

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: P1001767

Luminaire Tested: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1001767  
REPORT IS A COMBINATION OF REPORTS P996389 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K  
Description: Define 4 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

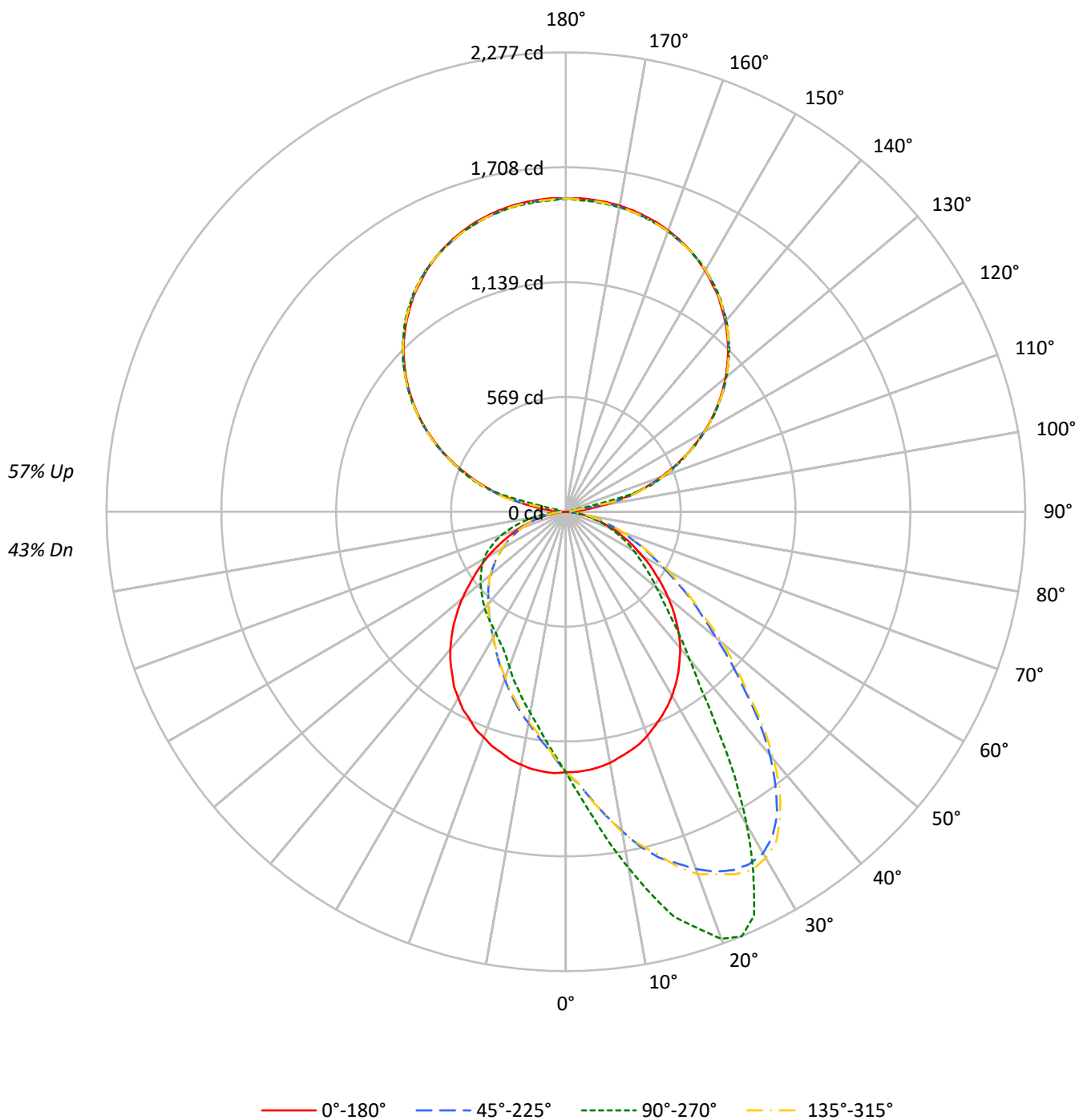
Lumens per Lamp: N/A  
Luminaire Lumens: 8368.0 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 70.9  
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: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1001767

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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   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 64 | 64 | 64 | 49 | 49 | 49 |
| 1   | 96  | 92  | 88  | 85  | 88 | 84 | 81 | 78 | 70 | 67 | 65 | 56 | 55 | 53 | 44 | 43 | 42 |
| 2   | 88  | 81  | 75  | 70  | 80 | 74 | 69 | 64 | 61 | 58 | 54 | 50 | 47 | 45 | 39 | 37 | 36 |
| 3   | 80  | 71  | 64  | 58  | 73 | 65 | 59 | 54 | 54 | 50 | 46 | 44 | 41 | 38 | 35 | 32 | 31 |
| 4   | 73  | 63  | 55  | 49  | 67 | 58 | 51 | 46 | 48 | 43 | 39 | 39 | 36 | 33 | 31 | 29 | 26 |
| 5   | 67  | 56  | 48  | 42  | 61 | 52 | 45 | 39 | 43 | 38 | 34 | 35 | 32 | 28 | 28 | 25 | 23 |
| 6   | 62  | 50  | 42  | 37  | 57 | 46 | 39 | 34 | 39 | 34 | 30 | 32 | 28 | 25 | 25 | 23 | 20 |
| 7   | 57  | 45  | 38  | 32  | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 23 | 20 | 18 |
| 8   | 53  | 41  | 34  | 28  | 49 | 38 | 31 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 21 | 19 | 16 |
| 9   | 50  | 38  | 30  | 25  | 45 | 35 | 28 | 24 | 29 | 24 | 21 | 24 | 21 | 18 | 20 | 17 | 15 |
| 10  | 46  | 34  | 27  | 23  | 42 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 18 | 15 | 13 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 10523 | 10523 | 10523 | 10523 |
| 5°  | 10496 | 12072 | 10558 | 9071  |
| 10° | 10419 | 14085 | 10498 | 7959  |
| 15° | 10293 | 16237 | 10365 | 7121  |
| 20° | 10160 | 17607 | 10233 | 6384  |
| 25° | 9965  | 17405 | 10061 | 5841  |
| 30° | 9775  | 14386 | 9895  | 5561  |
| 35° | 9509  | 10721 | 9613  | 5391  |
| 40° | 9197  | 8076  | 9286  | 5309  |
| 45° | 8721  | 6482  | 8830  | 5195  |
| 50° | 8153  | 5461  | 8271  | 5142  |
| 55° | 7485  | 4753  | 7602  | 5081  |
| 60° | 6836  | 4185  | 7036  | 4997  |
| 65° | 6227  | 3601  | 6285  | 4789  |
| 70° | 5511  | 2962  | 5629  | 4409  |
| 75° | 4807  | 2277  | 4775  | 3747  |
| 80° | 3780  | 1496  | 3739  | 2845  |
| 85° | 2489  | 673   | 2336  | 1658  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 13607 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 125.6  | 1.5       |
| 10°-20°   | 387.7  | 4.6       |
| 20°-30°   | 615.8  | 7.4       |
| 30°-40°   | 684.3  | 8.2       |
| 40°-50°   | 622.3  | 7.4       |
| 50°-60°   | 508.5  | 6.1       |
| 60°-70°   | 363.0  | 4.3       |
| 70°-80°   | 199.8  | 2.4       |
| 80°-90°   | 57.2   | 0.7       |
| 90°-100°  | 51.5   | 0.6       |
| 100°-110° | 339.4  | 4.1       |
| 110°-120° | 648.0  | 7.7       |
| 120°-130° | 822.7  | 9.8       |
| 130°-140° | 880.1  | 10.5      |
| 140°-150° | 823.0  | 9.8       |
| 150°-160° | 663.6  | 7.9       |
| 160°-170° | 428.0  | 5.1       |
| 170°-180° | 147.5  | 1.8       |
| 0°-30°    | 1129.1 | 13.5      |
| 0°-40°    | 1813.4 | 21.7      |
| 0°-60°    | 2944.3 | 35.2      |
| 0°-90°    | 3564.2 | 42.6      |
| 90°-120°  | 1039.0 | 12.4      |
| 90°-150°  | 3564.7 | 42.6      |
| 90°-180°  | 4804.0 | 57.4      |
| 0°-180°   | 8368.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1290 | 1290 | 1290 | 1290 | 1290 |      |
| 5°   | 1285 | 1514 | 1293 | 1138 | 1285 | 122  |
| 15°  | 1227 | 2080 | 1236 | 912  | 1227 | 346  |
| 25°  | 1120 | 2208 | 1131 | 741  | 1120 | 516  |
| 35°  | 972  | 1306 | 983  | 656  | 972  | 607  |
| 45°  | 775  | 732  | 785  | 587  | 775  | 598  |
| 55°  | 545  | 479  | 554  | 512  | 545  | 490  |
| 65°  | 340  | 308  | 343  | 410  | 340  | 336  |
| 75°  | 167  | 154  | 166  | 253  | 167  | 175  |
| 85°  | 34   | 32   | 32   | 79   | 34   | 40   |
| 90°  | 4    | 35   | 4    | 35   | 4    | 5    |
| 95°  | 64   | 34   | 64   | 34   | 64   | 79   |
| 105° | 350  | 331  | 350  | 331  | 350  | 366  |
| 115° | 653  | 657  | 653  | 657  | 653  | 642  |
| 125° | 917  | 924  | 917  | 924  | 917  | 819  |
| 135° | 1138 | 1146 | 1138 | 1146 | 1138 | 877  |
| 145° | 1312 | 1319 | 1312 | 1319 | 1312 | 820  |
| 155° | 1439 | 1438 | 1439 | 1438 | 1439 | 663  |
| 165° | 1518 | 1511 | 1518 | 1511 | 1518 | 429  |
| 175° | 1552 | 1543 | 1552 | 1543 | 1552 | 148  |
| 180° | 1552 | 1552 | 1552 | 1552 | 1552 |      |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 |
| 2.5°   | 1290.5 | 1303.3 | 1308.7 | 1312.9 | 1326.8 | 1331.1 | 1332.2 | 1338.6 | 1343.9 | 1345.0 | 1345.0 |
| 5°     | 1285.1 | 1305.5 | 1321.5 | 1336.5 | 1358.9 | 1368.5 | 1380.3 | 1393.1 | 1410.2 | 1420.9 | 1426.3 |
| 7.5°   | 1276.6 | 1306.5 | 1331.1 | 1356.8 | 1387.8 | 1407.0 | 1417.7 | 1451.9 | 1475.5 | 1494.7 | 1518.2 |
| 10°    | 1263.8 | 1302.2 | 1337.5 | 1374.9 | 1418.8 | 1442.3 | 1465.8 | 1507.5 | 1540.7 | 1578.1 | 1608.0 |
| 12.5°  | 1244.5 | 1294.8 | 1337.5 | 1389.9 | 1444.4 | 1472.2 | 1500.0 | 1572.7 | 1611.2 | 1644.4 | 1697.8 |
| 15°    | 1227.4 | 1277.7 | 1338.6 | 1392.1 | 1459.4 | 1501.1 | 1541.7 | 1588.8 | 1649.7 | 1721.4 | 1772.7 |
| 17.5°  | 1208.2 | 1271.2 | 1327.9 | 1402.7 | 1477.6 | 1517.1 | 1550.3 | 1623.0 | 1708.5 | 1779.1 | 1826.1 |
| 20°    | 1181.4 | 1245.6 | 1320.4 | 1399.5 | 1488.3 | 1519.3 | 1563.1 | 1660.4 | 1737.4 | 1806.9 | 1883.9 |
| 22.5°  | 1150.4 | 1225.3 | 1304.4 | 1380.3 | 1472.2 | 1537.5 | 1585.6 | 1671.1 | 1764.1 | 1844.3 | 1930.9 |
| 25°    | 1120.5 | 1201.7 | 1271.2 | 1374.9 | 1472.2 | 1516.1 | 1570.6 | 1672.2 | 1773.7 | 1871.0 | 1959.8 |
| 27.5°  | 1088.4 | 1164.3 | 1258.4 | 1340.7 | 1450.9 | 1499.0 | 1557.8 | 1669.0 | 1777.0 | 1874.3 | 1969.4 |
| 30°    | 1053.1 | 1134.4 | 1212.4 | 1309.7 | 1416.6 | 1478.7 | 1533.2 | 1654.0 | 1764.1 | 1865.7 | 1954.4 |
| 32.5°  | 1013.6 | 1090.6 | 1173.9 | 1265.9 | 1378.2 | 1441.2 | 1509.7 | 1633.7 | 1751.3 | 1839.0 | 1907.4 |
| 35°    | 971.9  | 1049.9 | 1122.6 | 1216.7 | 1332.2 | 1395.3 | 1461.6 | 1598.4 | 1714.9 | 1786.6 | 1826.1 |
| 37.5°  | 925.9  | 999.7  | 1071.3 | 1164.3 | 1279.8 | 1347.2 | 1414.5 | 1547.1 | 1657.2 | 1717.1 | 1706.4 |
| 40°    | 882.1  | 948.4  | 1014.6 | 1102.3 | 1223.1 | 1294.8 | 1353.6 | 1487.2 | 1583.4 | 1609.1 | 1573.8 |
| 42.5°  | 831.8  | 888.5  | 952.6  | 1042.4 | 1160.0 | 1227.4 | 1301.2 | 1423.1 | 1494.7 | 1484.0 | 1424.1 |
| 45°    | 775.1  | 825.4  | 889.5  | 974.0  | 1093.8 | 1163.3 | 1225.3 | 1340.7 | 1393.1 | 1366.4 | 1257.3 |
| 47.5°  | 720.6  | 769.8  | 822.2  | 906.7  | 1023.2 | 1082.0 | 1145.1 | 1248.8 | 1278.7 | 1222.1 | 1113.0 |
| 50°    | 661.8  | 702.4  | 757.0  | 837.2  | 946.2  | 1008.2 | 1060.6 | 1144.0 | 1154.7 | 1085.2 | 971.9  |
| 52.5°  | 605.1  | 639.4  | 691.8  | 770.9  | 872.4  | 921.6  | 972.9  | 1046.7 | 1038.2 | 966.5  | 857.5  |
| 55°    | 545.3  | 577.4  | 625.5  | 698.2  | 788.0  | 835.0  | 878.9  | 944.1  | 925.9  | 852.1  | 757.0  |
| 57.5°  | 495.0  | 517.5  | 564.5  | 631.9  | 705.7  | 757.0  | 794.4  | 845.7  | 817.9  | 744.1  | 655.4  |
| 60°    | 437.3  | 465.1  | 504.6  | 559.2  | 631.9  | 666.1  | 699.2  | 733.4  | 714.2  | 643.6  | 564.5  |
| 62.5°  | 384.9  | 406.3  | 440.5  | 492.9  | 549.6  | 580.6  | 615.8  | 637.2  | 618.0  | 552.8  | 486.5  |
| 65°    | 340.0  | 357.1  | 383.8  | 426.6  | 481.1  | 506.8  | 527.1  | 547.4  | 531.4  | 470.4  | 422.3  |
| 67.5°  | 290.8  | 305.8  | 328.2  | 362.4  | 408.4  | 426.6  | 445.8  | 459.7  | 441.6  | 400.9  | 353.9  |
| 70°    | 247.0  | 257.7  | 279.1  | 304.7  | 336.8  | 353.9  | 369.9  | 383.8  | 367.8  | 333.6  | 298.3  |
| 72.5°  | 202.1  | 210.6  | 229.9  | 248.0  | 276.9  | 288.7  | 300.4  | 311.1  | 305.8  | 273.7  | 244.8  |
| 75°    | 166.8  | 170.0  | 182.8  | 197.8  | 216.0  | 228.8  | 237.4  | 243.8  | 239.5  | 213.8  | 195.7  |
| 77.5°  | 126.2  | 130.4  | 140.1  | 151.8  | 167.9  | 175.3  | 180.7  | 187.1  | 181.8  | 161.4  | 148.6  |
| 80°    | 91.9   | 93.0   | 98.4   | 109.1  | 119.7  | 120.8  | 126.2  | 134.7  | 131.5  | 117.6  | 108.0  |
| 82.5°  | 58.8   | 62.0   | 64.2   | 70.6   | 78.0   | 80.2   | 83.4   | 85.5   | 84.5   | 75.9   | 72.7   |
| 85°    | 34.2   | 34.2   | 36.4   | 40.6   | 42.8   | 46.0   | 47.0   | 48.1   | 50.3   | 44.9   | 41.7   |
| 87.5°  | 15.0   | 16.0   | 16.0   | 17.1   | 19.2   | 19.2   | 20.3   | 21.4   | 22.5   | 21.4   | 18.2   |
| 90°    | 3.5    | 6.3    | 9.2    | 12.0   | 14.9   | 16.3   | 17.3   | 19.4   | 21.4   | 23.5   | 25.5   |
| 92.5°  | 17.4   | 16.9   | 16.4   | 15.9   | 15.4   | 15.1   | 16.1   | 18.2   | 20.3   | 22.3   | 24.4   |
| 95°    | 63.9   | 55.1   | 46.3   | 37.6   | 28.8   | 24.4   | 24.5   | 24.8   | 25.0   | 25.3   | 25.5   |
| 97.5°  | 121.9  | 127.6  | 133.3  | 139.0  | 144.7  | 147.5  | 133.9  | 106.8  | 79.7   | 52.6   | 25.5   |
| 100°   | 190.4  | 195.0  | 199.7  | 204.3  | 209.0  | 211.3  | 193.5  | 157.9  | 122.3  | 86.7   | 51.1   |
| 102.5° | 267.1  | 270.2  | 273.3  | 276.4  | 279.5  | 281.0  | 282.5  | 285.6  | 288.7  | 291.8  | 294.9  |
| 105°   | 349.5  | 351.1  | 352.6  | 354.2  | 355.7  | 356.5  | 357.1  | 358.4  | 359.7  | 361.0  | 362.3  |
| 107.5° | 425.0  | 425.8  | 426.6  | 427.3  | 428.1  | 428.5  | 429.4  | 431.2  | 433.0  | 434.8  | 436.6  |
| 110°   | 501.6  | 502.4  | 503.2  | 503.9  | 504.7  | 505.1  | 505.9  | 507.4  | 509.0  | 510.5  | 512.1  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 575.9  | 577.5  | 579.0  | 580.6  | 582.1  | 582.9  | 583.2  | 583.7  | 584.2  | 584.7  | 585.2  |
| 115°   | 652.6  | 653.4  | 654.1  | 654.9  | 655.6  | 656.0  | 655.9  | 655.6  | 655.4  | 655.1  | 654.9  |
| 117.5° | 721.1  | 722.1  | 723.1  | 724.2  | 725.2  | 725.7  | 726.1  | 726.9  | 727.6  | 728.4  | 729.2  |
| 120°   | 790.7  | 791.7  | 792.8  | 793.8  | 794.9  | 795.4  | 795.3  | 795.0  | 794.7  | 794.5  | 794.2  |
| 122.5° | 855.8  | 856.3  | 856.8  | 857.3  | 857.8  | 858.1  | 858.4  | 858.9  | 859.4  | 859.9  | 860.4  |
| 125°   | 917.3  | 918.3  | 919.3  | 920.4  | 921.4  | 921.9  | 921.6  | 921.1  | 920.6  | 920.1  | 919.6  |
| 127.5° | 976.5  | 976.8  | 977.0  | 977.3  | 977.6  | 977.7  | 978.3  | 979.6  | 980.9  | 982.2  | 983.5  |
| 130°   | 1033.4 | 1033.7 | 1033.9 | 1034.2 | 1034.5 | 1034.6 | 1035.0 | 1035.8 | 1036.5 | 1037.3 | 1038.1 |
| 132.5° | 1085.7 | 1086.2 | 1086.7 | 1087.2 | 1087.7 | 1088.0 | 1088.5 | 1089.5 | 1090.6 | 1091.6 | 1092.6 |
| 135°   | 1137.9 | 1137.7 | 1137.4 | 1137.2 | 1136.9 | 1136.8 | 1137.3 | 1138.3 | 1139.4 | 1140.4 | 1141.4 |
| 137.5° | 1184.4 | 1184.4 | 1184.4 | 1184.4 | 1184.4 | 1184.4 | 1185.0 | 1186.3 | 1187.6 | 1188.9 | 1190.2 |
| 140°   | 1229.6 | 1230.1 | 1230.7 | 1231.2 | 1231.7 | 1232.0 | 1232.3 | 1232.8 | 1233.3 | 1233.8 | 1234.3 |
| 142.5° | 1270.3 | 1271.3 | 1272.3 | 1273.4 | 1274.4 | 1274.9 | 1275.0 | 1275.3 | 1275.6 | 1275.8 | 1276.1 |
| 145°   | 1312.1 | 1312.9 | 1313.7 | 1314.4 | 1315.2 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 |
| 147.5° | 1344.6 | 1346.2 | 1347.7 | 1349.3 | 1350.8 | 1351.6 | 1351.5 | 1351.2 | 1350.9 | 1350.7 | 1350.4 |
| 150°   | 1380.6 | 1381.6 | 1382.6 | 1383.7 | 1384.7 | 1385.2 | 1385.1 | 1384.8 | 1384.6 | 1384.3 | 1384.1 |
| 152.5° | 1410.8 | 1411.6 | 1412.4 | 1413.1 | 1413.9 | 1414.3 | 1414.0 | 1413.5 | 1413.0 | 1412.4 | 1411.9 |
| 155°   | 1438.6 | 1438.9 | 1439.1 | 1439.4 | 1439.7 | 1439.8 | 1439.4 | 1438.6 | 1437.9 | 1437.1 | 1436.3 |
| 157.5° | 1463.0 | 1463.0 | 1463.0 | 1463.0 | 1463.0 | 1463.0 | 1462.5 | 1461.5 | 1460.4 | 1459.4 | 1458.4 |
| 160°   | 1483.9 | 1483.1 | 1482.3 | 1481.6 | 1480.8 | 1480.4 | 1480.3 | 1480.0 | 1479.8 | 1479.5 | 1479.3 |
| 162.5° | 1502.5 | 1501.5 | 1500.5 | 1499.4 | 1498.4 | 1497.9 | 1497.8 | 1497.5 | 1497.2 | 1497.0 | 1496.7 |
| 165°   | 1517.6 | 1516.3 | 1515.0 | 1513.7 | 1512.4 | 1511.8 | 1511.8 | 1511.8 | 1511.8 | 1511.8 | 1511.8 |
| 167.5° | 1530.4 | 1529.1 | 1527.8 | 1526.5 | 1525.2 | 1524.6 | 1524.5 | 1524.2 | 1523.9 | 1523.7 | 1523.4 |
| 170°   | 1540.8 | 1539.3 | 1537.7 | 1536.2 | 1534.7 | 1533.9 | 1534.0 | 1534.3 | 1534.5 | 1534.8 | 1535.0 |
| 172.5° | 1547.8 | 1546.2 | 1544.7 | 1543.1 | 1541.6 | 1540.8 | 1540.9 | 1541.2 | 1541.5 | 1541.7 | 1542.0 |
| 175°   | 1552.4 | 1550.9 | 1549.3 | 1547.8 | 1546.3 | 1545.5 | 1545.6 | 1545.9 | 1546.1 | 1546.4 | 1546.6 |
| 177.5° | 1555.9 | 1554.1 | 1552.3 | 1550.5 | 1548.7 | 1547.8 | 1548.1 | 1548.6 | 1549.1 | 1549.6 | 1550.1 |
| 180°   | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 |
| 2.5°   | 1348.2 | 1367.5 | 1376.0 | 1378.2 | 1389.9 | 1382.4 | 1385.6 | 1384.6 | 1393.1 | 1394.2 | 1394.2 |
| 5°     | 1446.6 | 1469.0 | 1476.5 | 1487.2 | 1503.2 | 1507.5 | 1504.3 | 1510.7 | 1522.5 | 1513.9 | 1526.8 |
| 7.5°   | 1550.3 | 1574.9 | 1592.0 | 1615.5 | 1620.9 | 1634.8 | 1643.3 | 1650.8 | 1652.9 | 1654.0 | 1656.1 |
| 10°    | 1646.5 | 1677.5 | 1701.0 | 1740.6 | 1749.2 | 1756.6 | 1794.1 | 1779.1 | 1798.3 | 1791.9 | 1794.1 |
| 12.5°  | 1724.6 | 1785.5 | 1804.8 | 1871.0 | 1877.5 | 1903.1 | 1901.0 | 1924.5 | 1928.8 | 1937.3 | 1928.8 |
| 15°    | 1827.2 | 1897.8 | 1928.8 | 1966.2 | 1987.6 | 2017.5 | 2022.9 | 2054.9 | 2067.8 | 2079.5 | 2067.8 |
| 17.5°  | 1921.3 | 1958.7 | 2037.8 | 2067.8 | 2081.7 | 2097.7 | 2138.3 | 2150.1 | 2169.3 | 2161.9 | 2183.2 |
| 20°    | 1968.3 | 2021.8 | 2105.2 | 2156.5 | 2177.9 | 2192.9 | 2227.1 | 2245.3 | 2252.7 | 2252.7 | 2254.9 |
| 22.5°  | 2010.0 | 2087.0 | 2149.0 | 2207.8 | 2227.1 | 2237.8 | 2258.1 | 2272.0 | 2275.2 | 2277.3 | 2279.5 |
| 25°    | 2047.5 | 2117.0 | 2167.2 | 2200.3 | 2207.8 | 2207.8 | 2219.6 | 2211.0 | 2197.1 | 2207.8 | 2214.2 |
| 27.5°  | 2047.5 | 2096.6 | 2119.1 | 2130.9 | 2130.9 | 2102.0 | 2084.9 | 2049.6 | 2019.7 | 2011.1 | 2030.3 |
| 30°    | 2013.2 | 2035.7 | 2004.7 | 1975.8 | 1953.4 | 1934.1 | 1866.8 | 1813.3 | 1802.6 | 1795.1 | 1824.0 |
| 32.5°  | 1934.1 | 1905.3 | 1844.3 | 1760.9 | 1727.8 | 1683.9 | 1631.5 | 1590.9 | 1566.3 | 1557.8 | 1551.4 |
| 35°    | 1794.1 | 1719.2 | 1640.1 | 1527.8 | 1504.3 | 1448.7 | 1377.1 | 1347.2 | 1306.5 | 1305.5 | 1319.4 |
| 37.5°  | 1641.2 | 1525.7 | 1440.2 | 1333.3 | 1300.1 | 1241.3 | 1173.9 | 1142.9 | 1115.1 | 1093.8 | 1119.4 |
| 40°    | 1462.6 | 1362.1 | 1231.7 | 1144.0 | 1097.0 | 1066.0 | 1009.3 | 975.1  | 962.3  | 951.6  | 967.6  |
| 42.5°  | 1295.8 | 1185.7 | 1084.1 | 994.3  | 955.8  | 920.6  | 883.1  | 850.0  | 840.4  | 839.3  | 851.1  |
| 45°    | 1130.1 | 1022.1 | 928.0  | 851.1  | 826.5  | 805.1  | 768.7  | 759.1  | 743.1  | 732.4  | 737.7  |
| 47.5°  | 997.5  | 886.3  | 808.3  | 749.5  | 728.1  | 709.9  | 686.4  | 670.4  | 656.5  | 652.2  | 658.6  |
| 50°    | 867.1  | 792.3  | 712.1  | 662.9  | 646.8  | 629.7  | 611.6  | 596.6  | 590.2  | 585.9  | 590.2  |
| 52.5°  | 762.3  | 682.1  | 627.6  | 588.0  | 572.0  | 559.2  | 546.3  | 539.9  | 531.4  | 533.5  | 537.8  |
| 55°    | 668.2  | 597.7  | 551.7  | 522.8  | 513.2  | 507.9  | 491.8  | 484.3  | 481.1  | 479.0  | 481.1  |
| 57.5°  | 579.5  | 528.2  | 494.0  | 469.4  | 456.5  | 453.3  | 440.5  | 440.5  | 437.3  | 434.1  | 435.2  |
| 60°    | 508.9  | 465.1  | 431.9  | 412.7  | 410.6  | 405.2  | 396.7  | 395.6  | 388.1  | 391.3  | 392.4  |
| 62.5°  | 437.3  | 402.0  | 379.6  | 367.8  | 360.3  | 358.2  | 352.8  | 351.8  | 348.5  | 349.6  | 347.5  |
| 65°    | 380.6  | 351.8  | 329.3  | 319.7  | 316.5  | 315.4  | 311.1  | 307.9  | 305.8  | 307.9  | 305.8  |
| 67.5°  | 324.0  | 304.7  | 287.6  | 278.0  | 273.7  | 272.6  | 269.4  | 267.3  | 268.4  | 265.2  | 267.3  |
| 70°    | 270.5  | 251.3  | 240.6  | 235.2  | 233.1  | 229.9  | 229.9  | 229.9  | 229.9  | 227.7  | 226.7  |
| 72.5°  | 227.7  | 208.5  | 201.0  | 197.8  | 195.7  | 194.6  | 191.4  | 192.5  | 191.4  | 190.3  | 194.6  |
| 75°    | 180.7  | 168.9  | 161.4  | 158.2  | 160.4  | 157.2  | 154.0  | 156.1  | 152.9  | 154.0  | 158.2  |
| 77.5°  | 136.9  | 131.5  | 127.2  | 125.1  | 123.0  | 120.8  | 120.8  | 118.7  | 118.7  | 118.7  | 118.7  |
| 80°    | 99.4   | 98.4   | 90.9   | 89.8   | 89.8   | 87.7   | 87.7   | 87.7   | 87.7   | 86.6   | 87.7   |
| 82.5°  | 66.3   | 65.2   | 63.1   | 62.0   | 59.9   | 60.9   | 60.9   | 58.8   | 58.8   | 57.7   | 58.8   |
| 85°    | 38.5   | 38.5   | 36.4   | 35.3   | 34.2   | 35.3   | 33.1   | 32.1   | 33.1   | 32.1   | 33.1   |
| 87.5°  | 18.2   | 16.0   | 17.1   | 16.0   | 13.9   | 15.0   | 12.8   | 13.9   | 12.8   | 11.8   | 13.9   |
| 90°    | 27.1   | 28.6   | 30.2   | 31.7   | 32.5   | 32.8   | 33.3   | 33.8   | 34.3   | 34.8   | 34.3   |
| 92.5°  | 26.0   | 27.5   | 29.1   | 30.6   | 31.4   | 31.4   | 31.4   | 31.4   | 31.4   | 31.4   | 31.4   |
| 95°    | 27.1   | 28.6   | 30.2   | 31.7   | 32.5   | 32.6   | 32.9   | 33.2   | 33.4   | 33.7   | 33.4   |
| 97.5°  | 26.8   | 28.1   | 29.4   | 30.7   | 31.4   | 31.5   | 31.8   | 32.0   | 32.3   | 32.5   | 32.3   |
| 100°   | 46.7   | 42.3   | 38.0   | 33.6   | 31.4   | 31.5   | 31.8   | 32.0   | 32.3   | 32.5   | 32.3   |
| 102.5° | 236.9  | 178.8  | 120.8  | 62.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   |
| 105°   | 364.6  | 366.9  | 369.2  | 371.5  | 372.7  | 368.1  | 358.8  | 349.5  | 340.2  | 330.9  | 340.2  |
| 107.5° | 437.9  | 439.2  | 440.5  | 441.8  | 442.4  | 442.9  | 443.9  | 445.0  | 446.0  | 447.0  | 446.0  |
| 110°   | 512.6  | 513.1  | 513.6  | 514.1  | 514.4  | 514.8  | 515.6  | 516.3  | 517.1  | 517.9  | 517.1  |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 585.0  | 584.7  | 584.5  | 584.2  | 584.1  | 584.6  | 585.6  | 586.7  | 587.7  | 588.7  | 587.7  |
| 115°   | 655.4  | 655.9  | 656.4  | 656.9  | 657.2  | 657.2  | 657.2  | 657.2  | 657.2  | 657.2  | 657.2  |
| 117.5° | 728.9  | 728.7  | 728.4  | 728.1  | 728.0  | 728.0  | 728.0  | 728.0  | 728.0  | 728.0  | 728.0  |
| 120°   | 794.7  | 795.2  | 795.7  | 796.2  | 796.5  | 796.2  | 795.7  | 795.2  | 794.7  | 794.2  | 794.7  |
| 122.5° | 860.7  | 860.9  | 861.2  | 861.5  | 861.6  | 861.3  | 860.8  | 860.3  | 859.7  | 859.2  | 859.7  |
| 125°   | 920.4  | 921.2  | 921.9  | 922.7  | 923.1  | 923.2  | 923.5  | 923.8  | 924.0  | 924.3  | 924.0  |
| 127.5° | 983.2  | 983.0  | 982.7  | 982.4  | 982.3  | 982.2  | 981.9  | 981.7  | 981.4  | 981.2  | 981.4  |
| 130°   | 1038.3 | 1038.6 | 1038.8 | 1039.1 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 |
| 132.5° | 1092.9 | 1093.1 | 1093.4 | 1093.7 | 1093.8 | 1093.7 | 1093.4 | 1093.1 | 1092.9 | 1092.6 | 1092.9 |
| 135°   | 1141.9 | 1142.4 | 1142.9 | 1143.4 | 1143.7 | 1144.0 | 1144.5 | 1145.0 | 1145.5 | 1146.0 | 1145.5 |
| 137.5° | 1190.7 | 1191.2 | 1191.7 | 1192.2 | 1192.5 | 1192.4 | 1192.1 | 1191.8 | 1191.6 | 1191.3 | 1191.6 |
| 140°   | 1235.1 | 1235.9 | 1236.6 | 1237.4 | 1237.8 | 1237.9 | 1238.2 | 1238.4 | 1238.7 | 1238.9 | 1238.7 |
| 142.5° | 1276.6 | 1277.1 | 1277.6 | 1278.1 | 1278.4 | 1278.4 | 1278.4 | 1278.4 | 1278.4 | 1278.4 | 1278.4 |
| 145°   | 1315.8 | 1316.1 | 1316.3 | 1316.6 | 1316.7 | 1317.0 | 1317.5 | 1318.0 | 1318.6 | 1319.1 | 1318.6 |
| 147.5° | 1350.7 | 1350.9 | 1351.2 | 1351.5 | 1351.6 | 1351.7 | 1352.0 | 1352.2 | 1352.5 | 1352.7 | 1352.5 |
| 150°   | 1384.1 | 1384.1 | 1384.1 | 1384.1 | 1384.1 | 1384.2 | 1384.5 | 1384.7 | 1385.0 | 1385.2 | 1385.0 |
| 152.5° | 1412.4 | 1413.0 | 1413.5 | 1414.0 | 1414.3 | 1414.2 | 1413.9 | 1413.6 | 1413.4 | 1413.1 | 1413.4 |
| 155°   | 1437.3 | 1438.4 | 1439.4 | 1440.5 | 1441.0 | 1440.6 | 1439.8 | 1439.1 | 1438.3 | 1437.5 | 1438.3 |
| 157.5° | 1459.7 | 1461.0 | 1462.3 | 1463.6 | 1464.2 | 1463.6 | 1462.3 | 1461.0 | 1459.7 | 1458.4 | 1459.7 |
| 160°   | 1480.9 | 1482.4 | 1484.0 | 1485.5 | 1486.3 | 1485.5 | 1484.0 | 1482.4 | 1480.9 | 1479.3 | 1480.9 |
| 162.5° | 1498.3 | 1499.8 | 1501.4 | 1502.9 | 1503.7 | 1502.8 | 1501.0 | 1499.1 | 1497.3 | 1495.5 | 1497.3 |
| 165°   | 1513.9 | 1515.9 | 1518.0 | 1520.1 | 1521.1 | 1519.9 | 1517.6 | 1515.3 | 1512.9 | 1510.6 | 1512.9 |
| 167.5° | 1525.7 | 1528.1 | 1530.4 | 1532.7 | 1533.9 | 1532.6 | 1530.0 | 1527.4 | 1524.8 | 1522.2 | 1524.8 |
| 170°   | 1537.1 | 1539.1 | 1541.2 | 1543.3 | 1544.3 | 1543.0 | 1540.4 | 1537.9 | 1535.3 | 1532.7 | 1535.3 |
| 172.5° | 1544.1 | 1546.1 | 1548.2 | 1550.3 | 1551.3 | 1549.9 | 1547.0 | 1544.2 | 1541.3 | 1538.5 | 1541.3 |
| 175°   | 1548.9 | 1551.3 | 1553.6 | 1555.9 | 1557.1 | 1555.5 | 1552.4 | 1549.3 | 1546.2 | 1543.1 | 1546.2 |
| 177.5° | 1552.2 | 1554.2 | 1556.3 | 1558.4 | 1559.4 | 1557.9 | 1554.8 | 1551.7 | 1548.6 | 1545.5 | 1548.6 |
| 180°   | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 |
| 2.5°   | 1392.1 | 1388.8 | 1384.6 | 1384.6 | 1379.2 | 1379.2 | 1370.7 | 1355.7 | 1342.9 | 1338.6 | 1340.7 |
| 5°     | 1510.7 | 1511.8 | 1505.4 | 1500.0 | 1490.4 | 1482.9 | 1469.0 | 1442.3 | 1433.8 | 1416.6 | 1404.9 |
| 7.5°   | 1646.5 | 1642.2 | 1630.5 | 1621.9 | 1619.8 | 1602.7 | 1572.7 | 1540.7 | 1515.0 | 1497.9 | 1473.3 |
| 10°    | 1799.4 | 1782.3 | 1765.2 | 1759.8 | 1747.0 | 1718.2 | 1683.9 | 1648.7 | 1613.4 | 1576.0 | 1534.3 |
| 12.5°  | 1927.7 | 1894.6 | 1893.5 | 1880.7 | 1856.1 | 1840.0 | 1799.4 | 1749.2 | 1688.2 | 1646.5 | 1599.5 |
| 15°    | 2065.6 | 2034.6 | 2009.0 | 1985.4 | 1973.7 | 1926.6 | 1892.4 | 1829.3 | 1756.6 | 1711.7 | 1679.7 |
| 17.5°  | 2164.0 | 2150.1 | 2106.3 | 2095.6 | 2079.5 | 2025.0 | 1970.5 | 1908.5 | 1845.4 | 1782.3 | 1695.7 |
| 20°    | 2243.1 | 2234.6 | 2205.7 | 2190.7 | 2165.1 | 2122.3 | 2056.0 | 1984.4 | 1911.7 | 1821.9 | 1740.6 |
| 22.5°  | 2277.3 | 2266.6 | 2243.1 | 2230.3 | 2214.2 | 2177.9 | 2121.2 | 2040.0 | 1944.8 | 1864.6 | 1778.0 |
| 25°    | 2210.0 | 2229.2 | 2222.8 | 2217.5 | 2211.0 | 2189.7 | 2146.9 | 2075.3 | 1982.2 | 1891.4 | 1783.4 |
| 27.5°  | 2058.1 | 2091.3 | 2123.4 | 2127.6 | 2138.3 | 2146.9 | 2129.8 | 2078.5 | 2000.4 | 1904.2 | 1785.5 |
| 30°    | 1853.9 | 1868.9 | 1934.1 | 1953.4 | 1968.3 | 2022.9 | 2054.9 | 2042.1 | 1982.2 | 1895.6 | 1786.6 |
| 32.5°  | 1592.0 | 1631.5 | 1697.8 | 1743.8 | 1784.4 | 1845.4 | 1928.8 | 1961.9 | 1940.5 | 1870.0 | 1762.0 |
| 35°    | 1343.9 | 1391.0 | 1468.0 | 1526.8 | 1567.4 | 1654.0 | 1752.4 | 1824.0 | 1850.7 | 1815.4 | 1719.2 |
| 37.5°  | 1140.8 | 1197.5 | 1265.9 | 1288.3 | 1335.4 | 1442.3 | 1578.1 | 1677.5 | 1742.7 | 1746.0 | 1671.1 |
| 40°    | 987.9  | 1016.8 | 1071.3 | 1105.5 | 1151.5 | 1241.3 | 1373.9 | 1505.4 | 1603.8 | 1636.9 | 1597.3 |
| 42.5°  | 858.5  | 881.0  | 921.6  | 963.3  | 1005.0 | 1073.4 | 1195.3 | 1318.3 | 1450.9 | 1517.1 | 1516.1 |
| 45°    | 755.9  | 779.4  | 807.2  | 841.4  | 870.3  | 944.1  | 1040.3 | 1166.5 | 1280.9 | 1383.5 | 1409.2 |
| 47.5°  | 666.1  | 686.4  | 720.6  | 735.6  | 754.8  | 824.3  | 907.7  | 1025.3 | 1144.0 | 1261.6 | 1291.6 |
| 50°    | 599.8  | 616.9  | 640.4  | 650.1  | 671.4  | 722.8  | 791.2  | 886.3  | 1017.8 | 1125.8 | 1181.4 |
| 52.5°  | 539.9  | 552.8  | 570.9  | 578.4  | 593.4  | 631.9  | 693.9  | 768.7  | 877.8  | 989.0  | 1067.0 |
| 55°    | 488.6  | 497.2  | 510.0  | 518.5  | 529.2  | 563.5  | 609.4  | 676.8  | 770.9  | 867.1  | 943.0  |
| 57.5°  | 440.5  | 446.9  | 459.7  | 464.0  | 472.6  | 499.3  | 531.4  | 588.0  | 674.6  | 760.2  | 834.0  |
| 60°    | 395.6  | 399.9  | 407.4  | 417.0  | 423.4  | 441.6  | 471.5  | 518.5  | 588.0  | 666.1  | 726.0  |
| 62.5°  | 352.8  | 359.2  | 361.4  | 365.7  | 371.0  | 388.1  | 411.6  | 445.8  | 506.8  | 570.9  | 634.0  |
| 65°    | 309.0  | 314.3  | 318.6  | 319.7  | 325.0  | 337.9  | 359.2  | 389.2  | 428.7  | 484.3  | 543.1  |
| 67.5°  | 268.4  | 271.6  | 273.7  | 278.0  | 283.3  | 289.7  | 306.9  | 329.3  | 365.7  | 410.6  | 457.6  |
| 70°    | 230.9  | 230.9  | 234.1  | 235.2  | 241.6  | 249.1  | 256.6  | 278.0  | 310.1  | 346.4  | 378.5  |
| 72.5°  | 190.3  | 195.7  | 194.6  | 199.9  | 198.9  | 204.2  | 213.8  | 227.7  | 251.3  | 280.1  | 311.1  |
| 75°    | 155.0  | 158.2  | 158.2  | 158.2  | 160.4  | 164.7  | 170.0  | 182.8  | 201.0  | 224.5  | 242.7  |
| 77.5°  | 120.8  | 123.0  | 123.0  | 123.0  | 124.0  | 128.3  | 133.6  | 142.2  | 155.0  | 168.9  | 179.6  |
| 80°    | 86.6   | 88.7   | 88.7   | 90.9   | 90.9   | 91.9   | 97.3   | 101.6  | 108.0  | 118.7  | 129.4  |
| 82.5°  | 58.8   | 59.9   | 62.0   | 62.0   | 60.9   | 63.1   | 64.2   | 68.4   | 74.8   | 77.0   | 84.5   |
| 85°    | 32.1   | 33.1   | 34.2   | 34.2   | 35.3   | 37.4   | 36.4   | 40.6   | 40.6   | 44.9   | 47.0   |
| 87.5°  | 12.8   | 15.0   | 15.0   | 13.9   | 15.0   | 15.0   | 15.0   | 17.1   | 18.2   | 19.2   | 18.2   |
| 90°    | 33.8   | 33.3   | 32.8   | 32.5   | 31.7   | 30.2   | 28.6   | 27.1   | 25.5   | 23.5   | 21.4   |
| 92.5°  | 31.4   | 31.4   | 31.4   | 31.4   | 30.6   | 29.1   | 27.5   | 26.0   | 24.4   | 22.3   | 20.3   |
| 95°    | 33.2   | 32.9   | 32.6   | 32.5   | 31.7   | 30.2   | 28.6   | 27.1   | 25.5   | 25.3   | 25.0   |
| 97.5°  | 32.0   | 31.8   | 31.5   | 31.4   | 30.7   | 29.4   | 28.1   | 26.8   | 25.5   | 52.6   | 79.7   |
| 100°   | 32.0   | 31.8   | 31.5   | 31.4   | 33.6   | 38.0   | 42.3   | 46.7   | 51.1   | 86.7   | 122.3  |
| 102.5° | 33.7   | 33.7   | 33.7   | 33.7   | 62.7   | 120.8  | 178.8  | 236.9  | 294.9  | 291.8  | 288.7  |
| 105°   | 349.5  | 358.8  | 368.1  | 372.7  | 371.5  | 369.2  | 366.9  | 364.6  | 362.3  | 361.0  | 359.7  |
| 107.5° | 445.0  | 443.9  | 442.9  | 442.4  | 441.8  | 440.5  | 439.2  | 437.9  | 436.6  | 434.8  | 433.0  |
| 110°   | 516.3  | 515.6  | 514.8  | 514.4  | 514.1  | 513.6  | 513.1  | 512.6  | 512.1  | 510.5  | 509.0  |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 586.7  | 585.6  | 584.6  | 584.1  | 584.2  | 584.5  | 584.7  | 585.0  | 585.2  | 584.7  | 584.2  |
| 115°   | 657.2  | 657.2  | 657.2  | 657.2  | 656.9  | 656.4  | 655.9  | 655.4  | 654.9  | 655.1  | 655.4  |
| 117.5° | 728.0  | 728.0  | 728.0  | 728.0  | 728.1  | 728.4  | 728.7  | 728.9  | 729.2  | 728.4  | 727.6  |
| 120°   | 795.2  | 795.7  | 796.2  | 796.5  | 796.2  | 795.7  | 795.2  | 794.7  | 794.2  | 794.5  | 794.7  |
| 122.5° | 860.3  | 860.8  | 861.3  | 861.6  | 861.5  | 861.2  | 860.9  | 860.7  | 860.4  | 859.9  | 859.4  |
| 125°   | 923.8  | 923.5  | 923.2  | 923.1  | 922.7  | 921.9  | 921.2  | 920.4  | 919.6  | 920.1  | 920.6  |
| 127.5° | 981.7  | 981.9  | 982.2  | 982.3  | 982.4  | 982.7  | 983.0  | 983.2  | 983.5  | 982.2  | 980.9  |
| 130°   | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.1 | 1038.8 | 1038.6 | 1038.3 | 1038.1 | 1037.3 | 1036.5 |
| 132.5° | 1093.1 | 1093.4 | 1093.7 | 1093.8 | 1093.7 | 1093.4 | 1093.1 | 1092.9 | 1092.6 | 1091.6 | 1090.6 |
| 135°   | 1145.0 | 1144.5 | 1144.0 | 1143.7 | 1143.4 | 1142.9 | 1142.4 | 1141.9 | 1141.4 | 1140.4 | 1139.4 |
| 137.5° | 1191.8 | 1192.1 | 1192.4 | 1192.5 | 1192.2 | 1191.7 | 1191.2 | 1190.7 | 1190.2 | 1188.9 | 1187.6 |
| 140°   | 1238.4 | 1238.2 | 1237.9 | 1237.8 | 1237.4 | 1236.6 | 1235.9 | 1235.1 | 1234.3 | 1233.8 | 1233.3 |
| 142.5° | 1278.4 | 1278.4 | 1278.4 | 1278.4 | 1278.1 | 1277.6 | 1277.1 | 1276.6 | 1276.1 | 1275.8 | 1275.6 |
| 145°   | 1318.0 | 1317.5 | 1317.0 | 1316.7 | 1316.6 | 1316.3 | 1316.1 | 1315.8 | 1315.6 | 1315.6 | 1315.6 |
| 147.5° | 1352.2 | 1352.0 | 1351.7 | 1351.6 | 1351.5 | 1351.2 | 1350.9 | 1350.7 | 1350.4 | 1350.7 | 1350.9 |
| 150°   | 1384.7 | 1384.5 | 1384.2 | 1384.1 | 1384.1 | 1384.1 | 1384.1 | 1384.1 | 1384.1 | 1384.3 | 1384.6 |
| 152.5° | 1413.6 | 1413.9 | 1414.2 | 1414.3 | 1414.0 | 1413.5 | 1413.0 | 1412.4 | 1411.9 | 1412.4 | 1413.0 |
| 155°   | 1439.1 | 1439.8 | 1440.6 | 1441.0 | 1440.5 | 1439.4 | 1438.4 | 1437.3 | 1436.3 | 1437.1 | 1437.9 |
| 157.5° | 1461.0 | 1462.3 | 1463.6 | 1464.2 | 1463.6 | 1462.3 | 1461.0 | 1459.7 | 1458.4 | 1459.4 | 1460.4 |
| 160°   | 1482.4 | 1484.0 | 1485.5 | 1486.3 | 1485.5 | 1484.0 | 1482.4 | 1480.9 | 1479.3 | 1479.5 | 1479.8 |
| 162.5° | 1499.1 | 1501.0 | 1502.8 | 1503.7 | 1502.9 | 1501.4 | 1499.8 | 1498.3 | 1496.7 | 1497.0 | 1497.2 |
| 165°   | 1515.3 | 1517.6 | 1519.9 | 1521.1 | 1520.1 | 1518.0 | 1515.9 | 1513.9 | 1511.8 | 1511.8 | 1511.8 |
| 167.5° | 1527.4 | 1530.0 | 1532.6 | 1533.9 | 1532.7 | 1530.4 | 1528.1 | 1525.7 | 1523.4 | 1523.7 | 1523.9 |
| 170°   | 1537.9 | 1540.4 | 1543.0 | 1544.3 | 1543.3 | 1541.2 | 1539.1 | 1537.1 | 1535.0 | 1534.8 | 1534.5 |
| 172.5° | 1544.2 | 1547.0 | 1549.9 | 1551.3 | 1550.3 | 1548.2 | 1546.1 | 1544.1 | 1542.0 | 1541.7 | 1541.5 |
| 175°   | 1549.3 | 1552.4 | 1555.5 | 1557.1 | 1555.9 | 1553.6 | 1551.3 | 1548.9 | 1546.6 | 1546.4 | 1546.1 |
| 177.5° | 1551.7 | 1554.8 | 1557.9 | 1559.4 | 1558.4 | 1556.3 | 1554.2 | 1552.2 | 1550.1 | 1549.6 | 1549.1 |
| 180°   | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 |
| 2.5°   | 1331.1 | 1326.8 | 1323.6 | 1323.6 | 1314.0 | 1304.4 | 1299.0 | 1296.9 | 1294.8 | 1286.2 | 1274.4 |
| 5°     | 1385.6 | 1371.7 | 1362.1 | 1352.5 | 1336.5 | 1319.4 | 1302.2 | 1292.6 | 1278.7 | 1259.5 | 1245.6 |
| 7.5°   | 1446.6 | 1413.4 | 1402.7 | 1391.0 | 1358.9 | 1330.0 | 1306.5 | 1286.2 | 1263.8 | 1239.2 | 1214.6 |
| 10°    | 1497.9 | 1462.6 | 1439.1 | 1418.8 | 1377.1 | 1338.6 | 1303.3 | 1273.4 | 1244.5 | 1212.4 | 1182.5 |
| 12.5°  | 1547.1 | 1496.8 | 1472.2 | 1442.3 | 1398.5 | 1342.9 | 1296.9 | 1259.5 | 1216.7 | 1183.6 | 1147.2 |
| 15°    | 1615.5 | 1531.0 | 1490.4 | 1471.2 | 1412.4 | 1347.2 | 1291.6 | 1236.0 | 1200.7 | 1150.4 | 1118.3 |
| 17.5°  | 1626.2 | 1557.8 | 1531.0 | 1481.9 | 1411.3 | 1337.5 | 1273.4 | 1217.8 | 1164.3 | 1119.4 | 1077.7 |
| 20°    | 1663.6 | 1573.8 | 1531.0 | 1500.0 | 1407.0 | 1332.2 | 1261.6 | 1190.0 | 1138.7 | 1090.6 | 1043.5 |
| 22.5°  | 1687.1 | 1585.6 | 1540.7 | 1491.5 | 1402.7 | 1312.9 | 1229.5 | 1167.5 | 1104.4 | 1055.3 | 1017.8 |
| 25°    | 1680.7 | 1579.2 | 1528.9 | 1482.9 | 1374.9 | 1285.1 | 1210.3 | 1131.2 | 1072.4 | 1018.9 | 969.7  |
| 27.5°  | 1677.5 | 1563.1 | 1509.7 | 1458.3 | 1356.8 | 1262.7 | 1168.6 | 1104.4 | 1039.2 | 977.2  | 940.9  |
| 30°    | 1669.0 | 1542.8 | 1480.8 | 1425.2 | 1319.4 | 1221.0 | 1140.8 | 1066.0 | 1000.7 | 944.1  | 896.0  |
| 32.5°  | 1640.1 | 1508.6 | 1448.7 | 1388.8 | 1278.7 | 1180.4 | 1099.1 | 1029.6 | 964.4  | 905.6  | 859.6  |
| 35°    | 1601.6 | 1468.0 | 1402.7 | 1339.7 | 1229.5 | 1130.1 | 1055.3 | 982.6  | 921.6  | 865.0  | 821.1  |
| 37.5°  | 1563.1 | 1420.9 | 1360.0 | 1287.3 | 1185.7 | 1082.0 | 1005.0 | 939.8  | 883.1  | 824.3  | 776.2  |
| 40°    | 1507.5 | 1365.3 | 1298.0 | 1236.0 | 1117.3 | 1020.0 | 949.4  | 890.6  | 835.0  | 779.4  | 738.8  |
| 42.5°  | 1431.6 | 1304.4 | 1234.9 | 1166.5 | 1055.3 | 959.0  | 890.6  | 838.2  | 785.8  | 739.9  | 695.0  |
| 45°    | 1354.6 | 1230.6 | 1168.6 | 1107.7 | 986.8  | 896.0  | 832.9  | 784.8  | 740.9  | 690.7  | 654.3  |
| 47.5°  | 1261.6 | 1156.8 | 1094.8 | 1035.0 | 920.6  | 829.7  | 771.9  | 727.0  | 686.4  | 644.7  | 610.5  |
| 50°    | 1166.5 | 1075.6 | 1018.9 | 956.9  | 847.8  | 765.5  | 708.9  | 671.4  | 638.3  | 598.7  | 570.9  |
| 52.5°  | 1063.8 | 984.7  | 936.6  | 876.7  | 780.5  | 704.6  | 646.8  | 609.4  | 581.6  | 552.8  | 528.2  |
| 55°    | 954.8  | 897.0  | 845.7  | 797.6  | 706.7  | 638.3  | 587.0  | 553.8  | 534.6  | 507.9  | 486.5  |
| 57.5°  | 856.4  | 800.8  | 769.8  | 715.3  | 636.2  | 568.8  | 528.2  | 500.4  | 477.9  | 461.9  | 444.8  |
| 60°    | 753.8  | 708.9  | 674.6  | 635.1  | 565.6  | 508.9  | 466.2  | 450.1  | 426.6  | 414.8  | 407.4  |
| 62.5°  | 655.4  | 623.3  | 591.2  | 561.3  | 499.3  | 445.8  | 413.8  | 393.5  | 379.6  | 367.8  | 361.4  |
| 65°    | 562.4  | 532.4  | 510.0  | 483.3  | 431.9  | 389.2  | 359.2  | 343.2  | 329.3  | 326.1  | 318.6  |
| 67.5°  | 471.5  | 458.7  | 434.1  | 412.7  | 368.9  | 335.7  | 313.3  | 293.0  | 285.5  | 282.3  | 275.8  |
| 70°    | 394.5  | 379.6  | 360.3  | 342.1  | 309.0  | 280.1  | 259.8  | 252.3  | 241.6  | 240.6  | 233.1  |
| 72.5°  | 325.0  | 306.9  | 293.0  | 279.1  | 254.5  | 228.8  | 218.1  | 207.4  | 202.1  | 197.8  | 194.6  |
| 75°    | 257.7  | 244.8  | 235.2  | 223.5  | 202.1  | 185.0  | 170.0  | 165.7  | 162.5  | 161.4  | 159.3  |
| 77.5°  | 192.5  | 183.9  | 179.6  | 167.9  | 152.9  | 137.9  | 131.5  | 125.1  | 125.1  | 123.0  | 124.0  |
| 80°    | 136.9  | 131.5  | 126.2  | 119.7  | 106.9  | 100.5  | 95.2   | 90.9   | 88.7   | 87.7   | 88.7   |
| 82.5°  | 86.6   | 83.4   | 82.3   | 78.0   | 69.5   | 66.3   | 62.0   | 58.8   | 58.8   | 58.8   | 58.8   |
| 85°    | 48.1   | 48.1   | 48.1   | 41.7   | 38.5   | 35.3   | 33.1   | 32.1   | 32.1   | 32.1   | 33.1   |
| 87.5°  | 20.3   | 20.3   | 17.1   | 17.1   | 16.0   | 13.9   | 12.8   | 12.8   | 13.9   | 13.9   | 15.0   |
| 90°    | 19.4   | 17.3   | 16.3   | 14.9   | 12.0   | 9.2    | 6.3    | 3.5    | 6.3    | 9.2    | 12.0   |
| 92.5°  | 18.2   | 16.1   | 15.1   | 15.4   | 15.9   | 16.4   | 16.9   | 17.4   | 16.9   | 16.4   | 15.9   |
| 95°    | 24.8   | 24.5   | 24.4   | 28.8   | 37.6   | 46.3   | 55.1   | 63.9   | 55.1   | 46.3   | 37.6   |
| 97.5°  | 106.8  | 133.9  | 147.5  | 144.7  | 139.0  | 133.3  | 127.6  | 121.9  | 127.6  | 133.3  | 139.0  |
| 100°   | 157.9  | 193.5  | 211.3  | 209.0  | 204.3  | 199.7  | 195.0  | 190.4  | 195.0  | 199.7  | 204.3  |
| 102.5° | 285.6  | 282.5  | 281.0  | 279.5  | 276.4  | 273.3  | 270.2  | 267.1  | 270.2  | 273.3  | 276.4  |
| 105°   | 358.4  | 357.1  | 356.5  | 355.7  | 354.2  | 352.6  | 351.1  | 349.5  | 351.1  | 352.6  | 354.2  |
| 107.5° | 431.2  | 429.4  | 428.5  | 428.1  | 427.3  | 426.6  | 425.8  | 425.0  | 425.8  | 426.6  | 427.3  |
| 110°   | 507.4  | 505.9  | 505.1  | 504.7  | 503.9  | 503.2  | 502.4  | 501.6  | 502.4  | 503.2  | 503.9  |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 583.7  | 583.2  | 582.9  | 582.1  | 580.6  | 579.0  | 577.5  | 575.9  | 577.5  | 579.0  | 580.6  |
| 115°   | 655.6  | 655.9  | 656.0  | 655.6  | 654.9  | 654.1  | 653.4  | 652.6  | 653.4  | 654.1  | 654.9  |
| 117.5° | 726.9  | 726.1  | 725.7  | 725.2  | 724.2  | 723.1  | 722.1  | 721.1  | 722.1  | 723.1  | 724.2  |
| 120°   | 795.0  | 795.3  | 795.4  | 794.9  | 793.8  | 792.8  | 791.7  | 790.7  | 791.7  | 792.8  | 793.8  |
| 122.5° | 858.9  | 858.4  | 858.1  | 857.8  | 857.3  | 856.8  | 856.3  | 855.8  | 856.3  | 856.8  | 857.3  |
| 125°   | 921.1  | 921.6  | 921.9  | 921.4  | 920.4  | 919.3  | 918.3  | 917.3  | 918.3  | 919.3  | 920.4  |
| 127.5° | 979.6  | 978.3  | 977.7  | 977.6  | 977.3  | 977.0  | 976.8  | 976.5  | 976.8  | 977.0  | 977.3  |
| 130°   | 1035.8 | 1035.0 | 1034.6 | 1034.5 | 1034.2 | 1033.9 | 1033.7 | 1033.4 | 1033.7 | 1033.9 | 1034.2 |
| 132.5° | 1089.5 | 1088.5 | 1088.0 | 1087.7 | 1087.2 | 1086.7 | 1086.2 | 1085.7 | 1086.2 | 1086.7 | 1087.2 |
| 135°   | 1138.3 | 1137.3 | 1136.8 | 1136.9 | 1137.2 | 1137.4 | 1137.7 | 1137.9 | 1137.7 | 1137.4 | 1137.2 |
| 137.5° | 1186.3 | 1185.0 | 1184.4 | 1184.4 | 1184.4 | 1184.4 | 1184.4 | 1184.4 | 1184.4 | 1184.4 | 1184.4 |
| 140°   | 1232.8 | 1232.3 | 1232.0 | 1231.7 | 1231.2 | 1230.7 | 1230.1 | 1229.6 | 1230.1 | 1230.7 | 1231.2 |
| 142.5° | 1275.3 | 1275.0 | 1274.9 | 1274.4 | 1273.4 | 1272.3 | 1271.3 | 1270.3 | 1271.3 | 1272.3 | 1273.4 |
| 145°   | 1315.6 | 1315.6 | 1315.6 | 1315.2 | 1314.4 | 1313.7 | 1312.9 | 1312.1 | 1312.9 | 1313.7 | 1314.4 |
| 147.5° | 1351.2 | 1351.5 | 1351.6 | 1350.8 | 1349.3 | 1347.7 | 1346.2 | 1344.6 | 1346.2 | 1347.7 | 1349.3 |
| 150°   | 1384.8 | 1385.1 | 1385.2 | 1384.7 | 1383.7 | 1382.6 | 1381.6 | 1380.6 | 1381.6 | 1382.6 | 1383.7 |
| 152.5° | 1413.5 | 1414.0 | 1414.3 | 1413.9 | 1413.1 | 1412.4 | 1411.6 | 1410.8 | 1411.6 | 1412.4 | 1413.1 |
| 155°   | 1438.6 | 1439.4 | 1439.8 | 1439.7 | 1439.4 | 1439.1 | 1438.9 | 1438.6 | 1438.9 | 1439.1 | 1439.4 |
| 157.5° | 1461.5 | 1462.5 | 1463.0 | 1463.0 | 1463.0 | 1463.0 | 1463.0 | 1463.0 | 1463.0 | 1463.0 | 1463.0 |
| 160°   | 1480.0 | 1480.3 | 1480.4 | 1480.8 | 1481.6 | 1482.3 | 1483.1 | 1483.9 | 1483.1 | 1482.3 | 1481.6 |
| 162.5° | 1497.5 | 1497.8 | 1497.9 | 1498.4 | 1499.4 | 1500.5 | 1501.5 | 1502.5 | 1501.5 | 1500.5 | 1499.4 |
| 165°   | 1511.8 | 1511.8 | 1511.8 | 1512.4 | 1513.7 | 1515.0 | 1516.3 | 1517.6 | 1516.3 | 1515.0 | 1513.7 |
| 167.5° | 1524.2 | 1524.5 | 1524.6 | 1525.2 | 1526.5 | 1527.8 | 1529.1 | 1530.4 | 1529.1 | 1527.8 | 1526.5 |
| 170°   | 1534.3 | 1534.0 | 1533.9 | 1534.7 | 1536.2 | 1537.7 | 1539.3 | 1540.8 | 1539.3 | 1537.7 | 1536.2 |
| 172.5° | 1541.2 | 1540.9 | 1540.8 | 1541.6 | 1543.1 | 1544.7 | 1546.2 | 1547.8 | 1546.2 | 1544.7 | 1543.1 |
| 175°   | 1545.9 | 1545.6 | 1545.5 | 1546.3 | 1547.8 | 1549.3 | 1550.9 | 1552.4 | 1550.9 | 1549.3 | 1547.8 |
| 177.5° | 1548.6 | 1548.1 | 1547.8 | 1548.7 | 1550.5 | 1552.3 | 1554.1 | 1555.9 | 1554.1 | 1552.3 | 1550.5 |
| 180°   | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 |
| 2.5°   | 1271.2 | 1267.0 | 1269.1 | 1258.4 | 1248.8 | 1234.9 | 1223.1 | 1221.0 | 1218.9 | 1225.3 | 1221.0 |
| 5°     | 1234.9 | 1229.5 | 1224.2 | 1211.4 | 1192.1 | 1180.4 | 1163.3 | 1162.2 | 1155.8 | 1146.1 | 1148.3 |
| 7.5°   | 1195.3 | 1192.1 | 1184.6 | 1164.3 | 1147.2 | 1126.9 | 1113.0 | 1101.2 | 1095.9 | 1087.3 | 1084.1 |
| 10°    | 1163.3 | 1151.5 | 1145.1 | 1122.6 | 1102.3 | 1080.9 | 1062.8 | 1054.2 | 1044.6 | 1037.1 | 1031.7 |
| 12.5°  | 1119.4 | 1116.2 | 1098.0 | 1079.9 | 1062.8 | 1038.2 | 1024.3 | 999.7  | 986.8  | 993.3  | 991.1  |
| 15°    | 1090.6 | 1075.6 | 1071.3 | 1045.6 | 1016.8 | 1000.7 | 975.1  | 959.0  | 953.7  | 944.1  | 932.3  |
| 17.5°  | 1052.1 | 1042.4 | 1027.5 | 1003.9 | 970.8  | 948.4  | 930.2  | 915.2  | 908.8  | 896.0  | 886.3  |
| 20°    | 1015.7 | 999.7  | 987.9  | 966.5  | 934.5  | 905.6  | 883.1  | 873.5  | 857.5  | 846.8  | 841.4  |
| 22.5°  | 982.6  | 970.8  | 953.7  | 921.6  | 893.8  | 866.0  | 839.3  | 825.4  | 810.4  | 804.0  | 795.5  |
| 25°    | 941.9  | 922.7  | 910.9  | 875.6  | 845.7  | 823.3  | 798.7  | 780.5  | 771.9  | 761.2  | 759.1  |
| 27.5°  | 902.4  | 884.2  | 870.3  | 839.3  | 802.9  | 774.1  | 759.1  | 746.3  | 731.3  | 731.3  | 726.0  |
| 30°    | 862.8  | 850.0  | 828.6  | 798.7  | 764.5  | 736.7  | 719.5  | 707.8  | 702.4  | 698.2  | 697.1  |
| 32.5°  | 823.3  | 806.2  | 793.3  | 752.7  | 727.0  | 701.4  | 688.5  | 678.9  | 672.5  | 671.4  | 672.5  |
| 35°    | 782.6  | 763.4  | 750.6  | 714.2  | 688.5  | 665.0  | 659.7  | 651.1  | 647.9  | 646.8  | 652.2  |
| 37.5°  | 739.9  | 724.9  | 708.9  | 678.9  | 650.1  | 636.2  | 625.5  | 622.3  | 621.2  | 627.6  | 629.7  |
| 40°    | 700.3  | 687.5  | 672.5  | 640.4  | 619.0  | 604.1  | 598.7  | 595.5  | 599.8  | 606.2  | 609.4  |
| 42.5°  | 662.9  | 644.7  | 632.9  | 604.1  | 584.8  | 576.3  | 569.9  | 569.9  | 574.1  | 581.6  | 587.0  |
| 45°    | 623.3  | 609.4  | 597.7  | 572.0  | 554.9  | 545.3  | 544.2  | 545.3  | 550.6  | 556.0  | 562.4  |
| 47.5°  | 584.8  | 570.9  | 558.1  | 536.7  | 521.8  | 516.4  | 515.3  | 516.4  | 525.0  | 532.4  | 539.9  |
| 50°    | 549.6  | 534.6  | 522.8  | 502.5  | 490.7  | 484.3  | 485.4  | 490.7  | 497.2  | 507.9  | 517.5  |
| 52.5°  | 507.9  | 497.2  | 486.5  | 468.3  | 457.6  | 453.3  | 456.5  | 460.8  | 472.6  | 480.1  | 491.8  |
| 55°    | 467.2  | 457.6  | 449.1  | 435.2  | 426.6  | 423.4  | 425.5  | 431.9  | 441.6  | 454.4  | 468.3  |
| 57.5°  | 429.8  | 419.1  | 410.6  | 400.9  | 391.3  | 392.4  | 393.5  | 402.0  | 413.8  | 425.5  | 441.6  |
| 60°    | 388.1  | 381.7  | 374.2  | 362.4  | 358.2  | 358.2  | 361.4  | 371.0  | 381.7  | 400.9  | 414.8  |
| 62.5°  | 350.7  | 342.1  | 336.8  | 329.3  | 322.9  | 324.0  | 331.4  | 340.0  | 352.8  | 368.9  | 387.0  |
| 65°    | 312.2  | 302.6  | 298.3  | 291.9  | 289.7  | 290.8  | 296.2  | 309.0  | 322.9  | 336.8  | 353.9  |
| 67.5°  | 269.4  | 266.2  | 261.9  | 255.5  | 257.7  | 258.7  | 264.1  | 274.8  | 289.7  | 303.6  | 322.9  |
| 70°    | 233.1  | 226.7  | 225.6  | 220.2  | 220.2  | 223.5  | 234.1  | 241.6  | 255.5  | 270.5  | 290.8  |
| 72.5°  | 194.6  | 189.2  | 189.2  | 185.0  | 188.2  | 191.4  | 196.7  | 207.4  | 220.2  | 235.2  | 252.3  |
| 75°    | 155.0  | 152.9  | 155.0  | 152.9  | 152.9  | 158.2  | 164.7  | 173.2  | 187.1  | 203.1  | 217.0  |
| 77.5°  | 119.7  | 119.7  | 118.7  | 121.9  | 121.9  | 125.1  | 133.6  | 142.2  | 152.9  | 165.7  | 180.7  |
| 80°    | 87.7   | 87.7   | 87.7   | 90.9   | 94.1   | 94.1   | 99.4   | 110.1  | 119.7  | 128.3  | 142.2  |
| 82.5°  | 59.9   | 59.9   | 59.9   | 62.0   | 66.3   | 66.3   | 72.7   | 79.1   | 89.8   | 97.3   | 103.7  |
| 85°    | 36.4   | 36.4   | 35.3   | 37.4   | 38.5   | 41.7   | 47.0   | 51.3   | 56.7   | 63.1   | 69.5   |
| 87.5°  | 16.0   | 16.0   | 17.1   | 18.2   | 19.2   | 21.4   | 23.5   | 25.7   | 31.0   | 33.1   | 36.4   |
| 90°    | 14.9   | 16.3   | 17.3   | 19.4   | 21.4   | 23.5   | 25.5   | 27.1   | 28.6   | 30.2   | 31.7   |
| 92.5°  | 15.4   | 15.1   | 16.1   | 18.2   | 20.3   | 22.3   | 24.4   | 26.0   | 27.5   | 29.1   | 30.6   |
| 95°    | 28.8   | 24.4   | 24.5   | 24.8   | 25.0   | 25.3   | 25.5   | 27.1   | 28.6   | 30.2   | 31.7   |
| 97.5°  | 144.7  | 147.5  | 133.9  | 106.8  | 79.7   | 52.6   | 25.5   | 26.8   | 28.1   | 29.4   | 30.7   |
| 100°   | 209.0  | 211.3  | 193.5  | 157.9  | 122.3  | 86.7   | 51.1   | 46.7   | 42.3   | 38.0   | 33.6   |
| 102.5° | 279.5  | 281.0  | 282.5  | 285.6  | 288.7  | 291.8  | 294.9  | 236.9  | 178.8  | 120.8  | 62.7   |
| 105°   | 355.7  | 356.5  | 357.1  | 358.4  | 359.7  | 361.0  | 362.3  | 364.6  | 366.9  | 369.2  | 371.5  |
| 107.5° | 428.1  | 428.5  | 429.4  | 431.2  | 433.0  | 434.8  | 436.6  | 437.9  | 439.2  | 440.5  | 441.8  |
| 110°   | 504.7  | 505.1  | 505.9  | 507.4  | 509.0  | 510.5  | 512.1  | 512.6  | 513.1  | 513.6  | 514.1  |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 582.1  | 582.9  | 583.2  | 583.7  | 584.2  | 584.7  | 585.2  | 585.0  | 584.7  | 584.5  | 584.2  |
| 115°   | 655.6  | 656.0  | 655.9  | 655.6  | 655.4  | 655.1  | 654.9  | 655.4  | 655.9  | 656.4  | 656.9  |
| 117.5° | 725.2  | 725.7  | 726.1  | 726.9  | 727.6  | 728.4  | 729.2  | 728.9  | 728.7  | 728.4  | 728.1  |
| 120°   | 794.9  | 795.4  | 795.3  | 795.0  | 794.7  | 794.5  | 794.2  | 794.7  | 795.2  | 795.7  | 796.2  |
| 122.5° | 857.8  | 858.1  | 858.4  | 858.9  | 859.4  | 859.9  | 860.4  | 860.7  | 860.9  | 861.2  | 861.5  |
| 125°   | 921.4  | 921.9  | 921.6  | 921.1  | 920.6  | 920.1  | 919.6  | 920.4  | 921.2  | 921.9  | 922.7  |
| 127.5° | 977.6  | 977.7  | 978.3  | 979.6  | 980.9  | 982.2  | 983.5  | 983.2  | 983.0  | 982.7  | 982.4  |
| 130°   | 1034.5 | 1034.6 | 1035.0 | 1035.8 | 1036.5 | 1037.3 | 1038.1 | 1038.3 | 1038.6 | 1038.8 | 1039.1 |
| 132.5° | 1087.7 | 1088.0 | 1088.5 | 1089.5 | 1090.6 | 1091.6 | 1092.6 | 1092.9 | 1093.1 | 1093.4 | 1093.7 |
| 135°   | 1136.9 | 1136.8 | 1137.3 | 1138.3 | 1139.4 | 1140.4 | 1141.4 | 1141.9 | 1142.4 | 1142.9 | 1143.4 |
| 137.5° | 1184.4 | 1184.4 | 1185.0 | 1186.3 | 1187.6 | 1188.9 | 1190.2 | 1190.7 | 1191.2 | 1191.7 | 1192.2 |
| 140°   | 1231.7 | 1232.0 | 1232.3 | 1232.8 | 1233.3 | 1233.8 | 1234.3 | 1235.1 | 1235.9 | 1236.6 | 1237.4 |
| 142.5° | 1274.4 | 1274.9 | 1275.0 | 1275.3 | 1275.6 | 1275.8 | 1276.1 | 1276.6 | 1277.1 | 1277.6 | 1278.1 |
| 145°   | 1315.2 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.8 | 1316.1 | 1316.3 | 1316.6 |
| 147.5° | 1350.8 | 1351.6 | 1351.5 | 1351.2 | 1350.9 | 1350.7 | 1350.4 | 1350.7 | 1350.9 | 1351.2 | 1351.5 |
| 150°   | 1384.7 | 1385.2 | 1385.1 | 1384.8 | 1384.6 | 1384.3 | 1384.1 | 1384.1 | 1384.1 | 1384.1 | 1384.1 |
| 152.5° | 1413.9 | 1414.3 | 1414.0 | 1413.5 | 1413.0 | 1412.4 | 1411.9 | 1412.4 | 1413.0 | 1413.5 | 1414.0 |
| 155°   | 1439.7 | 1439.8 | 1439.4 | 1438.6 | 1437.9 | 1437.1 | 1436.3 | 1437.3 | 1438.4 | 1439.4 | 1440.5 |
| 157.5° | 1463.0 | 1463.0 | 1462.5 | 1461.5 | 1460.4 | 1459.4 | 1458.4 | 1459.7 | 1461.0 | 1462.3 | 1463.6 |
| 160°   | 1480.8 | 1480.4 | 1480.3 | 1480.0 | 1479.8 | 1479.5 | 1479.3 | 1480.9 | 1482.4 | 1484.0 | 1485.5 |
| 162.5° | 1498.4 | 1497.9 | 1497.8 | 1497.5 | 1497.2 | 1497.0 | 1496.7 | 1498.3 | 1499.8 | 1501.4 | 1502.9 |
| 165°   | 1512.4 | 1511.8 | 1511.8 | 1511.8 | 1511.8 | 1511.8 | 1511.8 | 1513.9 | 1515.9 | 1518.0 | 1520.1 |
| 167.5° | 1525.2 | 1524.6 | 1524.5 | 1524.2 | 1523.9 | 1523.7 | 1523.4 | 1525.7 | 1528.1 | 1530.4 | 1532.7 |
| 170°   | 1534.7 | 1533.9 | 1534.0 | 1534.3 | 1534.5 | 1534.8 | 1535.0 | 1537.1 | 1539.1 | 1541.2 | 1543.3 |
| 172.5° | 1541.6 | 1540.8 | 1540.9 | 1541.2 | 1541.5 | 1541.7 | 1542.0 | 1544.1 | 1546.1 | 1548.2 | 1550.3 |
| 175°   | 1546.3 | 1545.5 | 1545.6 | 1545.9 | 1546.1 | 1546.4 | 1546.6 | 1548.9 | 1551.3 | 1553.6 | 1555.9 |
| 177.5° | 1548.7 | 1547.8 | 1548.1 | 1548.6 | 1549.1 | 1549.6 | 1550.1 | 1552.2 | 1554.2 | 1556.3 | 1558.4 |
| 180°   | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 |
| 2.5°   | 1217.8 | 1216.7 | 1211.4 | 1213.5 | 1207.1 | 1209.2 | 1212.4 | 1213.5 | 1217.8 | 1214.6 | 1213.5 |
| 5°     | 1142.9 | 1140.8 | 1137.6 | 1134.4 | 1133.3 | 1137.6 | 1130.1 | 1132.2 | 1134.4 | 1137.6 | 1141.9 |
| 7.5°   | 1082.0 | 1080.9 | 1077.7 | 1072.4 | 1070.2 | 1068.1 | 1069.2 | 1076.7 | 1075.6 | 1074.5 | 1082.0 |
| 10°    | 1026.4 | 1027.5 | 1021.1 | 1020.0 | 1013.6 | 1012.5 | 1013.6 | 1015.7 | 1018.9 | 1023.2 | 1024.3 |
| 12.5°  | 968.7  | 982.6  | 970.8  | 966.5  | 956.9  | 962.3  | 964.4  | 954.8  | 960.1  | 963.3  | 979.4  |
| 15°    | 932.3  | 925.9  | 918.4  | 918.4  | 914.1  | 912.0  | 906.7  | 914.1  | 918.4  | 924.8  | 922.7  |
| 17.5°  | 882.1  | 871.4  | 867.1  | 862.8  | 863.9  | 868.2  | 856.4  | 873.5  | 873.5  | 876.7  | 871.4  |
| 20°    | 838.2  | 829.7  | 824.3  | 822.2  | 819.0  | 816.8  | 815.8  | 820.1  | 826.5  | 828.6  | 834.0  |
| 22.5°  | 792.3  | 792.3  | 783.7  | 780.5  | 778.4  | 775.1  | 780.5  | 777.3  | 781.6  | 785.8  | 794.4  |
| 25°    | 753.8  | 753.8  | 750.6  | 746.3  | 743.1  | 740.9  | 744.1  | 743.1  | 746.3  | 751.6  | 753.8  |
| 27.5°  | 722.8  | 719.5  | 718.5  | 717.4  | 716.3  | 717.4  | 716.3  | 719.5  | 722.8  | 723.8  | 721.7  |
| 30°    | 696.0  | 692.8  | 693.9  | 693.9  | 695.0  | 693.9  | 692.8  | 696.0  | 697.1  | 695.0  | 696.0  |
| 32.5°  | 671.4  | 671.4  | 673.6  | 674.6  | 674.6  | 675.7  | 676.8  | 674.6  | 675.7  | 672.5  | 673.6  |
| 35°    | 651.1  | 653.3  | 655.4  | 656.5  | 657.5  | 656.5  | 658.6  | 657.5  | 655.4  | 653.3  | 652.2  |
| 37.5°  | 630.8  | 632.9  | 637.2  | 638.3  | 641.5  | 642.6  | 640.4  | 640.4  | 639.4  | 635.1  | 632.9  |
| 40°    | 609.4  | 611.6  | 616.9  | 620.1  | 622.3  | 625.5  | 623.3  | 623.3  | 619.0  | 614.8  | 611.6  |
| 42.5°  | 589.1  | 593.4  | 598.7  | 601.9  | 606.2  | 606.2  | 606.2  | 604.1  | 598.7  | 594.5  | 591.2  |
| 45°    | 568.8  | 569.9  | 577.4  | 582.7  | 587.0  | 587.0  | 587.0  | 583.8  | 580.6  | 572.0  | 567.7  |
| 47.5°  | 546.3  | 549.6  | 558.1  | 563.5  | 567.7  | 568.8  | 568.8  | 565.6  | 559.2  | 551.7  | 546.3  |
| 50°    | 521.8  | 527.1  | 536.7  | 544.2  | 549.6  | 551.7  | 548.5  | 546.3  | 538.9  | 530.3  | 523.9  |
| 52.5°  | 498.2  | 504.6  | 516.4  | 522.8  | 530.3  | 531.4  | 530.3  | 527.1  | 518.5  | 506.8  | 501.4  |
| 55°    | 474.7  | 480.1  | 492.9  | 503.6  | 510.0  | 512.1  | 510.0  | 504.6  | 494.0  | 482.2  | 476.8  |
| 57.5°  | 449.1  | 456.5  | 470.4  | 481.1  | 488.6  | 489.7  | 487.5  | 482.2  | 473.6  | 458.7  | 451.2  |
| 60°    | 422.3  | 431.9  | 445.8  | 456.5  | 466.2  | 467.2  | 465.1  | 457.6  | 446.9  | 431.9  | 425.5  |
| 62.5°  | 395.6  | 403.1  | 419.1  | 430.9  | 438.4  | 443.7  | 439.4  | 431.9  | 421.3  | 406.3  | 396.7  |
| 65°    | 364.6  | 375.3  | 389.2  | 399.9  | 408.4  | 409.5  | 407.4  | 400.9  | 389.2  | 373.1  | 365.7  |
| 67.5°  | 334.6  | 342.1  | 356.0  | 369.9  | 373.1  | 376.3  | 373.1  | 366.7  | 357.1  | 343.2  | 332.5  |
| 70°    | 298.3  | 304.7  | 321.8  | 331.4  | 335.7  | 338.9  | 336.8  | 330.4  | 321.8  | 309.0  | 300.4  |
| 72.5°  | 261.9  | 267.3  | 283.3  | 290.8  | 299.4  | 298.3  | 297.2  | 293.0  | 281.2  | 272.6  | 267.3  |
| 75°    | 223.5  | 229.9  | 240.6  | 250.2  | 253.4  | 253.4  | 253.4  | 250.2  | 242.7  | 228.8  | 223.5  |
| 77.5°  | 188.2  | 191.4  | 199.9  | 205.3  | 208.5  | 209.6  | 208.5  | 203.1  | 198.9  | 189.2  | 186.0  |
| 80°    | 144.3  | 152.9  | 159.3  | 160.4  | 164.7  | 164.7  | 164.7  | 162.5  | 158.2  | 148.6  | 147.5  |
| 82.5°  | 109.1  | 111.2  | 117.6  | 120.8  | 123.0  | 121.9  | 121.9  | 117.6  | 116.5  | 111.2  | 109.1  |
| 85°    | 73.8   | 77.0   | 75.9   | 80.2   | 81.3   | 79.1   | 79.1   | 81.3   | 75.9   | 77.0   | 73.8   |
| 87.5°  | 40.6   | 40.6   | 42.8   | 41.7   | 46.0   | 46.0   | 43.8   | 44.9   | 42.8   | 41.7   | 40.6   |
| 90°    | 32.5   | 32.8   | 33.3   | 33.8   | 34.3   | 34.8   | 34.3   | 33.8   | 33.3   | 32.8   | 32.5   |
| 92.5°  | 31.4   | 31.4   | 31.4   | 31.4   | 31.4   | 31.4   | 31.4   | 31.4   | 31.4   | 31.4   | 31.4   |
| 95°    | 32.5   | 32.6   | 32.9   | 33.2   | 33.4   | 33.7   | 33.4   | 33.2   | 32.9   | 32.6   | 32.5   |
| 97.5°  | 31.4   | 31.5   | 31.8   | 32.0   | 32.3   | 32.5   | 32.3   | 32.0   | 31.8   | 31.5   | 31.4   |
| 100°   | 31.4   | 31.5   | 31.8   | 32.0   | 32.3   | 32.5   | 32.3   | 32.0   | 31.8   | 31.5   | 31.4   |
| 102.5° | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   | 33.7   |
| 105°   | 372.7  | 368.1  | 358.8  | 349.5  | 340.2  | 330.9  | 340.2  | 349.5  | 358.8  | 368.1  | 372.7  |
| 107.5° | 442.4  | 442.9  | 443.9  | 445.0  | 446.0  | 447.0  | 446.0  | 445.0  | 443.9  | 442.9  | 442.4  |
| 110°   | 514.4  | 514.8  | 515.6  | 516.3  | 517.1  | 517.9  | 517.1  | 516.3  | 515.6  | 514.8  | 514.4  |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 584.1  | 584.6  | 585.6  | 586.7  | 587.7  | 588.7  | 587.7  | 586.7  | 585.6  | 584.6  | 584.1  |
| 115°   | 657.2  | 657.2  | 657.2  | 657.2  | 657.2  | 657.2  | 657.2  | 657.2  | 657.2  | 657.2  | 657.2  |
| 117.5° | 728.0  | 728.0  | 728.0  | 728.0  | 728.0  | 728.0  | 728.0  | 728.0  | 728.0  | 728.0  | 728.0  |
| 120°   | 796.5  | 796.2  | 795.7  | 795.2  | 794.7  | 794.2  | 794.7  | 795.2  | 795.7  | 796.2  | 796.5  |
| 122.5° | 861.6  | 861.3  | 860.8  | 860.3  | 859.7  | 859.2  | 859.7  | 860.3  | 860.8  | 861.3  | 861.6  |
| 125°   | 923.1  | 923.2  | 923.5  | 923.8  | 924.0  | 924.3  | 924.0  | 923.8  | 923.5  | 923.2  | 923.1  |
| 127.5° | 982.3  | 982.2  | 981.9  | 981.7  | 981.4  | 981.2  | 981.4  | 981.7  | 981.9  | 982.2  | 982.3  |
| 130°   | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 |
| 132.5° | 1093.8 | 1093.7 | 1093.4 | 1093.1 | 1092.9 | 1092.6 | 1092.9 | 1093.1 | 1093.4 | 1093.7 | 1093.8 |
| 135°   | 1143.7 | 1144.0 | 1144.5 | 1145.0 | 1145.5 | 1146.0 | 1145.5 | 1145.0 | 1144.5 | 1144.0 | 1143.7 |
| 137.5° | 1192.5 | 1192.4 | 1192.1 | 1191.8 | 1191.6 | 1191.3 | 1191.6 | 1191.8 | 1192.1 | 1192.4 | 1192.5 |
| 140°   | 1237.8 | 1237.9 | 1238.2 | 1238.4 | 1238.7 | 1238.9 | 1238.7 | 1238.4 | 1238.2 | 1237.9 | 1237.8 |
| 142.5° | 1278.4 | 1278.4 | 1278.4 | 1278.4 | 1278.4 | 1278.4 | 1278.4 | 1278.4 | 1278.4 | 1278.4 | 1278.4 |
| 145°   | 1316.7 | 1317.0 | 1317.5 | 1318.0 | 1318.6 | 1319.1 | 1318.6 | 1318.0 | 1317.5 | 1317.0 | 1316.7 |
| 147.5° | 1351.6 | 1351.7 | 1352.0 | 1352.2 | 1352.5 | 1352.7 | 1352.5 | 1352.2 | 1352.0 | 1351.7 | 1351.6 |
| 150°   | 1384.1 | 1384.2 | 1384.5 | 1384.7 | 1385.0 | 1385.2 | 1385.0 | 1384.7 | 1384.5 | 1384.2 | 1384.1 |
| 152.5° | 1414.3 | 1414.2 | 1413.9 | 1413.6 | 1413.4 | 1413.1 | 1413.4 | 1413.6 | 1413.9 | 1414.2 | 1414.3 |
| 155°   | 1441.0 | 1440.6 | 1439.8 | 1439.1 | 1438.3 | 1437.5 | 1438.3 | 1439.1 | 1439.8 | 1440.6 | 1441.0 |
| 157.5° | 1464.2 | 1463.6 | 1462.3 | 1461.0 | 1459.7 | 1458.4 | 1459.7 | 1461.0 | 1462.3 | 1463.6 | 1464.2 |
| 160°   | 1486.3 | 1485.5 | 1484.0 | 1482.4 | 1480.9 | 1479.3 | 1480.9 | 1482.4 | 1484.0 | 1485.5 | 1486.3 |
| 162.5° | 1503.7 | 1502.8 | 1501.0 | 1499.1 | 1497.3 | 1495.5 | 1497.3 | 1499.1 | 1501.0 | 1502.8 | 1503.7 |
| 165°   | 1521.1 | 1519.9 | 1517.6 | 1515.3 | 1512.9 | 1510.6 | 1512.9 | 1515.3 | 1517.6 | 1519.9 | 1521.1 |
| 167.5° | 1533.9 | 1532.6 | 1530.0 | 1527.4 | 1524.8 | 1522.2 | 1524.8 | 1527.4 | 1530.0 | 1532.6 | 1533.9 |
| 170°   | 1544.3 | 1543.0 | 1540.4 | 1537.9 | 1535.3 | 1532.7 | 1535.3 | 1537.9 | 1540.4 | 1543.0 | 1544.3 |
| 172.5° | 1551.3 | 1549.9 | 1547.0 | 1544.2 | 1541.3 | 1538.5 | 1541.3 | 1544.2 | 1547.0 | 1549.9 | 1551.3 |
| 175°   | 1557.1 | 1555.5 | 1552.4 | 1549.3 | 1546.2 | 1543.1 | 1546.2 | 1549.3 | 1552.4 | 1555.5 | 1557.1 |
| 177.5° | 1559.4 | 1557.9 | 1554.8 | 1551.7 | 1548.6 | 1545.5 | 1548.6 | 1551.7 | 1554.8 | 1557.9 | 1559.4 |
| 180°   | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 |
| 2.5°   | 1213.5 | 1219.9 | 1213.5 | 1217.8 | 1219.9 | 1225.3 | 1227.4 | 1237.0 | 1240.2 | 1247.7 | 1247.7 |
| 5°     | 1140.8 | 1144.0 | 1145.1 | 1149.4 | 1153.6 | 1164.3 | 1171.8 | 1185.7 | 1201.7 | 1203.9 | 1213.5 |
| 7.5°   | 1082.0 | 1087.3 | 1095.9 | 1092.7 | 1100.2 | 1116.2 | 1125.8 | 1142.9 | 1159.0 | 1167.5 | 1179.3 |
| 10°    | 1029.6 | 1036.0 | 1039.2 | 1042.4 | 1056.3 | 1070.2 | 1085.2 | 1097.0 | 1118.3 | 1131.2 | 1140.8 |
| 12.5°  | 986.8  | 981.5  | 987.9  | 999.7  | 1015.7 | 1024.3 | 1044.6 | 1062.8 | 1078.8 | 1092.7 | 1101.2 |
| 15°    | 931.2  | 935.5  | 941.9  | 962.3  | 966.5  | 987.9  | 995.4  | 1015.7 | 1045.6 | 1058.5 | 1069.2 |
| 17.5°  | 877.8  | 891.7  | 904.5  | 912.0  | 924.8  | 941.9  | 963.3  | 985.8  | 1005.0 | 1020.0 | 1032.8 |
| 20°    | 835.0  | 848.9  | 856.4  | 861.7  | 874.6  | 898.1  | 918.4  | 946.2  | 970.8  | 982.6  | 999.7  |
| 22.5°  | 800.8  | 800.8  | 811.5  | 827.5  | 835.0  | 857.5  | 874.6  | 904.5  | 931.2  | 946.2  | 962.3  |
| 25°    | 758.0  | 764.5  | 773.0  | 786.9  | 797.6  | 815.8  | 840.4  | 866.0  | 894.9  | 907.7  | 928.0  |
| 27.5°  | 722.8  | 730.2  | 742.0  | 745.2  | 755.9  | 771.9  | 797.6  | 825.4  | 855.3  | 869.2  | 886.3  |
| 30°    | 696.0  | 700.3  | 704.6  | 711.0  | 720.6  | 734.5  | 755.9  | 780.5  | 816.8  | 827.5  | 848.9  |
| 32.5°  | 672.5  | 674.6  | 676.8  | 682.1  | 687.5  | 701.4  | 718.5  | 745.2  | 775.1  | 791.2  | 810.4  |
| 35°    | 651.1  | 649.0  | 650.1  | 653.3  | 658.6  | 664.0  | 682.1  | 704.6  | 732.4  | 751.6  | 766.6  |
| 37.5°  | 630.8  | 626.5  | 625.5  | 625.5  | 627.6  | 634.0  | 647.9  | 667.2  | 697.1  | 713.1  | 728.1  |
| 40°    | 608.4  | 604.1  | 601.9  | 600.9  | 599.8  | 604.1  | 614.8  | 634.0  | 657.5  | 672.5  | 689.6  |
| 42.5°  | 587.0  | 582.7  | 577.4  | 576.3  | 574.1  | 576.3  | 583.8  | 601.9  | 622.3  | 637.2  | 651.1  |
| 45°    | 565.6  | 558.1  | 551.7  | 547.4  | 548.5  | 545.3  | 550.6  | 564.5  | 588.0  | 597.7  | 611.6  |
| 47.5°  | 542.1  | 533.5  | 525.0  | 520.7  | 516.4  | 518.5  | 520.7  | 532.4  | 552.8  | 562.4  | 576.3  |
| 50°    | 519.6  | 507.9  | 498.2  | 492.9  | 489.7  | 487.5  | 489.7  | 501.4  | 516.4  | 525.0  | 536.7  |
| 52.5°  | 494.0  | 482.2  | 472.6  | 464.0  | 459.7  | 456.5  | 457.6  | 468.3  | 482.2  | 490.7  | 502.5  |
| 55°    | 470.4  | 455.5  | 442.6  | 431.9  | 428.7  | 427.7  | 426.6  | 434.1  | 445.8  | 454.4  | 464.0  |
| 57.5°  | 443.7  | 428.7  | 414.8  | 402.0  | 395.6  | 394.5  | 394.5  | 396.7  | 411.6  | 418.0  | 423.4  |
| 60°    | 417.0  | 400.9  | 386.0  | 374.2  | 364.6  | 361.4  | 360.3  | 364.6  | 372.1  | 378.5  | 386.0  |
| 62.5°  | 387.0  | 371.0  | 352.8  | 342.1  | 332.5  | 324.0  | 327.2  | 328.2  | 338.9  | 342.1  | 348.5  |
| 65°    | 358.2  | 340.0  | 325.0  | 307.9  | 297.2  | 291.9  | 289.7  | 291.9  | 300.4  | 301.5  | 305.8  |
| 67.5°  | 325.0  | 307.9  | 289.7  | 278.0  | 268.4  | 258.7  | 256.6  | 256.6  | 260.9  | 264.1  | 269.4  |
| 70°    | 293.0  | 275.8  | 255.5  | 242.7  | 233.1  | 224.5  | 221.3  | 220.2  | 223.5  | 225.6  | 230.9  |
| 72.5°  | 255.5  | 238.4  | 223.5  | 209.6  | 197.8  | 191.4  | 188.2  | 186.0  | 189.2  | 191.4  | 192.5  |
| 75°    | 216.0  | 202.1  | 187.1  | 173.2  | 165.7  | 159.3  | 155.0  | 151.8  | 154.0  | 154.0  | 154.0  |
| 77.5°  | 178.6  | 164.7  | 152.9  | 143.3  | 133.6  | 126.2  | 123.0  | 119.7  | 120.8  | 120.8  | 123.0  |
| 80°    | 139.0  | 129.4  | 119.7  | 111.2  | 102.6  | 96.2   | 94.1   | 90.9   | 88.7   | 87.7   | 87.7   |
| 82.5°  | 102.6  | 95.2   | 86.6   | 79.1   | 74.8   | 68.4   | 66.3   | 62.0   | 62.0   | 60.9   | 60.9   |
| 85°    | 68.4   | 64.2   | 55.6   | 50.3   | 47.0   | 43.8   | 41.7   | 39.6   | 36.4   | 36.4   | 35.3   |
| 87.5°  | 36.4   | 34.2   | 32.1   | 25.7   | 25.7   | 22.5   | 21.4   | 20.3   | 17.1   | 18.2   | 18.2   |
| 90°    | 31.7   | 30.2   | 28.6   | 27.1   | 25.5   | 23.5   | 21.4   | 19.4   | 17.3   | 16.3   | 14.9   |
| 92.5°  | 30.6   | 29.1   | 27.5   | 26.0   | 24.4   | 22.3   | 20.3   | 18.2   | 16.1   | 15.1   | 15.4   |
| 95°    | 31.7   | 30.2   | 28.6   | 27.1   | 25.5   | 25.3   | 25.0   | 24.8   | 24.5   | 24.4   | 28.8   |
| 97.5°  | 30.7   | 29.4   | 28.1   | 26.8   | 25.5   | 52.6   | 79.7   | 106.8  | 133.9  | 147.5  | 144.7  |
| 100°   | 33.6   | 38.0   | 42.3   | 46.7   | 51.1   | 86.7   | 122.3  | 157.9  | 193.5  | 211.3  | 209.0  |
| 102.5° | 62.7   | 120.8  | 178.8  | 236.9  | 294.9  | 291.8  | 288.7  | 285.6  | 282.5  | 281.0  | 279.5  |
| 105°   | 371.5  | 369.2  | 366.9  | 364.6  | 362.3  | 361.0  | 359.7  | 358.4  | 357.1  | 356.5  | 355.7  |
| 107.5° | 441.8  | 440.5  | 439.2  | 437.9  | 436.6  | 434.8  | 433.0  | 431.2  | 429.4  | 428.5  | 428.1  |
| 110°   | 514.1  | 513.6  | 513.1  | 512.6  | 512.1  | 510.5  | 509.0  | 507.4  | 505.9  | 505.1  | 504.7  |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 584.2  | 584.5  | 584.7  | 585.0  | 585.2  | 584.7  | 584.2  | 583.7  | 583.2  | 582.9  | 582.1  |
| 115°   | 656.9  | 656.4  | 655.9  | 655.4  | 654.9  | 655.1  | 655.4  | 655.6  | 655.9  | 656.0  | 655.6  |
| 117.5° | 728.1  | 728.4  | 728.7  | 728.9  | 729.2  | 728.4  | 727.6  | 726.9  | 726.1  | 725.7  | 725.2  |
| 120°   | 796.2  | 795.7  | 795.2  | 794.7  | 794.2  | 794.5  | 794.7  | 795.0  | 795.3  | 795.4  | 794.9  |
| 122.5° | 861.5  | 861.2  | 860.9  | 860.7  | 860.4  | 859.9  | 859.4  | 858.9  | 858.4  | 858.1  | 857.8  |
| 125°   | 922.7  | 921.9  | 921.2  | 920.4  | 919.6  | 920.1  | 920.6  | 921.1  | 921.6  | 921.9  | 921.4  |
| 127.5° | 982.4  | 982.7  | 983.0  | 983.2  | 983.5  | 982.2  | 980.9  | 979.6  | 978.3  | 977.7  | 977.6  |
| 130°   | 1039.1 | 1038.8 | 1038.6 | 1038.3 | 1038.1 | 1037.3 | 1036.5 | 1035.8 | 1035.0 | 1034.6 | 1034.5 |
| 132.5° | 1093.7 | 1093.4 | 1093.1 | 1092.9 | 1092.6 | 1091.6 | 1090.6 | 1089.5 | 1088.5 | 1088.0 | 1087.7 |
| 135°   | 1143.4 | 1142.9 | 1142.4 | 1141.9 | 1141.4 | 1140.4 | 1139.4 | 1138.3 | 1137.3 | 1136.8 | 1136.9 |
| 137.5° | 1192.2 | 1191.7 | 1191.2 | 1190.7 | 1190.2 | 1188.9 | 1187.6 | 1186.3 | 1185.0 | 1184.4 | 1184.4 |
| 140°   | 1237.4 | 1236.6 | 1235.9 | 1235.1 | 1234.3 | 1233.8 | 1233.3 | 1232.8 | 1232.3 | 1232.0 | 1231.7 |
| 142.5° | 1278.1 | 1277.6 | 1277.1 | 1276.6 | 1276.1 | 1275.8 | 1275.6 | 1275.3 | 1275.0 | 1274.9 | 1274.4 |
| 145°   | 1316.6 | 1316.3 | 1316.1 | 1315.8 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.6 | 1315.2 |
| 147.5° | 1351.5 | 1351.2 | 1350.9 | 1350.7 | 1350.4 | 1350.7 | 1350.9 | 1351.2 | 1351.5 | 1351.6 | 1350.8 |
| 150°   | 1384.1 | 1384.1 | 1384.1 | 1384.1 | 1384.1 | 1384.3 | 1384.6 | 1384.8 | 1385.1 | 1385.2 | 1384.7 |
| 152.5° | 1414.0 | 1413.5 | 1413.0 | 1412.4 | 1411.9 | 1412.4 | 1413.0 | 1413.5 | 1414.0 | 1414.3 | 1413.9 |
| 155°   | 1440.5 | 1439.4 | 1438.4 | 1437.3 | 1436.3 | 1437.1 | 1437.9 | 1438.6 | 1439.4 | 1439.8 | 1439.7 |
| 157.5° | 1463.6 | 1462.3 | 1461.0 | 1459.7 | 1458.4 | 1459.4 | 1460.4 | 1461.5 | 1462.5 | 1463.0 | 1463.0 |
| 160°   | 1485.5 | 1484.0 | 1482.4 | 1480.9 | 1479.3 | 1479.5 | 1479.8 | 1480.0 | 1480.3 | 1480.4 | 1480.8 |
| 162.5° | 1502.9 | 1501.4 | 1499.8 | 1498.3 | 1496.7 | 1497.0 | 1497.2 | 1497.5 | 1497.8 | 1497.9 | 1498.4 |
| 165°   | 1520.1 | 1518.0 | 1515.9 | 1513.9 | 1511.8 | 1511.8 | 1511.8 | 1511.8 | 1511.8 | 1511.8 | 1512.4 |
| 167.5° | 1532.7 | 1530.4 | 1528.1 | 1525.7 | 1523.4 | 1523.7 | 1523.9 | 1524.2 | 1524.5 | 1524.6 | 1525.2 |
| 170°   | 1543.3 | 1541.2 | 1539.1 | 1537.1 | 1535.0 | 1534.8 | 1534.5 | 1534.3 | 1534.0 | 1533.9 | 1534.7 |
| 172.5° | 1550.3 | 1548.2 | 1546.1 | 1544.1 | 1542.0 | 1541.7 | 1541.5 | 1541.2 | 1540.9 | 1540.8 | 1541.6 |
| 175°   | 1555.9 | 1553.6 | 1551.3 | 1548.9 | 1546.6 | 1546.4 | 1546.1 | 1545.9 | 1545.6 | 1545.5 | 1546.3 |
| 177.5° | 1558.4 | 1556.3 | 1554.2 | 1552.2 | 1550.1 | 1549.6 | 1549.1 | 1548.6 | 1548.1 | 1547.8 | 1548.7 |
| 180°   | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 | 1552.4 |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1290.5 | 1290.5 | 1290.5 | 1290.5 |
| 2.5°   | 1255.2 | 1265.9 | 1275.5 | 1290.5 |
| 5°     | 1227.4 | 1242.4 | 1262.7 | 1285.1 |
| 7.5°   | 1195.3 | 1218.9 | 1245.6 | 1276.6 |
| 10°    | 1165.4 | 1192.1 | 1226.3 | 1263.8 |
| 12.5°  | 1134.4 | 1166.5 | 1203.9 | 1244.5 |
| 15°    | 1099.1 | 1131.2 | 1172.9 | 1227.4 |
| 17.5°  | 1067.0 | 1105.5 | 1150.4 | 1208.2 |
| 20°    | 1029.6 | 1066.0 | 1115.1 | 1181.4 |
| 22.5°  | 996.5  | 1038.2 | 1092.7 | 1150.4 |
| 25°    | 960.1  | 996.5  | 1051.0 | 1120.5 |
| 27.5°  | 923.8  | 968.7  | 1021.1 | 1088.4 |
| 30°    | 888.5  | 925.9  | 982.6  | 1053.1 |
| 32.5°  | 850.0  | 894.9  | 947.3  | 1013.6 |
| 35°    | 808.3  | 851.1  | 900.2  | 971.9  |
| 37.5°  | 770.9  | 812.6  | 862.8  | 925.9  |
| 40°    | 729.2  | 773.0  | 819.0  | 882.1  |
| 42.5°  | 688.5  | 728.1  | 774.1  | 831.8  |
| 45°    | 649.0  | 683.2  | 724.9  | 775.1  |
| 47.5°  | 608.4  | 637.2  | 675.7  | 720.6  |
| 50°    | 564.5  | 595.5  | 624.4  | 661.8  |
| 52.5°  | 523.9  | 550.6  | 574.1  | 605.1  |
| 55°    | 484.3  | 502.5  | 521.8  | 545.3  |
| 57.5°  | 442.6  | 456.5  | 470.4  | 495.0  |
| 60°    | 400.9  | 413.8  | 421.3  | 437.3  |
| 62.5°  | 360.3  | 365.7  | 375.3  | 384.9  |
| 65°    | 315.4  | 322.9  | 328.2  | 340.0  |
| 67.5°  | 274.8  | 278.0  | 283.3  | 290.8  |
| 70°    | 232.0  | 239.5  | 241.6  | 247.0  |
| 72.5°  | 195.7  | 198.9  | 201.0  | 202.1  |
| 75°    | 155.0  | 158.2  | 160.4  | 166.8  |
| 77.5°  | 121.9  | 120.8  | 125.1  | 126.2  |
| 80°    | 89.8   | 86.6   | 87.7   | 91.9   |
| 82.5°  | 58.8   | 59.9   | 58.8   | 58.8   |
| 85°    | 36.4   | 35.3   | 33.1   | 34.2   |
| 87.5°  | 16.0   | 16.0   | 15.0   | 15.0   |
| 90°    | 12.0   | 9.2    | 6.3    | 3.5    |
| 92.5°  | 15.9   | 16.4   | 16.9   | 17.4   |
| 95°    | 37.6   | 46.3   | 55.1   | 63.9   |
| 97.5°  | 139.0  | 133.3  | 127.6  | 121.9  |
| 100°   | 204.3  | 199.7  | 195.0  | 190.4  |
| 102.5° | 276.4  | 273.3  | 270.2  | 267.1  |
| 105°   | 354.2  | 352.6  | 351.1  | 349.5  |
| 107.5° | 427.3  | 426.6  | 425.8  | 425.0  |
| 110°   | 503.9  | 503.2  | 502.4  | 501.6  |

TEST NUMBER: P1001767

CATALOG NUMBER: SA4XXDIP-B795D1205UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 580.6  | 579.0  | 577.5  | 575.9  |
| 115°   | 654.9  | 654.1  | 653.4  | 652.6  |
| 117.5° | 724.2  | 723.1  | 722.1  | 721.1  |
| 120°   | 793.8  | 792.8  | 791.7  | 790.7  |
| 122.5° | 857.3  | 856.8  | 856.3  | 855.8  |
| 125°   | 920.4  | 919.3  | 918.3  | 917.3  |
| 127.5° | 977.3  | 977.0  | 976.8  | 976.5  |
| 130°   | 1034.2 | 1033.9 | 1033.7 | 1033.4 |
| 132.5° | 1087.2 | 1086.7 | 1086.2 | 1085.7 |
| 135°   | 1137.2 | 1137.4 | 1137.7 | 1137.9 |
| 137.5° | 1184.4 | 1184.4 | 1184.4 | 1184.4 |
| 140°   | 1231.2 | 1230.7 | 1230.1 | 1229.6 |
| 142.5° | 1273.4 | 1272.3 | 1271.3 | 1270.3 |
| 145°   | 1314.4 | 1313.7 | 1312.9 | 1312.1 |
| 147.5° | 1349.3 | 1347.7 | 1346.2 | 1344.6 |
| 150°   | 1383.7 | 1382.6 | 1381.6 | 1380.6 |
| 152.5° | 1413.1 | 1412.4 | 1411.6 | 1410.8 |
| 155°   | 1439.4 | 1439.1 | 1438.9 | 1438.6 |
| 157.5° | 1463.0 | 1463.0 | 1463.0 | 1463.0 |
| 160°   | 1481.6 | 1482.3 | 1483.1 | 1483.9 |
| 162.5° | 1499.4 | 1500.5 | 1501.5 | 1502.5 |
| 165°   | 1513.7 | 1515.0 | 1516.3 | 1517.6 |
| 167.5° | 1526.5 | 1527.8 | 1529.1 | 1530.4 |
| 170°   | 1536.2 | 1537.7 | 1539.3 | 1540.8 |
| 172.5° | 1543.1 | 1544.7 | 1546.2 | 1547.8 |
| 175°   | 1547.8 | 1549.3 | 1550.9 | 1552.4 |
| 177.5° | 1550.5 | 1552.3 | 1554.1 | 1555.9 |
| 180°   | 1552.4 | 1552.4 | 1552.4 | 1552.4 |

(END OF REPORT)