.7 | 807.8 | 761.7 |
| 27.5°  | 879.1 | 893.2 | 906.9 | 908.8  | 913.3 | 917.0 | 909.7 | 887.8 | 854.4 | 813.3 | 762.6 |
| 30°    | 791.9 | 798.3 | 826.1 | 834.3  | 840.7 | 864.0 | 877.7 | 872.2 | 846.7 | 809.7 | 763.1 |
| 32.5°  | 680.0 | 696.9 | 725.2 | 744.8  | 762.2 | 788.2 | 823.8 | 838.0 | 828.9 | 798.7 | 752.6 |
| 35°    | 574.0 | 594.1 | 627.0 | 652.1  | 669.5 | 706.5 | 748.5 | 779.1 | 790.5 | 775.4 | 734.3 |
| 37.5°  | 487.3 | 511.5 | 540.7 | 550.3  | 570.4 | 616.0 | 674.0 | 716.5 | 744.4 | 745.7 | 713.8 |
| 40°    | 422.0 | 434.3 | 457.6 | 472.2  | 491.8 | 530.2 | 586.8 | 643.0 | 685.0 | 699.2 | 682.3 |
| 42.5°  | 366.7 | 376.3 | 393.6 | 411.5  | 429.3 | 458.5 | 510.6 | 563.1 | 619.7 | 648.0 | 647.6 |
| 45°    | 322.9 | 332.9 | 344.8 | 359.4  | 371.7 | 403.2 | 444.3 | 498.2 | 547.1 | 590.9 | 601.9 |
| 47.5°  | 284.5 | 293.2 | 307.8 | 314.2  | 322.4 | 352.1 | 387.7 | 437.9 | 488.6 | 538.9 | 551.7 |
| 50°    | 256.2 | 263.5 | 273.5 | 277.7  | 286.8 | 308.7 | 337.9 | 378.6 | 434.8 | 480.9 | 504.6 |
| 52.5°  | 230.6 | 236.1 | 243.9 | 247.1  | 253.5 | 269.9 | 296.4 | 328.3 | 374.9 | 422.4 | 455.8 |
| 55°    | 208.7 | 212.4 | 217.8 | 221.5  | 226.1 | 240.7 | 260.3 | 289.1 | 329.3 | 370.4 | 402.8 |
| 57.5°  | 188.1 | 190.9 | 196.4 | 198.2  | 201.8 | 213.3 | 227.0 | 251.2 | 288.2 | 324.7 | 356.2 |
| 60°    | 169.0 | 170.8 | 174.0 | 178.1  | 180.8 | 188.6 | 201.4 | 221.5 | 251.2 | 284.5 | 310.1 |
| 62.5°  | 150.7 | 153.4 | 154.4 | 156.2  | 158.5 | 165.8 | 175.8 | 190.4 | 216.5 | 243.9 | 270.8 |
| 65°    | 132.0 | 134.3 | 136.1 | 136.5  | 138.8 | 144.3 | 153.4 | 166.2 | 183.1 | 206.9 | 232.0 |
| 67.5°  | 114.6 | 116.0 | 116.9 | 118.7  | 121.0 | 123.8 | 131.1 | 140.7 | 156.2 | 175.4 | 195.5 |
| 70°    | 98.6  | 98.6  | 100.0 | 100.5  | 103.2 | 106.4 | 109.6 | 118.7 | 132.4 | 148.0 | 161.7 |
| 72.5°  | 81.3  | 83.6  | 83.1  | 85.4   | 84.9  | 87.2  | 91.3  | 97.3  | 107.3 | 119.6 | 132.9 |
| 75°    | 66.2  | 67.6  | 67.6  | 67.6   | 68.5  | 70.3  | 72.6  | 78.1  | 85.9  | 95.9  | 103.7 |
| 77.5°  | 51.6  | 52.5  | 52.5  | 52.5   | 53.0  | 54.8  | 57.1  | 60.7  | 66.2  | 72.2  | 76.7  |
| 80°    | 37.0  | 37.9  | 37.9  | 38.8   | 38.8  | 39.3  | 41.6  | 43.4  | 46.1  | 50.7  | 55.3  |
| 82.5°  | 25.1  | 25.6  | 26.5  | 26.5   | 26.0  | 26.9  | 27.4  | 29.2  | 32.0  | 32.9  | 36.1  |
| 85°    | 13.7  | 14.2  | 14.6  | 14.6   | 15.1  | 16.0  | 15.5  | 17.4  | 17.4  | 19.2  | 20.1  |
| 87.5°  | 5.5   | 6.4   | 6.4   | 5.9    | 6.4   | 6.4   | 6.4   | 7.3   | 7.8   | 8.2   | 7.8   |
| 90°    | 28.5  | 28.1  | 27.6  | 27.4   | 26.8  | 25.5  | 24.2  | 22.9  | 21.6  | 19.8  | 18.1  |
| 92.5°  | 26.5  | 26.5  | 26.5  | 26.5   | 25.8  | 24.5  | 23.2  | 21.9  | 20.6  | 18.8  | 17.1  |
| 95°    | 28.0  | 27.7  | 27.5  | 27.4   | 26.8  | 25.5  | 24.2  | 22.9  | 21.6  | 21.4  | 21.2  |
| 97.5°  | 27.0  | 26.8  | 26.6  | 26.5   | 26.0  | 24.9  | 23.8  | 22.7  | 21.6  | 44.4  | 67.3  |
| 100°   | 27.0  | 26.8  | 26.6  | 26.5   | 28.3  | 32.0  | 35.7  | 39.4  | 43.1  | 73.1  | 103.2 |
| 102.5° | 28.4  | 28.4  | 28.4  | 28.4   | 52.9  | 101.9 | 150.9 | 199.9 | 248.9 | 246.3 | 243.7 |
| 105°   | 294.9 | 302.7 | 310.6 | 314.5  | 313.5 | 311.6 | 309.6 | 307.7 | 305.7 | 304.6 | 303.5 |
| 107.5° | 375.5 | 374.6 | 373.7 | 373.3  | 372.8 | 371.7 | 370.6 | 369.5 | 368.4 | 366.9 | 365.3 |
| 110°   | 435.7 | 435.0 | 434.3 | 434.0  | 433.8 | 433.4 | 432.9 | 432.5 | 432.1 | 430.8 | 429.5 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 495.0  | 494.1  | 493.2  | 492.8  | 492.9  | 493.1  | 493.4  | 493.6  | 493.8  | 493.4  | 492.9  |
| 115°   | 554.5  | 554.5  | 554.5  | 554.5  | 554.3  | 553.9  | 553.4  | 553.0  | 552.6  | 552.8  | 553.0  |
| 117.5° | 614.3  | 614.3  | 614.3  | 614.3  | 614.4  | 614.6  | 614.9  | 615.1  | 615.3  | 614.6  | 614.0  |
| 120°   | 671.0  | 671.4  | 671.9  | 672.1  | 671.9  | 671.4  | 671.0  | 670.5  | 670.1  | 670.3  | 670.5  |
| 122.5° | 725.9  | 726.3  | 726.8  | 727.0  | 726.9  | 726.7  | 726.4  | 726.2  | 726.0  | 725.6  | 725.1  |
| 125°   | 779.5  | 779.2  | 779.0  | 778.9  | 778.6  | 777.9  | 777.2  | 776.6  | 775.9  | 776.3  | 776.8  |
| 127.5° | 828.3  | 828.6  | 828.8  | 828.9  | 829.0  | 829.2  | 829.4  | 829.6  | 829.8  | 828.7  | 827.6  |
| 130°   | 876.9  | 876.9  | 876.9  | 876.9  | 876.8  | 876.6  | 876.3  | 876.1  | 875.9  | 875.2  | 874.6  |
| 132.5° | 922.3  | 922.6  | 922.8  | 922.9  | 922.8  | 922.6  | 922.3  | 922.1  | 921.9  | 921.0  | 920.2  |
| 135°   | 966.1  | 965.7  | 965.2  | 965.0  | 964.8  | 964.4  | 963.9  | 963.5  | 963.1  | 962.2  | 961.4  |
| 137.5° | 1005.6 | 1005.9 | 1006.1 | 1006.2 | 1006.0 | 1005.5 | 1005.1 | 1004.6 | 1004.2 | 1003.1 | 1002.0 |
| 140°   | 1045.0 | 1044.7 | 1044.5 | 1044.4 | 1044.1 | 1043.4 | 1042.8 | 1042.1 | 1041.5 | 1041.1 | 1040.6 |
| 142.5° | 1078.7 | 1078.7 | 1078.7 | 1078.7 | 1078.5 | 1078.0 | 1077.6 | 1077.1 | 1076.7 | 1076.5 | 1076.3 |
| 145°   | 1112.1 | 1111.7 | 1111.2 | 1111.0 | 1110.9 | 1110.7 | 1110.4 | 1110.2 | 1110.0 | 1110.0 | 1110.0 |
| 147.5° | 1141.0 | 1140.7 | 1140.5 | 1140.4 | 1140.3 | 1140.1 | 1139.8 | 1139.6 | 1139.4 | 1139.6 | 1139.8 |
| 150°   | 1168.4 | 1168.1 | 1167.9 | 1167.8 | 1167.8 | 1167.8 | 1167.8 | 1167.8 | 1167.8 | 1168.0 | 1168.2 |
| 152.5° | 1192.7 | 1193.0 | 1193.2 | 1193.3 | 1193.1 | 1192.7 | 1192.2 | 1191.8 | 1191.4 | 1191.8 | 1192.2 |
| 155°   | 1214.2 | 1214.8 | 1215.5 | 1215.8 | 1215.4 | 1214.5 | 1213.6 | 1212.8 | 1211.9 | 1212.6 | 1213.2 |
| 157.5° | 1232.7 | 1233.8 | 1234.9 | 1235.4 | 1234.9 | 1233.8 | 1232.7 | 1231.6 | 1230.5 | 1231.4 | 1232.3 |
| 160°   | 1250.8 | 1252.1 | 1253.4 | 1254.1 | 1253.4 | 1252.1 | 1250.8 | 1249.5 | 1248.2 | 1248.4 | 1248.6 |
| 162.5° | 1265.0 | 1266.5 | 1268.0 | 1268.8 | 1268.1 | 1266.8 | 1265.5 | 1264.2 | 1262.9 | 1263.1 | 1263.3 |
| 165°   | 1278.5 | 1280.5 | 1282.4 | 1283.4 | 1282.5 | 1280.8 | 1279.1 | 1277.3 | 1275.6 | 1275.6 | 1275.6 |
| 167.5° | 1288.8 | 1290.9 | 1293.1 | 1294.2 | 1293.2 | 1291.3 | 1289.3 | 1287.4 | 1285.4 | 1285.6 | 1285.8 |
| 170°   | 1297.6 | 1299.7 | 1301.9 | 1303.0 | 1302.1 | 1300.4 | 1298.7 | 1296.9 | 1295.2 | 1295.0 | 1294.8 |
| 172.5° | 1302.9 | 1305.3 | 1307.7 | 1308.9 | 1308.0 | 1306.3 | 1304.6 | 1302.8 | 1301.1 | 1300.9 | 1300.7 |
| 175°   | 1307.3 | 1309.9 | 1312.5 | 1313.8 | 1312.8 | 1310.9 | 1308.9 | 1307.0 | 1305.0 | 1304.8 | 1304.6 |
| 177.5° | 1309.2 | 1311.9 | 1314.5 | 1315.8 | 1314.9 | 1313.2 | 1311.4 | 1309.7 | 1307.9 | 1307.5 | 1307.1 |
| 180°   | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 551.2 | 551.2 | 551.2  | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 |
| 2.5°   | 568.6 | 566.7 | 565.4  | 565.4 | 561.2 | 557.1 | 554.9 | 553.9 | 553.0 | 549.4 | 544.4 |
| 5°     | 591.8 | 585.9 | 581.8  | 577.7 | 570.8 | 563.5 | 556.2 | 552.1 | 546.2 | 538.0 | 532.0 |
| 7.5°   | 617.9 | 603.7 | 599.2  | 594.1 | 580.4 | 568.1 | 558.1 | 549.4 | 539.8 | 529.3 | 518.8 |
| 10°    | 639.8 | 624.7 | 614.7  | 606.0 | 588.2 | 571.8 | 556.7 | 543.9 | 531.6 | 517.9 | 505.1 |
| 12.5°  | 660.8 | 639.3 | 628.8  | 616.0 | 597.3 | 573.6 | 553.9 | 538.0 | 519.7 | 505.5 | 490.0 |
| 15°    | 690.0 | 654.0 | 636.6  | 628.4 | 603.3 | 575.4 | 551.7 | 527.9 | 512.8 | 491.4 | 477.7 |
| 17.5°  | 694.6 | 665.4 | 654.0  | 632.9 | 602.8 | 571.3 | 543.9 | 520.1 | 497.3 | 478.1 | 460.3 |
| 20°    | 710.6 | 672.2 | 654.0  | 640.7 | 601.0 | 569.0 | 538.9 | 508.3 | 486.4 | 465.8 | 445.7 |
| 22.5°  | 720.6 | 677.2 | 658.1  | 637.1 | 599.2 | 560.8 | 525.2 | 498.7 | 471.7 | 450.7 | 434.8 |
| 25°    | 717.9 | 674.5 | 653.0  | 633.4 | 587.3 | 548.9 | 517.0 | 483.2 | 458.0 | 435.2 | 414.2 |
| 27.5°  | 716.5 | 667.7 | 644.8  | 622.9 | 579.5 | 539.3 | 499.1 | 471.7 | 443.9 | 417.4 | 401.9 |
| 30°    | 712.9 | 659.0 | 632.5  | 608.7 | 563.5 | 521.5 | 487.3 | 455.3 | 427.4 | 403.2 | 382.7 |
| 32.5°  | 700.5 | 644.4 | 618.8  | 593.2 | 546.2 | 504.2 | 469.5 | 439.8 | 411.9 | 386.8 | 367.2 |
| 35°    | 684.1 | 627.0 | 599.2  | 572.2 | 525.2 | 482.7 | 450.7 | 419.7 | 393.6 | 369.4 | 350.7 |
| 37.5°  | 667.7 | 606.9 | 580.9  | 549.8 | 506.4 | 462.2 | 429.3 | 401.4 | 377.2 | 352.1 | 331.5 |
| 40°    | 643.9 | 583.2 | 554.4  | 527.9 | 477.2 | 435.7 | 405.5 | 380.4 | 356.7 | 332.9 | 315.6 |
| 42.5°  | 611.5 | 557.1 | 527.5  | 498.2 | 450.7 | 409.6 | 380.4 | 358.0 | 335.7 | 316.0 | 296.8 |
| 45°    | 578.6 | 525.6 | 499.1  | 473.1 | 421.5 | 382.7 | 355.7 | 335.2 | 316.5 | 295.0 | 279.5 |
| 47.5°  | 538.9 | 494.1 | 467.6  | 442.1 | 393.2 | 354.4 | 329.7 | 310.5 | 293.2 | 275.4 | 260.8 |
| 50°    | 498.2 | 459.4 | 435.2  | 408.7 | 362.1 | 327.0 | 302.8 | 286.8 | 272.6 | 255.7 | 243.9 |
| 52.5°  | 454.4 | 420.6 | 400.0  | 374.5 | 333.4 | 300.9 | 276.3 | 260.3 | 248.4 | 236.1 | 225.6 |
| 55°    | 407.8 | 383.1 | 361.2  | 340.7 | 301.9 | 272.6 | 250.7 | 236.6 | 228.3 | 216.9 | 207.8 |
| 57.5°  | 365.8 | 342.0 | 328.8  | 305.5 | 271.7 | 242.9 | 225.6 | 213.7 | 204.1 | 197.3 | 190.0 |
| 60°    | 322.0 | 302.8 | 288.2  | 271.3 | 241.6 | 217.4 | 199.1 | 192.3 | 182.2 | 177.2 | 174.0 |
| 62.5°  | 279.9 | 266.2 | 252.5  | 239.8 | 213.3 | 190.4 | 176.7 | 168.1 | 162.1 | 157.1 | 154.4 |
| 65°    | 240.2 | 227.4 | 217.8  | 206.4 | 184.5 | 166.2 | 153.4 | 146.6 | 140.7 | 139.3 | 136.1 |
| 67.5°  | 201.4 | 195.9 | 185.4  | 176.3 | 157.6 | 143.4 | 133.8 | 125.1 | 121.9 | 120.6 | 117.8 |
| 70°    | 168.5 | 162.1 | 153.9  | 146.1 | 132.0 | 119.6 | 111.0 | 107.8 | 103.2 | 102.8 | 99.6  |
| 72.5°  | 138.8 | 131.1 | 125.1  | 119.2 | 108.7 | 97.7  | 93.2  | 88.6  | 86.3  | 84.5  | 83.1  |
| 75°    | 110.1 | 104.6 | 100.5  | 95.4  | 86.3  | 79.0  | 72.6  | 70.8  | 69.4  | 69.0  | 68.0  |
| 77.5°  | 82.2  | 78.5  | 76.7   | 71.7  | 65.3  | 58.9  | 56.2  | 53.4  | 53.4  | 52.5  | 53.0  |
| 80°    | 58.5  | 56.2  | 53.9   | 51.1  | 45.7  | 42.9  | 40.6  | 38.8  | 37.9  | 37.4  | 37.9  |
| 82.5°  | 37.0  | 35.6  | 35.2   | 33.3  | 29.7  | 28.3  | 26.5  | 25.1  | 25.1  | 25.1  | 25.1  |
| 85°    | 20.6  | 20.6  | 20.6   | 17.8  | 16.4  | 15.1  | 14.2  | 13.7  | 13.7  | 13.7  | 14.2  |
| 87.5°  | 8.7   | 8.7   | 7.3    | 7.3   | 6.9   | 5.9   | 5.5   | 5.5   | 5.9   | 5.9   | 6.4   |
| 90°    | 16.3  | 14.6  | 13.7   | 12.5  | 10.1  | 7.7   | 5.3   | 2.9   | 5.3   | 7.7   | 10.1  |
| 92.5°  | 15.3  | 13.6  | 12.7   | 12.9  | 13.4  | 13.8  | 14.3  | 14.7  | 14.3  | 13.8  | 13.4  |
| 95°    | 20.9  | 20.7  | 20.6   | 24.3  | 31.7  | 39.1  | 46.5  | 53.9  | 46.5  | 39.1  | 31.7  |
| 97.5°  | 90.1  | 113.0 | 124.4  | 122.0 | 117.2 | 112.5 | 107.7 | 102.9 | 107.7 | 112.5 | 117.2 |
| 100°   | 133.2 | 163.3 | 178.3  | 176.3 | 172.4 | 168.5 | 164.6 | 160.7 | 164.6 | 168.5 | 172.4 |
| 102.5° | 241.0 | 238.4 | 237.1  | 235.8 | 233.2 | 230.5 | 227.9 | 225.3 | 227.9 | 230.5 | 233.2 |
| 105°   | 302.4 | 301.3 | 300.8  | 300.1 | 298.8 | 297.5 | 296.2 | 294.9 | 296.2 | 297.5 | 298.8 |
| 107.5° | 363.8 | 362.3 | 361.5  | 361.2 | 360.5 | 359.9 | 359.2 | 358.6 | 359.2 | 359.9 | 360.5 |
| 110°   | 428.2 | 426.9 | 426.2  | 425.9 | 425.2 | 424.5 | 423.9 | 423.2 | 423.9 | 424.5 | 425.2 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 492.5  | 492.0  | 491.8  | 491.1  | 489.8  | 488.5  | 487.2  | 485.9  | 487.2  | 488.5  | 489.8  |
| 115°   | 553.2  | 553.4  | 553.5  | 553.2  | 552.5  | 551.9  | 551.2  | 550.6  | 551.2  | 551.9  | 552.5  |
| 117.5° | 613.3  | 612.6  | 612.3  | 611.9  | 611.0  | 610.1  | 609.3  | 608.4  | 609.3  | 610.1  | 611.0  |
| 120°   | 670.8  | 671.0  | 671.1  | 670.7  | 669.8  | 668.9  | 668.1  | 667.2  | 668.1  | 668.9  | 669.8  |
| 122.5° | 724.7  | 724.2  | 724.0  | 723.8  | 723.4  | 722.9  | 722.5  | 722.1  | 722.5  | 722.9  | 723.4  |
| 125°   | 777.2  | 777.7  | 777.9  | 777.5  | 776.6  | 775.7  | 774.9  | 774.0  | 774.9  | 775.7  | 776.6  |
| 127.5° | 826.5  | 825.4  | 824.9  | 824.8  | 824.6  | 824.4  | 824.2  | 824.0  | 824.2  | 824.4  | 824.6  |
| 130°   | 873.9  | 873.2  | 872.9  | 872.8  | 872.6  | 872.4  | 872.2  | 872.0  | 872.2  | 872.4  | 872.6  |
| 132.5° | 919.3  | 918.4  | 918.0  | 917.8  | 917.3  | 916.9  | 916.4  | 916.0  | 916.4  | 916.9  | 917.3  |
| 135°   | 960.5  | 959.6  | 959.2  | 959.3  | 959.5  | 959.7  | 959.9  | 960.1  | 959.9  | 959.7  | 959.5  |
| 137.5° | 1000.9 | 999.8  | 999.3  | 999.3  | 999.3  | 999.3  | 999.3  | 999.3  | 999.3  | 999.3  | 999.3  |
| 140°   | 1040.2 | 1039.7 | 1039.5 | 1039.3 | 1038.8 | 1038.4 | 1037.9 | 1037.5 | 1037.9 | 1038.4 | 1038.8 |
| 142.5° | 1076.0 | 1075.8 | 1075.7 | 1075.3 | 1074.4 | 1073.5 | 1072.7 | 1071.8 | 1072.7 | 1073.5 | 1074.4 |
| 145°   | 1110.0 | 1110.0 | 1110.0 | 1109.7 | 1109.0 | 1108.4 | 1107.7 | 1107.1 | 1107.7 | 1108.4 | 1109.0 |
| 147.5° | 1140.1 | 1140.3 | 1140.4 | 1139.7 | 1138.4 | 1137.1 | 1135.8 | 1134.5 | 1135.8 | 1137.1 | 1138.4 |
| 150°   | 1168.5 | 1168.7 | 1168.8 | 1168.4 | 1167.5 | 1166.6 | 1165.8 | 1164.9 | 1165.8 | 1166.6 | 1167.5 |
| 152.5° | 1192.7 | 1193.1 | 1193.3 | 1193.0 | 1192.3 | 1191.7 | 1191.0 | 1190.4 | 1191.0 | 1191.7 | 1192.3 |
| 155°   | 1213.9 | 1214.6 | 1214.9 | 1214.8 | 1214.6 | 1214.3 | 1214.1 | 1213.9 | 1214.1 | 1214.3 | 1214.6 |
| 157.5° | 1233.2 | 1234.1 | 1234.5 | 1234.5 | 1234.5 | 1234.5 | 1234.5 | 1234.5 | 1234.5 | 1234.5 | 1234.5 |
| 160°   | 1248.9 | 1249.1 | 1249.2 | 1249.5 | 1250.2 | 1250.8 | 1251.5 | 1252.1 | 1251.5 | 1250.8 | 1250.2 |
| 162.5° | 1263.6 | 1263.8 | 1263.9 | 1264.3 | 1265.2 | 1266.1 | 1266.9 | 1267.8 | 1266.9 | 1266.1 | 1265.2 |
| 165°   | 1275.6 | 1275.6 | 1275.6 | 1276.1 | 1277.2 | 1278.3 | 1279.4 | 1280.5 | 1279.4 | 1278.3 | 1277.2 |
| 167.5° | 1286.1 | 1286.3 | 1286.4 | 1286.9 | 1288.0 | 1289.1 | 1290.2 | 1291.3 | 1290.2 | 1289.1 | 1288.0 |
| 170°   | 1294.5 | 1294.3 | 1294.2 | 1294.9 | 1296.2 | 1297.5 | 1298.8 | 1300.1 | 1298.8 | 1297.5 | 1296.2 |
| 172.5° | 1300.4 | 1300.2 | 1300.1 | 1300.8 | 1302.1 | 1303.4 | 1304.7 | 1306.0 | 1304.7 | 1303.4 | 1302.1 |
| 175°   | 1304.3 | 1304.1 | 1304.0 | 1304.7 | 1306.0 | 1307.3 | 1308.6 | 1309.9 | 1308.6 | 1307.3 | 1306.0 |
| 177.5° | 1306.6 | 1306.2 | 1306.0 | 1306.8 | 1308.3 | 1309.8 | 1311.3 | 1312.8 | 1311.3 | 1309.8 | 1308.3 |
| 180°   | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 551.2 | 551.2  | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 |
| 2.5°   | 543.0 | 541.2  | 542.1 | 537.5 | 533.4 | 527.5 | 522.4 | 521.5 | 520.6 | 523.3 | 521.5 |
| 5°     | 527.5 | 525.2  | 522.9 | 517.4 | 509.2 | 504.2 | 496.9 | 496.4 | 493.7 | 489.6 | 490.5 |
| 7.5°   | 510.6 | 509.2  | 506.0 | 497.3 | 490.0 | 481.3 | 475.4 | 470.4 | 468.1 | 464.4 | 463.1 |
| 10°    | 496.9 | 491.8  | 489.1 | 479.5 | 470.8 | 461.7 | 453.9 | 450.3 | 446.2 | 443.0 | 440.7 |
| 12.5°  | 478.1 | 476.8  | 469.0 | 461.2 | 453.9 | 443.4 | 437.5 | 427.0 | 421.5 | 424.2 | 423.3 |
| 15°    | 465.8 | 459.4  | 457.6 | 446.6 | 434.3 | 427.4 | 416.5 | 409.6 | 407.4 | 403.2 | 398.2 |
| 17.5°  | 449.4 | 445.3  | 438.9 | 428.8 | 414.7 | 405.1 | 397.3 | 390.9 | 388.2 | 382.7 | 378.6 |
| 20°    | 433.8 | 427.0  | 422.0 | 412.8 | 399.1 | 386.8 | 377.2 | 373.1 | 366.2 | 361.7 | 359.4 |
| 22.5°  | 419.7 | 414.7  | 407.4 | 393.6 | 381.8 | 369.9 | 358.5 | 352.5 | 346.2 | 343.4 | 339.8 |
| 25°    | 402.3 | 394.1  | 389.1 | 374.0 | 361.2 | 351.6 | 341.1 | 333.4 | 329.7 | 325.1 | 324.2 |
| 27.5°  | 385.4 | 377.7  | 371.7 | 358.5 | 343.0 | 330.6 | 324.2 | 318.8 | 312.4 | 312.4 | 310.1 |
| 30°    | 368.5 | 363.1  | 353.9 | 341.1 | 326.5 | 314.6 | 307.3 | 302.3 | 300.0 | 298.2 | 297.7 |
| 32.5°  | 351.6 | 344.3  | 338.8 | 321.5 | 310.5 | 299.6 | 294.1 | 290.0 | 287.2 | 286.8 | 287.2 |
| 35°    | 334.3 | 326.1  | 320.6 | 305.1 | 294.1 | 284.0 | 281.8 | 278.1 | 276.7 | 276.3 | 278.6 |
| 37.5°  | 316.0 | 309.6  | 302.8 | 290.0 | 277.7 | 271.7 | 267.2 | 265.8 | 265.3 | 268.1 | 269.0 |
| 40°    | 299.1 | 293.6  | 287.2 | 273.5 | 264.4 | 258.0 | 255.7 | 254.4 | 256.2 | 258.9 | 260.3 |
| 42.5°  | 283.1 | 275.4  | 270.3 | 258.0 | 249.8 | 246.1 | 243.4 | 243.4 | 245.2 | 248.4 | 250.7 |
| 45°    | 266.2 | 260.3  | 255.3 | 244.3 | 237.0 | 232.9 | 232.4 | 232.9 | 235.2 | 237.5 | 240.2 |
| 47.5°  | 249.8 | 243.9  | 238.4 | 229.2 | 222.9 | 220.6 | 220.1 | 220.6 | 224.2 | 227.4 | 230.6 |
| 50°    | 234.7 | 228.3  | 223.3 | 214.6 | 209.6 | 206.9 | 207.3 | 209.6 | 212.4 | 216.9 | 221.0 |
| 52.5°  | 216.9 | 212.4  | 207.8 | 200.0 | 195.5 | 193.6 | 195.0 | 196.8 | 201.8 | 205.0 | 210.1 |
| 55°    | 199.6 | 195.5  | 191.8 | 185.9 | 182.2 | 180.8 | 181.8 | 184.5 | 188.6 | 194.1 | 200.0 |
| 57.5°  | 183.6 | 179.0  | 175.4 | 171.3 | 167.1 | 167.6 | 168.1 | 171.7 | 176.7 | 181.8 | 188.6 |
| 60°    | 165.8 | 163.0  | 159.8 | 154.8 | 153.0 | 153.0 | 154.4 | 158.5 | 163.0 | 171.3 | 177.2 |
| 62.5°  | 149.8 | 146.1  | 143.9 | 140.7 | 137.9 | 138.4 | 141.6 | 145.2 | 150.7 | 157.6 | 165.3 |
| 65°    | 133.3 | 129.2  | 127.4 | 124.7 | 123.8 | 124.2 | 126.5 | 132.0 | 137.9 | 143.9 | 151.2 |
| 67.5°  | 115.1 | 113.7  | 111.9 | 109.1 | 110.1 | 110.5 | 112.8 | 117.4 | 123.8 | 129.7 | 137.9 |
| 70°    | 99.6  | 96.8   | 96.4  | 94.1  | 94.1  | 95.4  | 100.0 | 103.2 | 109.1 | 115.5 | 124.2 |
| 72.5°  | 83.1  | 80.8   | 80.8  | 79.0  | 80.4  | 81.7  | 84.0  | 88.6  | 94.1  | 100.5 | 107.8 |
| 75°    | 66.2  | 65.3   | 66.2  | 65.3  | 65.3  | 67.6  | 70.3  | 74.0  | 79.9  | 86.8  | 92.7  |
| 77.5°  | 51.1  | 51.1   | 50.7  | 52.1  | 52.1  | 53.4  | 57.1  | 60.7  | 65.3  | 70.8  | 77.2  |
| 80°    | 37.4  | 37.4   | 37.4  | 38.8  | 40.2  | 40.2  | 42.5  | 47.0  | 51.1  | 54.8  | 60.7  |
| 82.5°  | 25.6  | 25.6   | 25.6  | 26.5  | 28.3  | 28.3  | 31.1  | 33.8  | 38.4  | 41.6  | 44.3  |
| 85°    | 15.5  | 15.5   | 15.1  | 16.0  | 16.4  | 17.8  | 20.1  | 21.9  | 24.2  | 26.9  | 29.7  |
| 87.5°  | 6.9   | 6.9    | 7.3   | 7.8   | 8.2   | 9.1   | 10.0  | 11.0  | 13.2  | 14.2  | 15.5  |
| 90°    | 12.5  | 13.7   | 14.6  | 16.3  | 18.1  | 19.8  | 21.6  | 22.9  | 24.2  | 25.5  | 26.8  |
| 92.5°  | 12.9  | 12.7   | 13.6  | 15.3  | 17.1  | 18.8  | 20.6  | 21.9  | 23.2  | 24.5  | 25.8  |
| 95°    | 24.3  | 20.6   | 20.7  | 20.9  | 21.2  | 21.4  | 21.6  | 22.9  | 24.2  | 25.5  | 26.8  |
| 97.5°  | 122.0 | 124.4  | 113.0 | 90.1  | 67.3  | 44.4  | 21.6  | 22.7  | 23.8  | 24.9  | 26.0  |
| 100°   | 176.3 | 178.3  | 163.3 | 133.2 | 103.2 | 73.1  | 43.1  | 39.4  | 35.7  | 32.0  | 28.3  |
| 102.5° | 235.8 | 237.1  | 238.4 | 241.0 | 243.7 | 246.3 | 248.9 | 199.9 | 150.9 | 101.9 | 52.9  |
| 105°   | 300.1 | 300.8  | 301.3 | 302.4 | 303.5 | 304.6 | 305.7 | 307.7 | 309.6 | 311.6 | 313.5 |
| 107.5° | 361.2 | 361.5  | 362.3 | 363.8 | 365.3 | 366.9 | 368.4 | 369.5 | 370.6 | 371.7 | 372.8 |
| 110°   | 425.9 | 426.2  | 426.9 | 428.2 | 429.5 | 430.8 | 432.1 | 432.5 | 432.9 | 433.4 | 433.8 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 491.1  | 491.8  | 492.0  | 492.5  | 492.9  | 493.4  | 493.8  | 493.6  | 493.4  | 493.1  | 492.9  |
| 115°   | 553.2  | 553.5  | 553.4  | 553.2  | 553.0  | 552.8  | 552.6  | 553.0  | 553.4  | 553.9  | 554.3  |
| 117.5° | 611.9  | 612.3  | 612.6  | 613.3  | 614.0  | 614.6  | 615.3  | 615.1  | 614.9  | 614.6  | 614.4  |
| 120°   | 670.7  | 671.1  | 671.0  | 670.8  | 670.5  | 670.3  | 670.1  | 670.5  | 671.0  | 671.4  | 671.9  |
| 122.5° | 723.8  | 724.0  | 724.2  | 724.7  | 725.1  | 725.6  | 726.0  | 726.2  | 726.4  | 726.7  | 726.9  |
| 125°   | 777.5  | 777.9  | 777.7  | 777.2  | 776.8  | 776.3  | 775.9  | 776.6  | 777.2  | 777.9  | 778.6  |
| 127.5° | 824.8  | 824.9  | 825.4  | 826.5  | 827.6  | 828.7  | 829.8  | 829.6  | 829.4  | 829.2  | 829.0  |
| 130°   | 872.8  | 872.9  | 873.2  | 873.9  | 874.6  | 875.2  | 875.9  | 876.1  | 876.3  | 876.6  | 876.8  |
| 132.5° | 917.8  | 918.0  | 918.4  | 919.3  | 920.2  | 921.0  | 921.9  | 922.1  | 922.3  | 922.6  | 922.8  |
| 135°   | 959.3  | 959.2  | 959.6  | 960.5  | 961.4  | 962.2  | 963.1  | 963.5  | 963.9  | 964.4  | 964.8  |
| 137.5° | 999.3  | 999.3  | 999.8  | 1000.9 | 1002.0 | 1003.1 | 1004.2 | 1004.6 | 1005.1 | 1005.5 | 1006.0 |
| 140°   | 1039.3 | 1039.5 | 1039.7 | 1040.2 | 1040.6 | 1041.1 | 1041.5 | 1042.1 | 1042.8 | 1043.4 | 1044.1 |
| 142.5° | 1075.3 | 1075.7 | 1075.8 | 1076.0 | 1076.3 | 1076.5 | 1076.7 | 1077.1 | 1077.6 | 1078.0 | 1078.5 |
| 145°   | 1109.7 | 1110.0 | 1110.0 | 1110.0 | 1110.0 | 1110.0 | 1110.0 | 1110.2 | 1110.4 | 1110.7 | 1110.9 |
| 147.5° | 1139.7 | 1140.4 | 1140.3 | 1140.1 | 1139.8 | 1139.6 | 1139.4 | 1139.6 | 1139.8 | 1140.1 | 1140.3 |
| 150°   | 1168.4 | 1168.8 | 1168.7 | 1168.5 | 1168.2 | 1168.0 | 1167.8 | 1167.8 | 1167.8 | 1167.8 | 1167.8 |
| 152.5° | 1193.0 | 1193.3 | 1193.1 | 1192.7 | 1192.2 | 1191.8 | 1191.4 | 1191.8 | 1192.2 | 1192.7 | 1193.1 |
| 155°   | 1214.8 | 1214.9 | 1214.6 | 1213.9 | 1213.2 | 1212.6 | 1211.9 | 1212.8 | 1213.6 | 1214.5 | 1215.4 |
| 157.5° | 1234.5 | 1234.5 | 1234.1 | 1233.2 | 1232.3 | 1231.4 | 1230.5 | 1231.6 | 1232.7 | 1233.8 | 1234.9 |
| 160°   | 1249.5 | 1249.2 | 1249.1 | 1248.9 | 1248.6 | 1248.4 | 1248.2 | 1249.5 | 1250.8 | 1252.1 | 1253.4 |
| 162.5° | 1264.3 | 1263.9 | 1263.8 | 1263.6 | 1263.3 | 1263.1 | 1262.9 | 1264.2 | 1265.5 | 1266.8 | 1268.1 |
| 165°   | 1276.1 | 1275.6 | 1275.6 | 1275.6 | 1275.6 | 1275.6 | 1275.6 | 1277.3 | 1279.1 | 1280.8 | 1282.5 |
| 167.5° | 1286.9 | 1286.4 | 1286.3 | 1286.1 | 1285.8 | 1285.6 | 1285.4 | 1287.4 | 1289.3 | 1291.3 | 1293.2 |
| 170°   | 1294.9 | 1294.2 | 1294.3 | 1294.5 | 1294.8 | 1295.0 | 1295.2 | 1296.9 | 1298.7 | 1300.4 | 1302.1 |
| 172.5° | 1300.8 | 1300.1 | 1300.2 | 1300.4 | 1300.7 | 1300.9 | 1301.1 | 1302.8 | 1304.6 | 1306.3 | 1308.0 |
| 175°   | 1304.7 | 1304.0 | 1304.1 | 1304.3 | 1304.6 | 1304.8 | 1305.0 | 1307.0 | 1308.9 | 1310.9 | 1312.8 |
| 177.5° | 1306.8 | 1306.0 | 1306.2 | 1306.6 | 1307.1 | 1307.5 | 1307.9 | 1309.7 | 1311.4 | 1313.2 | 1314.9 |
| 180°   | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 551.2  | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2  |
| 2.5°   | 520.1  | 519.7 | 517.4 | 518.3 | 515.6 | 516.5 | 517.9 | 518.3 | 520.1 | 518.8 | 518.3  |
| 5°     | 488.2  | 487.3 | 485.9 | 484.5 | 484.1 | 485.9 | 482.7 | 483.6 | 484.5 | 485.9 | 487.7  |
| 7.5°   | 462.2  | 461.7 | 460.3 | 458.0 | 457.1 | 456.2 | 456.7 | 459.9 | 459.4 | 459.0 | 462.2  |
| 10°    | 438.4  | 438.9 | 436.1 | 435.7 | 432.9 | 432.5 | 432.9 | 433.8 | 435.2 | 437.0 | 437.5  |
| 12.5°  | 413.7  | 419.7 | 414.7 | 412.8 | 408.7 | 411.0 | 411.9 | 407.8 | 410.1 | 411.5 | 418.3  |
| 15°    | 398.2  | 395.5 | 392.3 | 392.3 | 390.5 | 389.5 | 387.3 | 390.5 | 392.3 | 395.0 | 394.1  |
| 17.5°  | 376.8  | 372.2 | 370.4 | 368.5 | 369.0 | 370.8 | 365.8 | 373.1 | 373.1 | 374.5 | 372.2  |
| 20°    | 358.0  | 354.4 | 352.1 | 351.2 | 349.8 | 348.9 | 348.4 | 350.3 | 353.0 | 353.9 | 356.2  |
| 22.5°  | 338.4  | 338.4 | 334.7 | 333.4 | 332.5 | 331.1 | 333.4 | 332.0 | 333.8 | 335.7 | 339.3  |
| 25°    | 322.0  | 322.0 | 320.6 | 318.8 | 317.4 | 316.5 | 317.8 | 317.4 | 318.8 | 321.0 | 322.0  |
| 27.5°  | 308.7  | 307.3 | 306.9 | 306.4 | 306.0 | 306.4 | 306.0 | 307.3 | 308.7 | 309.2 | 308.3  |
| 30°    | 297.3  | 295.9 | 296.4 | 296.4 | 296.8 | 296.4 | 295.9 | 297.3 | 297.7 | 296.8 | 297.3  |
| 32.5°  | 286.8  | 286.8 | 287.7 | 288.2 | 288.2 | 288.6 | 289.1 | 288.2 | 288.6 | 287.2 | 287.7  |
| 35°    | 278.1  | 279.0 | 279.9 | 280.4 | 280.9 | 280.4 | 281.3 | 280.9 | 279.9 | 279.0 | 278.6  |
| 37.5°  | 269.4  | 270.3 | 272.2 | 272.6 | 274.0 | 274.5 | 273.5 | 273.5 | 273.1 | 271.3 | 270.3  |
| 40°    | 260.3  | 261.2 | 263.5 | 264.9 | 265.8 | 267.2 | 266.2 | 266.2 | 264.4 | 262.6 | 261.2  |
| 42.5°  | 251.6  | 253.5 | 255.7 | 257.1 | 258.9 | 258.9 | 258.9 | 258.0 | 255.7 | 253.9 | 252.5  |
| 45°    | 242.9  | 243.4 | 246.6 | 248.9 | 250.7 | 250.7 | 250.7 | 249.3 | 248.0 | 244.3 | 242.5  |
| 47.5°  | 233.4  | 234.7 | 238.4 | 240.7 | 242.5 | 242.9 | 242.9 | 241.6 | 238.8 | 235.6 | 233.4  |
| 50°    | 222.9  | 225.1 | 229.2 | 232.4 | 234.7 | 235.6 | 234.3 | 233.4 | 230.2 | 226.5 | 223.8  |
| 52.5°  | 212.8  | 215.5 | 220.6 | 223.3 | 226.5 | 227.0 | 226.5 | 225.1 | 221.5 | 216.5 | 214.2  |
| 55°    | 202.8  | 205.0 | 210.5 | 215.1 | 217.8 | 218.7 | 217.8 | 215.5 | 211.0 | 206.0 | 203.7  |
| 57.5°  | 191.8  | 195.0 | 200.9 | 205.5 | 208.7 | 209.2 | 208.2 | 206.0 | 202.3 | 195.9 | 192.7  |
| 60°    | 180.4  | 184.5 | 190.4 | 195.0 | 199.1 | 199.6 | 198.7 | 195.5 | 190.9 | 184.5 | 181.8  |
| 62.5°  | 169.0  | 172.2 | 179.0 | 184.0 | 187.2 | 189.5 | 187.7 | 184.5 | 179.9 | 173.5 | 169.4  |
| 65°    | 155.7  | 160.3 | 166.2 | 170.8 | 174.4 | 174.9 | 174.0 | 171.3 | 166.2 | 159.4 | 156.2  |
| 67.5°  | 142.9  | 146.1 | 152.1 | 158.0 | 159.4 | 160.7 | 159.4 | 156.6 | 152.5 | 146.6 | 142.0  |
| 70°    | 127.4  | 130.2 | 137.5 | 141.6 | 143.4 | 144.8 | 143.9 | 141.1 | 137.5 | 132.0 | 128.3  |
| 72.5°  | 111.9  | 114.2 | 121.0 | 124.2 | 127.9 | 127.4 | 127.0 | 125.1 | 120.1 | 116.5 | 114.2  |
| 75°    | 95.4   | 98.2  | 102.8 | 106.9 | 108.2 | 108.2 | 108.2 | 106.9 | 103.7 | 97.7  | 95.4   |
| 77.5°  | 80.4   | 81.7  | 85.4  | 87.7  | 89.1  | 89.5  | 89.1  | 86.8  | 84.9  | 80.8  | 79.5   |
| 80°    | 61.7   | 65.3  | 68.0  | 68.5  | 70.3  | 70.3  | 70.3  | 69.4  | 67.6  | 63.5  | 63.0   |
| 82.5°  | 46.6   | 47.5  | 50.2  | 51.6  | 52.5  | 52.1  | 52.1  | 50.2  | 49.8  | 47.5  | 46.6   |
| 85°    | 31.5   | 32.9  | 32.4  | 34.3  | 34.7  | 33.8  | 33.8  | 34.7  | 32.4  | 32.9  | 31.5   |
| 87.5°  | 17.4   | 17.4  | 18.3  | 17.8  | 19.6  | 19.6  | 18.7  | 19.2  | 18.3  | 17.8  | 17.4   |
| 90°    | 27.4   | 27.6  | 28.1  | 28.5  | 29.0  | 29.4  | 29.0  | 28.5  | 28.1  | 27.6  | 27.4   |
| 92.5°  | 26.5   | 26.5  | 26.5  | 26.5  | 26.5  | 26.5  | 26.5  | 26.5  | 26.5  | 26.5  | 26.5   |
| 95°    | 27.4   | 27.5  | 27.7  | 28.0  | 28.2  | 28.4  | 28.2  | 28.0  | 27.7  | 27.5  | 27.4   |
| 97.5°  | 26.5   | 26.6  | 26.8  | 27.0  | 27.2  | 27.4  | 27.2  | 27.0  | 26.8  | 26.6  | 26.5   |
| 100°   | 26.5   | 26.6  | 26.8  | 27.0  | 27.2  | 27.4  | 27.2  | 27.0  | 26.8  | 26.6  | 26.5   |
| 102.5° | 28.4   | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  | 28.4   |
| 105°   | 314.5  | 310.6 | 302.7 | 294.9 | 287.0 | 279.2 | 287.0 | 294.9 | 302.7 | 310.6 | 314.5  |
| 107.5° | 373.3  | 373.7 | 374.6 | 375.5 | 376.3 | 377.2 | 376.3 | 375.5 | 374.6 | 373.7 | 373.3  |
| 110°   | 434.0  | 434.3 | 435.0 | 435.7 | 436.3 | 437.0 | 436.3 | 435.7 | 435.0 | 434.3 | 434.0  |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 492.8  | 493.2  | 494.1  | 495.0  | 495.8  | 496.7  | 495.8  | 495.0  | 494.1  | 493.2  | 492.8  |
| 115°   | 554.5  | 554.5  | 554.5  | 554.5  | 554.5  | 554.5  | 554.5  | 554.5  | 554.5  | 554.5  | 554.5  |
| 117.5° | 614.3  | 614.3  | 614.3  | 614.3  | 614.3  | 614.3  | 614.3  | 614.3  | 614.3  | 614.3  | 614.3  |
| 120°   | 672.1  | 671.9  | 671.4  | 671.0  | 670.5  | 670.1  | 670.5  | 671.0  | 671.4  | 671.9  | 672.1  |
| 122.5° | 727.0  | 726.8  | 726.3  | 725.9  | 725.4  | 725.0  | 725.4  | 725.9  | 726.3  | 726.8  | 727.0  |
| 125°   | 778.9  | 779.0  | 779.2  | 779.5  | 779.7  | 779.9  | 779.7  | 779.5  | 779.2  | 779.0  | 778.9  |
| 127.5° | 828.9  | 828.8  | 828.6  | 828.3  | 828.1  | 827.9  | 828.1  | 828.3  | 828.6  | 828.8  | 828.9  |
| 130°   | 876.9  | 876.9  | 876.9  | 876.9  | 876.9  | 876.9  | 876.9  | 876.9  | 876.9  | 876.9  | 876.9  |
| 132.5° | 922.9  | 922.8  | 922.6  | 922.3  | 922.1  | 921.9  | 922.1  | 922.3  | 922.6  | 922.8  | 922.9  |
| 135°   | 965.0  | 965.2  | 965.7  | 966.1  | 966.6  | 967.0  | 966.6  | 966.1  | 965.7  | 965.2  | 965.0  |
| 137.5° | 1006.2 | 1006.1 | 1005.9 | 1005.6 | 1005.4 | 1005.2 | 1005.4 | 1005.6 | 1005.9 | 1006.1 | 1006.2 |
| 140°   | 1044.4 | 1044.5 | 1044.7 | 1045.0 | 1045.2 | 1045.4 | 1045.2 | 1045.0 | 1044.7 | 1044.5 | 1044.4 |
| 142.5° | 1078.7 | 1078.7 | 1078.7 | 1078.7 | 1078.7 | 1078.7 | 1078.7 | 1078.7 | 1078.7 | 1078.7 | 1078.7 |
| 145°   | 1111.0 | 1111.2 | 1111.7 | 1112.1 | 1112.6 | 1113.0 | 1112.6 | 1112.1 | 1111.7 | 1111.2 | 1111.0 |
| 147.5° | 1140.4 | 1140.5 | 1140.7 | 1141.0 | 1141.2 | 1141.4 | 1141.2 | 1141.0 | 1140.7 | 1140.5 | 1140.4 |
| 150°   | 1167.8 | 1167.9 | 1168.1 | 1168.4 | 1168.6 | 1168.8 | 1168.6 | 1168.4 | 1168.1 | 1167.9 | 1167.8 |
| 152.5° | 1193.3 | 1193.2 | 1193.0 | 1192.7 | 1192.5 | 1192.3 | 1192.5 | 1192.7 | 1193.0 | 1193.2 | 1193.3 |
| 155°   | 1215.8 | 1215.5 | 1214.8 | 1214.2 | 1213.5 | 1212.9 | 1213.5 | 1214.2 | 1214.8 | 1215.5 | 1215.8 |
| 157.5° | 1235.4 | 1234.9 | 1233.8 | 1232.7 | 1231.6 | 1230.5 | 1231.6 | 1232.7 | 1233.8 | 1234.9 | 1235.4 |
| 160°   | 1254.1 | 1253.4 | 1252.1 | 1250.8 | 1249.5 | 1248.2 | 1249.5 | 1250.8 | 1252.1 | 1253.4 | 1254.1 |
| 162.5° | 1268.8 | 1268.0 | 1266.5 | 1265.0 | 1263.4 | 1261.9 | 1263.4 | 1265.0 | 1266.5 | 1268.0 | 1268.8 |
| 165°   | 1283.4 | 1282.4 | 1280.5 | 1278.5 | 1276.6 | 1274.6 | 1276.6 | 1278.5 | 1280.5 | 1282.4 | 1283.4 |
| 167.5° | 1294.2 | 1293.1 | 1290.9 | 1288.8 | 1286.6 | 1284.4 | 1286.6 | 1288.8 | 1290.9 | 1293.1 | 1294.2 |
| 170°   | 1303.0 | 1301.9 | 1299.7 | 1297.6 | 1295.4 | 1293.2 | 1295.4 | 1297.6 | 1299.7 | 1301.9 | 1303.0 |
| 172.5° | 1308.9 | 1307.7 | 1305.3 | 1302.9 | 1300.5 | 1298.1 | 1300.5 | 1302.9 | 1305.3 | 1307.7 | 1308.9 |
| 175°   | 1313.8 | 1312.5 | 1309.9 | 1307.3 | 1304.7 | 1302.1 | 1304.7 | 1307.3 | 1309.9 | 1312.5 | 1313.8 |
| 177.5° | 1315.8 | 1314.5 | 1311.9 | 1309.2 | 1306.6 | 1304.0 | 1306.6 | 1309.2 | 1311.9 | 1314.5 | 1315.8 |
| 180°   | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2 | 551.2  | 551.2 |
| 2.5°   | 518.3 | 521.1 | 518.3 | 520.1 | 521.1 | 523.3 | 524.3 | 528.4 | 529.7 | 532.9  | 532.9 |
| 5°     | 487.3 | 488.6 | 489.1 | 490.9 | 492.7 | 497.3 | 500.5 | 506.4 | 513.3 | 514.2  | 518.3 |
| 7.5°   | 462.2 | 464.4 | 468.1 | 466.7 | 469.9 | 476.8 | 480.9 | 488.2 | 495.0 | 498.7  | 503.7 |
| 10°    | 439.8 | 442.5 | 443.9 | 445.3 | 451.2 | 457.1 | 463.5 | 468.5 | 477.7 | 483.2  | 487.3 |
| 12.5°  | 421.5 | 419.2 | 422.0 | 427.0 | 433.8 | 437.5 | 446.2 | 453.9 | 460.8 | 466.7  | 470.4 |
| 15°    | 397.8 | 399.6 | 402.3 | 411.0 | 412.8 | 422.0 | 425.2 | 433.8 | 446.6 | 452.1  | 456.7 |
| 17.5°  | 374.9 | 380.9 | 386.3 | 389.5 | 395.0 | 402.3 | 411.5 | 421.1 | 429.3 | 435.7  | 441.1 |
| 20°    | 356.7 | 362.6 | 365.8 | 368.1 | 373.6 | 383.6 | 392.3 | 404.2 | 414.7 | 419.7  | 427.0 |
| 22.5°  | 342.0 | 342.0 | 346.6 | 353.5 | 356.7 | 366.2 | 373.6 | 386.3 | 397.8 | 404.2  | 411.0 |
| 25°    | 323.8 | 326.5 | 330.2 | 336.1 | 340.7 | 348.4 | 358.9 | 369.9 | 382.2 | 387.7  | 396.4 |
| 27.5°  | 308.7 | 311.9 | 316.9 | 318.3 | 322.9 | 329.7 | 340.7 | 352.5 | 365.3 | 371.3  | 378.6 |
| 30°    | 297.3 | 299.1 | 300.9 | 303.7 | 307.8 | 313.7 | 322.9 | 333.4 | 348.9 | 353.5  | 362.6 |
| 32.5°  | 287.2 | 288.2 | 289.1 | 291.4 | 293.6 | 299.6 | 306.9 | 318.3 | 331.1 | 337.9  | 346.2 |
| 35°    | 278.1 | 277.2 | 277.7 | 279.0 | 281.3 | 283.6 | 291.4 | 300.9 | 312.8 | 321.0  | 327.4 |
| 37.5°  | 269.4 | 267.6 | 267.2 | 267.2 | 268.1 | 270.8 | 276.7 | 285.0 | 297.7 | 304.6  | 311.0 |
| 40°    | 259.8 | 258.0 | 257.1 | 256.6 | 256.2 | 258.0 | 262.6 | 270.8 | 280.9 | 287.2  | 294.6 |
| 42.5°  | 250.7 | 248.9 | 246.6 | 246.1 | 245.2 | 246.1 | 249.3 | 257.1 | 265.8 | 272.2  | 278.1 |
| 45°    | 241.6 | 238.4 | 235.6 | 233.8 | 234.3 | 232.9 | 235.2 | 241.1 | 251.2 | 255.3  | 261.2 |
| 47.5°  | 231.5 | 227.9 | 224.2 | 222.4 | 220.6 | 221.5 | 222.4 | 227.4 | 236.1 | 240.2  | 246.1 |
| 50°    | 221.9 | 216.9 | 212.8 | 210.5 | 209.2 | 208.2 | 209.2 | 214.2 | 220.6 | 224.2  | 229.2 |
| 52.5°  | 211.0 | 206.0 | 201.8 | 198.2 | 196.4 | 195.0 | 195.5 | 200.0 | 206.0 | 209.6  | 214.6 |
| 55°    | 200.9 | 194.5 | 189.1 | 184.5 | 183.1 | 182.7 | 182.2 | 185.4 | 190.4 | 194.1  | 198.2 |
| 57.5°  | 189.5 | 183.1 | 177.2 | 171.7 | 169.0 | 168.5 | 168.5 | 169.4 | 175.8 | 178.6  | 180.8 |
| 60°    | 178.1 | 171.3 | 164.9 | 159.8 | 155.7 | 154.4 | 153.9 | 155.7 | 158.9 | 161.7  | 164.9 |
| 62.5°  | 165.3 | 158.5 | 150.7 | 146.1 | 142.0 | 138.4 | 139.7 | 140.2 | 144.8 | 146.1  | 148.9 |
| 65°    | 153.0 | 145.2 | 138.8 | 131.5 | 127.0 | 124.7 | 123.8 | 124.7 | 128.3 | 128.8  | 130.6 |
| 67.5°  | 138.8 | 131.5 | 123.8 | 118.7 | 114.6 | 110.5 | 109.6 | 109.6 | 111.4 | 112.8  | 115.1 |
| 70°    | 125.1 | 117.8 | 109.1 | 103.7 | 99.6  | 95.9  | 94.5  | 94.1  | 95.4  | 96.4   | 98.6  |
| 72.5°  | 109.1 | 101.8 | 95.4  | 89.5  | 84.5  | 81.7  | 80.4  | 79.5  | 80.8  | 81.7   | 82.2  |
| 75°    | 92.2  | 86.3  | 79.9  | 74.0  | 70.8  | 68.0  | 66.2  | 64.8  | 65.8  | 65.8   | 65.8  |
| 77.5°  | 76.3  | 70.3  | 65.3  | 61.2  | 57.1  | 53.9  | 52.5  | 51.1  | 51.6  | 51.6   | 52.5  |
| 80°    | 59.4  | 55.3  | 51.1  | 47.5  | 43.8  | 41.1  | 40.2  | 38.8  | 37.9  | 37.4   | 37.4  |
| 82.5°  | 43.8  | 40.6  | 37.0  | 33.8  | 32.0  | 29.2  | 28.3  | 26.5  | 26.5  | 26.0   | 26.0  |
| 85°    | 29.2  | 27.4  | 23.7  | 21.5  | 20.1  | 18.7  | 17.8  | 16.9  | 15.5  | 15.5   | 15.1  |
| 87.5°  | 15.5  | 14.6  | 13.7  | 11.0  | 11.0  | 9.6   | 9.1   | 8.7   | 7.3   | 7.8    | 7.8   |
| 90°    | 26.8  | 25.5  | 24.2  | 22.9  | 21.6  | 19.8  | 18.1  | 16.3  | 14.6  | 13.7   | 12.5  |
| 92.5°  | 25.8  | 24.5  | 23.2  | 21.9  | 20.6  | 18.8  | 17.1  | 15.3  | 13.6  | 12.7   | 12.9  |
| 95°    | 26.8  | 25.5  | 24.2  | 22.9  | 21.6  | 21.4  | 21.2  | 20.9  | 20.7  | 20.6   | 24.3  |
| 97.5°  | 26.0  | 24.9  | 23.8  | 22.7  | 21.6  | 44.4  | 67.3  | 90.1  | 113.0 | 124.4  | 122.0 |
| 100°   | 28.3  | 32.0  | 35.7  | 39.4  | 43.1  | 73.1  | 103.2 | 133.2 | 163.3 | 178.3  | 176.3 |
| 102.5° | 52.9  | 101.9 | 150.9 | 199.9 | 248.9 | 246.3 | 243.7 | 241.0 | 238.4 | 237.1  | 235.8 |
| 105°   | 313.5 | 311.6 | 309.6 | 307.7 | 305.7 | 304.6 | 303.5 | 302.4 | 301.3 | 300.8  | 300.1 |
| 107.5° | 372.8 | 371.7 | 370.6 | 369.5 | 368.4 | 366.9 | 365.3 | 363.8 | 362.3 | 361.5  | 361.2 |
| 110°   | 433.8 | 433.4 | 432.9 | 432.5 | 432.1 | 430.8 | 429.5 | 428.2 | 426.9 | 426.2  | 425.9 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 492.9  | 493.1  | 493.4  | 493.6  | 493.8  | 493.4  | 492.9  | 492.5  | 492.0  | 491.8  | 491.1  |
| 115°   | 554.3  | 553.9  | 553.4  | 553.0  | 552.6  | 552.8  | 553.0  | 553.2  | 553.4  | 553.5  | 553.2  |
| 117.5° | 614.4  | 614.6  | 614.9  | 615.1  | 615.3  | 614.6  | 614.0  | 613.3  | 612.6  | 612.3  | 611.9  |
| 120°   | 671.9  | 671.4  | 671.0  | 670.5  | 670.1  | 670.3  | 670.5  | 670.8  | 671.0  | 671.1  | 670.7  |
| 122.5° | 726.9  | 726.7  | 726.4  | 726.2  | 726.0  | 725.6  | 725.1  | 724.7  | 724.2  | 724.0  | 723.8  |
| 125°   | 778.6  | 777.9  | 777.2  | 776.6  | 775.9  | 776.3  | 776.8  | 777.2  | 777.7  | 777.9  | 777.5  |
| 127.5° | 829.0  | 829.2  | 829.4  | 829.6  | 829.8  | 828.7  | 827.6  | 826.5  | 825.4  | 824.9  | 824.8  |
| 130°   | 876.8  | 876.6  | 876.3  | 876.1  | 875.9  | 875.2  | 874.6  | 873.9  | 873.2  | 872.9  | 872.8  |
| 132.5° | 922.8  | 922.6  | 922.3  | 922.1  | 921.9  | 921.0  | 920.2  | 919.3  | 918.4  | 918.0  | 917.8  |
| 135°   | 964.8  | 964.4  | 963.9  | 963.5  | 963.1  | 962.2  | 961.4  | 960.5  | 959.6  | 959.2  | 959.3  |
| 137.5° | 1006.0 | 1005.5 | 1005.1 | 1004.6 | 1004.2 | 1003.1 | 1002.0 | 1000.9 | 999.8  | 999.3  | 999.3  |
| 140°   | 1044.1 | 1043.4 | 1042.8 | 1042.1 | 1041.5 | 1041.1 | 1040.6 | 1040.2 | 1039.7 | 1039.5 | 1039.3 |
| 142.5° | 1078.5 | 1078.0 | 1077.6 | 1077.1 | 1076.7 | 1076.5 | 1076.3 | 1076.0 | 1075.8 | 1075.7 | 1075.3 |
| 145°   | 1110.9 | 1110.7 | 1110.4 | 1110.2 | 1110.0 | 1110.0 | 1110.0 | 1110.0 | 1110.0 | 1110.0 | 1109.7 |
| 147.5° | 1140.3 | 1140.1 | 1139.8 | 1139.6 | 1139.4 | 1139.6 | 1139.8 | 1140.1 | 1140.3 | 1140.4 | 1139.7 |
| 150°   | 1167.8 | 1167.8 | 1167.8 | 1167.8 | 1167.8 | 1168.0 | 1168.2 | 1168.5 | 1168.7 | 1168.8 | 1168.4 |
| 152.5° | 1193.1 | 1192.7 | 1192.2 | 1191.8 | 1191.4 | 1191.8 | 1192.2 | 1192.7 | 1193.1 | 1193.3 | 1193.0 |
| 155°   | 1215.4 | 1214.5 | 1213.6 | 1212.8 | 1211.9 | 1212.6 | 1213.2 | 1213.9 | 1214.6 | 1214.9 | 1214.8 |
| 157.5° | 1234.9 | 1233.8 | 1232.7 | 1231.6 | 1230.5 | 1231.4 | 1232.3 | 1233.2 | 1234.1 | 1234.5 | 1234.5 |
| 160°   | 1253.4 | 1252.1 | 1250.8 | 1249.5 | 1248.2 | 1248.4 | 1248.6 | 1248.9 | 1249.1 | 1249.2 | 1249.5 |
| 162.5° | 1268.1 | 1266.8 | 1265.5 | 1264.2 | 1262.9 | 1263.1 | 1263.3 | 1263.6 | 1263.8 | 1263.9 | 1264.3 |
| 165°   | 1282.5 | 1280.8 | 1279.1 | 1277.3 | 1275.6 | 1275.6 | 1275.6 | 1275.6 | 1275.6 | 1275.6 | 1276.1 |
| 167.5° | 1293.2 | 1291.3 | 1289.3 | 1287.4 | 1285.4 | 1285.6 | 1285.8 | 1286.1 | 1286.3 | 1286.4 | 1286.9 |
| 170°   | 1302.1 | 1300.4 | 1298.7 | 1296.9 | 1295.2 | 1295.0 | 1294.8 | 1294.5 | 1294.3 | 1294.2 | 1294.9 |
| 172.5° | 1308.0 | 1306.3 | 1304.6 | 1302.8 | 1301.1 | 1300.9 | 1300.7 | 1300.4 | 1300.2 | 1300.1 | 1300.8 |
| 175°   | 1312.8 | 1310.9 | 1308.9 | 1307.0 | 1305.0 | 1304.8 | 1304.6 | 1304.3 | 1304.1 | 1304.0 | 1304.7 |
| 177.5° | 1314.9 | 1313.2 | 1311.4 | 1309.7 | 1307.9 | 1307.5 | 1307.1 | 1306.6 | 1306.2 | 1306.0 | 1306.8 |
| 180°   | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 | 1309.9 |

TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 551.2 | 551.2 | 551.2 | 551.2 |
| 2.5°   | 536.1 | 540.7 | 544.8 | 551.2 |
| 5°     | 524.3 | 530.7 | 539.3 | 548.9 |
| 7.5°   | 510.6 | 520.6 | 532.0 | 545.3 |
| 10°    | 497.8 | 509.2 | 523.8 | 539.8 |
| 12.5°  | 484.5 | 498.2 | 514.2 | 531.6 |
| 15°    | 469.5 | 483.2 | 501.0 | 524.3 |
| 17.5°  | 455.8 | 472.2 | 491.4 | 516.0 |
| 20°    | 439.8 | 455.3 | 476.3 | 504.6 |
| 22.5°  | 425.6 | 443.4 | 466.7 | 491.4 |
| 25°    | 410.1 | 425.6 | 448.9 | 478.6 |
| 27.5°  | 394.6 | 413.7 | 436.1 | 464.9 |
| 30°    | 379.5 | 395.5 | 419.7 | 449.8 |
| 32.5°  | 363.1 | 382.2 | 404.6 | 432.9 |
| 35°    | 345.2 | 363.5 | 384.5 | 415.1 |
| 37.5°  | 329.3 | 347.1 | 368.5 | 395.5 |
| 40°    | 311.4 | 330.2 | 349.8 | 376.8 |
| 42.5°  | 294.1 | 311.0 | 330.6 | 355.3 |
| 45°    | 277.2 | 291.8 | 309.6 | 331.1 |
| 47.5°  | 259.8 | 272.2 | 288.6 | 307.8 |
| 50°    | 241.1 | 254.4 | 266.7 | 282.7 |
| 52.5°  | 223.8 | 235.2 | 245.2 | 258.5 |
| 55°    | 206.9 | 214.6 | 222.9 | 232.9 |
| 57.5°  | 189.1 | 195.0 | 200.9 | 211.4 |
| 60°    | 171.3 | 176.7 | 179.9 | 186.8 |
| 62.5°  | 153.9 | 156.2 | 160.3 | 164.4 |
| 65°    | 134.7 | 137.9 | 140.2 | 145.2 |
| 67.5°  | 117.4 | 118.7 | 121.0 | 124.2 |
| 70°    | 99.1  | 102.3 | 103.2 | 105.5 |
| 72.5°  | 83.6  | 84.9  | 85.9  | 86.3  |
| 75°    | 66.2  | 67.6  | 68.5  | 71.2  |
| 77.5°  | 52.1  | 51.6  | 53.4  | 53.9  |
| 80°    | 38.4  | 37.0  | 37.4  | 39.3  |
| 82.5°  | 25.1  | 25.6  | 25.1  | 25.1  |
| 85°    | 15.5  | 15.1  | 14.2  | 14.6  |
| 87.5°  | 6.9   | 6.9   | 6.4   | 6.4   |
| 90°    | 10.1  | 7.7   | 5.3   | 2.9   |
| 92.5°  | 13.4  | 13.8  | 14.3  | 14.7  |
| 95°    | 31.7  | 39.1  | 46.5  | 53.9  |
| 97.5°  | 117.2 | 112.5 | 107.7 | 102.9 |
| 100°   | 172.4 | 168.5 | 164.6 | 160.7 |
| 102.5° | 233.2 | 230.5 | 227.9 | 225.3 |
| 105°   | 298.8 | 297.5 | 296.2 | 294.9 |
| 107.5° | 360.5 | 359.9 | 359.2 | 358.6 |
| 110°   | 425.2 | 424.5 | 423.9 | 423.2 |



TEST NUMBER: P1012988

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 489.8  | 488.5  | 487.2  | 485.9  |
| 115°   | 552.5  | 551.9  | 551.2  | 550.6  |
| 117.5° | 611.0  | 610.1  | 609.3  | 608.4  |
| 120°   | 669.8  | 668.9  | 668.1  | 667.2  |
| 122.5° | 723.4  | 722.9  | 722.5  | 722.1  |
| 125°   | 776.6  | 775.7  | 774.9  | 774.0  |
| 127.5° | 824.6  | 824.4  | 824.2  | 824.0  |
| 130°   | 872.6  | 872.4  | 872.2  | 872.0  |
| 132.5° | 917.3  | 916.9  | 916.4  | 916.0  |
| 135°   | 959.5  | 959.7  | 959.9  | 960.1  |
| 137.5° | 999.3  | 999.3  | 999.3  | 999.3  |
| 140°   | 1038.8 | 1038.4 | 1037.9 | 1037.5 |
| 142.5° | 1074.4 | 1073.5 | 1072.7 | 1071.8 |
| 145°   | 1109.0 | 1108.4 | 1107.7 | 1107.1 |
| 147.5° | 1138.4 | 1137.1 | 1135.8 | 1134.5 |
| 150°   | 1167.5 | 1166.6 | 1165.8 | 1164.9 |
| 152.5° | 1192.3 | 1191.7 | 1191.0 | 1190.4 |
| 155°   | 1214.6 | 1214.3 | 1214.1 | 1213.9 |
| 157.5° | 1234.5 | 1234.5 | 1234.5 | 1234.5 |
| 160°   | 1250.2 | 1250.8 | 1251.5 | 1252.1 |
| 162.5° | 1265.2 | 1266.1 | 1266.9 | 1267.8 |
| 165°   | 1277.2 | 1278.3 | 1279.4 | 1280.5 |
| 167.5° | 1288.0 | 1289.1 | 1290.2 | 1291.3 |
| 170°   | 1296.2 | 1297.5 | 1298.8 | 1300.1 |
| 172.5° | 1302.1 | 1303.4 | 1304.7 | 1306.0 |
| 175°   | 1306.0 | 1307.3 | 1308.6 | 1309.9 |
| 177.5° | 1308.3 | 1309.8 | 1311.3 | 1312.8 |
| 180°   | 1309.9 | 1309.9 | 1309.9 | 1309.9 |

(END OF REPORT)