

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: P1032999

Luminaire Tested: S124RDIW-B575D1340UB2750-4F0-XX-W2A-A1\_5000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1032999  
REPORT IS A COMBINATION OF REPORTS P1000529 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-B575D1340UB2750-4F0-XX-W2A-A1\_5000K  
Description: Define 4 Regressed Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015}  
{m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

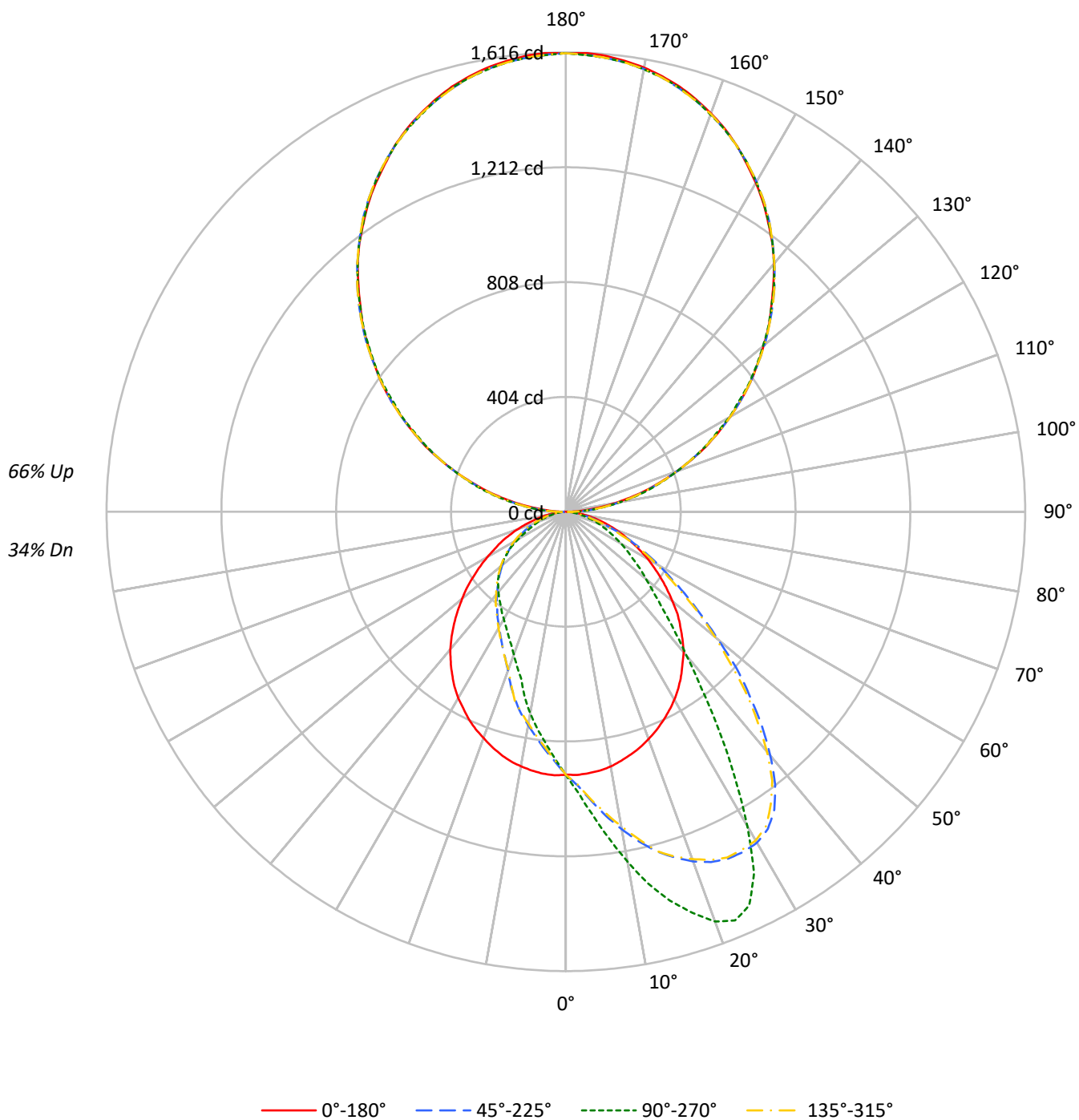
Lumens per Lamp: N/A  
Luminaire Lumens: 6817.0 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 66.1  
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: P1032999

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### Luminous Intensity Polar Plot



TEST NUMBER: P1032999

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 75 | 75 | 75 | 57 | 57 | 57 | 42 | 42 | 42 | 34 |    |    |
| 1   | 95  | 91  | 87  | 84  | 85 | 82 | 79 | 76 | 66 | 64 | 62 | 51 | 50 | 48 | 37 | 37 | 36 | 30 |    |    |
| 2   | 86  | 79  | 74  | 69  | 78 | 72 | 67 | 63 | 58 | 55 | 52 | 45 | 43 | 41 | 33 | 32 | 31 | 25 |    |    |
| 3   | 79  | 70  | 63  | 57  | 71 | 64 | 58 | 53 | 51 | 47 | 44 | 40 | 37 | 35 | 30 | 28 | 26 | 22 |    |    |
| 4   | 72  | 62  | 54  | 49  | 65 | 56 | 50 | 45 | 46 | 41 | 37 | 36 | 33 | 30 | 27 | 25 | 23 | 19 |    |    |
| 5   | 66  | 55  | 48  | 42  | 60 | 50 | 44 | 39 | 41 | 36 | 32 | 32 | 29 | 26 | 24 | 22 | 20 | 17 |    |    |
| 6   | 61  | 50  | 42  | 36  | 55 | 45 | 38 | 34 | 37 | 32 | 28 | 29 | 26 | 23 | 22 | 20 | 18 | 15 |    |    |
| 7   | 56  | 45  | 37  | 32  | 51 | 41 | 34 | 29 | 33 | 28 | 25 | 27 | 23 | 20 | 20 | 18 | 16 | 13 |    |    |
| 8   | 52  | 41  | 33  | 28  | 47 | 37 | 31 | 26 | 30 | 26 | 22 | 24 | 21 | 18 | 18 | 16 | 14 | 12 |    |    |
| 9   | 49  | 37  | 30  | 25  | 44 | 34 | 27 | 23 | 28 | 23 | 20 | 22 | 19 | 16 | 17 | 15 | 13 | 11 |    |    |
| 10  | 45  | 34  | 27  | 22  | 41 | 31 | 25 | 21 | 26 | 21 | 18 | 21 | 17 | 15 | 16 | 13 | 12 | 10 |    |    |

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

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 7542 | 7542  | 7542 | 7542 |
| 5°  | 7542 | 8522  | 7554 | 6513 |
| 10° | 7502 | 9824  | 7495 | 5665 |
| 15° | 7412 | 11056 | 7412 | 4743 |
| 20° | 7319 | 11988 | 7280 | 4177 |
| 25° | 7205 | 12039 | 7172 | 3772 |
| 30° | 7084 | 10237 | 7028 | 3494 |
| 35° | 6912 | 7724  | 6825 | 3287 |
| 40° | 6722 | 5598  | 6589 | 3125 |
| 45° | 6406 | 4254  | 6247 | 2982 |
| 50° | 6031 | 3438  | 5866 | 2772 |
| 55° | 5627 | 2847  | 5443 | 2493 |
| 60° | 5220 | 2408  | 4987 | 2073 |
| 65° | 4708 | 1961  | 4558 | 1648 |
| 70° | 4239 | 1590  | 4040 | 1337 |
| 75° | 3715 | 1146  | 3458 | 980  |
| 80° | 3064 | 760   | 2789 | 720  |
| 85° | 2227 | 390   | 1841 | 390  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 9442 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 89.6   | 1.3       |
| 10°-20°   | 270.5  | 4.0       |
| 20°-30°   | 423.6  | 6.2       |
| 30°-40°   | 470.4  | 6.9       |
| 40°-50°   | 416.9  | 6.1       |
| 50°-60°   | 324.9  | 4.8       |
| 60°-70°   | 212.5  | 3.1       |
| 70°-80°   | 104.3  | 1.5       |
| 80°-90°   | 28.8   | 0.4       |
| 90°-100°  | 105.1  | 1.5       |
| 100°-110° | 314.9  | 4.6       |
| 110°-120° | 535.0  | 7.8       |
| 120°-130° | 705.6  | 10.3      |
| 130°-140° | 792.5  | 11.6      |
| 140°-150° | 778.9  | 11.4      |
| 150°-160° | 655.1  | 9.6       |
| 160°-170° | 435.9  | 6.4       |
| 170°-180° | 152.6  | 2.2       |
| 0°-30°    | 783.6  | 11.5      |
| 0°-40°    | 1254.1 | 18.4      |
| 0°-60°    | 1995.8 | 29.3      |
| 0°-90°    | 2341.4 | 34.3      |
| 90°-120°  | 955.1  | 14.0      |
| 90°-150°  | 3232.0 | 47.4      |
| 90°-180°  | 4476.0 | 65.7      |
| 0°-180°   | 6817.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 925  | 925  | 925  | 925  | 925  |      |
| 5°   | 923  | 1069 | 925  | 817  | 923  | 88   |
| 15°  | 884  | 1416 | 884  | 607  | 884  | 249  |
| 25°  | 810  | 1527 | 806  | 478  | 810  | 373  |
| 35°  | 706  | 940  | 698  | 400  | 706  | 442  |
| 45°  | 569  | 481  | 555  | 337  | 569  | 439  |
| 55°  | 410  | 287  | 396  | 251  | 410  | 367  |
| 65°  | 257  | 168  | 249  | 141  | 257  | 256  |
| 75°  | 129  | 78   | 120  | 66   | 129  | 137  |
| 85°  | 31   | 19   | 25   | 19   | 31   | 34   |
| 90°  | 4    | 37   | 4    | 37   | 4    | 7    |
| 95°  | 75   | 99   | 75   | 99   | 75   | 81   |
| 105° | 291  | 304  | 291  | 304  | 291  | 308  |
| 115° | 544  | 539  | 544  | 539  | 544  | 536  |
| 125° | 792  | 786  | 792  | 786  | 792  | 706  |
| 135° | 1022 | 1023 | 1022 | 1023 | 1022 | 790  |
| 145° | 1241 | 1242 | 1241 | 1242 | 1241 | 777  |
| 155° | 1422 | 1421 | 1422 | 1421 | 1422 | 654  |
| 165° | 1548 | 1544 | 1548 | 1544 | 1548 | 437  |
| 175° | 1610 | 1603 | 1610 | 1603 | 1610 | 153  |
| 180° | 1613 | 1613 | 1613 | 1613 | 1613 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 924.9 | 924.9 | 924.9 | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  |
| 2.5°   | 926.4 | 934.6 | 939.0 | 942.8  | 950.2  | 953.2  | 959.2  | 960.7  | 966.6  | 965.9  | 963.6  |
| 5°     | 923.4 | 937.6 | 948.0 | 959.2  | 972.6  | 980.0  | 988.2  | 1000.2 | 1006.1 | 1014.3 | 1019.5 |
| 7.5°   | 918.2 | 937.6 | 954.7 | 971.8  | 993.4  | 1005.4 | 1015.8 | 1034.4 | 1050.1 | 1063.5 | 1078.4 |
| 10°    | 910.0 | 934.6 | 959.9 | 983.0  | 1012.8 | 1027.0 | 1042.6 | 1070.2 | 1091.8 | 1110.5 | 1134.3 |
| 12.5°  | 897.3 | 931.6 | 959.9 | 991.2  | 1029.2 | 1048.6 | 1069.5 | 1102.3 | 1127.6 | 1158.2 | 1188.0 |
| 15°    | 883.9 | 921.9 | 959.2 | 1000.2 | 1043.4 | 1065.7 | 1086.6 | 1130.6 | 1169.3 | 1204.4 | 1237.2 |
| 17.5°  | 869.0 | 910.7 | 951.7 | 997.2  | 1049.3 | 1076.9 | 1101.5 | 1154.4 | 1196.9 | 1242.4 | 1275.2 |
| 20°    | 851.1 | 896.6 | 943.5 | 994.2  | 1053.1 | 1083.6 | 1111.2 | 1171.6 | 1218.5 | 1267.7 | 1308.7 |
| 22.5°  | 831.7 | 880.9 | 932.3 | 987.5  | 1048.6 | 1082.1 | 1114.2 | 1179.0 | 1233.4 | 1278.9 | 1334.0 |
| 25°    | 810.1 | 862.3 | 915.2 | 973.3  | 1041.9 | 1078.4 | 1111.2 | 1175.3 | 1233.4 | 1293.0 | 1346.7 |
| 27.5°  | 787.8 | 841.4 | 896.6 | 957.7  | 1027.7 | 1063.5 | 1100.8 | 1162.6 | 1230.4 | 1295.3 | 1349.7 |
| 30°    | 763.2 | 815.3 | 873.5 | 931.6  | 1006.1 | 1041.9 | 1079.9 | 1147.0 | 1220.8 | 1285.6 | 1344.5 |
| 32.5°  | 736.3 | 790.0 | 845.1 | 905.5  | 978.5  | 1017.3 | 1052.3 | 1128.3 | 1203.6 | 1267.7 | 1322.9 |
| 35°    | 706.5 | 757.2 | 809.4 | 871.2  | 943.5  | 978.5  | 1020.3 | 1099.3 | 1175.3 | 1243.1 | 1278.9 |
| 37.5°  | 674.5 | 722.9 | 771.4 | 832.5  | 901.8  | 944.3  | 985.3  | 1065.0 | 1145.5 | 1190.9 | 1209.6 |
| 40°    | 644.7 | 687.1 | 729.6 | 788.5  | 858.6  | 902.5  | 944.3  | 1027.0 | 1097.8 | 1132.8 | 1118.7 |
| 42.5°  | 606.7 | 650.6 | 688.6 | 743.0  | 813.8  | 854.8  | 897.3  | 983.0  | 1040.4 | 1054.6 | 1019.5 |
| 45°    | 569.4 | 605.9 | 642.4 | 695.3  | 769.9  | 804.9  | 850.4  | 930.1  | 977.8  | 965.1  | 913.7  |
| 47.5°  | 532.9 | 562.7 | 597.0 | 648.4  | 715.5  | 757.2  | 799.7  | 869.0  | 902.5  | 884.6  | 813.1  |
| 50°    | 489.6 | 519.5 | 555.2 | 599.9  | 664.8  | 705.0  | 738.6  | 802.7  | 828.0  | 784.0  | 697.6  |
| 52.5°  | 448.7 | 474.7 | 505.3 | 547.0  | 608.9  | 645.4  | 681.9  | 737.1  | 745.3  | 694.6  | 603.7  |
| 55°    | 409.9 | 430.8 | 462.8 | 496.4  | 553.0  | 591.7  | 617.1  | 664.0  | 661.8  | 598.5  | 520.2  |
| 57.5°  | 369.7 | 389.0 | 410.6 | 445.7  | 499.3  | 528.4  | 556.0  | 597.0  | 575.4  | 521.7  | 444.2  |
| 60°    | 333.9 | 345.1 | 366.7 | 400.2  | 445.7  | 471.0  | 492.6  | 515.0  | 496.4  | 438.2  | 378.6  |
| 62.5°  | 294.4 | 307.1 | 322.7 | 349.5  | 389.8  | 413.6  | 429.3  | 439.0  | 419.6  | 374.9  | 320.5  |
| 65°    | 257.1 | 268.3 | 284.7 | 308.5  | 339.1  | 357.0  | 365.2  | 371.9  | 361.5  | 310.8  | 267.6  |
| 67.5°  | 223.6 | 231.0 | 245.9 | 261.6  | 294.4  | 298.9  | 310.0  | 313.0  | 292.1  | 253.4  | 219.1  |
| 70°    | 190.0 | 197.5 | 204.2 | 222.8  | 237.7  | 245.9  | 248.2  | 248.2  | 227.3  | 202.0  | 173.6  |
| 72.5°  | 158.7 | 163.2 | 169.9 | 182.6  | 190.8  | 196.8  | 199.7  | 196.0  | 176.6  | 155.8  | 134.9  |
| 75°    | 128.9 | 131.2 | 137.1 | 145.3  | 152.0  | 149.8  | 149.1  | 144.6  | 130.4  | 115.5  | 103.6  |
| 77.5°  | 99.1  | 100.6 | 107.3 | 109.6  | 109.6  | 111.8  | 108.8  | 104.3  | 92.4   | 81.2   | 76.0   |
| 80°    | 74.5  | 76.8  | 77.5  | 79.0   | 77.5   | 77.5   | 75.3   | 67.8   | 61.9   | 56.6   | 52.9   |
| 82.5°  | 51.4  | 52.9  | 53.7  | 51.4   | 52.9   | 50.7   | 47.0   | 41.7   | 38.0   | 37.3   | 35.8   |
| 85°    | 30.6  | 31.3  | 30.6  | 30.6   | 28.3   | 27.6   | 24.6   | 23.8   | 22.4   | 22.4   | 21.6   |
| 87.5°  | 14.9  | 14.2  | 12.7  | 11.2   | 11.2   | 10.4   | 11.2   | 9.7    | 11.2   | 10.4   | 9.7    |
| 90°    | 3.7   | 6.8   | 9.8   | 12.9   | 16.0   | 17.5   | 18.6   | 20.8   | 23.0   | 25.2   | 27.4   |
| 92.5°  | 32.4  | 36.0  | 39.6  | 43.3   | 46.9   | 48.7   | 49.4   | 50.8   | 52.1   | 53.5   | 54.9   |
| 95°    | 74.9  | 77.4  | 79.9  | 82.4   | 84.9   | 86.1   | 87.1   | 89.0   | 90.9   | 92.9   | 94.8   |
| 97.5°  | 119.8 | 122.0 | 124.2 | 126.4  | 128.6  | 129.7  | 130.8  | 133.0  | 135.3  | 137.5  | 139.7  |
| 100°   | 174.7 | 175.8 | 176.9 | 178.0  | 179.1  | 179.6  | 180.9  | 183.4  | 185.9  | 188.4  | 190.9  |
| 102.5° | 232.0 | 232.3 | 232.6 | 232.9  | 233.2  | 233.3  | 234.4  | 236.6  | 238.9  | 241.1  | 243.3  |
| 105°   | 290.7 | 291.0 | 291.2 | 291.5  | 291.8  | 291.9  | 292.5  | 293.6  | 294.7  | 295.8  | 296.9  |
| 107.5° | 351.8 | 352.1 | 352.3 | 352.6  | 352.9  | 353.0  | 353.1  | 353.4  | 353.7  | 354.0  | 354.3  |
| 110°   | 414.2 | 414.8 | 415.3 | 415.9  | 416.4  | 416.7  | 416.6  | 416.3  | 416.0  | 415.7  | 415.4  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 479.0  | 479.0  | 479.0  | 479.0  | 479.0  | 479.0  | 478.7  | 478.2  | 477.6  | 477.1  | 476.5  |
| 115°   | 543.9  | 543.9  | 543.9  | 543.9  | 543.9  | 543.9  | 543.6  | 543.1  | 542.5  | 542.0  | 541.4  |
| 117.5° | 605.0  | 605.0  | 605.0  | 605.0  | 605.0  | 605.0  | 604.9  | 604.6  | 604.3  | 604.1  | 603.8  |
| 120°   | 666.2  | 667.3  | 668.4  | 669.5  | 670.6  | 671.2  | 670.8  | 669.9  | 669.1  | 668.2  | 667.4  |
| 122.5° | 729.8  | 730.1  | 730.3  | 730.6  | 730.9  | 731.0  | 730.9  | 730.6  | 730.3  | 730.1  | 729.8  |
| 125°   | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.1  | 791.8  | 791.5  | 791.2  | 790.9  |
| 127.5° | 848.3  | 849.1  | 849.9  | 850.8  | 851.6  | 852.0  | 851.7  | 851.2  | 850.7  | 850.1  | 849.6  |
| 130°   | 908.2  | 909.0  | 909.8  | 910.7  | 911.5  | 911.9  | 911.9  | 911.9  | 911.9  | 911.9  | 911.9  |
| 132.5° | 969.3  | 969.9  | 970.4  | 971.0  | 971.5  | 971.8  | 971.7  | 971.4  | 971.1  | 970.9  | 970.6  |
| 135°   | 1021.7 | 1023.4 | 1025.0 | 1026.7 | 1028.4 | 1029.2 | 1029.2 | 1029.2 | 1029.2 | 1029.2 | 1029.2 |
| 137.5° | 1080.3 | 1081.1 | 1082.0 | 1082.8 | 1083.7 | 1084.1 | 1084.4 | 1084.9 | 1085.5 | 1086.0 | 1086.6 |
| 140°   | 1139.0 | 1139.6 | 1140.1 | 1140.7 | 1141.2 | 1141.5 | 1141.5 | 1141.5 | 1141.5 | 1141.5 | 1141.5 |
| 142.5° | 1192.6 | 1193.2 | 1193.7 | 1194.3 | 1194.8 | 1195.1 | 1195.0 | 1194.7 | 1194.4 | 1194.2 | 1193.9 |
| 145°   | 1241.3 | 1242.4 | 1243.5 | 1244.6 | 1245.7 | 1246.3 | 1246.4 | 1246.7 | 1247.0 | 1247.2 | 1247.5 |
| 147.5° | 1291.2 | 1292.6 | 1294.0 | 1295.3 | 1296.7 | 1297.4 | 1297.3 | 1297.0 | 1296.7 | 1296.5 | 1296.2 |
| 150°   | 1336.1 | 1337.2 | 1338.3 | 1339.4 | 1340.5 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 |
| 152.5° | 1378.5 | 1379.1 | 1379.6 | 1380.2 | 1380.7 | 1381.0 | 1381.1 | 1381.4 | 1381.7 | 1381.9 | 1382.2 |
| 155°   | 1422.2 | 1422.2 | 1422.2 | 1422.2 | 1422.2 | 1422.2 | 1422.1 | 1421.8 | 1421.5 | 1421.2 | 1420.9 |
| 157.5° | 1459.6 | 1459.0 | 1458.5 | 1457.9 | 1457.4 | 1457.1 | 1457.1 | 1457.1 | 1457.1 | 1457.1 | 1457.1 |
| 160°   | 1492.0 | 1491.7 | 1491.5 | 1491.2 | 1490.9 | 1490.8 | 1490.7 | 1490.4 | 1490.1 | 1489.8 | 1489.5 |
| 162.5° | 1522.0 | 1521.2 | 1520.3 | 1519.5 | 1518.6 | 1518.2 | 1518.1 | 1517.8 | 1517.5 | 1517.3 | 1517.0 |
| 165°   | 1548.2 | 1547.4 | 1546.5 | 1545.7 | 1544.8 | 1544.4 | 1544.1 | 1543.6 | 1543.0 | 1542.5 | 1541.9 |
| 167.5° | 1569.4 | 1568.3 | 1567.2 | 1566.1 | 1565.0 | 1564.4 | 1564.4 | 1564.4 | 1564.4 | 1564.4 | 1564.4 |
| 170°   | 1586.8 | 1585.4 | 1584.0 | 1582.7 | 1581.3 | 1580.6 | 1580.7 | 1581.0 | 1581.3 | 1581.5 | 1581.8 |
| 172.5° | 1599.3 | 1598.2 | 1597.1 | 1596.0 | 1594.9 | 1594.3 | 1594.3 | 1594.3 | 1594.3 | 1594.3 | 1594.3 |
| 175°   | 1610.5 | 1609.1 | 1607.7 | 1606.4 | 1605.0 | 1604.3 | 1604.2 | 1603.9 | 1603.6 | 1603.3 | 1603.0 |
| 177.5° | 1615.5 | 1614.1 | 1612.7 | 1611.4 | 1610.0 | 1609.3 | 1609.3 | 1609.3 | 1609.3 | 1609.3 | 1609.3 |
| 180°   | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 |

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CATALOG NUMBER: S124RDIW-B575D1340UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  |
| 2.5°   | 969.6  | 977.8  | 978.5  | 986.0  | 983.8  | 980.0  | 986.7  | 982.3  | 991.2  | 988.2  | 992.0  |
| 5°     | 1026.2 | 1037.4 | 1047.1 | 1053.1 | 1063.5 | 1061.3 | 1072.4 | 1068.7 | 1076.9 | 1068.7 | 1079.2 |
| 7.5°   | 1092.6 | 1111.2 | 1120.9 | 1136.5 | 1141.0 | 1141.8 | 1155.2 | 1158.2 | 1163.4 | 1158.2 | 1164.1 |
| 10°    | 1157.4 | 1179.8 | 1202.1 | 1214.8 | 1223.0 | 1234.2 | 1246.1 | 1251.3 | 1255.0 | 1249.8 | 1253.6 |
| 12.5°  | 1216.3 | 1251.3 | 1275.9 | 1301.2 | 1307.2 | 1316.9 | 1329.6 | 1328.1 | 1343.0 | 1340.0 | 1346.7 |
| 15°    | 1270.7 | 1309.4 | 1339.3 | 1359.4 | 1375.8 | 1384.0 | 1407.8 | 1409.3 | 1408.6 | 1416.0 | 1411.5 |
| 17.5°  | 1319.1 | 1351.9 | 1394.4 | 1420.5 | 1440.6 | 1440.6 | 1454.0 | 1481.6 | 1479.4 | 1478.6 | 1483.1 |
| 20°    | 1358.6 | 1395.9 | 1435.4 | 1479.4 | 1495.8 | 1498.7 | 1517.4 | 1531.5 | 1533.8 | 1533.8 | 1533.8 |
| 22.5°  | 1388.4 | 1432.4 | 1474.9 | 1506.2 | 1518.9 | 1529.3 | 1545.7 | 1554.6 | 1557.6 | 1556.1 | 1557.6 |
| 25°    | 1403.4 | 1445.1 | 1488.3 | 1516.6 | 1524.1 | 1530.0 | 1531.5 | 1536.8 | 1536.0 | 1527.1 | 1532.3 |
| 27.5°  | 1406.3 | 1446.6 | 1474.9 | 1482.3 | 1478.6 | 1474.9 | 1451.0 | 1453.3 | 1446.6 | 1433.2 | 1438.4 |
| 30°    | 1392.9 | 1414.5 | 1413.8 | 1390.7 | 1384.0 | 1368.3 | 1346.7 | 1314.7 | 1288.6 | 1277.4 | 1281.1 |
| 32.5°  | 1344.5 | 1344.5 | 1317.6 | 1265.5 | 1242.4 | 1214.1 | 1175.3 | 1146.2 | 1111.9 | 1104.5 | 1118.7 |
| 35°    | 1277.4 | 1239.4 | 1190.2 | 1121.6 | 1086.6 | 1065.7 | 998.7  | 977.8  | 948.7  | 940.5  | 947.2  |
| 37.5°  | 1173.1 | 1109.7 | 1038.2 | 974.1  | 944.3  | 907.0  | 848.1  | 818.3  | 797.4  | 783.3  | 790.0  |
| 40°    | 1056.1 | 979.3  | 904.8  | 825.8  | 793.0  | 762.4  | 718.4  | 691.6  | 658.1  | 659.6  | 661.8  |
| 42.5°  | 944.3  | 854.1  | 770.6  | 697.6  | 666.3  | 640.9  | 610.4  | 577.6  | 565.7  | 561.9  | 558.2  |
| 45°    | 825.8  | 729.6  | 651.4  | 597.0  | 568.6  | 544.8  | 516.5  | 497.8  | 483.7  | 480.7  | 484.4  |
| 47.5°  | 714.0  | 632.7  | 558.2  | 507.5  | 484.4  | 472.5  | 450.1  | 433.0  | 424.1  | 416.6  | 421.1  |
| 50°    | 612.6  | 536.6  | 477.0  | 434.5  | 418.1  | 409.9  | 389.0  | 380.1  | 371.1  | 368.9  | 368.2  |
| 52.5°  | 529.1  | 464.3  | 412.9  | 378.6  | 365.9  | 361.5  | 345.8  | 333.1  | 325.7  | 327.9  | 329.4  |
| 55°    | 453.1  | 398.0  | 357.7  | 330.2  | 319.7  | 314.5  | 303.3  | 294.4  | 289.2  | 286.9  | 288.4  |
| 57.5°  | 386.1  | 338.4  | 309.3  | 286.9  | 278.7  | 276.5  | 264.6  | 261.6  | 257.9  | 255.6  | 255.6  |
| 60°    | 324.9  | 291.4  | 264.6  | 251.9  | 243.0  | 240.7  | 231.8  | 228.1  | 227.3  | 225.1  | 223.6  |
| 62.5°  | 273.5  | 245.9  | 227.3  | 213.9  | 210.2  | 209.4  | 203.5  | 199.0  | 196.8  | 195.3  | 195.3  |
| 65°    | 228.8  | 208.7  | 193.0  | 183.3  | 180.4  | 178.9  | 172.2  | 170.7  | 169.2  | 167.7  | 166.9  |
| 67.5°  | 190.8  | 172.9  | 161.7  | 155.0  | 151.3  | 152.0  | 148.3  | 145.3  | 145.3  | 144.6  | 143.8  |
| 70°    | 154.3  | 143.1  | 133.4  | 129.7  | 128.2  | 126.7  | 125.2  | 123.0  | 122.2  | 122.2  | 122.2  |
| 72.5°  | 121.5  | 114.0  | 108.8  | 106.6  | 105.1  | 103.6  | 102.1  | 102.1  | 102.1  | 101.4  | 101.4  |
| 75°    | 93.2   | 90.2   | 86.5   | 84.2   | 84.2   | 85.7   | 83.5   | 81.2   | 79.0   | 77.5   | 78.3   |
| 77.5°  | 70.1   | 68.6   | 66.3   | 62.6   | 63.3   | 61.9   | 61.9   | 60.4   | 61.1   | 61.1   | 59.6   |
| 80°    | 51.4   | 49.2   | 48.4   | 46.2   | 47.0   | 46.2   | 45.5   | 45.5   | 44.0   | 44.0   | 44.0   |
| 82.5°  | 35.8   | 33.5   | 33.5   | 32.8   | 32.0   | 32.0   | 31.3   | 31.3   | 32.0   | 30.6   | 30.6   |
| 85°    | 21.6   | 20.9   | 20.9   | 19.4   | 19.4   | 19.4   | 19.4   | 20.1   | 19.4   | 18.6   | 18.6   |
| 87.5°  | 9.7    | 10.4   | 9.7    | 8.9    | 8.9    | 8.9    | 8.2    | 8.2    | 7.5    | 8.2    | 8.2    |
| 90°    | 29.1   | 30.7   | 32.4   | 34.1   | 34.9   | 35.2   | 35.7   | 36.3   | 36.8   | 37.4   | 36.8   |
| 92.5°  | 55.7   | 56.5   | 57.4   | 58.2   | 58.6   | 58.7   | 59.0   | 59.3   | 59.6   | 59.9   | 59.6   |
| 95°    | 95.6   | 96.5   | 97.3   | 98.2   | 98.6   | 98.6   | 98.6   | 98.6   | 98.6   | 98.6   | 98.6   |
| 97.5°  | 140.8  | 141.9  | 143.0  | 144.1  | 144.7  | 144.7  | 144.7  | 144.7  | 144.7  | 144.7  | 144.7  |
| 100°   | 191.5  | 192.0  | 192.6  | 193.1  | 193.4  | 193.4  | 193.4  | 193.4  | 193.4  | 193.4  | 193.4  |
| 102.5° | 244.1  | 244.9  | 245.8  | 246.6  | 247.0  | 247.1  | 247.4  | 247.7  | 248.0  | 248.3  | 248.0  |
| 105°   | 297.7  | 298.5  | 299.4  | 300.2  | 300.6  | 301.0  | 301.9  | 302.7  | 303.6  | 304.4  | 303.6  |
| 107.5° | 355.4  | 356.5  | 357.6  | 358.7  | 359.3  | 359.2  | 358.9  | 358.6  | 358.3  | 358.0  | 358.3  |
| 110°   | 414.8  | 414.3  | 413.7  | 413.2  | 412.9  | 413.3  | 414.2  | 415.0  | 415.9  | 416.7  | 415.9  |

TEST NUMBER: P1032999

CATALOG NUMBER: S124RDIW-B575D1340UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  |
| 115°   | 541.1  | 540.9  | 540.6  | 540.3  | 540.2  | 540.1  | 539.8  | 539.5  | 539.2  | 538.9  | 539.2  |
| 117.5° | 603.0  | 602.2  | 601.3  | 600.5  | 600.1  | 599.7  | 598.8  | 598.0  | 597.1  | 596.3  | 597.1  |
| 120°   | 666.0  | 664.6  | 663.3  | 661.9  | 661.2  | 661.5  | 662.0  | 662.6  | 663.1  | 663.7  | 663.1  |
| 122.5° | 729.0  | 728.1  | 727.3  | 726.4  | 726.0  | 725.3  | 723.9  | 722.6  | 721.2  | 719.8  | 721.2  |
| 125°   | 790.3  | 789.8  | 789.2  | 788.7  | 788.4  | 788.1  | 787.6  | 787.0  | 786.5  | 785.9  | 786.5  |
| 127.5° | 849.0  | 848.5  | 847.9  | 847.4  | 847.1  | 847.0  | 846.7  | 846.4  | 846.1  | 845.8  | 846.1  |
| 130°   | 911.3  | 910.8  | 910.2  | 909.7  | 909.4  | 908.8  | 907.7  | 906.6  | 905.5  | 904.4  | 905.5  |
| 132.5° | 970.0  | 969.5  | 968.9  | 968.4  | 968.1  | 968.0  | 967.7  | 967.4  | 967.1  | 966.8  | 967.1  |
| 135°   | 1028.6 | 1028.1 | 1027.5 | 1027.0 | 1026.7 | 1026.3 | 1025.5 | 1024.6 | 1023.8 | 1023.0 | 1023.8 |
| 137.5° | 1085.8 | 1084.9 | 1084.1 | 1083.2 | 1082.8 | 1082.9 | 1083.2 | 1083.5 | 1083.8 | 1084.1 | 1083.8 |
| 140°   | 1141.2 | 1140.9 | 1140.6 | 1140.3 | 1140.2 | 1140.1 | 1139.8 | 1139.5 | 1139.3 | 1139.0 | 1139.3 |
| 142.5° | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 |
| 145°   | 1247.2 | 1247.0 | 1246.7 | 1246.4 | 1246.3 | 1245.9 | 1245.0 | 1244.2 | 1243.3 | 1242.5 | 1243.3 |
| 147.5° | 1295.9 | 1295.6 | 1295.3 | 1295.0 | 1294.9 | 1294.8 | 1294.5 | 1294.2 | 1294.0 | 1293.7 | 1294.0 |
| 150°   | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.0 | 1340.7 | 1340.4 | 1340.1 | 1339.8 | 1340.1 |
| 152.5° | 1383.0 | 1383.9 | 1384.7 | 1385.6 | 1386.0 | 1385.6 | 1384.7 | 1383.9 | 1383.0 | 1382.2 | 1383.0 |
| 155°   | 1422.0 | 1423.1 | 1424.2 | 1425.3 | 1425.9 | 1425.3 | 1424.2 | 1423.1 | 1422.0 | 1420.9 | 1422.0 |
| 157.5° | 1457.9 | 1458.7 | 1459.6 | 1460.4 | 1460.8 | 1460.4 | 1459.6 | 1458.7 | 1457.9 | 1457.1 | 1457.9 |
| 160°   | 1490.3 | 1491.2 | 1492.0 | 1492.9 | 1493.3 | 1492.6 | 1491.2 | 1489.8 | 1488.4 | 1487.0 | 1488.4 |
| 162.5° | 1518.7 | 1520.3 | 1522.0 | 1523.7 | 1524.5 | 1523.8 | 1522.4 | 1521.0 | 1519.6 | 1518.2 | 1519.6 |
| 165°   | 1543.6 | 1545.2 | 1546.9 | 1548.6 | 1549.4 | 1548.8 | 1547.7 | 1546.6 | 1545.5 | 1544.4 | 1545.5 |
| 167.5° | 1566.1 | 1567.7 | 1569.4 | 1571.1 | 1571.9 | 1571.1 | 1569.4 | 1567.7 | 1566.1 | 1564.4 | 1566.1 |
| 170°   | 1583.5 | 1585.1 | 1586.8 | 1588.5 | 1589.3 | 1588.3 | 1586.4 | 1584.5 | 1582.5 | 1580.6 | 1582.5 |
| 172.5° | 1596.2 | 1598.2 | 1600.1 | 1602.0 | 1603.0 | 1602.0 | 1600.1 | 1598.2 | 1596.2 | 1594.3 | 1596.2 |
| 175°   | 1605.0 | 1606.9 | 1608.9 | 1610.8 | 1611.8 | 1610.8 | 1608.9 | 1606.9 | 1605.0 | 1603.0 | 1605.0 |
| 177.5° | 1611.2 | 1613.2 | 1615.1 | 1617.0 | 1618.0 | 1616.9 | 1614.7 | 1612.4 | 1610.2 | 1608.0 | 1610.2 |
| 180°   | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 |

TEST NUMBER: P1032999

CATALOG NUMBER: S124RDIW-B575D1340UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  | 924.9  |
| 2.5°   | 994.2  | 989.0  | 988.2  | 988.2  | 980.0  | 984.5  | 975.6  | 965.9  | 961.4  | 961.4  | 953.2  |
| 5°     | 1076.9 | 1071.7 | 1066.5 | 1058.3 | 1058.3 | 1053.8 | 1039.7 | 1025.5 | 1015.1 | 1006.1 | 996.4  |
| 7.5°   | 1161.9 | 1156.7 | 1141.8 | 1133.6 | 1138.0 | 1129.1 | 1110.5 | 1086.6 | 1068.7 | 1054.6 | 1034.4 |
| 10°    | 1254.3 | 1240.1 | 1232.7 | 1228.2 | 1212.6 | 1202.9 | 1181.3 | 1146.2 | 1123.9 | 1105.2 | 1079.2 |
| 12.5°  | 1329.6 | 1334.0 | 1305.7 | 1308.0 | 1292.3 | 1278.9 | 1245.4 | 1211.8 | 1178.3 | 1152.2 | 1113.4 |
| 15°    | 1410.8 | 1397.4 | 1380.2 | 1366.8 | 1361.6 | 1345.2 | 1316.9 | 1272.2 | 1235.7 | 1194.7 | 1150.7 |
| 17.5°  | 1474.9 | 1464.5 | 1448.1 | 1435.4 | 1424.2 | 1384.7 | 1360.9 | 1321.4 | 1271.4 | 1231.2 | 1177.5 |
| 20°    | 1529.3 | 1519.6 | 1496.5 | 1488.3 | 1468.2 | 1439.9 | 1405.6 | 1344.5 | 1299.8 | 1255.8 | 1203.6 |
| 22.5°  | 1552.4 | 1542.7 | 1522.6 | 1512.2 | 1499.5 | 1471.9 | 1439.1 | 1381.0 | 1325.8 | 1270.7 | 1215.5 |
| 25°    | 1533.0 | 1533.0 | 1523.3 | 1519.6 | 1508.4 | 1483.8 | 1450.3 | 1401.1 | 1342.2 | 1282.6 | 1217.0 |
| 27.5°  | 1439.1 | 1457.8 | 1464.5 | 1468.2 | 1468.2 | 1468.9 | 1445.8 | 1398.1 | 1340.7 | 1282.6 | 1214.1 |
| 30°    | 1303.5 | 1334.8 | 1362.4 | 1370.6 | 1384.7 | 1400.4 | 1410.1 | 1387.0 | 1335.5 | 1274.4 | 1205.9 |
| 32.5°  | 1132.8 | 1173.1 | 1224.5 | 1237.2 | 1256.5 | 1303.5 | 1329.6 | 1339.3 | 1310.9 | 1257.3 | 1184.2 |
| 35°    | 962.9  | 1013.6 | 1044.9 | 1083.6 | 1101.5 | 1170.8 | 1229.0 | 1264.0 | 1257.3 | 1225.2 | 1158.9 |
| 37.5°  | 814.6  | 843.6  | 881.7  | 922.6  | 958.4  | 1024.8 | 1097.0 | 1164.9 | 1192.4 | 1176.8 | 1126.9 |
| 40°    | 672.2  | 706.5  | 752.0  | 785.5  | 810.1  | 876.4  | 965.9  | 1039.7 | 1100.0 | 1109.7 | 1079.2 |
| 42.5°  | 571.6  | 605.9  | 633.5  | 670.0  | 689.4  | 753.5  | 832.5  | 924.9  | 996.4  | 1034.4 | 1021.0 |
| 45°    | 494.1  | 515.0  | 537.3  | 558.2  | 582.1  | 638.7  | 711.7  | 813.1  | 893.6  | 947.2  | 952.5  |
| 47.5°  | 426.3  | 444.9  | 464.3  | 483.7  | 497.1  | 541.1  | 608.1  | 690.9  | 778.8  | 852.6  | 881.7  |
| 50°    | 378.6  | 387.5  | 401.7  | 412.9  | 428.5  | 466.5  | 520.2  | 591.7  | 684.9  | 764.7  | 802.7  |
| 52.5°  | 331.6  | 342.8  | 354.0  | 363.7  | 374.1  | 401.0  | 450.1  | 512.0  | 592.5  | 674.5  | 721.4  |
| 55°    | 292.1  | 301.1  | 311.5  | 318.2  | 324.2  | 348.0  | 385.3  | 433.0  | 502.3  | 579.8  | 638.0  |
| 57.5°  | 260.1  | 263.8  | 272.8  | 276.5  | 283.2  | 302.6  | 329.4  | 371.9  | 427.8  | 503.1  | 550.8  |
| 60°    | 225.1  | 232.5  | 239.2  | 242.2  | 247.4  | 260.8  | 279.5  | 319.0  | 367.4  | 422.6  | 477.0  |
| 62.5°  | 196.8  | 199.7  | 205.0  | 208.7  | 212.4  | 226.6  | 242.2  | 272.0  | 308.5  | 354.8  | 404.7  |
| 65°    | 170.7  | 172.2  | 175.1  | 180.4  | 182.6  | 193.0  | 202.0  | 223.6  | 257.9  | 292.9  | 342.8  |
| 67.5°  | 143.8  | 145.3  | 149.1  | 152.0  | 154.3  | 161.0  | 170.7  | 186.3  | 205.0  | 243.7  | 271.3  |
| 70°    | 123.0  | 123.0  | 125.2  | 126.7  | 128.9  | 131.9  | 137.1  | 149.1  | 166.2  | 190.8  | 216.1  |
| 72.5°  | 102.8  | 102.8  | 102.8  | 105.1  | 105.1  | 107.3  | 110.3  | 118.5  | 130.4  | 149.8  | 166.2  |
| 75°    | 79.7   | 80.5   | 82.0   | 82.0   | 82.7   | 85.7   | 87.9   | 90.2   | 96.1   | 108.8  | 123.7  |
| 77.5°  | 60.4   | 61.9   | 62.6   | 61.1   | 62.6   | 62.6   | 65.6   | 68.6   | 71.5   | 75.3   | 86.5   |
| 80°    | 44.7   | 45.5   | 44.0   | 44.7   | 44.7   | 46.2   | 47.7   | 47.0   | 48.4   | 52.9   | 55.9   |
| 82.5°  | 29.8   | 30.6   | 30.6   | 30.6   | 30.6   | 32.8   | 32.8   | 32.0   | 32.8   | 33.5   | 34.3   |
| 85°    | 18.6   | 17.9   | 17.9   | 18.6   | 17.9   | 17.9   | 18.6   | 19.4   | 18.6   | 19.4   | 20.1   |
| 87.5°  | 8.2    | 8.2    | 8.2    | 8.2    | 7.5    | 7.5    | 8.2    | 7.5    | 8.2    | 7.5    | 6.7    |
| 90°    | 36.3   | 35.7   | 35.2   | 34.9   | 34.1   | 32.4   | 30.7   | 29.1   | 27.4   | 25.2   | 23.0   |
| 92.5°  | 59.3   | 59.0   | 58.7   | 58.6   | 58.2   | 57.4   | 56.5   | 55.7   | 54.9   | 53.5   | 52.1   |
| 95°    | 98.6   | 98.6   | 98.6   | 98.6   | 98.2   | 97.3   | 96.5   | 95.6   | 94.8   | 92.9   | 90.9   |
| 97.5°  | 144.7  | 144.7  | 144.7  | 144.7  | 144.1  | 143.0  | 141.9  | 140.8  | 139.7  | 137.5  | 135.3  |
| 100°   | 193.4  | 193.4  | 193.4  | 193.4  | 193.1  | 192.6  | 192.0  | 191.5  | 190.9  | 188.4  | 185.9  |
| 102.5° | 247.7  | 247.4  | 247.1  | 247.0  | 246.6  | 245.8  | 244.9  | 244.1  | 243.3  | 241.1  | 238.9  |
| 105°   | 302.7  | 301.9  | 301.0  | 300.6  | 300.2  | 299.4  | 298.5  | 297.7  | 296.9  | 295.8  | 294.7  |
| 107.5° | 358.6  | 358.9  | 359.2  | 359.3  | 358.7  | 357.6  | 356.5  | 355.4  | 354.3  | 354.0  | 353.7  |
| 110°   | 415.0  | 414.2  | 413.3  | 412.9  | 413.2  | 413.7  | 414.3  | 414.8  | 415.4  | 415.7  | 416.0  |

TEST NUMBER: P1032999

CATALOG NUMBER: S124RDIW-B575D1340UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 477.1  | 477.6  |
| 115°   | 539.5  | 539.8  | 540.1  | 540.2  | 540.3  | 540.6  | 540.9  | 541.1  | 541.4  | 542.0  | 542.5  |
| 117.5° | 598.0  | 598.8  | 599.7  | 600.1  | 600.5  | 601.3  | 602.2  | 603.0  | 603.8  | 604.1  | 604.3  |
| 120°   | 662.6  | 662.0  | 661.5  | 661.2  | 661.9  | 663.3  | 664.6  | 666.0  | 667.4  | 668.2  | 669.1  |
| 122.5° | 722.6  | 723.9  | 725.3  | 726.0  | 726.4  | 727.3  | 728.1  | 729.0  | 729.8  | 730.1  | 730.3  |
| 125°   | 787.0  | 787.6  | 788.1  | 788.4  | 788.7  | 789.2  | 789.8  | 790.3  | 790.9  | 791.2  | 791.5  |
| 127.5° | 846.4  | 846.7  | 847.0  | 847.1  | 847.4  | 847.9  | 848.5  | 849.0  | 849.6  | 850.1  | 850.7  |
| 130°   | 906.6  | 907.7  | 908.8  | 909.4  | 909.7  | 910.2  | 910.8  | 911.3  | 911.9  | 911.9  | 911.9  |
| 132.5° | 967.4  | 967.7  | 968.0  | 968.1  | 968.4  | 968.9  | 969.5  | 970.0  | 970.6  | 970.9  | 971.1  |
| 135°   | 1024.6 | 1025.5 | 1026.3 | 1026.7 | 1027.0 | 1027.5 | 1028.1 | 1028.6 | 1029.2 | 1029.2 | 1029.2 |
| 137.5° | 1083.5 | 1083.2 | 1082.9 | 1082.8 | 1083.2 | 1084.1 | 1084.9 | 1085.8 | 1086.6 | 1086.0 | 1085.5 |
| 140°   | 1139.5 | 1139.8 | 1140.1 | 1140.2 | 1140.3 | 1140.6 | 1140.9 | 1141.2 | 1141.5 | 1141.5 | 1141.5 |
| 142.5° | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1194.2 | 1194.4 |
| 145°   | 1244.2 | 1245.0 | 1245.9 | 1246.3 | 1246.4 | 1246.7 | 1247.0 | 1247.2 | 1247.5 | 1247.2 | 1247.0 |
| 147.5° | 1294.2 | 1294.5 | 1294.8 | 1294.9 | 1295.0 | 1295.3 | 1295.6 | 1295.9 | 1296.2 | 1296.5 | 1296.7 |
| 150°   | 1340.4 | 1340.7 | 1341.0 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 |
| 152.5° | 1383.9 | 1384.7 | 1385.6 | 1386.0 | 1385.6 | 1384.7 | 1383.9 | 1383.0 | 1382.2 | 1381.9 | 1381.7 |
| 155°   | 1423.1 | 1424.2 | 1425.3 | 1425.9 | 1425.3 | 1424.2 | 1423.1 | 1422.0 | 1420.9 | 1421.2 | 1421.5 |
| 157.5° | 1458.7 | 1459.6 | 1460.4 | 1460.8 | 1460.4 | 1459.6 | 1458.7 | 1457.9 | 1457.1 | 1457.1 | 1457.1 |
| 160°   | 1489.8 | 1491.2 | 1492.6 | 1493.3 | 1492.9 | 1492.0 | 1491.2 | 1490.3 | 1489.5 | 1489.8 | 1490.1 |
| 162.5° | 1521.0 | 1522.4 | 1523.8 | 1524.5 | 1523.7 | 1522.0 | 1520.3 | 1518.7 | 1517.0 | 1517.3 | 1517.5 |
| 165°   | 1546.6 | 1547.7 | 1548.8 | 1549.4 | 1548.6 | 1546.9 | 1545.2 | 1543.6 | 1541.9 | 1542.5 | 1543.0 |
| 167.5° | 1567.7 | 1569.4 | 1571.1 | 1571.9 | 1571.1 | 1569.4 | 1567.7 | 1566.1 | 1564.4 | 1564.4 | 1564.4 |
| 170°   | 1584.5 | 1586.4 | 1588.3 | 1589.3 | 1588.5 | 1586.8 | 1585.1 | 1583.5 | 1581.8 | 1581.5 | 1581.3 |
| 172.5° | 1598.2 | 1600.1 | 1602.0 | 1603.0 | 1602.0 | 1600.1 | 1598.2 | 1596.2 | 1594.3 | 1594.3 | 1594.3 |
| 175°   | 1606.9 | 1608.9 | 1610.8 | 1611.8 | 1610.8 | 1608.9 | 1606.9 | 1605.0 | 1603.0 | 1603.3 | 1603.6 |
| 177.5° | 1612.4 | 1614.7 | 1616.9 | 1618.0 | 1617.0 | 1615.1 | 1613.2 | 1611.2 | 1609.3 | 1609.3 | 1609.3 |
| 180°   | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 |

TEST NUMBER: P1032999

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 924.9  | 924.9  | 924.9  | 924.9  | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 |
| 2.5°   | 948.7  | 945.0  | 942.8  | 942.0  | 935.3 | 931.6 | 929.4 | 927.9 | 925.6 | 919.7 | 914.5 |
| 5°     | 984.5  | 974.1  | 968.9  | 962.9  | 952.5 | 940.5 | 930.8 | 924.9 | 917.4 | 905.5 | 894.3 |
| 7.5°   | 1018.0 | 1002.4 | 992.0  | 983.8  | 965.9 | 946.5 | 930.8 | 918.2 | 904.0 | 887.6 | 872.0 |
| 10°    | 1053.1 | 1027.7 | 1014.3 | 1001.6 | 975.6 | 950.2 | 927.9 | 909.2 | 889.1 | 867.5 | 850.4 |
| 12.5°  | 1080.6 | 1047.1 | 1032.2 | 1014.3 | 982.3 | 952.5 | 924.1 | 898.8 | 872.7 | 849.6 | 825.0 |
| 15°    | 1112.7 | 1071.0 | 1053.8 | 1030.7 | 986.7 | 948.0 | 911.5 | 883.9 | 857.1 | 822.8 | 796.7 |
| 17.5°  | 1131.3 | 1082.9 | 1058.3 | 1038.2 | 990.5 | 943.5 | 901.0 | 866.8 | 835.5 | 801.2 | 773.6 |
| 20°    | 1150.0 | 1094.8 | 1067.2 | 1038.9 | 982.3 | 932.3 | 887.6 | 846.6 | 813.8 | 776.6 | 748.3 |
| 22.5°  | 1155.9 | 1091.8 | 1062.8 | 1036.7 | 977.1 | 921.2 | 869.7 | 828.0 | 790.0 | 752.7 | 720.7 |
| 25°    | 1155.9 | 1091.1 | 1056.8 | 1023.3 | 960.7 | 903.3 | 851.8 | 806.4 | 763.9 | 726.6 | 694.6 |
| 27.5°  | 1144.0 | 1076.2 | 1040.4 | 1009.8 | 945.0 | 883.1 | 830.2 | 780.3 | 739.3 | 702.0 | 665.5 |
| 30°    | 1129.1 | 1054.6 | 1018.8 | 982.3  | 919.7 | 860.8 | 803.4 | 757.2 | 714.0 | 671.5 | 638.7 |
| 32.5°  | 1110.5 | 1031.5 | 992.0  | 954.7  | 888.4 | 827.3 | 774.3 | 728.9 | 687.9 | 643.9 | 607.4 |
| 35°    | 1083.6 | 997.2  | 953.2  | 920.4  | 856.3 | 793.0 | 742.3 | 697.6 | 658.1 | 612.6 | 573.1 |
| 37.5°  | 1049.3 | 965.9  | 921.2  | 880.9  | 814.6 | 756.5 | 708.8 | 665.5 | 626.8 | 585.0 | 541.1 |
| 40°    | 1009.1 | 921.9  | 883.1  | 840.7  | 770.6 | 715.5 | 670.7 | 632.0 | 593.2 | 553.7 | 511.3 |
| 42.5°  | 963.6  | 877.2  | 834.0  | 793.0  | 725.9 | 671.5 | 629.8 | 594.7 | 559.0 | 522.4 | 477.0 |
| 45°    | 909.2  | 828.0  | 786.3  | 747.5  | 682.7 | 626.8 | 588.8 | 555.2 | 524.7 | 487.4 | 447.2 |
| 47.5°  | 848.1  | 777.3  | 734.8  | 693.1  | 629.8 | 581.3 | 544.0 | 515.7 | 489.6 | 452.4 | 415.9 |
| 50°    | 788.5  | 718.4  | 684.2  | 641.7  | 583.5 | 538.1 | 500.1 | 476.2 | 456.1 | 419.6 | 386.8 |
| 52.5°  | 713.2  | 660.3  | 627.5  | 591.0  | 535.1 | 488.9 | 459.1 | 438.2 | 414.4 | 386.1 | 357.0 |
| 55°    | 646.9  | 597.7  | 571.6  | 537.3  | 482.2 | 441.2 | 415.9 | 396.5 | 377.9 | 352.5 | 329.4 |
| 57.5°  | 571.6  | 541.1  | 515.0  | 485.2  | 430.8 | 395.7 | 373.4 | 357.0 | 339.8 | 319.0 | 300.3 |
| 60°    | 492.6  | 478.5  | 453.1  | 429.3  | 383.1 | 352.5 | 333.9 | 319.0 | 302.6 | 285.4 | 269.8 |
| 62.5°  | 422.6  | 414.4  | 399.5  | 380.8  | 337.6 | 311.5 | 292.9 | 281.7 | 269.8 | 254.1 | 239.2 |
| 65°    | 356.2  | 352.5  | 338.4  | 324.9  | 295.1 | 272.0 | 255.6 | 248.9 | 235.5 | 223.6 | 210.2 |
| 67.5°  | 297.4  | 292.9  | 284.7  | 278.7  | 253.4 | 231.8 | 223.6 | 214.6 | 203.5 | 194.5 | 183.3 |
| 70°    | 237.7  | 237.0  | 231.8  | 224.3  | 210.9 | 195.3 | 187.1 | 181.1 | 169.9 | 163.2 | 155.0 |
| 72.5°  | 184.8  | 188.6  | 184.1  | 181.1  | 172.2 | 161.0 | 153.5 | 149.8 | 140.9 | 135.6 | 129.7 |
| 75°    | 137.9  | 140.9  | 143.1  | 137.9  | 135.6 | 130.4 | 123.7 | 120.0 | 115.5 | 108.1 | 105.8 |
| 77.5°  | 93.9   | 100.6  | 100.6  | 102.1  | 102.8 | 99.9  | 94.6  | 91.7  | 86.5  | 85.0  | 82.0  |
| 80°    | 61.9   | 67.8   | 68.6   | 70.1   | 72.3  | 72.3  | 68.6  | 67.8  | 62.6  | 61.9  | 59.6  |
| 82.5°  | 35.8   | 41.0   | 44.0   | 46.2   | 45.5  | 48.4  | 45.5  | 44.7  | 41.7  | 41.7  | 40.2  |
| 85°    | 19.4   | 20.1   | 21.6   | 23.1   | 24.6  | 26.1  | 26.1  | 25.3  | 24.6  | 23.8  | 22.4  |
| 87.5°  | 7.5    | 7.5    | 8.2    | 7.5    | 8.2   | 9.7   | 10.4  | 10.4  | 9.7   | 8.9   | 7.5   |
| 90°    | 20.8   | 18.6   | 17.5   | 16.0   | 12.9  | 9.8   | 6.8   | 3.7   | 6.8   | 9.8   | 12.9  |
| 92.5°  | 50.8   | 49.4   | 48.7   | 46.9   | 43.3  | 39.6  | 36.0  | 32.4  | 36.0  | 39.6  | 43.3  |
| 95°    | 89.0   | 87.1   | 86.1   | 84.9   | 82.4  | 79.9  | 77.4  | 74.9  | 77.4  | 79.9  | 82.4  |
| 97.5°  | 133.0  | 130.8  | 129.7  | 128.6  | 126.4 | 124.2 | 122.0 | 119.8 | 122.0 | 124.2 | 126.4 |
| 100°   | 183.4  | 180.9  | 179.6  | 179.1  | 178.0 | 176.9 | 175.8 | 174.7 | 175.8 | 176.9 | 178.0 |
| 102.5° | 236.6  | 234.4  | 233.3  | 233.2  | 232.9 | 232.6 | 232.3 | 232.0 | 232.3 | 232.6 | 232.9 |
| 105°   | 293.6  | 292.5  | 291.9  | 291.8  | 291.5 | 291.2 | 291.0 | 290.7 | 291.0 | 291.2 | 291.5 |
| 107.5° | 353.4  | 353.1  | 353.0  | 352.9  | 352.6 | 352.3 | 352.1 | 351.8 | 352.1 | 352.3 | 352.6 |
| 110°   | 416.3  | 416.6  | 416.7  | 416.4  | 415.9 | 415.3 | 414.8 | 414.2 | 414.8 | 415.3 | 415.9 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 478.2  | 478.7  | 479.0  | 479.0  | 479.0  | 479.0  | 479.0  | 479.0  | 479.0  | 479.0  | 479.0  |
| 115°   | 543.1  | 543.6  | 543.9  | 543.9  | 543.9  | 543.9  | 543.9  | 543.9  | 543.9  | 543.9  | 543.9  |
| 117.5° | 604.6  | 604.9  | 605.0  | 605.0  | 605.0  | 605.0  | 605.0  | 605.0  | 605.0  | 605.0  | 605.0  |
| 120°   | 669.9  | 670.8  | 671.2  | 670.6  | 669.5  | 668.4  | 667.3  | 666.2  | 667.3  | 668.4  | 669.5  |
| 122.5° | 730.6  | 730.9  | 731.0  | 730.9  | 730.6  | 730.3  | 730.1  | 729.8  | 730.1  | 730.3  | 730.6  |
| 125°   | 791.8  | 792.1  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  |
| 127.5° | 851.2  | 851.7  | 852.0  | 851.6  | 850.8  | 849.9  | 849.1  | 848.3  | 849.1  | 849.9  | 850.8  |
| 130°   | 911.9  | 911.9  | 911.9  | 911.5  | 910.7  | 909.8  | 909.0  | 908.2  | 909.0  | 909.8  | 910.7  |
| 132.5° | 971.4  | 971.7  | 971.8  | 971.5  | 971.0  | 970.4  | 969.9  | 969.3  | 969.9  | 970.4  | 971.0  |
| 135°   | 1029.2 | 1029.2 | 1029.2 | 1028.4 | 1026.7 | 1025.0 | 1023.4 | 1021.7 | 1023.4 | 1025.0 | 1026.7 |
| 137.5° | 1084.9 | 1084.4 | 1084.1 | 1083.7 | 1082.8 | 1082.0 | 1081.1 | 1080.3 | 1081.1 | 1082.0 | 1082.8 |
| 140°   | 1141.5 | 1141.5 | 1141.5 | 1141.2 | 1140.7 | 1140.1 | 1139.6 | 1139.0 | 1139.6 | 1140.1 | 1140.7 |
| 142.5° | 1194.7 | 1195.0 | 1195.1 | 1194.8 | 1194.3 | 1193.7 | 1193.2 | 1192.6 | 1193.2 | 1193.7 | 1194.3 |
| 145°   | 1246.7 | 1246.4 | 1246.3 | 1245.7 | 1244.6 | 1243.5 | 1242.4 | 1241.3 | 1242.4 | 1243.5 | 1244.6 |
| 147.5° | 1297.0 | 1297.3 | 1297.4 | 1296.7 | 1295.3 | 1294.0 | 1292.6 | 1291.2 | 1292.6 | 1294.0 | 1295.3 |
| 150°   | 1341.1 | 1341.1 | 1341.1 | 1340.5 | 1339.4 | 1338.3 | 1337.2 | 1336.1 | 1337.2 | 1338.3 | 1339.4 |
| 152.5° | 1381.4 | 1381.1 | 1381.0 | 1380.7 | 1380.2 | 1379.6 | 1379.1 | 1378.5 | 1379.1 | 1379.6 | 1380.2 |
| 155°   | 1421.8 | 1422.1 | 1422.2 | 1422.2 | 1422.2 | 1422.2 | 1422.2 | 1422.2 | 1422.2 | 1422.2 | 1422.2 |
| 157.5° | 1457.1 | 1457.1 | 1457.1 | 1457.4 | 1457.9 | 1458.5 | 1459.0 | 1459.6 | 1459.0 | 1458.5 | 1457.9 |
| 160°   | 1490.4 | 1490.7 | 1490.8 | 1490.9 | 1491.2 | 1491.5 | 1491.7 | 1492.0 | 1491.7 | 1491.5 | 1491.2 |
| 162.5° | 1517.8 | 1518.1 | 1518.2 | 1518.6 | 1519.5 | 1520.3 | 1521.2 | 1522.0 | 1521.2 | 1520.3 | 1519.5 |
| 165°   | 1543.6 | 1544.1 | 1544.4 | 1544.8 | 1545.7 | 1546.5 | 1547.4 | 1548.2 | 1547.4 | 1546.5 | 1545.7 |
| 167.5° | 1564.4 | 1564.4 | 1564.4 | 1565.0 | 1566.1 | 1567.2 | 1568.3 | 1569.4 | 1568.3 | 1567.2 | 1566.1 |
| 170°   | 1581.0 | 1580.7 | 1580.6 | 1581.3 | 1582.7 | 1584.0 | 1585.4 | 1586.8 | 1585.4 | 1584.0 | 1582.7 |
| 172.5° | 1594.3 | 1594.3 | 1594.3 | 1594.9 | 1596.0 | 1597.1 | 1598.2 | 1599.3 | 1598.2 | 1597.1 | 1596.0 |
| 175°   | 1603.9 | 1604.2 | 1604.3 | 1605.0 | 1606.4 | 1607.7 | 1609.1 | 1610.5 | 1609.1 | 1607.7 | 1606.4 |
| 177.5° | 1609.3 | 1609.3 | 1609.3 | 1610.0 | 1611.4 | 1612.7 | 1614.1 | 1615.5 | 1614.1 | 1612.7 | 1611.4 |
| 180°   | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 |

TEST NUMBER: P1032999

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**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 924.9 | 924.9  | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 |
| 2.5°   | 910.0 | 908.5  | 907.0 | 901.0 | 895.8 | 886.9 | 879.4 | 876.4 | 875.7 | 876.4 | 874.2 |
| 5°     | 883.9 | 883.1  | 877.9 | 867.5 | 857.8 | 847.4 | 839.9 | 832.5 | 828.0 | 828.0 | 822.8 |
| 7.5°   | 859.3 | 854.1  | 849.6 | 836.2 | 825.0 | 810.9 | 799.7 | 793.0 | 789.2 | 781.0 | 781.0 |
| 10°    | 833.2 | 825.8  | 819.8 | 807.1 | 790.7 | 776.6 | 762.4 | 754.2 | 747.5 | 741.5 | 739.3 |
| 12.5°  | 807.1 | 801.2  | 790.0 | 776.6 | 760.2 | 742.3 | 727.4 | 721.4 | 705.8 | 693.1 | 693.8 |
| 15°    | 782.5 | 769.1  | 763.9 | 744.5 | 725.2 | 708.0 | 686.4 | 669.3 | 656.6 | 648.4 | 638.0 |
| 17.5°  | 755.0 | 741.5  | 731.9 | 715.5 | 690.1 | 663.3 | 642.4 | 619.3 | 606.7 | 592.5 | 585.8 |
| 20°    | 724.4 | 713.2  | 705.8 | 679.7 | 649.1 | 617.1 | 594.0 | 579.8 | 565.7 | 555.2 | 549.3 |
| 22.5°  | 698.3 | 684.2  | 675.2 | 640.2 | 606.7 | 574.6 | 556.7 | 544.8 | 532.9 | 523.9 | 520.9 |
| 25°    | 664.8 | 656.6  | 635.0 | 604.4 | 563.4 | 541.8 | 526.2 | 510.5 | 503.8 | 497.8 | 491.1 |
| 27.5°  | 637.2 | 617.1  | 602.2 | 561.9 | 536.6 | 512.0 | 496.4 | 484.4 | 476.2 | 470.3 | 465.1 |
| 30°    | 602.9 | 584.3  | 563.4 | 529.9 | 506.8 | 483.7 | 469.5 | 459.8 | 450.9 | 447.2 | 442.7 |
| 32.5°  | 567.2 | 550.0  | 529.9 | 503.1 | 474.7 | 456.9 | 445.7 | 435.2 | 429.3 | 425.6 | 420.3 |
| 35°    | 535.1 | 513.5  | 500.1 | 474.7 | 451.6 | 431.5 | 421.1 | 412.1 | 405.4 | 403.9 | 403.2 |
| 37.5°  | 500.8 | 484.4  | 471.8 | 445.7 | 426.3 | 409.2 | 399.5 | 389.8 | 386.1 | 385.3 | 382.3 |
| 40°    | 471.0 | 456.9  | 444.9 | 420.3 | 399.5 | 383.8 | 376.4 | 370.4 | 366.7 | 366.7 | 365.9 |
| 42.5°  | 444.9 | 430.0  | 418.1 | 395.7 | 377.1 | 362.9 | 354.8 | 348.8 | 347.3 | 348.0 | 347.3 |
| 45°    | 415.9 | 403.2  | 391.3 | 368.2 | 352.5 | 342.1 | 333.1 | 330.2 | 327.9 | 328.7 | 329.4 |
| 47.5°  | 388.3 | 377.9  | 365.9 | 347.3 | 329.4 | 318.2 | 313.0 | 310.0 | 310.0 | 310.0 | 311.5 |
| 50°    | 363.7 | 351.8  | 341.3 | 322.0 | 305.6 | 296.6 | 292.1 | 288.4 | 289.2 | 289.9 | 290.7 |
| 52.5°  | 334.6 | 324.2  | 316.7 | 297.4 | 285.4 | 274.3 | 269.0 | 269.8 | 269.0 | 269.0 | 270.5 |
| 55°    | 309.3 | 298.9  | 291.4 | 273.5 | 261.6 | 254.1 | 249.7 | 247.4 | 248.2 | 246.7 | 249.7 |
| 57.5°  | 281.0 | 272.0  | 266.8 | 249.7 | 239.2 | 232.5 | 228.8 | 225.1 | 226.6 | 225.8 | 225.1 |
| 60°    | 256.4 | 245.9  | 237.7 | 225.8 | 216.9 | 208.7 | 206.4 | 202.7 | 204.2 | 202.7 | 202.0 |
| 62.5°  | 228.1 | 219.9  | 213.9 | 202.0 | 194.5 | 187.8 | 182.6 | 180.4 | 179.6 | 177.4 | 175.1 |
| 65°    | 199.7 | 195.3  | 189.3 | 177.4 | 169.9 | 164.7 | 161.7 | 159.5 | 158.7 | 152.8 | 146.1 |
| 67.5°  | 173.6 | 170.7  | 164.7 | 155.8 | 149.1 | 143.8 | 139.4 | 135.6 | 131.2 | 126.7 | 123.0 |
| 70°    | 149.1 | 144.6  | 140.9 | 132.7 | 126.7 | 121.5 | 117.0 | 112.5 | 110.3 | 105.8 | 104.3 |
| 72.5°  | 125.2 | 120.7  | 117.0 | 109.6 | 104.3 | 99.1  | 97.6  | 92.4  | 90.2  | 89.4  | 89.4  |
| 75°    | 100.6 | 96.9   | 94.6  | 87.9  | 83.5  | 79.7  | 77.5  | 76.0  | 74.5  | 73.0  | 70.8  |
| 77.5°  | 76.8  | 74.5   | 73.0  | 68.6  | 64.8  | 62.6  | 61.9  | 56.6  | 55.2  | 53.7  | 52.2  |
| 80°    | 55.9  | 55.2   | 53.7  | 49.9  | 48.4  | 43.2  | 43.2  | 41.7  | 41.0  | 41.0  | 41.0  |
| 82.5°  | 38.0  | 36.5   | 35.8  | 32.0  | 31.3  | 30.6  | 29.8  | 29.1  | 29.8  | 29.1  | 29.8  |
| 85°    | 20.1  | 19.4   | 18.6  | 18.6  | 18.6  | 18.6  | 18.6  | 18.6  | 18.6  | 17.9  | 18.6  |
| 87.5°  | 7.5   | 7.5    | 7.5   | 7.5   | 6.7   | 7.5   | 7.5   | 6.7   | 7.5   | 7.5   | 7.5   |
| 90°    | 16.0  | 17.5   | 18.6  | 20.8  | 23.0  | 25.2  | 27.4  | 29.1  | 30.7  | 32.4  | 34.1  |
| 92.5°  | 46.9  | 48.7   | 49.4  | 50.8  | 52.1  | 53.5  | 54.9  | 55.7  | 56.5  | 57.4  | 58.2  |
| 95°    | 84.9  | 86.1   | 87.1  | 89.0  | 90.9  | 92.9  | 94.8  | 95.6  | 96.5  | 97.3  | 98.2  |
| 97.5°  | 128.6 | 129.7  | 130.8 | 133.0 | 135.3 | 137.5 | 139.7 | 140.8 | 141.9 | 143.0 | 144.1 |
| 100°   | 179.1 | 179.6  | 180.9 | 183.4 | 185.9 | 188.4 | 190.9 | 191.5 | 192.0 | 192.6 | 193.1 |
| 102.5° | 233.2 | 233.3  | 234.4 | 236.6 | 238.9 | 241.1 | 243.3 | 244.1 | 244.9 | 245.8 | 246.6 |
| 105°   | 291.8 | 291.9  | 292.5 | 293.6 | 294.7 | 295.8 | 296.9 | 297.7 | 298.5 | 299.4 | 300.2 |
| 107.5° | 352.9 | 353.0  | 353.1 | 353.4 | 353.7 | 354.0 | 354.3 | 355.4 | 356.5 | 357.6 | 358.7 |
| 110°   | 416.4 | 416.7  | 416.6 | 416.3 | 416.0 | 415.7 | 415.4 | 414.8 | 414.3 | 413.7 | 413.2 |

TEST NUMBER: P1032999

CATALOG NUMBER: S124RDIW-B575D1340UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 479.0  | 479.0  | 478.7  | 478.2  | 477.6  | 477.1  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  |
| 115°   | 543.9  | 543.9  | 543.6  | 543.1  | 542.5  | 542.0  | 541.4  | 541.1  | 540.9  | 540.6  | 540.3  |
| 117.5° | 605.0  | 605.0  | 604.9  | 604.6  | 604.3  | 604.1  | 603.8  | 603.0  | 602.2  | 601.3  | 600.5  |
| 120°   | 670.6  | 671.2  | 670.8  | 669.9  | 669.1  | 668.2  | 667.4  | 666.0  | 664.6  | 663.3  | 661.9  |
| 122.5° | 730.9  | 731.0  | 730.9  | 730.6  | 730.3  | 730.1  | 729.8  | 729.0  | 728.1  | 727.3  | 726.4  |
| 125°   | 792.2  | 792.2  | 792.1  | 791.8  | 791.5  | 791.2  | 790.9  | 790.3  | 789.8  | 789.2  | 788.7  |
| 127.5° | 851.6  | 852.0  | 851.7  | 851.2  | 850.7  | 850.1  | 849.6  | 849.0  | 848.5  | 847.9  | 847.4  |
| 130°   | 911.5  | 911.9  | 911.9  | 911.9  | 911.9  | 911.9  | 911.9  | 911.3  | 910.8  | 910.2  | 909.7  |
| 132.5° | 971.5  | 971.8  | 971.7  | 971.4  | 971.1  | 970.9  | 970.6  | 970.0  | 969.5  | 968.9  | 968.4  |
| 135°   | 1028.4 | 1029.2 | 1029.2 | 1029.2 | 1029.2 | 1029.2 | 1029.2 | 1028.6 | 1028.1 | 1027.5 | 1027.0 |
| 137.5° | 1083.7 | 1084.1 | 1084.4 | 1084.9 | 1085.5 | 1086.0 | 1086.6 | 1085.8 | 1084.9 | 1084.1 | 1083.2 |
| 140°   | 1141.2 | 1141.5 | 1141.5 | 1141.5 | 1141.5 | 1141.5 | 1141.5 | 1141.2 | 1140.9 | 1140.6 | 1140.3 |
| 142.5° | 1194.8 | 1195.1 | 1195.0 | 1194.7 | 1194.4 | 1194.2 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 |
| 145°   | 1245.7 | 1246.3 | 1246.4 | 1246.7 | 1247.0 | 1247.2 | 1247.5 | 1247.2 | 1247.0 | 1246.7 | 1246.4 |
| 147.5° | 1296.7 | 1297.4 | 1297.3 | 1297.0 | 1296.7 | 1296.5 | 1296.2 | 1295.9 | 1295.6 | 1295.3 | 1295.0 |
| 150°   | 1340.5 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 |
| 152.5° | 1380.7 | 1381.0 | 1381.1 | 1381.4 | 1381.7 | 1381.9 | 1382.2 | 1383.0 | 1383.9 | 1384.7 | 1385.6 |
| 155°   | 1422.2 | 1422.2 | 1422.1 | 1421.8 | 1421.5 | 1421.2 | 1420.9 | 1422.0 | 1423.1 | 1424.2 | 1425.3 |
| 157.5° | 1457.4 | 1457.1 | 1457.1 | 1457.1 | 1457.1 | 1457.1 | 1457.1 | 1457.9 | 1458.7 | 1459.6 | 1460.4 |
| 160°   | 1490.9 | 1490.8 | 1490.7 | 1490.4 | 1490.1 | 1489.8 | 1489.5 | 1490.3 | 1491.2 | 1492.0 | 1492.9 |
| 162.5° | 1518.6 | 1518.2 | 1518.1 | 1517.8 | 1517.5 | 1517.3 | 1517.0 | 1518.7 | 1520.3 | 1522.0 | 1523.7 |
| 165°   | 1544.8 | 1544.4 | 1544.1 | 1543.6 | 1543.0 | 1542.5 | 1541.9 | 1543.6 | 1545.2 | 1546.9 | 1548.6 |
| 167.5° | 1565.0 | 1564.4 | 1564.4 | 1564.4 | 1564.4 | 1564.4 | 1564.4 | 1566.1 | 1567.7 | 1569.4 | 1571.1 |
| 170°   | 1581.3 | 1580.6 | 1580.7 | 1581.0 | 1581.3 | 1581.5 | 1581.8 | 1583.5 | 1585.1 | 1586.8 | 1588.5 |
| 172.5° | 1594.9 | 1594.3 | 1594.3 | 1594.3 | 1594.3 | 1594.3 | 1594.3 | 1596.2 | 1598.2 | 1600.1 | 1602.0 |
| 175°   | 1605.0 | 1604.3 | 1604.2 | 1603.9 | 1603.6 | 1603.3 | 1603.0 | 1605.0 | 1606.9 | 1608.9 | 1610.8 |
| 177.5° | 1610.0 | 1609.3 | 1609.3 | 1609.3 | 1609.3 | 1609.3 | 1609.3 | 1611.2 | 1613.2 | 1615.1 | 1617.0 |
| 180°   | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 |

TEST NUMBER: P1032999

CATALOG NUMBER: S124RDIW-B575D1340UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 924.9  | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9  |
| 2.5°   | 874.2  | 877.2 | 873.5 | 875.7 | 870.5 | 869.7 | 870.5 | 870.5 | 871.2 | 872.0 | 872.7  |
| 5°     | 825.0  | 824.3 | 819.8 | 816.8 | 814.6 | 816.8 | 818.3 | 819.8 | 818.3 | 819.8 | 820.5  |
| 7.5°   | 778.8  | 776.6 | 774.3 | 769.1 | 770.6 | 769.1 | 773.6 | 771.4 | 771.4 | 775.1 | 778.1  |
| 10°    | 737.8  | 733.3 | 731.9 | 725.9 | 721.4 | 720.7 | 725.9 | 728.1 | 730.4 | 731.9 | 737.8  |
| 12.5°  | 684.9  | 678.2 | 673.0 | 675.2 | 662.5 | 667.8 | 669.3 | 666.3 | 675.2 | 685.7 | 679.7  |
| 15°    | 628.3  | 629.0 | 618.6 | 614.9 | 604.4 | 607.4 | 608.1 | 615.6 | 623.0 | 622.3 | 631.2  |
| 17.5°  | 586.5  | 582.1 | 573.1 | 572.4 | 567.9 | 570.1 | 569.4 | 575.4 | 573.1 | 576.8 | 584.3  |
| 20°    | 547.8  | 544.8 | 537.3 | 534.4 | 535.9 | 534.4 | 535.1 | 535.9 | 538.1 | 546.3 | 544.8  |
| 22.5°  | 517.2  | 513.5 | 513.5 | 509.8 | 505.3 | 503.8 | 507.5 | 509.8 | 512.7 | 514.2 | 518.0  |
| 25°    | 490.4  | 487.4 | 483.7 | 481.4 | 477.7 | 478.5 | 480.7 | 483.7 | 485.9 | 488.9 | 491.9  |
| 27.5°  | 462.8  | 462.8 | 459.1 | 458.3 | 456.9 | 456.1 | 459.1 | 460.6 | 460.6 | 462.8 | 465.8  |
| 30°    | 441.2  | 441.2 | 437.5 | 436.7 | 436.0 | 436.0 | 438.2 | 439.0 | 439.7 | 441.9 | 443.4  |
| 32.5°  | 420.3  | 419.6 | 418.1 | 418.8 | 418.1 | 418.8 | 418.8 | 419.6 | 421.1 | 421.8 | 424.8  |
| 35°    | 401.0  | 401.7 | 400.2 | 400.2 | 399.5 | 400.2 | 401.7 | 402.4 | 403.2 | 404.7 | 404.7  |
| 37.5°  | 382.3  | 383.8 | 383.1 | 385.3 | 385.3 | 385.3 | 385.3 | 386.8 | 386.8 | 386.8 | 386.1  |
| 40°    | 365.9  | 365.9 | 365.2 | 366.7 | 368.2 | 368.2 | 368.9 | 368.9 | 369.7 | 369.7 | 368.9  |
| 42.5°  | 347.3  | 348.8 | 351.0 | 351.8 | 353.3 | 352.5 | 354.8 | 354.0 | 354.8 | 353.3 | 351.8  |
| 45°    | 330.2  | 330.2 | 333.1 | 336.1 | 336.9 | 336.9 | 336.9 | 338.4 | 336.9 | 334.6 | 333.9  |
| 47.5°  | 311.5  | 313.0 | 314.5 | 318.2 | 319.0 | 319.0 | 319.0 | 319.0 | 317.5 | 317.5 | 317.5  |
| 50°    | 292.9  | 293.6 | 294.4 | 295.9 | 298.1 | 297.4 | 297.4 | 297.4 | 300.3 | 297.4 | 298.1  |
| 52.5°  | 270.5  | 271.3 | 272.0 | 275.0 | 274.3 | 274.3 | 275.0 | 275.0 | 277.2 | 276.5 | 275.0  |
| 55°    | 248.2  | 248.2 | 249.7 | 249.7 | 249.7 | 251.2 | 251.9 | 253.4 | 252.6 | 253.4 | 254.1  |
| 57.5°  | 225.8  | 224.3 | 223.6 | 223.6 | 225.8 | 225.1 | 225.8 | 225.8 | 228.8 | 230.3 | 231.0  |
| 60°    | 199.7  | 199.7 | 199.0 | 194.5 | 194.5 | 193.8 | 196.0 | 197.5 | 199.0 | 205.7 | 205.0  |
| 62.5°  | 172.9  | 169.9 | 166.9 | 167.7 | 163.2 | 165.5 | 164.0 | 165.5 | 169.9 | 175.1 | 175.9  |
| 65°    | 146.1  | 143.8 | 140.9 | 140.1 | 138.6 | 140.9 | 140.1 | 140.9 | 143.1 | 146.1 | 149.8  |
| 67.5°  | 122.2  | 121.5 | 120.0 | 119.2 | 119.2 | 119.2 | 120.7 | 120.7 | 121.5 | 123.7 | 126.0  |
| 70°    | 104.3  | 103.6 | 104.3 | 102.8 | 103.6 | 102.8 | 103.6 | 104.3 | 105.1 | 105.8 | 108.1  |
| 72.5°  | 87.9   | 87.9  | 87.9  | 86.5  | 87.9  | 87.2  | 87.2  | 87.9  | 88.7  | 89.4  | 90.9   |
| 75°    | 70.1   | 68.6  | 67.1  | 65.6  | 64.8  | 66.3  | 67.1  | 66.3  | 68.6  | 71.5  | 71.5   |
| 77.5°  | 52.9   | 52.2  | 52.2  | 52.2  | 52.9  | 52.2  | 53.7  | 52.9  | 53.7  | 53.7  | 55.2   |
| 80°    | 41.0   | 40.2  | 41.0  | 41.0  | 40.2  | 41.7  | 41.0  | 41.0  | 41.7  | 42.5  | 41.7   |
| 82.5°  | 29.8   | 30.6  | 29.8  | 29.8  | 29.8  | 31.3  | 29.8  | 29.8  | 29.8  | 30.6  | 30.6   |
| 85°    | 18.6   | 18.6  | 18.6  | 18.6  | 19.4  | 18.6  | 19.4  | 18.6  | 20.1  | 19.4  | 19.4   |
| 87.5°  | 6.7    | 7.5   | 8.2   | 8.2   | 8.2   | 8.2   | 7.5   | 8.2   | 8.9   | 8.2   | 8.9    |
| 90°    | 34.9   | 35.2  | 35.7  | 36.3  | 36.8  | 37.4  | 36.8  | 36.3  | 35.7  | 35.2  | 34.9   |
| 92.5°  | 58.6   | 58.7  | 59.0  | 59.3  | 59.6  | 59.9  | 59.6  | 59.3  | 59.0  | 58.7  | 58.6   |
| 95°    | 98.6   | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6   |
| 97.5°  | 144.7  | 144.7 | 144.7 | 144.7 | 144.7 | 144.7 | 144.7 | 144.7 | 144.7 | 144.7 | 144.7  |
| 100°   | 193.4  | 193.4 | 193.4 | 193.4 | 193.4 | 193.4 | 193.4 | 193.4 | 193.4 | 193.4 | 193.4  |
| 102.5° | 247.0  | 247.1 | 247.4 | 247.7 | 248.0 | 248.3 | 248.0 | 247.7 | 247.4 | 247.1 | 247.0  |
| 105°   | 300.6  | 301.0 | 301.9 | 302.7 | 303.6 | 304.4 | 303.6 | 302.7 | 301.9 | 301.0 | 300.6  |
| 107.5° | 359.3  | 359.2 | 358.9 | 358.6 | 358.3 | 358.0 | 358.3 | 358.6 | 358.9 | 359.2 | 359.3  |
| 110°   | 412.9  | 413.3 | 414.2 | 415.0 | 415.9 | 416.7 | 415.9 | 415.0 | 414.2 | 413.3 | 412.9  |

TEST NUMBER: P1032999

CATALOG NUMBER: S124RDIW-B575D1340UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  |
| 115°   | 540.2  | 540.1  | 539.8  | 539.5  | 539.2  | 538.9  | 539.2  | 539.5  | 539.8  | 540.1  | 540.2  |
| 117.5° | 600.1  | 599.7  | 598.8  | 598.0  | 597.1  | 596.3  | 597.1  | 598.0  | 598.8  | 599.7  | 600.1  |
| 120°   | 661.2  | 661.5  | 662.0  | 662.6  | 663.1  | 663.7  | 663.1  | 662.6  | 662.0  | 661.5  | 661.2  |
| 122.5° | 726.0  | 725.3  | 723.9  | 722.6  | 721.2  | 719.8  | 721.2  | 722.6  | 723.9  | 725.3  | 726.0  |
| 125°   | 788.4  | 788.1  | 787.6  | 787.0  | 786.5  | 785.9  | 786.5  | 787.0  | 787.6  | 788.1  | 788.4  |
| 127.5° | 847.1  | 847.0  | 846.7  | 846.4  | 846.1  | 845.8  | 846.1  | 846.4  | 846.7  | 847.0  | 847.1  |
| 130°   | 909.4  | 908.8  | 907.7  | 906.6  | 905.5  | 904.4  | 905.5  | 906.6  | 907.7  | 908.8  | 909.4  |
| 132.5° | 968.1  | 968.0  | 967.7  | 967.4  | 967.1  | 966.8  | 967.1  | 967.4  | 967.7  | 968.0  | 968.1  |
| 135°   | 1026.7 | 1026.3 | 1025.5 | 1024.6 | 1023.8 | 1023.0 | 1023.8 | 1024.6 | 1025.5 | 1026.3 | 1026.7 |
| 137.5° | 1082.8 | 1082.9 | 1083.2 | 1083.5 | 1083.8 | 1084.1 | 1083.8 | 1083.5 | 1083.2 | 1082.9 | 1082.8 |
| 140°   | 1140.2 | 1140.1 | 1139.8 | 1139.5 | 1139.3 | 1139.0 | 1139.3 | 1139.5 | 1139.8 | 1140.1 | 1140.2 |
| 142.5° | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 |
| 145°   | 1246.3 | 1245.9 | 1245.0 | 1244.2 | 1243.3 | 1242.5 | 1243.3 | 1244.2 | 1245.0 | 1245.9 | 1246.3 |
| 147.5° | 1294.9 | 1294.8 | 1294.5 | 1294.2 | 1294.0 | 1293.7 | 1294.0 | 1294.2 | 1294.5 | 1294.8 | 1294.9 |
| 150°   | 1341.1 | 1341.0 | 1340.7 | 1340.4 | 1340.1 | 1339.8 | 1340.1 | 1340.4 | 1340.7 | 1341.0 | 1341.1 |
| 152.5° | 1386.0 | 1385.6 | 1384.7 | 1383.9 | 1383.0 | 1382.2 | 1383.0 | 1383.9 | 1384.7 | 1385.6 | 1386.0 |
| 155°   | 1425.9 | 1425.3 | 1424.2 | 1423.1 | 1422.0 | 1420.9 | 1422.0 | 1423.1 | 1424.2 | 1425.3 | 1425.9 |
| 157.5° | 1460.8 | 1460.4 | 1459.6 | 1458.7 | 1457.9 | 1457.1 | 1457.9 | 1458.7 | 1459.6 | 1460.4 | 1460.8 |
| 160°   | 1493.3 | 1492.6 | 1491.2 | 1489.8 | 1488.4 | 1487.0 | 1488.4 | 1489.8 | 1491.2 | 1492.6 | 1493.3 |
| 162.5° | 1524.5 | 1523.8 | 1522.4 | 1521.0 | 1519.6 | 1518.2 | 1519.6 | 1521.0 | 1522.4 | 1523.8 | 1524.5 |
| 165°   | 1549.4 | 1548.8 | 1547.7 | 1546.6 | 1545.5 | 1544.4 | 1545.5 | 1546.6 | 1547.7 | 1548.8 | 1549.4 |
| 167.5° | 1571.9 | 1571.1 | 1569.4 | 1567.7 | 1566.1 | 1564.4 | 1566.1 | 1567.7 | 1569.4 | 1571.1 | 1571.9 |
| 170°   | 1589.3 | 1588.3 | 1586.4 | 1584.5 | 1582.5 | 1580.6 | 1582.5 | 1584.5 | 1586.4 | 1588.3 | 1589.3 |
| 172.5° | 1603.0 | 1602.0 | 1600.1 | 1598.2 | 1596.2 | 1594.3 | 1596.2 | 1598.2 | 1600.1 | 1602.0 | 1603.0 |
| 175°   | 1611.8 | 1610.8 | 1608.9 | 1606.9 | 1605.0 | 1603.0 | 1605.0 | 1606.9 | 1608.9 | 1610.8 | 1611.8 |
| 177.5° | 1618.0 | 1616.9 | 1614.7 | 1612.4 | 1610.2 | 1608.0 | 1610.2 | 1612.4 | 1614.7 | 1616.9 | 1618.0 |
| 180°   | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9 | 924.9  | 924.9 |
| 2.5°   | 875.7 | 879.4 | 877.9 | 872.7 | 875.0 | 879.4 | 883.9 | 889.9 | 893.6 | 896.6  | 898.1 |
| 5°     | 824.3 | 831.0 | 829.5 | 829.5 | 832.5 | 839.9 | 847.4 | 860.0 | 864.5 | 869.7  | 877.2 |
| 7.5°   | 778.8 | 784.0 | 788.5 | 790.0 | 794.5 | 804.2 | 813.8 | 828.0 | 839.2 | 845.1  | 849.6 |
| 10°    | 738.6 | 742.3 | 749.0 | 752.7 | 757.2 | 769.1 | 783.3 | 798.2 | 809.4 | 819.8  | 825.8 |
| 12.5°  | 687.1 | 702.0 | 711.0 | 717.0 | 722.9 | 740.8 | 752.0 | 768.4 | 781.8 | 791.5  | 800.4 |
| 15°    | 629.8 | 647.6 | 652.9 | 676.0 | 690.9 | 705.0 | 722.2 | 741.5 | 754.2 | 765.4  | 777.3 |
| 17.5°  | 581.3 | 594.0 | 599.9 | 624.5 | 637.2 | 659.6 | 684.2 | 708.8 | 728.1 | 736.3  | 748.3 |
| 20°    | 550.8 | 557.5 | 569.4 | 577.6 | 591.0 | 617.1 | 643.9 | 673.7 | 702.8 | 711.0  | 722.9 |
| 22.5°  | 519.5 | 528.4 | 536.6 | 547.8 | 558.2 | 576.1 | 602.9 | 635.7 | 667.0 | 681.9  | 696.1 |
| 25°    | 491.1 | 500.1 | 505.3 | 517.2 | 526.9 | 544.8 | 563.4 | 597.0 | 634.2 | 646.9  | 669.3 |
| 27.5°  | 468.8 | 474.0 | 482.9 | 488.2 | 499.3 | 515.7 | 532.9 | 558.2 | 594.7 | 616.3  | 638.0 |
| 30°    | 446.4 | 450.1 | 457.6 | 465.1 | 473.2 | 484.4 | 503.8 | 528.4 | 561.9 | 580.6  | 602.2 |
| 32.5°  | 424.1 | 430.0 | 434.5 | 439.7 | 448.7 | 462.1 | 475.5 | 499.3 | 526.2 | 547.0  | 568.6 |
| 35°    | 405.4 | 407.7 | 413.6 | 419.6 | 425.6 | 437.5 | 451.6 | 474.7 | 498.6 | 515.0  | 534.4 |
| 37.5°  | 385.3 | 389.0 | 393.5 | 395.7 | 405.4 | 412.9 | 427.8 | 445.7 | 474.0 | 484.4  | 503.8 |
| 40°    | 369.7 | 368.9 | 373.4 | 377.1 | 381.6 | 393.5 | 402.4 | 421.8 | 444.2 | 460.6  | 472.5 |
| 42.5°  | 350.3 | 350.3 | 351.8 | 356.2 | 362.2 | 369.7 | 380.1 | 396.5 | 419.6 | 431.5  | 445.7 |
| 45°    | 334.6 | 332.4 | 333.1 | 336.1 | 339.8 | 347.3 | 357.7 | 371.9 | 395.0 | 404.7  | 419.6 |
| 47.5°  | 316.0 | 313.8 | 313.8 | 316.7 | 319.7 | 324.9 | 333.1 | 349.5 | 368.2 | 380.8  | 392.0 |
| 50°    | 295.1 | 295.9 | 295.1 | 297.4 | 298.9 | 304.1 | 313.0 | 326.4 | 343.6 | 354.0  | 366.7 |
| 52.5°  | 275.8 | 274.3 | 273.5 | 275.0 | 278.0 | 281.7 | 291.4 | 303.3 | 319.7 | 330.2  | 341.3 |
| 55°    | 251.9 | 253.4 | 253.4 | 253.4 | 257.9 | 259.4 | 266.8 | 278.7 | 295.1 | 303.3  | 313.8 |
| 57.5°  | 230.3 | 229.5 | 231.0 | 230.3 | 234.0 | 239.2 | 245.2 | 254.1 | 270.5 | 278.7  | 288.4 |
| 60°    | 206.4 | 207.2 | 207.9 | 207.9 | 210.9 | 216.1 | 222.8 | 231.0 | 244.4 | 252.6  | 261.6 |
| 62.5°  | 177.4 | 181.1 | 184.8 | 186.3 | 190.8 | 194.5 | 199.0 | 207.9 | 219.9 | 225.8  | 234.0 |
| 65°    | 149.8 | 155.0 | 160.2 | 164.0 | 166.9 | 170.7 | 176.6 | 184.8 | 194.5 | 200.5  | 208.7 |
| 67.5°  | 126.0 | 129.7 | 136.4 | 140.1 | 146.1 | 150.5 | 154.3 | 161.0 | 172.9 | 175.1  | 181.8 |
| 70°    | 108.8 | 110.3 | 113.3 | 116.3 | 123.0 | 126.7 | 131.2 | 137.9 | 146.8 | 152.0  | 155.8 |
| 72.5°  | 91.7  | 92.4  | 93.9  | 96.9  | 99.9  | 104.3 | 109.6 | 115.5 | 123.7 | 126.0  | 131.2 |
| 75°    | 73.0  | 77.5  | 77.5  | 79.7  | 82.0  | 84.2  | 88.7  | 94.6  | 99.9  | 103.6  | 106.6 |
| 77.5°  | 54.4  | 56.6  | 58.1  | 61.9  | 64.8  | 67.1  | 70.1  | 74.5  | 77.5  | 80.5   | 82.7  |
| 80°    | 42.5  | 43.2  | 44.0  | 44.0  | 45.5  | 48.4  | 51.4  | 54.4  | 58.1  | 59.6   | 61.9  |
| 82.5°  | 31.3  | 31.3  | 31.3  | 32.8  | 33.5  | 34.3  | 34.3  | 35.8  | 39.5  | 41.0   | 43.2  |
| 85°    | 20.1  | 20.1  | 20.1  | 20.1  | 20.9  | 21.6  | 22.4  | 23.1  | 23.1  | 23.1   | 24.6  |
| 87.5°  | 8.2   | 9.7   | 8.9   | 9.7   | 9.7   | 9.7   | 9.7   | 10.4  | 10.4  | 11.2   | 11.2  |
| 90°    | 34.1  | 32.4  | 30.7  | 29.1  | 27.4  | 25.2  | 23.0  | 20.8  | 18.6  | 17.5   | 16.0  |
| 92.5°  | 58.2  | 57.4  | 56.5  | 55.7  | 54.9  | 53.5  | 52.1  | 50.8  | 49.4  | 48.7   | 46.9  |
| 95°    | 98.2  | 97.3  | 96.5  | 95.6  | 94.8  | 92.9  | 90.9  | 89.0  | 87.1  | 86.1   | 84.9  |
| 97.5°  | 144.1 | 143.0 | 141.9 | 140.8 | 139.7 | 137.5 | 135.3 | 133.0 | 130.8 | 129.7  | 128.6 |
| 100°   | 193.1 | 192.6 | 192.0 | 191.5 | 190.9 | 188.4 | 185.9 | 183.4 | 180.9 | 179.6  | 179.1 |
| 102.5° | 246.6 | 245.8 | 244.9 | 244.1 | 243.3 | 241.1 | 238.9 | 236.6 | 234.4 | 233.3  | 233.2 |
| 105°   | 300.2 | 299.4 | 298.5 | 297.7 | 296.9 | 295.8 | 294.7 | 293.6 | 292.5 | 291.9  | 291.8 |
| 107.5° | 358.7 | 357.6 | 356.5 | 355.4 | 354.3 | 354.0 | 353.7 | 353.4 | 353.1 | 353.0  | 352.9 |
| 110°   | 413.2 | 413.7 | 414.3 | 414.8 | 415.4 | 415.7 | 416.0 | 416.3 | 416.6 | 416.7  | 416.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 476.5  | 476.5  | 476.5  | 476.5  | 476.5  | 477.1  | 477.6  | 478.2  | 478.7  | 479.0  | 479.0  |
| 115°   | 540.3  | 540.6  | 540.9  | 541.1  | 541.4  | 542.0  | 542.5  | 543.1  | 543.6  | 543.9  | 543.9  |
| 117.5° | 600.5  | 601.3  | 602.2  | 603.0  | 603.8  | 604.1  | 604.3  | 604.6  | 604.9  | 605.0  | 605.0  |
| 120°   | 661.9  | 663.3  | 664.6  | 666.0  | 667.4  | 668.2  | 669.1  | 669.9  | 670.8  | 671.2  | 670.6  |
| 122.5° | 726.4  | 727.3  | 728.1  | 729.0  | 729.8  | 730.1  | 730.3  | 730.6  | 730.9  | 731.0  | 730.9  |
| 125°   | 788.7  | 789.2  | 789.8  | 790.3  | 790.9  | 791.2  | 791.5  | 791.8  | 792.1  | 792.2  | 792.2  |
| 127.5° | 847.4  | 847.9  | 848.5  | 849.0  | 849.6  | 850.1  | 850.7  | 851.2  | 851.7  | 852.0  | 851.6  |
| 130°   | 909.7  | 910.2  | 910.8  | 911.3  | 911.9  | 911.9  | 911.9  | 911.9  | 911.9  | 911.9  | 911.5  |
| 132.5° | 968.4  | 968.9  | 969.5  | 970.0  | 970.6  | 970.9  | 971.1  | 971.4  | 971.7  | 971.8  | 971.5  |
| 135°   | 1027.0 | 1027.5 | 1028.1 | 1028.6 | 1029.2 | 1029.2 | 1029.2 | 1029.2 | 1029.2 | 1029.2 | 1028.4 |
| 137.5° | 1083.2 | 1084.1 | 1084.9 | 1085.8 | 1086.6 | 1086.0 | 1085.5 | 1084.9 | 1084.4 | 1084.1 | 1083.7 |
| 140°   | 1140.3 | 1140.6 | 1140.9 | 1141.2 | 1141.5 | 1141.5 | 1141.5 | 1141.5 | 1141.5 | 1141.5 | 1141.2 |
| 142.5° | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1193.9 | 1194.2 | 1194.4 | 1194.7 | 1195.0 | 1195.1 | 1194.8 |
| 145°   | 1246.4 | 1246.7 | 1247.0 | 1247.2 | 1247.5 | 1247.2 | 1247.0 | 1246.7 | 1246.4 | 1246.3 | 1245.7 |
| 147.5° | 1295.0 | 1295.3 | 1295.6 | 1295.9 | 1296.2 | 1296.5 | 1296.7 | 1297.0 | 1297.3 | 1297.4 | 1296.7 |
| 150°   | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1341.1 | 1340.5 |
| 152.5° | 1385.6 | 1384.7 | 1383.9 | 1383.0 | 1382.2 | 1381.9 | 1381.7 | 1381.4 | 1381.1 | 1381.0 | 1380.7 |
| 155°   | 1425.3 | 1424.2 | 1423.1 | 1422.0 | 1420.9 | 1421.2 | 1421.5 | 1421.8 | 1422.1 | 1422.2 | 1422.2 |
| 157.5° | 1460.4 | 1459.6 | 1458.7 | 1457.9 | 1457.1 | 1457.1 | 1457.1 | 1457.1 | 1457.1 | 1457.1 | 1457.4 |
| 160°   | 1492.9 | 1492.0 | 1491.2 | 1490.3 | 1489.5 | 1489.8 | 1490.1 | 1490.4 | 1490.7 | 1490.8 | 1490.9 |
| 162.5° | 1523.7 | 1522.0 | 1520.3 | 1518.7 | 1517.0 | 1517.3 | 1517.5 | 1517.8 | 1518.1 | 1518.2 | 1518.6 |
| 165°   | 1548.6 | 1546.9 | 1545.2 | 1543.6 | 1541.9 | 1542.5 | 1543.0 | 1543.6 | 1544.1 | 1544.4 | 1544.8 |
| 167.5° | 1571.1 | 1569.4 | 1567.7 | 1566.1 | 1564.4 | 1564.4 | 1564.4 | 1564.4 | 1564.4 | 1564.4 | 1565.0 |
| 170°   | 1588.5 | 1586.8 | 1585.1 | 1583.5 | 1581.8 | 1581.5 | 1581.3 | 1581.0 | 1580.7 | 1580.6 | 1581.3 |
| 172.5° | 1602.0 | 1600.1 | 1598.2 | 1596.2 | 1594.3 | 1594.3 | 1594.3 | 1594.3 | 1594.3 | 1594.3 | 1594.9 |
| 175°   | 1610.8 | 1608.9 | 1606.9 | 1605.0 | 1603.0 | 1603.3 | 1603.6 | 1603.9 | 1604.2 | 1604.3 | 1605.0 |
| 177.5° | 1617.0 | 1615.1 | 1613.2 | 1611.2 | 1609.3 | 1609.3 | 1609.3 | 1609.3 | 1609.3 | 1609.3 | 1610.0 |
| 180°   | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 | 1613.0 |

TEST NUMBER: P1032999

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**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 924.9 | 924.9 | 924.9 | 924.9 |
| 2.5°   | 904.0 | 908.5 | 915.9 | 926.4 |
| 5°     | 883.1 | 895.8 | 907.7 | 923.4 |
| 7.5°   | 864.5 | 879.4 | 895.8 | 918.2 |
| 10°    | 842.9 | 861.5 | 882.4 | 910.0 |
| 12.5°  | 817.6 | 843.6 | 867.5 | 897.3 |
| 15°    | 798.9 | 818.3 | 848.9 | 883.9 |
| 17.5°  | 772.8 | 798.9 | 829.5 | 869.0 |
| 20°    | 748.3 | 775.8 | 810.1 | 851.1 |
| 22.5°  | 722.2 | 753.5 | 787.8 | 831.7 |
| 25°    | 695.3 | 728.9 | 763.2 | 810.1 |
| 27.5°  | 670.7 | 701.3 | 740.1 | 787.8 |
| 30°    | 640.9 | 676.0 | 713.2 | 763.2 |
| 32.5°  | 611.9 | 648.4 | 686.4 | 736.3 |
| 35°    | 580.6 | 617.1 | 658.8 | 706.5 |
| 37.5°  | 550.0 | 590.3 | 628.3 | 674.5 |
| 40°    | 516.5 | 558.2 | 597.7 | 644.7 |
| 42.5°  | 483.7 | 526.9 | 566.4 | 606.7 |
| 45°    | 453.1 | 495.6 | 531.4 | 569.4 |
| 47.5°  | 424.1 | 462.1 | 498.6 | 532.9 |
| 50°    | 395.7 | 427.8 | 461.3 | 489.6 |
| 52.5°  | 365.9 | 396.5 | 423.3 | 448.7 |
| 55°    | 339.1 | 362.9 | 386.8 | 409.9 |
| 57.5°  | 307.1 | 330.9 | 351.8 | 369.7 |
| 60°    | 280.2 | 295.1 | 315.3 | 333.9 |
| 62.5°  | 249.7 | 266.8 | 282.5 | 294.4 |
| 65°    | 219.9 | 234.8 | 246.7 | 257.1 |
| 67.5°  | 194.5 | 203.5 | 212.4 | 223.6 |
| 70°    | 164.0 | 171.4 | 181.8 | 190.0 |
| 72.5°  | 137.9 | 143.8 | 149.1 | 158.7 |
| 75°    | 111.8 | 117.0 | 120.0 | 128.9 |
| 77.5°  | 86.5  | 91.7  | 93.9  | 99.1  |
| 80°    | 66.3  | 67.1  | 70.1  | 74.5  |
| 82.5°  | 45.5  | 47.0  | 47.7  | 51.4  |
| 85°    | 26.1  | 29.8  | 29.1  | 30.6  |
| 87.5°  | 11.2  | 11.9  | 13.4  | 14.9  |
| 90°    | 12.9  | 9.8   | 6.8   | 3.7   |
| 92.5°  | 43.3  | 39.6  | 36.0  | 32.4  |
| 95°    | 82.4  | 79.9  | 77.4  | 74.9  |
| 97.5°  | 126.4 | 124.2 | 122.0 | 119.8 |
| 100°   | 178.0 | 176.9 | 175.8 | 174.7 |
| 102.5° | 232.9 | 232.6 | 232.3 | 232.0 |
| 105°   | 291.5 | 291.2 | 291.0 | 290.7 |
| 107.5° | 352.6 | 352.3 | 352.1 | 351.8 |
| 110°   | 415.9 | 415.3 | 414.8 | 414.2 |

TEST NUMBER: P1032999

CATALOG NUMBER: S124RDIW-B575D1340UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 479.0  | 479.0  | 479.0  | 479.0  |
| 115°   | 543.9  | 543.9  | 543.9  | 543.9  |
| 117.5° | 605.0  | 605.0  | 605.0  | 605.0  |
| 120°   | 669.5  | 668.4  | 667.3  | 666.2  |
| 122.5° | 730.6  | 730.3  | 730.1  | 729.8  |
| 125°   | 792.2  | 792.2  | 792.2  | 792.2  |
| 127.5° | 850.8  | 849.9  | 849.1  | 848.3  |
| 130°   | 910.7  | 909.8  | 909.0  | 908.2  |
| 132.5° | 971.0  | 970.4  | 969.9  | 969.3  |
| 135°   | 1026.7 | 1025.0 | 1023.4 | 1021.7 |
| 137.5° | 1082.8 | 1082.0 | 1081.1 | 1080.3 |
| 140°   | 1140.7 | 1140.1 | 1139.6 | 1139.0 |
| 142.5° | 1194.3 | 1193.7 | 1193.2 | 1192.6 |
| 145°   | 1244.6 | 1243.5 | 1242.4 | 1241.3 |
| 147.5° | 1295.3 | 1294.0 | 1292.6 | 1291.2 |
| 150°   | 1339.4 | 1338.3 | 1337.2 | 1336.1 |
| 152.5° | 1380.2 | 1379.6 | 1379.1 | 1378.5 |
| 155°   | 1422.2 | 1422.2 | 1422.2 | 1422.2 |
| 157.5° | 1457.9 | 1458.5 | 1459.0 | 1459.6 |
| 160°   | 1491.2 | 1491.5 | 1491.7 | 1492.0 |
| 162.5° | 1519.5 | 1520.3 | 1521.2 | 1522.0 |
| 165°   | 1545.7 | 1546.5 | 1547.4 | 1548.2 |
| 167.5° | 1566.1 | 1567.2 | 1568.3 | 1569.4 |
| 170°   | 1582.7 | 1584.0 | 1585.4 | 1586.8 |
| 172.5° | 1596.0 | 1597.1 | 1598.2 | 1599.3 |
| 175°   | 1606.4 | 1607.7 | 1609.1 | 1610.5 |
| 177.5° | 1611.4 | 1612.7 | 1614.1 | 1615.5 |
| 180°   | 1613.0 | 1613.0 | 1613.0 | 1613.0 |

(END OF REPORT)