

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: P1013358

Luminaire Tested: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1013358  
REPORT IS A COMBINATION OF REPORTS P999465 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K  
Description: Define 4 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}  
{m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

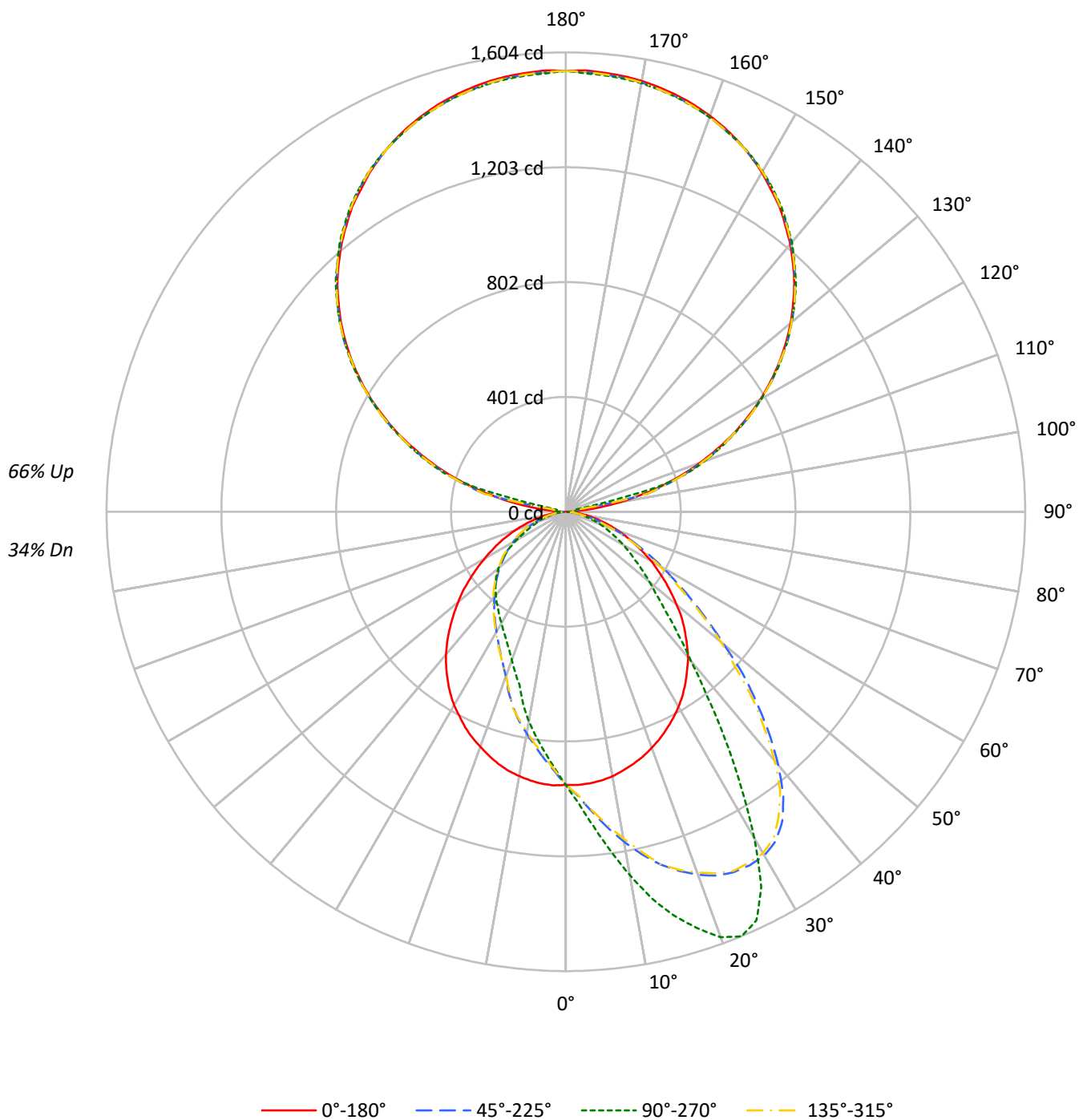
Lumens per Lamp: N/A  
Luminaire Lumens: 7176.0 lumens  
Efficiency: N/A  
Efficacy: 121.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 59  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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### COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|---|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |  |  |   |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 |    |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |  |  |   |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |
| 0   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 57 | 57 | 57 | 41 | 41 | 41 | 34 |  |  |   |
| 1   | 94  | 90  | 87  | 83  | 85 | 82 | 79 | 76 | 65 | 63 | 61 | 51 | 49 | 48 | 37 | 36 | 35 | 29 |  |  |   |
| 2   | 86  | 79  | 73  | 69  | 78 | 72 | 67 | 63 | 58 | 54 | 51 | 45 | 42 | 40 | 33 | 31 | 30 | 25 |  |  |   |
| 3   | 79  | 70  | 63  | 57  | 71 | 63 | 57 | 53 | 51 | 47 | 43 | 40 | 37 | 35 | 29 | 27 | 26 | 21 |  |  |   |
| 4   | 72  | 62  | 54  | 49  | 65 | 56 | 50 | 45 | 45 | 41 | 37 | 36 | 32 | 30 | 26 | 24 | 23 | 19 |  |  |   |
| 5   | 66  | 55  | 47  | 42  | 60 | 50 | 43 | 38 | 41 | 36 | 32 | 32 | 29 | 26 | 24 | 22 | 20 | 16 |  |  |   |
| 6   | 61  | 49  | 42  | 36  | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 29 | 25 | 23 | 22 | 19 | 18 | 14 |  |  |   |
| 7   | 56  | 45  | 37  | 32  | 51 | 41 | 34 | 29 | 33 | 28 | 25 | 26 | 23 | 20 | 20 | 17 | 16 | 13 |  |  |   |
| 8   | 52  | 40  | 33  | 28  | 47 | 37 | 30 | 26 | 30 | 25 | 22 | 24 | 21 | 18 | 18 | 16 | 14 | 12 |  |  |   |
| 9   | 49  | 37  | 30  | 25  | 44 | 34 | 27 | 23 | 28 | 23 | 20 | 22 | 19 | 16 | 17 | 14 | 13 | 10 |  |  |   |
| 10  | 45  | 34  | 27  | 22  | 41 | 31 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 16 | 13 | 12 | 10 |  |  |   |

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

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 7774 | 7774  | 7774 | 7774 |
| 5°  | 7774 | 8784  | 7787 | 6714 |
| 10° | 7733 | 10126 | 7726 | 5839 |
| 15° | 7640 | 11397 | 7640 | 4889 |
| 20° | 7544 | 12357 | 7505 | 4305 |
| 25° | 7427 | 12409 | 7393 | 3888 |
| 30° | 7302 | 10552 | 7245 | 3601 |
| 35° | 7125 | 7962  | 7035 | 3388 |
| 40° | 6928 | 5770  | 6793 | 3221 |
| 45° | 6603 | 4385  | 6439 | 3073 |
| 50° | 6217 | 3544  | 6047 | 2857 |
| 55° | 5800 | 2935  | 5610 | 2569 |
| 60° | 5381 | 2481  | 5140 | 2136 |
| 65° | 4853 | 2022  | 4699 | 1698 |
| 70° | 4370 | 1639  | 4165 | 1379 |
| 75° | 3830 | 1181  | 3565 | 1011 |
| 80° | 3159 | 782   | 2875 | 743  |
| 85° | 2292 | 402   | 1899 | 402  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $35^\circ$

Vertical Angle:  $45^\circ$

Luminance: 9732 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 92.3   | 1.3       |
| 10°-20°   | 278.8  | 3.9       |
| 20°-30°   | 436.7  | 6.1       |
| 30°-40°   | 484.9  | 6.8       |
| 40°-50°   | 429.7  | 6.0       |
| 50°-60°   | 334.9  | 4.7       |
| 60°-70°   | 219.1  | 3.1       |
| 70°-80°   | 107.5  | 1.5       |
| 80°-90°   | 29.4   | 0.4       |
| 90°-100°  | 51.1   | 0.7       |
| 100°-110° | 336.5  | 4.7       |
| 110°-120° | 642.5  | 9.0       |
| 120°-130° | 815.7  | 11.4      |
| 130°-140° | 872.6  | 12.2      |
| 140°-150° | 815.9  | 11.4      |
| 150°-160° | 658.0  | 9.2       |
| 160°-170° | 424.3  | 5.9       |
| 170°-180° | 146.2  | 2.0       |
| 0°-30°    | 807.8  | 11.3      |
| 0°-40°    | 1292.7 | 18.0      |
| 0°-60°    | 2057.3 | 28.7      |
| 0°-90°    | 2413.2 | 33.6      |
| 90°-120°  | 1030.1 | 14.4      |
| 90°-150°  | 3534.2 | 49.3      |
| 90°-180°  | 4763.0 | 66.4      |
| 0°-180°   | 7176.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 953  | 953  | 953  | 953  | 953  |      |
| 5°   | 952  | 1102 | 953  | 842  | 952  | 90   |
| 15°  | 911  | 1460 | 911  | 626  | 911  | 257  |
| 25°  | 835  | 1574 | 831  | 493  | 835  | 385  |
| 35°  | 728  | 970  | 719  | 412  | 728  | 455  |
| 45°  | 587  | 496  | 572  | 347  | 587  | 453  |
| 55°  | 422  | 296  | 409  | 259  | 422  | 378  |
| 65°  | 265  | 173  | 257  | 145  | 265  | 264  |
| 75°  | 133  | 80   | 124  | 68   | 133  | 141  |
| 85°  | 32   | 19   | 26   | 19   | 32   | 36   |
| 90°  | 4    | 34   | 4    | 34   | 4    | 5    |
| 95°  | 63   | 33   | 63   | 33   | 63   | 78   |
| 105° | 346  | 328  | 346  | 328  | 346  | 363  |
| 115° | 647  | 652  | 647  | 652  | 647  | 637  |
| 125° | 910  | 916  | 910  | 916  | 910  | 812  |
| 135° | 1128 | 1136 | 1128 | 1136 | 1128 | 869  |
| 145° | 1301 | 1308 | 1301 | 1308 | 1301 | 813  |
| 155° | 1426 | 1425 | 1426 | 1425 | 1426 | 658  |
| 165° | 1505 | 1498 | 1505 | 1498 | 1505 | 425  |
| 175° | 1539 | 1530 | 1539 | 1530 | 1539 | 147  |
| 180° | 1539 | 1539 | 1539 | 1539 | 1539 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 953.4 | 953.4 | 953.4 | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  |
| 2.5°   | 954.9 | 963.4 | 968.0 | 971.8  | 979.5  | 982.6  | 988.7  | 990.2  | 996.4  | 995.6  | 993.3  |
| 5°     | 951.8 | 966.4 | 977.2 | 988.7  | 1002.5 | 1010.2 | 1018.7 | 1031.0 | 1037.1 | 1045.6 | 1050.9 |
| 7.5°   | 946.5 | 966.4 | 984.1 | 1001.8 | 1024.0 | 1036.3 | 1047.1 | 1066.3 | 1082.4 | 1096.3 | 1111.6 |
| 10°    | 938.0 | 963.4 | 989.5 | 1013.3 | 1044.0 | 1058.6 | 1074.7 | 1103.2 | 1125.4 | 1144.7 | 1169.2 |
| 12.5°  | 924.9 | 960.3 | 989.5 | 1021.7 | 1060.9 | 1080.9 | 1102.4 | 1136.2 | 1162.3 | 1193.8 | 1224.6 |
| 15°    | 911.1 | 950.3 | 988.7 | 1031.0 | 1075.5 | 1098.6 | 1120.1 | 1165.4 | 1205.3 | 1241.5 | 1275.3 |
| 17.5°  | 895.8 | 938.8 | 981.0 | 1027.9 | 1081.7 | 1110.1 | 1135.4 | 1190.0 | 1233.8 | 1280.6 | 1314.4 |
| 20°    | 877.3 | 924.2 | 972.6 | 1024.8 | 1085.5 | 1117.0 | 1145.4 | 1207.6 | 1256.0 | 1306.8 | 1349.0 |
| 22.5°  | 857.3 | 908.0 | 961.0 | 1017.9 | 1080.9 | 1115.5 | 1148.5 | 1215.3 | 1271.4 | 1318.3 | 1375.1 |
| 25°    | 835.1 | 888.8 | 943.4 | 1003.3 | 1074.0 | 1111.6 | 1145.4 | 1211.5 | 1271.4 | 1332.9 | 1388.2 |
| 27.5°  | 812.0 | 867.3 | 924.2 | 987.2  | 1059.4 | 1096.3 | 1134.7 | 1198.4 | 1268.3 | 1335.2 | 1391.3 |
| 30°    | 786.7 | 840.4 | 900.4 | 960.3  | 1037.1 | 1074.0 | 1113.2 | 1182.3 | 1258.4 | 1325.2 | 1385.9 |
| 32.5°  | 759.0 | 814.3 | 871.2 | 933.4  | 1008.7 | 1048.6 | 1084.7 | 1163.1 | 1240.7 | 1306.8 | 1363.6 |
| 35°    | 728.3 | 780.5 | 834.3 | 898.1  | 972.6  | 1008.7 | 1051.7 | 1133.1 | 1211.5 | 1281.4 | 1318.3 |
| 37.5°  | 695.2 | 745.2 | 795.1 | 858.1  | 929.6  | 973.3  | 1015.6 | 1097.8 | 1180.8 | 1227.6 | 1246.8 |
| 40°    | 664.5 | 708.3 | 752.1 | 812.8  | 885.0  | 930.3  | 973.3  | 1058.6 | 1131.6 | 1167.7 | 1153.1 |
| 42.5°  | 625.3 | 670.7 | 709.8 | 765.9  | 838.9  | 881.2  | 924.9  | 1013.3 | 1072.4 | 1087.0 | 1050.9 |
| 45°    | 586.9 | 624.6 | 662.2 | 716.8  | 793.6  | 829.7  | 876.5  | 958.7  | 1007.9 | 994.9  | 941.8  |
| 47.5°  | 549.3 | 580.0 | 615.3 | 668.4  | 737.5  | 780.5  | 824.3  | 895.8  | 930.3  | 911.9  | 838.1  |
| 50°    | 504.7 | 535.5 | 572.3 | 618.4  | 685.3  | 726.7  | 761.3  | 827.4  | 853.5  | 808.2  | 719.1  |
| 52.5°  | 462.5 | 489.4 | 520.9 | 563.9  | 627.6  | 665.3  | 702.9  | 759.8  | 768.2  | 716.0  | 622.3  |
| 55°    | 422.5 | 444.0 | 477.1 | 511.6  | 570.0  | 610.0  | 636.1  | 684.5  | 682.2  | 616.9  | 536.2  |
| 57.5°  | 381.0 | 401.0 | 423.3 | 459.4  | 514.7  | 544.7  | 573.1  | 615.3  | 593.1  | 537.8  | 457.9  |
| 60°    | 344.2 | 355.7 | 378.0 | 412.5  | 459.4  | 485.5  | 507.8  | 530.8  | 511.6  | 451.7  | 390.3  |
| 62.5°  | 303.4 | 316.5 | 332.6 | 360.3  | 401.8  | 426.4  | 442.5  | 452.5  | 432.5  | 386.4  | 330.3  |
| 65°    | 265.0 | 276.6 | 293.5 | 318.0  | 349.5  | 368.0  | 376.4  | 383.3  | 372.6  | 320.3  | 275.8  |
| 67.5°  | 230.5 | 238.1 | 253.5 | 269.6  | 303.4  | 308.1  | 319.6  | 322.7  | 301.1  | 261.2  | 225.9  |
| 70°    | 195.9 | 203.6 | 210.5 | 229.7  | 245.1  | 253.5  | 255.8  | 255.8  | 234.3  | 208.2  | 179.0  |
| 72.5°  | 163.6 | 168.2 | 175.2 | 188.2  | 196.7  | 202.8  | 205.9  | 202.0  | 182.1  | 160.6  | 139.0  |
| 75°    | 132.9 | 135.2 | 141.4 | 149.8  | 156.7  | 154.4  | 153.6  | 149.0  | 134.4  | 119.1  | 106.8  |
| 77.5°  | 102.2 | 103.7 | 110.6 | 112.9  | 112.9  | 115.2  | 112.2  | 107.6  | 95.3   | 83.7   | 78.4   |
| 80°    | 76.8  | 79.1  | 79.9  | 81.4   | 79.9   | 79.9   | 77.6   | 69.9   | 63.8   | 58.4   | 54.5   |
| 82.5°  | 53.0  | 54.5  | 55.3  | 53.0   | 54.5   | 52.2   | 48.4   | 43.0   | 39.2   | 38.4   | 36.9   |
| 85°    | 31.5  | 32.3  | 31.5  | 31.5   | 29.2   | 28.4   | 25.4   | 24.6   | 23.0   | 23.0   | 22.3   |
| 87.5°  | 15.4  | 14.6  | 13.1  | 11.5   | 11.5   | 10.8   | 11.5   | 10.0   | 11.5   | 10.8   | 10.0   |
| 90°    | 3.5   | 6.3   | 9.1   | 11.9   | 14.7   | 16.1   | 17.1   | 19.2   | 21.2   | 23.3   | 25.3   |
| 92.5°  | 17.3  | 16.8  | 16.3  | 15.8   | 15.3   | 15.0   | 16.0   | 18.1   | 20.1   | 22.2   | 24.2   |
| 95°    | 63.3  | 54.6  | 45.9  | 37.2   | 28.5   | 24.2   | 24.3   | 24.6   | 24.8   | 25.1   | 25.3   |
| 97.5°  | 120.9 | 126.5 | 132.1 | 137.8  | 143.4  | 146.2  | 132.8  | 105.9  | 79.0   | 52.2   | 25.3   |
| 100°   | 188.8 | 193.4 | 198.0 | 202.6  | 207.2  | 209.5  | 191.9  | 156.6  | 121.3  | 86.0   | 50.7   |
| 102.5° | 264.8 | 267.9 | 270.9 | 274.0  | 277.1  | 278.6  | 280.1  | 283.2  | 286.3  | 289.3  | 292.4  |
| 105°   | 346.5 | 348.0 | 349.6 | 351.1  | 352.6  | 353.4  | 354.0  | 355.3  | 356.6  | 357.9  | 359.2  |
| 107.5° | 421.4 | 422.2 | 422.9 | 423.7  | 424.4  | 424.8  | 425.7  | 427.5  | 429.3  | 431.1  | 432.9  |
| 110°   | 497.3 | 498.1 | 498.9 | 499.6  | 500.4  | 500.8  | 501.6  | 503.1  | 504.6  | 506.2  | 507.7  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 571.0  | 572.5  | 574.1  | 575.6  | 577.1  | 577.9  | 578.2  | 578.7  | 579.2  | 579.7  | 580.2  |
| 115°   | 647.0  | 647.8  | 648.5  | 649.3  | 650.0  | 650.4  | 650.3  | 650.0  | 649.8  | 649.5  | 649.3  |
| 117.5° | 714.9  | 715.9  | 716.9  | 718.0  | 719.0  | 719.5  | 719.9  | 720.7  | 721.4  | 722.2  | 723.0  |
| 120°   | 784.0  | 785.0  | 786.0  | 787.1  | 788.1  | 788.6  | 788.5  | 788.2  | 787.9  | 787.7  | 787.4  |
| 122.5° | 848.5  | 849.0  | 849.5  | 850.0  | 850.5  | 850.8  | 851.1  | 851.6  | 852.1  | 852.6  | 853.1  |
| 125°   | 909.5  | 910.5  | 911.5  | 912.6  | 913.6  | 914.1  | 913.8  | 913.3  | 912.8  | 912.3  | 911.8  |
| 127.5° | 968.2  | 968.4  | 968.7  | 968.9  | 969.2  | 969.3  | 969.9  | 971.2  | 972.5  | 973.8  | 975.1  |
| 130°   | 1024.6 | 1024.8 | 1025.1 | 1025.3 | 1025.6 | 1025.7 | 1026.1 | 1026.9 | 1027.6 | 1028.4 | 1029.2 |
| 132.5° | 1076.4 | 1076.9 | 1077.4 | 1077.9 | 1078.4 | 1078.7 | 1079.2 | 1080.2 | 1081.3 | 1082.3 | 1083.3 |
| 135°   | 1128.2 | 1128.0 | 1127.7 | 1127.5 | 1127.2 | 1127.1 | 1127.6 | 1128.6 | 1129.7 | 1130.7 | 1131.7 |
| 137.5° | 1174.3 | 1174.3 | 1174.3 | 1174.3 | 1174.3 | 1174.3 | 1174.9 | 1176.2 | 1177.5 | 1178.7 | 1180.0 |
| 140°   | 1219.2 | 1219.7 | 1220.2 | 1220.7 | 1221.2 | 1221.5 | 1221.8 | 1222.3 | 1222.8 | 1223.3 | 1223.8 |
| 142.5° | 1259.4 | 1260.4 | 1261.5 | 1262.5 | 1263.6 | 1264.1 | 1264.2 | 1264.5 | 1264.7 | 1265.0 | 1265.2 |
| 145°   | 1300.9 | 1301.7 | 1302.4 | 1303.2 | 1303.9 | 1304.3 | 1304.3 | 1304.3 | 1304.3 | 1304.3 | 1304.3 |
| 147.5° | 1333.1 | 1334.6 | 1336.2 | 1337.7 | 1339.2 | 1340.0 | 1339.9 | 1339.6 | 1339.4 | 1339.1 | 1338.9 |
| 150°   | 1368.8 | 1369.8 | 1370.8 | 1371.9 | 1372.9 | 1373.4 | 1373.3 | 1373.0 | 1372.8 | 1372.5 | 1372.3 |
| 152.5° | 1398.7 | 1399.5 | 1400.3 | 1401.0 | 1401.8 | 1402.2 | 1401.9 | 1401.4 | 1400.9 | 1400.4 | 1399.9 |
| 155°   | 1426.4 | 1426.6 | 1426.9 | 1427.1 | 1427.4 | 1427.5 | 1427.1 | 1426.4 | 1425.6 | 1424.9 | 1424.1 |
| 157.5° | 1450.6 | 1450.6 | 1450.6 | 1450.6 | 1450.6 | 1450.6 | 1450.1 | 1449.0 | 1448.0 | 1446.9 | 1445.9 |
| 160°   | 1471.3 | 1470.5 | 1469.7 | 1469.0 | 1468.2 | 1467.8 | 1467.7 | 1467.4 | 1467.2 | 1466.9 | 1466.7 |
| 162.5° | 1489.7 | 1488.7 | 1487.7 | 1486.6 | 1485.6 | 1485.1 | 1485.0 | 1484.7 | 1484.4 | 1484.2 | 1483.9 |
| 165°   | 1504.7 | 1503.4 | 1502.1 | 1500.8 | 1499.5 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 |
| 167.5° | 1517.3 | 1516.0 | 1514.8 | 1513.5 | 1512.2 | 1511.6 | 1511.5 | 1511.2 | 1510.9 | 1510.7 | 1510.4 |
| 170°   | 1527.7 | 1526.2 | 1524.6 | 1523.1 | 1521.6 | 1520.8 | 1520.9 | 1521.2 | 1521.4 | 1521.7 | 1521.9 |
| 172.5° | 1534.6 | 1533.1 | 1531.5 | 1530.0 | 1528.5 | 1527.7 | 1527.8 | 1528.1 | 1528.3 | 1528.6 | 1528.8 |
| 175°   | 1539.2 | 1537.7 | 1536.1 | 1534.6 | 1533.1 | 1532.3 | 1532.4 | 1532.7 | 1532.9 | 1533.2 | 1533.4 |
| 177.5° | 1542.7 | 1540.9 | 1539.1 | 1537.3 | 1535.5 | 1534.6 | 1534.9 | 1535.4 | 1535.9 | 1536.4 | 1536.9 |
| 180°   | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 |

TEST NUMBER: P1013358

CATALOG NUMBER: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  |
| 2.5°   | 999.5  | 1007.9 | 1008.7 | 1016.4 | 1014.1 | 1010.2 | 1017.1 | 1012.5 | 1021.7 | 1018.7 | 1022.5 |
| 5°     | 1057.8 | 1069.4 | 1079.4 | 1085.5 | 1096.3 | 1094.0 | 1105.5 | 1101.6 | 1110.1 | 1101.6 | 1112.4 |
| 7.5°   | 1126.2 | 1145.4 | 1155.4 | 1171.5 | 1176.2 | 1176.9 | 1190.7 | 1193.8 | 1199.2 | 1193.8 | 1200.0 |
| 10°    | 1193.1 | 1216.1 | 1239.1 | 1252.2 | 1260.7 | 1272.2 | 1284.5 | 1289.8 | 1293.7 | 1288.3 | 1292.2 |
| 12.5°  | 1253.7 | 1289.8 | 1315.2 | 1341.3 | 1347.5 | 1357.5 | 1370.5 | 1369.0 | 1384.3 | 1381.3 | 1388.2 |
| 15°    | 1309.8 | 1349.8 | 1380.5 | 1401.2 | 1418.1 | 1426.6 | 1451.2 | 1452.7 | 1451.9 | 1459.6 | 1455.0 |
| 17.5°  | 1359.8 | 1393.6 | 1437.3 | 1464.2 | 1485.0 | 1485.0 | 1498.8 | 1527.2 | 1524.9 | 1524.2 | 1528.8 |
| 20°    | 1400.5 | 1438.9 | 1479.6 | 1524.9 | 1541.8 | 1544.9 | 1564.1 | 1578.7 | 1581.0 | 1581.0 | 1581.0 |
| 22.5°  | 1431.2 | 1476.5 | 1520.3 | 1552.6 | 1565.6 | 1576.4 | 1593.3 | 1602.5 | 1605.6 | 1604.1 | 1605.6 |
| 25°    | 1446.6 | 1489.6 | 1534.1 | 1563.3 | 1571.0 | 1577.2 | 1578.7 | 1584.1 | 1583.3 | 1574.1 | 1579.5 |
| 27.5°  | 1449.6 | 1491.1 | 1520.3 | 1528.0 | 1524.2 | 1520.3 | 1495.7 | 1498.0 | 1491.1 | 1477.3 | 1482.7 |
| 30°    | 1435.8 | 1458.1 | 1457.3 | 1433.5 | 1426.6 | 1410.5 | 1388.2 | 1355.1 | 1328.3 | 1316.7 | 1320.6 |
| 32.5°  | 1385.9 | 1385.9 | 1358.2 | 1304.4 | 1280.6 | 1251.4 | 1211.5 | 1181.5 | 1146.2 | 1138.5 | 1153.1 |
| 35°    | 1316.7 | 1277.6 | 1226.9 | 1156.2 | 1120.1 | 1098.6 | 1029.4 | 1007.9 | 978.0  | 969.5  | 976.4  |
| 37.5°  | 1209.2 | 1143.9 | 1070.1 | 1004.1 | 973.3  | 934.9  | 874.2  | 843.5  | 822.0  | 807.4  | 814.3  |
| 40°    | 1088.6 | 1009.4 | 932.6  | 851.2  | 817.4  | 785.9  | 740.6  | 712.9  | 678.3  | 679.9  | 682.2  |
| 42.5°  | 973.3  | 880.4  | 794.3  | 719.1  | 686.8  | 660.7  | 629.2  | 595.4  | 583.1  | 579.2  | 575.4  |
| 45°    | 851.2  | 752.1  | 671.4  | 615.3  | 586.2  | 561.6  | 532.4  | 513.2  | 498.6  | 495.5  | 499.3  |
| 47.5°  | 736.0  | 652.2  | 575.4  | 523.2  | 499.3  | 487.1  | 464.0  | 446.3  | 437.1  | 429.4  | 434.0  |
| 50°    | 631.5  | 553.1  | 491.7  | 447.9  | 431.0  | 422.5  | 401.0  | 391.8  | 382.6  | 380.3  | 379.5  |
| 52.5°  | 545.4  | 478.6  | 425.6  | 390.3  | 377.2  | 372.6  | 356.5  | 343.4  | 335.7  | 338.0  | 339.6  |
| 55°    | 467.1  | 410.2  | 368.7  | 340.3  | 329.6  | 324.2  | 312.7  | 303.4  | 298.1  | 295.8  | 297.3  |
| 57.5°  | 397.9  | 348.8  | 318.8  | 295.8  | 287.3  | 285.0  | 272.7  | 269.6  | 265.8  | 263.5  | 263.5  |
| 60°    | 334.9  | 300.4  | 272.7  | 259.7  | 250.4  | 248.1  | 238.9  | 235.1  | 234.3  | 232.0  | 230.5  |
| 62.5°  | 281.9  | 253.5  | 234.3  | 220.5  | 216.6  | 215.9  | 209.7  | 205.1  | 202.8  | 201.3  | 201.3  |
| 65°    | 235.8  | 215.1  | 199.0  | 189.0  | 185.9  | 184.4  | 177.5  | 175.9  | 174.4  | 172.9  | 172.1  |
| 67.5°  | 196.7  | 178.2  | 166.7  | 159.8  | 155.9  | 156.7  | 152.9  | 149.8  | 149.8  | 149.0  | 148.3  |
| 70°    | 159.0  | 147.5  | 137.5  | 133.7  | 132.1  | 130.6  | 129.1  | 126.8  | 126.0  | 126.0  | 126.0  |
| 72.5°  | 125.2  | 117.5  | 112.2  | 109.9  | 108.3  | 106.8  | 105.2  | 105.2  | 105.2  | 104.5  | 104.5  |
| 75°    | 96.0   | 93.0   | 89.1   | 86.8   | 86.8   | 88.3   | 86.0   | 83.7   | 81.4   | 79.9   | 80.7   |
| 77.5°  | 72.2   | 70.7   | 68.4   | 64.5   | 65.3   | 63.8   | 63.8   | 62.2   | 63.0   | 63.0   | 61.5   |
| 80°    | 53.0   | 50.7   | 49.9   | 47.6   | 48.4   | 47.6   | 46.9   | 46.9   | 45.3   | 45.3   | 45.3   |
| 82.5°  | 36.9   | 34.6   | 34.6   | 33.8   | 33.0   | 33.0   | 32.3   | 32.3   | 33.0   | 31.5   | 31.5   |
| 85°    | 22.3   | 21.5   | 21.5   | 20.0   | 20.0   | 20.0   | 20.0   | 20.7   | 20.0   | 19.2   | 19.2   |
| 87.5°  | 10.0   | 10.8   | 10.0   | 9.2    | 9.2    | 9.2    | 8.5    | 8.5    | 7.7    | 8.5    | 8.5    |
| 90°    | 26.8   | 28.4   | 29.9   | 31.4   | 32.2   | 32.5   | 33.0   | 33.5   | 34.0   | 34.5   | 34.0   |
| 92.5°  | 25.7   | 27.3   | 28.8   | 30.3   | 31.1   | 31.1   | 31.1   | 31.1   | 31.1   | 31.1   | 31.1   |
| 95°    | 26.8   | 28.4   | 29.9   | 31.4   | 32.2   | 32.3   | 32.6   | 32.9   | 33.1   | 33.4   | 33.1   |
| 97.5°  | 26.6   | 27.9   | 29.2   | 30.5   | 31.1   | 31.2   | 31.5   | 31.7   | 32.0   | 32.2   | 32.0   |
| 100°   | 46.3   | 42.0   | 37.6   | 33.3   | 31.1   | 31.2   | 31.5   | 31.7   | 32.0   | 32.2   | 32.0   |
| 102.5° | 234.8  | 177.3  | 119.7  | 62.2   | 33.4   | 33.4   | 33.4   | 33.4   | 33.4   | 33.4   | 33.4   |
| 105°   | 361.5  | 363.8  | 366.1  | 368.4  | 369.5  | 364.9  | 355.7  | 346.5  | 337.3  | 328.1  | 337.3  |
| 107.5° | 434.2  | 435.4  | 436.7  | 438.0  | 438.6  | 439.1  | 440.1  | 441.2  | 442.2  | 443.2  | 442.2  |
| 110°   | 508.2  | 508.7  | 509.2  | 509.7  | 510.0  | 510.4  | 511.1  | 511.9  | 512.6  | 513.4  | 512.6  |

TEST NUMBER: P1013358

CATALOG NUMBER: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 580.0  | 579.7  | 579.5  | 579.2  | 579.1  | 579.6  | 580.6  | 581.7  | 582.7  | 583.7  | 582.7  |
| 115°   | 649.8  | 650.3  | 650.8  | 651.3  | 651.6  | 651.6  | 651.6  | 651.6  | 651.6  | 651.6  | 651.6  |
| 117.5° | 722.7  | 722.5  | 722.2  | 721.9  | 721.8  | 721.8  | 721.8  | 721.8  | 721.8  | 721.8  | 721.8  |
| 120°   | 787.9  | 788.4  | 788.9  | 789.4  | 789.7  | 789.4  | 788.9  | 788.4  | 787.9  | 787.4  | 787.9  |
| 122.5° | 853.3  | 853.6  | 853.8  | 854.1  | 854.2  | 853.9  | 853.4  | 852.9  | 852.4  | 851.9  | 852.4  |
| 125°   | 912.6  | 913.3  | 914.1  | 914.8  | 915.2  | 915.3  | 915.6  | 915.9  | 916.1  | 916.4  | 916.1  |
| 127.5° | 974.8  | 974.6  | 974.3  | 974.0  | 973.9  | 973.8  | 973.5  | 973.3  | 973.0  | 972.8  | 973.0  |
| 130°   | 1029.5 | 1029.7 | 1030.0 | 1030.3 | 1030.4 | 1030.4 | 1030.4 | 1030.4 | 1030.4 | 1030.4 | 1030.4 |
| 132.5° | 1083.6 | 1083.8 | 1084.1 | 1084.4 | 1084.5 | 1084.4 | 1084.1 | 1083.8 | 1083.6 | 1083.3 | 1083.6 |
| 135°   | 1132.2 | 1132.7 | 1133.2 | 1133.7 | 1134.0 | 1134.3 | 1134.8 | 1135.3 | 1135.8 | 1136.3 | 1135.8 |
| 137.5° | 1180.5 | 1181.0 | 1181.5 | 1182.0 | 1182.3 | 1182.2 | 1181.9 | 1181.7 | 1181.4 | 1181.2 | 1181.4 |
| 140°   | 1224.6 | 1225.3 | 1226.1 | 1226.8 | 1227.2 | 1227.3 | 1227.6 | 1227.9 | 1228.1 | 1228.4 | 1228.1 |
| 142.5° | 1265.7 | 1266.2 | 1266.7 | 1267.2 | 1267.5 | 1267.5 | 1267.5 | 1267.5 | 1267.5 | 1267.5 | 1267.5 |
| 145°   | 1304.6 | 1304.8 | 1305.1 | 1305.4 | 1305.5 | 1305.8 | 1306.3 | 1306.8 | 1307.3 | 1307.8 | 1307.3 |
| 147.5° | 1339.1 | 1339.4 | 1339.6 | 1339.9 | 1340.0 | 1340.1 | 1340.4 | 1340.7 | 1340.9 | 1341.2 | 1340.9 |
| 150°   | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.4 | 1372.7 | 1372.9 | 1373.2 | 1373.4 | 1373.2 |
| 152.5° | 1400.4 | 1400.9 | 1401.4 | 1401.9 | 1402.2 | 1402.1 | 1401.8 | 1401.6 | 1401.3 | 1401.1 | 1401.3 |
| 155°   | 1425.1 | 1426.1 | 1427.2 | 1428.2 | 1428.7 | 1428.3 | 1427.5 | 1426.8 | 1426.0 | 1425.2 | 1426.0 |
| 157.5° | 1447.2 | 1448.5 | 1449.8 | 1451.1 | 1451.7 | 1451.1 | 1449.8 | 1448.5 | 1447.2 | 1445.9 | 1447.2 |
| 160°   | 1468.2 | 1469.8 | 1471.3 | 1472.8 | 1473.6 | 1472.8 | 1471.3 | 1469.8 | 1468.2 | 1466.7 | 1468.2 |
| 162.5° | 1485.4 | 1487.0 | 1488.5 | 1490.0 | 1490.8 | 1489.9 | 1488.1 | 1486.4 | 1484.6 | 1482.8 | 1484.6 |
| 165°   | 1500.9 | 1503.0 | 1505.0 | 1507.1 | 1508.1 | 1507.0 | 1504.7 | 1502.4 | 1500.1 | 1497.8 | 1500.1 |
| 167.5° | 1512.7 | 1515.0 | 1517.3 | 1519.6 | 1520.8 | 1519.5 | 1517.0 | 1514.4 | 1511.9 | 1509.3 | 1511.9 |
| 170°   | 1523.9 | 1526.0 | 1528.0 | 1530.1 | 1531.1 | 1529.8 | 1527.3 | 1524.7 | 1522.2 | 1519.6 | 1522.2 |
| 172.5° | 1530.8 | 1532.9 | 1534.9 | 1537.0 | 1538.0 | 1536.6 | 1533.8 | 1531.0 | 1528.2 | 1525.4 | 1528.2 |
| 175°   | 1535.7 | 1538.0 | 1540.3 | 1542.6 | 1543.8 | 1542.3 | 1539.2 | 1536.1 | 1533.1 | 1530.0 | 1533.1 |
| 177.5° | 1538.9 | 1541.0 | 1543.0 | 1545.1 | 1546.1 | 1544.6 | 1541.5 | 1538.4 | 1535.4 | 1532.3 | 1535.4 |
| 180°   | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 |

TEST NUMBER: P1013358

CATALOG NUMBER: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  |
| 2.5°   | 1024.8 | 1019.4 | 1018.7 | 1018.7 | 1010.2 | 1014.8 | 1005.6 | 995.6  | 991.0  | 991.0  | 982.6  |
| 5°     | 1110.1 | 1104.7 | 1099.3 | 1090.9 | 1090.9 | 1086.3 | 1071.7 | 1057.1 | 1046.3 | 1037.1 | 1027.1 |
| 7.5°   | 1197.7 | 1192.3 | 1176.9 | 1168.5 | 1173.1 | 1163.9 | 1144.7 | 1120.1 | 1101.6 | 1087.0 | 1066.3 |
| 10°    | 1292.9 | 1278.3 | 1270.6 | 1266.0 | 1249.9 | 1239.9 | 1217.6 | 1181.5 | 1158.5 | 1139.3 | 1112.4 |
| 12.5°  | 1370.5 | 1375.1 | 1345.9 | 1348.2 | 1332.1 | 1318.3 | 1283.7 | 1249.1 | 1214.6 | 1187.7 | 1147.7 |
| 15°    | 1454.2 | 1440.4 | 1422.8 | 1408.9 | 1403.5 | 1386.6 | 1357.5 | 1311.4 | 1273.7 | 1231.5 | 1186.1 |
| 17.5°  | 1520.3 | 1509.6 | 1492.7 | 1479.6 | 1468.1 | 1427.4 | 1402.8 | 1362.1 | 1310.6 | 1269.1 | 1213.8 |
| 20°    | 1576.4 | 1566.4 | 1542.6 | 1534.1 | 1513.4 | 1484.2 | 1448.9 | 1385.9 | 1339.8 | 1294.5 | 1240.7 |
| 22.5°  | 1600.2 | 1590.2 | 1569.5 | 1558.7 | 1545.7 | 1517.2 | 1483.4 | 1423.5 | 1366.7 | 1309.8 | 1253.0 |
| 25°    | 1580.2 | 1580.2 | 1570.3 | 1566.4 | 1554.9 | 1529.5 | 1495.0 | 1444.3 | 1383.6 | 1322.1 | 1254.5 |
| 27.5°  | 1483.4 | 1502.6 | 1509.6 | 1513.4 | 1513.4 | 1514.2 | 1490.4 | 1441.2 | 1382.0 | 1322.1 | 1251.4 |
| 30°    | 1343.6 | 1375.9 | 1404.3 | 1412.8 | 1427.4 | 1443.5 | 1453.5 | 1429.7 | 1376.7 | 1313.7 | 1243.0 |
| 32.5°  | 1167.7 | 1209.2 | 1262.2 | 1275.3 | 1295.2 | 1343.6 | 1370.5 | 1380.5 | 1351.3 | 1296.0 | 1220.7 |
| 35°    | 992.5  | 1044.8 | 1077.1 | 1117.0 | 1135.4 | 1206.9 | 1266.8 | 1302.9 | 1296.0 | 1263.0 | 1194.6 |
| 37.5°  | 839.7  | 869.6  | 908.8  | 951.1  | 987.9  | 1056.3 | 1130.8 | 1200.7 | 1229.2 | 1213.0 | 1161.6 |
| 40°    | 692.9  | 728.3  | 775.1  | 809.7  | 835.1  | 903.4  | 995.6  | 1071.7 | 1133.9 | 1143.9 | 1112.4 |
| 42.5°  | 589.2  | 624.6  | 653.0  | 690.6  | 710.6  | 776.7  | 858.1  | 953.4  | 1027.1 | 1066.3 | 1052.5 |
| 45°    | 509.3  | 530.8  | 553.9  | 575.4  | 600.0  | 658.4  | 733.7  | 838.1  | 921.1  | 976.4  | 981.8  |
| 47.5°  | 439.4  | 458.6  | 478.6  | 498.6  | 512.4  | 557.7  | 626.9  | 712.1  | 802.8  | 878.8  | 908.8  |
| 50°    | 390.3  | 399.5  | 414.1  | 425.6  | 441.7  | 480.9  | 536.2  | 610.0  | 706.0  | 788.2  | 827.4  |
| 52.5°  | 341.9  | 353.4  | 364.9  | 374.9  | 385.6  | 413.3  | 464.0  | 527.8  | 610.7  | 695.2  | 743.6  |
| 55°    | 301.1  | 310.4  | 321.1  | 328.0  | 334.2  | 358.8  | 397.2  | 446.3  | 517.8  | 597.7  | 657.6  |
| 57.5°  | 268.1  | 272.0  | 281.2  | 285.0  | 291.9  | 311.9  | 339.6  | 383.3  | 441.0  | 518.6  | 567.7  |
| 60°    | 232.0  | 239.7  | 246.6  | 249.7  | 255.1  | 268.9  | 288.1  | 328.8  | 378.7  | 435.6  | 491.7  |
| 62.5°  | 202.8  | 205.9  | 211.3  | 215.1  | 218.9  | 233.5  | 249.7  | 280.4  | 318.0  | 365.7  | 417.1  |
| 65°    | 175.9  | 177.5  | 180.5  | 185.9  | 188.2  | 199.0  | 208.2  | 230.5  | 265.8  | 301.9  | 353.4  |
| 67.5°  | 148.3  | 149.8  | 153.6  | 156.7  | 159.0  | 165.9  | 175.9  | 192.1  | 211.3  | 251.2  | 279.6  |
| 70°    | 126.8  | 126.8  | 129.1  | 130.6  | 132.9  | 136.0  | 141.4  | 153.6  | 171.3  | 196.7  | 222.8  |
| 72.5°  | 106.0  | 106.0  | 106.0  | 108.3  | 108.3  | 110.6  | 113.7  | 122.1  | 134.4  | 154.4  | 171.3  |
| 75°    | 82.2   | 83.0   | 84.5   | 84.5   | 85.3   | 88.3   | 90.7   | 93.0   | 99.1   | 112.2  | 127.5  |
| 77.5°  | 62.2   | 63.8   | 64.5   | 63.0   | 64.5   | 64.5   | 67.6   | 70.7   | 73.7   | 77.6   | 89.1   |
| 80°    | 46.1   | 46.9   | 45.3   | 46.1   | 46.1   | 47.6   | 49.2   | 48.4   | 49.9   | 54.5   | 57.6   |
| 82.5°  | 30.7   | 31.5   | 31.5   | 31.5   | 31.5   | 33.8   | 33.8   | 33.0   | 33.8   | 34.6   | 35.3   |
| 85°    | 19.2   | 18.4   | 18.4   | 19.2   | 18.4   | 18.4   | 19.2   | 20.0   | 19.2   | 20.0   | 20.7   |
| 87.5°  | 8.5    | 8.5    | 8.5    | 8.5    | 7.7    | 7.7    | 8.5    | 7.7    | 8.5    | 7.7    | 6.9    |
| 90°    | 33.5   | 33.0   | 32.5   | 32.2   | 31.4   | 29.9   | 28.4   | 26.8   | 25.3   | 23.3   | 21.2   |
| 92.5°  | 31.1   | 31.1   | 31.1   | 31.1   | 30.3   | 28.8   | 27.3   | 25.7   | 24.2   | 22.2   | 20.1   |
| 95°    | 32.9   | 32.6   | 32.3   | 32.2   | 31.4   | 29.9   | 28.4   | 26.8   | 25.3   | 25.1   | 24.8   |
| 97.5°  | 31.7   | 31.5   | 31.2   | 31.1   | 30.5   | 29.2   | 27.9   | 26.6   | 25.3   | 52.2   | 79.0   |
| 100°   | 31.7   | 31.5   | 31.2   | 31.1   | 33.3   | 37.6   | 42.0   | 46.3   | 50.7   | 86.0   | 121.3  |
| 102.5° | 33.4   | 33.4   | 33.4   | 33.4   | 62.2   | 119.7  | 177.3  | 234.8  | 292.4  | 289.3  | 286.3  |
| 105°   | 346.5  | 355.7  | 364.9  | 369.5  | 368.4  | 366.1  | 363.8  | 361.5  | 359.2  | 357.9  | 356.6  |
| 107.5° | 441.2  | 440.1  | 439.1  | 438.6  | 438.0  | 436.7  | 435.4  | 434.2  | 432.9  | 431.1  | 429.3  |
| 110°   | 511.9  | 511.1  | 510.4  | 510.0  | 509.7  | 509.2  | 508.7  | 508.2  | 507.7  | 506.2  | 504.6  |

TEST NUMBER: P1013358

CATALOG NUMBER: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 581.7  | 580.6  | 579.6  | 579.1  | 579.2  | 579.5  | 579.7  | 580.0  | 580.2  | 579.7  | 579.2  |
| 115°   | 651.6  | 651.6  | 651.6  | 651.6  | 651.3  | 650.8  | 650.3  | 649.8  | 649.3  | 649.5  | 649.8  |
| 117.5° | 721.8  | 721.8  | 721.8  | 721.8  | 721.9  | 722.2  | 722.5  | 722.7  | 723.0  | 722.2  | 721.4  |
| 120°   | 788.4  | 788.9  | 789.4  | 789.7  | 789.4  | 788.9  | 788.4  | 787.9  | 787.4  | 787.7  | 787.9  |
| 122.5° | 852.9  | 853.4  | 853.9  | 854.2  | 854.1  | 853.8  | 853.6  | 853.3  | 853.1  | 852.6  | 852.1  |
| 125°   | 915.9  | 915.6  | 915.3  | 915.2  | 914.8  | 914.1  | 913.3  | 912.6  | 911.8  | 912.3  | 912.8  |
| 127.5° | 973.3  | 973.5  | 973.8  | 973.9  | 974.0  | 974.3  | 974.6  | 974.8  | 975.1  | 973.8  | 972.5  |
| 130°   | 1030.4 | 1030.4 | 1030.4 | 1030.4 | 1030.3 | 1030.0 | 1029.7 | 1029.5 | 1029.2 | 1028.4 | 1027.6 |
| 132.5° | 1083.8 | 1084.1 | 1084.4 | 1084.5 | 1084.4 | 1084.1 | 1083.8 | 1083.6 | 1083.3 | 1082.3 | 1081.3 |
| 135°   | 1135.3 | 1134.8 | 1134.3 | 1134.0 | 1133.7 | 1133.2 | 1132.7 | 1132.2 | 1131.7 | 1130.7 | 1129.7 |
| 137.5° | 1181.7 | 1181.9 | 1182.2 | 1182.3 | 1182.0 | 1181.5 | 1181.0 | 1180.5 | 1180.0 | 1178.7 | 1177.5 |
| 140°   | 1227.9 | 1227.6 | 1227.3 | 1227.2 | 1226.8 | 1226.1 | 1225.3 | 1224.6 | 1223.8 | 1223.3 | 1222.8 |
| 142.5° | 1267.5 | 1267.5 | 1267.5 | 1267.5 | 1267.2 | 1266.7 | 1266.2 | 1265.7 | 1265.2 | 1265.0 | 1264.7 |
| 145°   | 1306.8 | 1306.3 | 1305.8 | 1305.5 | 1305.4 | 1305.1 | 1304.8 | 1304.6 | 1304.3 | 1304.3 | 1304.3 |
| 147.5° | 1340.7 | 1340.4 | 1340.1 | 1340.0 | 1339.9 | 1339.6 | 1339.4 | 1339.1 | 1338.9 | 1339.1 | 1339.4 |
| 150°   | 1372.9 | 1372.7 | 1372.4 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.5 | 1372.8 |
| 152.5° | 1401.6 | 1401.8 | 1402.1 | 1402.2 | 1401.9 | 1401.4 | 1400.9 | 1400.4 | 1399.9 | 1400.4 | 1400.9 |
| 155°   | 1426.8 | 1427.5 | 1428.3 | 1428.7 | 1428.2 | 1427.2 | 1426.1 | 1425.1 | 1424.1 | 1424.9 | 1425.6 |
| 157.5° | 1448.5 | 1449.8 | 1451.1 | 1451.7 | 1451.1 | 1449.8 | 1448.5 | 1447.2 | 1445.9 | 1446.9 | 1448.0 |
| 160°   | 1469.8 | 1471.3 | 1472.8 | 1473.6 | 1472.8 | 1471.3 | 1469.8 | 1468.2 | 1466.7 | 1466.9 | 1467.2 |
| 162.5° | 1486.4 | 1488.1 | 1489.9 | 1490.8 | 1490.0 | 1488.5 | 1487.0 | 1485.4 | 1483.9 | 1484.2 | 1484.4 |
| 165°   | 1502.4 | 1504.7 | 1507.0 | 1508.1 | 1507.1 | 1505.0 | 1503.0 | 1500.9 | 1498.9 | 1498.9 | 1498.9 |
| 167.5° | 1514.4 | 1517.0 | 1519.5 | 1520.8 | 1519.6 | 1517.3 | 1515.0 | 1512.7 | 1510.4 | 1510.7 | 1510.9 |
| 170°   | 1524.7 | 1527.3 | 1529.8 | 1531.1 | 1530.1 | 1528.0 | 1526.0 | 1523.9 | 1521.9 | 1521.7 | 1521.4 |
| 172.5° | 1531.0 | 1533.8 | 1536.6 | 1538.0 | 1537.0 | 1534.9 | 1532.9 | 1530.8 | 1528.8 | 1528.6 | 1528.3 |
| 175°   | 1536.1 | 1539.2 | 1542.3 | 1543.8 | 1542.6 | 1540.3 | 1538.0 | 1535.7 | 1533.4 | 1533.2 | 1532.9 |
| 177.5° | 1538.4 | 1541.5 | 1544.6 | 1546.1 | 1545.1 | 1543.0 | 1541.0 | 1538.9 | 1536.9 | 1536.4 | 1535.9 |
| 180°   | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°     | 953.4  | 953.4  | 953.4  | 953.4  | 953.4  | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 |
| 2.5°   | 978.0  | 974.1  | 971.8  | 971.0  | 964.1  | 960.3 | 958.0 | 956.4 | 954.1 | 948.0 | 942.6 |
| 5°     | 1014.8 | 1004.1 | 998.7  | 992.5  | 981.8  | 969.5 | 959.5 | 953.4 | 945.7 | 933.4 | 921.9 |
| 7.5°   | 1049.4 | 1033.3 | 1022.5 | 1014.1 | 995.6  | 975.6 | 959.5 | 946.5 | 931.9 | 915.0 | 898.8 |
| 10°    | 1085.5 | 1059.4 | 1045.6 | 1032.5 | 1005.6 | 979.5 | 956.4 | 937.2 | 916.5 | 894.2 | 876.5 |
| 12.5°  | 1113.9 | 1079.4 | 1064.0 | 1045.6 | 1012.5 | 981.8 | 952.6 | 926.5 | 899.6 | 875.8 | 850.4 |
| 15°    | 1147.0 | 1103.9 | 1086.3 | 1062.5 | 1017.1 | 977.2 | 939.5 | 911.1 | 883.5 | 848.1 | 821.2 |
| 17.5°  | 1166.2 | 1116.2 | 1090.9 | 1070.1 | 1021.0 | 972.6 | 928.8 | 893.4 | 861.2 | 825.8 | 797.4 |
| 20°    | 1185.4 | 1128.5 | 1100.1 | 1070.9 | 1012.5 | 961.0 | 915.0 | 872.7 | 838.9 | 800.5 | 771.3 |
| 22.5°  | 1191.5 | 1125.4 | 1095.5 | 1068.6 | 1007.1 | 949.5 | 896.5 | 853.5 | 814.3 | 775.9 | 742.9 |
| 25°    | 1191.5 | 1124.7 | 1089.3 | 1054.8 | 990.2  | 931.1 | 878.1 | 831.2 | 787.4 | 749.0 | 716.0 |
| 27.5°  | 1179.2 | 1109.3 | 1072.4 | 1040.9 | 974.1  | 910.3 | 855.8 | 804.3 | 762.1 | 723.7 | 686.0 |
| 30°    | 1163.9 | 1087.0 | 1050.2 | 1012.5 | 948.0  | 887.3 | 828.1 | 780.5 | 736.0 | 692.2 | 658.4 |
| 32.5°  | 1144.7 | 1063.2 | 1022.5 | 984.1  | 915.7  | 852.7 | 798.2 | 751.3 | 709.1 | 663.7 | 626.1 |
| 35°    | 1117.0 | 1027.9 | 982.6  | 948.8  | 882.7  | 817.4 | 765.2 | 719.1 | 678.3 | 631.5 | 590.8 |
| 37.5°  | 1081.7 | 995.6  | 949.5  | 908.0  | 839.7  | 779.7 | 730.6 | 686.0 | 646.1 | 603.1 | 557.7 |
| 40°    | 1040.2 | 950.3  | 910.3  | 866.6  | 794.3  | 737.5 | 691.4 | 651.5 | 611.5 | 570.8 | 527.0 |
| 42.5°  | 993.3  | 904.2  | 859.6  | 817.4  | 748.3  | 692.2 | 649.1 | 613.0 | 576.2 | 538.5 | 491.7 |
| 45°    | 937.2  | 853.5  | 810.5  | 770.5  | 703.7  | 646.1 | 606.9 | 572.3 | 540.8 | 502.4 | 460.9 |
| 47.5°  | 874.2  | 801.3  | 757.5  | 714.4  | 649.1  | 599.2 | 560.8 | 531.6 | 504.7 | 466.3 | 428.7 |
| 50°    | 812.8  | 740.6  | 705.2  | 661.4  | 601.5  | 554.7 | 515.5 | 490.9 | 470.2 | 432.5 | 398.7 |
| 52.5°  | 735.2  | 680.6  | 646.8  | 609.2  | 551.6  | 504.0 | 473.2 | 451.7 | 427.1 | 397.9 | 368.0 |
| 55°    | 666.8  | 616.1  | 589.2  | 553.9  | 497.0  | 454.8 | 428.7 | 408.7 | 389.5 | 363.4 | 339.6 |
| 57.5°  | 589.2  | 557.7  | 530.8  | 500.1  | 444.0  | 407.9 | 384.9 | 368.0 | 350.3 | 328.8 | 309.6 |
| 60°    | 507.8  | 493.2  | 467.1  | 442.5  | 394.9  | 363.4 | 344.2 | 328.8 | 311.9 | 294.2 | 278.1 |
| 62.5°  | 435.6  | 427.1  | 411.8  | 392.6  | 348.0  | 321.1 | 301.9 | 290.4 | 278.1 | 262.0 | 246.6 |
| 65°    | 367.2  | 363.4  | 348.8  | 334.9  | 304.2  | 280.4 | 263.5 | 256.6 | 242.8 | 230.5 | 216.6 |
| 67.5°  | 306.5  | 301.9  | 293.5  | 287.3  | 261.2  | 238.9 | 230.5 | 221.2 | 209.7 | 200.5 | 189.0 |
| 70°    | 245.1  | 244.3  | 238.9  | 231.2  | 217.4  | 201.3 | 192.8 | 186.7 | 175.2 | 168.2 | 159.8 |
| 72.5°  | 190.5  | 194.4  | 189.8  | 186.7  | 177.5  | 165.9 | 158.3 | 154.4 | 145.2 | 139.8 | 133.7 |
| 75°    | 142.1  | 145.2  | 147.5  | 142.1  | 139.8  | 134.4 | 127.5 | 123.7 | 119.1 | 111.4 | 109.1 |
| 77.5°  | 96.8   | 103.7  | 103.7  | 105.2  | 106.0  | 102.9 | 97.6  | 94.5  | 89.1  | 87.6  | 84.5  |
| 80°    | 63.8   | 69.9   | 70.7   | 72.2   | 74.5   | 74.5  | 70.7  | 69.9  | 64.5  | 63.8  | 61.5  |
| 82.5°  | 36.9   | 42.3   | 45.3   | 47.6   | 46.9   | 49.9  | 46.9  | 46.1  | 43.0  | 43.0  | 41.5  |
| 85°    | 20.0   | 20.7   | 22.3   | 23.8   | 25.4   | 26.9  | 26.9  | 26.1  | 25.4  | 24.6  | 23.0  |
| 87.5°  | 7.7    | 7.7    | 8.5    | 7.7    | 8.5    | 10.0  | 10.8  | 10.8  | 10.0  | 9.2   | 7.7   |
| 90°    | 19.2   | 17.1   | 16.1   | 14.7   | 11.9   | 9.1   | 6.3   | 3.5   | 6.3   | 9.1   | 11.9  |
| 92.5°  | 18.1   | 16.0   | 15.0   | 15.3   | 15.8   | 16.3  | 16.8  | 17.3  | 16.8  | 16.3  | 15.8  |
| 95°    | 24.6   | 24.3   | 24.2   | 28.5   | 37.2   | 45.9  | 54.6  | 63.3  | 54.6  | 45.9  | 37.2  |
| 97.5°  | 105.9  | 132.8  | 146.2  | 143.4  | 137.8  | 132.1 | 126.5 | 120.9 | 126.5 | 132.1 | 137.8 |
| 100°   | 156.6  | 191.9  | 209.5  | 207.2  | 202.6  | 198.0 | 193.4 | 188.8 | 193.4 | 198.0 | 202.6 |
| 102.5° | 283.2  | 280.1  | 278.6  | 277.1  | 274.0  | 270.9 | 267.9 | 264.8 | 267.9 | 270.9 | 274.0 |
| 105°   | 355.3  | 354.0  | 353.4  | 352.6  | 351.1  | 349.6 | 348.0 | 346.5 | 348.0 | 349.6 | 351.1 |
| 107.5° | 427.5  | 425.7  | 424.8  | 424.4  | 423.7  | 422.9 | 422.2 | 421.4 | 422.2 | 422.9 | 423.7 |
| 110°   | 503.1  | 501.6  | 500.8  | 500.4  | 499.6  | 498.9 | 498.1 | 497.3 | 498.1 | 498.9 | 499.6 |

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CATALOG NUMBER: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 578.7  | 578.2  | 577.9  | 577.1  | 575.6  | 574.1  | 572.5  | 571.0  | 572.5  | 574.1  | 575.6  |
| 115°   | 650.0  | 650.3  | 650.4  | 650.0  | 649.3  | 648.5  | 647.8  | 647.0  | 647.8  | 648.5  | 649.3  |
| 117.5° | 720.7  | 719.9  | 719.5  | 719.0  | 718.0  | 716.9  | 715.9  | 714.9  | 715.9  | 716.9  | 718.0  |
| 120°   | 788.2  | 788.5  | 788.6  | 788.1  | 787.1  | 786.0  | 785.0  | 784.0  | 785.0  | 786.0  | 787.1  |
| 122.5° | 851.6  | 851.1  | 850.8  | 850.5  | 850.0  | 849.5  | 849.0  | 848.5  | 849.0  | 849.5  | 850.0  |
| 125°   | 913.3  | 913.8  | 914.1  | 913.6  | 912.6  | 911.5  | 910.5  | 909.5  | 910.5  | 911.5  | 912.6  |
| 127.5° | 971.2  | 969.9  | 969.3  | 969.2  | 968.9  | 968.7  | 968.4  | 968.2  | 968.4  | 968.7  | 968.9  |
| 130°   | 1026.9 | 1026.1 | 1025.7 | 1025.6 | 1025.3 | 1025.1 | 1024.8 | 1024.6 | 1024.8 | 1025.1 | 1025.3 |
| 132.5° | 1080.2 | 1079.2 | 1078.7 | 1078.4 | 1077.9 | 1077.4 | 1076.9 | 1076.4 | 1076.9 | 1077.4 | 1077.9 |
| 135°   | 1128.6 | 1127.6 | 1127.1 | 1127.2 | 1127.5 | 1127.7 | 1128.0 | 1128.2 | 1128.0 | 1127.7 | 1127.5 |
| 137.5° | 1176.2 | 1174.9 | 1174.3 | 1174.3 | 1174.3 | 1174.3 | 1174.3 | 1174.3 | 1174.3 | 1174.3 | 1174.3 |
| 140°   | 1222.3 | 1221.8 | 1221.5 | 1221.2 | 1220.7 | 1220.2 | 1219.7 | 1219.2 | 1219.7 | 1220.2 | 1220.7 |
| 142.5° | 1264.5 | 1264.2 | 1264.1 | 1263.6 | 1262.5 | 1261.5 | 1260.4 | 1259.4 | 1260.4 | 1261.5 | 1262.5 |
| 145°   | 1304.3 | 1304.3 | 1304.3 | 1303.9 | 1303.2 | 1302.4 | 1301.7 | 1300.9 | 1301.7 | 1302.4 | 1303.2 |
| 147.5° | 1339.6 | 1339.9 | 1340.0 | 1339.2 | 1337.7 | 1336.2 | 1334.6 | 1333.1 | 1334.6 | 1336.2 | 1337.7 |
| 150°   | 1373.0 | 1373.3 | 1373.4 | 1372.9 | 1371.9 | 1370.8 | 1369.8 | 1368.8 | 1369.8 | 1370.8 | 1371.9 |
| 152.5° | 1401.4 | 1401.9 | 1402.2 | 1401.8 | 1401.0 | 1400.3 | 1399.5 | 1398.7 | 1399.5 | 1400.3 | 1401.0 |
| 155°   | 1426.4 | 1427.1 | 1427.5 | 1427.4 | 1427.1 | 1426.9 | 1426.6 | 1426.4 | 1426.6 | 1426.9 | 1427.1 |
| 157.5° | 1449.0 | 1450.1 | 1450.6 | 1450.6 | 1450.6 | 1450.6 | 1450.6 | 1450.6 | 1450.6 | 1450.6 | 1450.6 |
| 160°   | 1467.4 | 1467.7 | 1467.8 | 1468.2 | 1469.0 | 1469.7 | 1470.5 | 1471.3 | 1470.5 | 1469.7 | 1469.0 |
| 162.5° | 1484.7 | 1485.0 | 1485.1 | 1485.6 | 1486.6 | 1487.7 | 1488.7 | 1489.7 | 1488.7 | 1487.7 | 1486.6 |
| 165°   | 1498.9 | 1498.9 | 1498.9 | 1499.5 | 1500.8 | 1502.1 | 1503.4 | 1504.7 | 1503.4 | 1502.1 | 1500.8 |
| 167.5° | 1511.2 | 1511.5 | 1511.6 | 1512.2 | 1513.5 | 1514.8 | 1516.0 | 1517.3 | 1516.0 | 1514.8 | 1513.5 |
| 170°   | 1521.2 | 1520.9 | 1520.8 | 1521.6 | 1523.1 | 1524.6 | 1526.2 | 1527.7 | 1526.2 | 1524.6 | 1523.1 |
| 172.5° | 1528.1 | 1527.8 | 1527.7 | 1528.5 | 1530.0 | 1531.5 | 1533.1 | 1534.6 | 1533.1 | 1531.5 | 1530.0 |
| 175°   | 1532.7 | 1532.4 | 1532.3 | 1533.1 | 1534.6 | 1536.1 | 1537.7 | 1539.2 | 1537.7 | 1536.1 | 1534.6 |
| 177.5° | 1535.4 | 1534.9 | 1534.6 | 1535.5 | 1537.3 | 1539.1 | 1540.9 | 1542.7 | 1540.9 | 1539.1 | 1537.3 |
| 180°   | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 |

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CATALOG NUMBER: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 953.4 | 953.4  | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 |
| 2.5°   | 938.0 | 936.5  | 934.9 | 928.8 | 923.4 | 914.2 | 906.5 | 903.4 | 902.7 | 903.4 | 901.1 |
| 5°     | 911.1 | 910.3  | 905.0 | 894.2 | 884.2 | 873.5 | 865.8 | 858.1 | 853.5 | 853.5 | 848.1 |
| 7.5°   | 885.8 | 880.4  | 875.8 | 861.9 | 850.4 | 835.8 | 824.3 | 817.4 | 813.6 | 805.1 | 805.1 |
| 10°    | 858.9 | 851.2  | 845.0 | 832.0 | 815.1 | 800.5 | 785.9 | 777.4 | 770.5 | 764.4 | 762.1 |
| 12.5°  | 832.0 | 825.8  | 814.3 | 800.5 | 783.6 | 765.2 | 749.8 | 743.6 | 727.5 | 714.4 | 715.2 |
| 15°    | 806.6 | 792.8  | 787.4 | 767.5 | 747.5 | 729.8 | 707.5 | 689.9 | 676.8 | 668.4 | 657.6 |
| 17.5°  | 778.2 | 764.4  | 754.4 | 737.5 | 711.4 | 683.7 | 662.2 | 638.4 | 625.3 | 610.7 | 603.8 |
| 20°    | 746.7 | 735.2  | 727.5 | 700.6 | 669.1 | 636.1 | 612.3 | 597.7 | 583.1 | 572.3 | 566.2 |
| 22.5°  | 719.8 | 705.2  | 696.0 | 659.9 | 625.3 | 592.3 | 573.9 | 561.6 | 549.3 | 540.1 | 537.0 |
| 25°    | 685.3 | 676.8  | 654.5 | 623.0 | 580.8 | 558.5 | 542.4 | 526.2 | 519.3 | 513.2 | 506.3 |
| 27.5°  | 656.8 | 636.1  | 620.7 | 579.2 | 553.1 | 527.8 | 511.6 | 499.3 | 490.9 | 484.7 | 479.4 |
| 30°    | 621.5 | 602.3  | 580.8 | 546.2 | 522.4 | 498.6 | 484.0 | 474.0 | 464.8 | 460.9 | 456.3 |
| 32.5°  | 584.6 | 566.9  | 546.2 | 518.6 | 489.4 | 470.9 | 459.4 | 448.6 | 442.5 | 438.7 | 433.3 |
| 35°    | 551.6 | 529.3  | 515.5 | 489.4 | 465.5 | 444.8 | 434.0 | 424.8 | 417.9 | 416.4 | 415.6 |
| 37.5°  | 516.2 | 499.3  | 486.3 | 459.4 | 439.4 | 421.8 | 411.8 | 401.8 | 397.9 | 397.2 | 394.1 |
| 40°    | 485.5 | 470.9  | 458.6 | 433.3 | 411.8 | 395.6 | 388.0 | 381.8 | 378.0 | 378.0 | 377.2 |
| 42.5°  | 458.6 | 443.3  | 431.0 | 407.9 | 388.7 | 374.1 | 365.7 | 359.5 | 358.0 | 358.8 | 358.0 |
| 45°    | 428.7 | 415.6  | 403.3 | 379.5 | 363.4 | 352.6 | 343.4 | 340.3 | 338.0 | 338.8 | 339.6 |
| 47.5°  | 400.2 | 389.5  | 377.2 | 358.0 | 339.6 | 328.0 | 322.7 | 319.6 | 319.6 | 319.6 | 321.1 |
| 50°    | 374.9 | 362.6  | 351.8 | 331.9 | 315.0 | 305.8 | 301.1 | 297.3 | 298.1 | 298.8 | 299.6 |
| 52.5°  | 344.9 | 334.2  | 326.5 | 306.5 | 294.2 | 282.7 | 277.3 | 278.1 | 277.3 | 277.3 | 278.9 |
| 55°    | 318.8 | 308.1  | 300.4 | 281.9 | 269.6 | 262.0 | 257.4 | 255.1 | 255.8 | 254.3 | 257.4 |
| 57.5°  | 289.6 | 280.4  | 275.0 | 257.4 | 246.6 | 239.7 | 235.8 | 232.0 | 233.5 | 232.8 | 232.0 |
| 60°    | 264.3 | 253.5  | 245.1 | 232.8 | 223.6 | 215.1 | 212.8 | 209.0 | 210.5 | 209.0 | 208.2 |
| 62.5°  | 235.1 | 226.6  | 220.5 | 208.2 | 200.5 | 193.6 | 188.2 | 185.9 | 185.1 | 182.8 | 180.5 |
| 65°    | 205.9 | 201.3  | 195.1 | 182.8 | 175.2 | 169.8 | 166.7 | 164.4 | 163.6 | 157.5 | 150.6 |
| 67.5°  | 179.0 | 175.9  | 169.8 | 160.6 | 153.6 | 148.3 | 143.7 | 139.8 | 135.2 | 130.6 | 126.8 |
| 70°    | 153.6 | 149.0  | 145.2 | 136.7 | 130.6 | 125.2 | 120.6 | 116.0 | 113.7 | 109.1 | 107.6 |
| 72.5°  | 129.1 | 124.5  | 120.6 | 112.9 | 107.6 | 102.2 | 100.6 | 95.3  | 93.0  | 92.2  | 92.2  |
| 75°    | 103.7 | 99.9   | 97.6  | 90.7  | 86.0  | 82.2  | 79.9  | 78.4  | 76.8  | 75.3  | 73.0  |
| 77.5°  | 79.1  | 76.8   | 75.3  | 70.7  | 66.8  | 64.5  | 63.8  | 58.4  | 56.8  | 55.3  | 53.8  |
| 80°    | 57.6  | 56.8   | 55.3  | 51.5  | 49.9  | 44.6  | 44.6  | 43.0  | 42.3  | 42.3  | 42.3  |
| 82.5°  | 39.2  | 37.6   | 36.9  | 33.0  | 32.3  | 31.5  | 30.7  | 30.0  | 30.7  | 30.0  | 30.7  |
| 85°    | 20.7  | 20.0   | 19.2  | 19.2  | 19.2  | 19.2  | 19.2  | 19.2  | 19.2  | 18.4  | 19.2  |
| 87.5°  | 7.7   | 7.7    | 7.7   | 7.7   | 6.9   | 7.7   | 7.7   | 6.9   | 7.7   | 7.7   | 7.7   |
| 90°    | 14.7  | 16.1   | 17.1  | 19.2  | 21.2  | 23.3  | 25.3  | 26.8  | 28.4  | 29.9  | 31.4  |
| 92.5°  | 15.3  | 15.0   | 16.0  | 18.1  | 20.1  | 22.2  | 24.2  | 25.7  | 27.3  | 28.8  | 30.3  |
| 95°    | 28.5  | 24.2   | 24.3  | 24.6  | 24.8  | 25.1  | 25.3  | 26.8  | 28.4  | 29.9  | 31.4  |
| 97.5°  | 143.4 | 146.2  | 132.8 | 105.9 | 79.0  | 52.2  | 25.3  | 26.6  | 27.9  | 29.2  | 30.5  |
| 100°   | 207.2 | 209.5  | 191.9 | 156.6 | 121.3 | 86.0  | 50.7  | 46.3  | 42.0  | 37.6  | 33.3  |
| 102.5° | 277.1 | 278.6  | 280.1 | 283.2 | 286.3 | 289.3 | 292.4 | 234.8 | 177.3 | 119.7 | 62.2  |
| 105°   | 352.6 | 353.4  | 354.0 | 355.3 | 356.6 | 357.9 | 359.2 | 361.5 | 363.8 | 366.1 | 368.4 |
| 107.5° | 424.4 | 424.8  | 425.7 | 427.5 | 429.3 | 431.1 | 432.9 | 434.2 | 435.4 | 436.7 | 438.0 |
| 110°   | 500.4 | 500.8  | 501.6 | 503.1 | 504.6 | 506.2 | 507.7 | 508.2 | 508.7 | 509.2 | 509.7 |

TEST NUMBER: P1013358

CATALOG NUMBER: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 577.1  | 577.9  | 578.2  | 578.7  | 579.2  | 579.7  | 580.2  | 580.0  | 579.7  | 579.5  | 579.2  |
| 115°   | 650.0  | 650.4  | 650.3  | 650.0  | 649.8  | 649.5  | 649.3  | 649.8  | 650.3  | 650.8  | 651.3  |
| 117.5° | 719.0  | 719.5  | 719.9  | 720.7  | 721.4  | 722.2  | 723.0  | 722.7  | 722.5  | 722.2  | 721.9  |
| 120°   | 788.1  | 788.6  | 788.5  | 788.2  | 787.9  | 787.7  | 787.4  | 787.9  | 788.4  | 788.9  | 789.4  |
| 122.5° | 850.5  | 850.8  | 851.1  | 851.6  | 852.1  | 852.6  | 853.1  | 853.3  | 853.6  | 853.8  | 854.1  |
| 125°   | 913.6  | 914.1  | 913.8  | 913.3  | 912.8  | 912.3  | 911.8  | 912.6  | 913.3  | 914.1  | 914.8  |
| 127.5° | 969.2  | 969.3  | 969.9  | 971.2  | 972.5  | 973.8  | 975.1  | 974.8  | 974.6  | 974.3  | 974.0  |
| 130°   | 1025.6 | 1025.7 | 1026.1 | 1026.9 | 1027.6 | 1028.4 | 1029.2 | 1029.5 | 1029.7 | 1030.0 | 1030.3 |
| 132.5° | 1078.4 | 1078.7 | 1079.2 | 1080.2 | 1081.3 | 1082.3 | 1083.3 | 1083.6 | 1083.8 | 1084.1 | 1084.4 |
| 135°   | 1127.2 | 1127.1 | 1127.6 | 1128.6 | 1129.7 | 1130.7 | 1131.7 | 1132.2 | 1132.7 | 1133.2 | 1133.7 |
| 137.5° | 1174.3 | 1174.3 | 1174.9 | 1176.2 | 1177.5 | 1178.7 | 1180.0 | 1180.5 | 1181.0 | 1181.5 | 1182.0 |
| 140°   | 1221.2 | 1221.5 | 1221.8 | 1222.3 | 1222.8 | 1223.3 | 1223.8 | 1224.6 | 1225.3 | 1226.1 | 1226.8 |
| 142.5° | 1263.6 | 1264.1 | 1264.2 | 1264.5 | 1264.7 | 1265.0 | 1265.2 | 1265.7 | 1266.2 | 1266.7 | 1267.2 |
| 145°   | 1303.9 | 1304.3 | 1304.3 | 1304.3 | 1304.3 | 1304.3 | 1304.3 | 1304.6 | 1304.8 | 1305.1 | 1305.4 |
| 147.5° | 1339.2 | 1340.0 | 1339.9 | 1339.6 | 1339.4 | 1339.1 | 1338.9 | 1339.1 | 1339.4 | 1339.6 | 1339.9 |
| 150°   | 1372.9 | 1373.4 | 1373.3 | 1373.0 | 1372.8 | 1372.5 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 |
| 152.5° | 1401.8 | 1402.2 | 1401.9 | 1401.4 | 1400.9 | 1400.4 | 1399.9 | 1400.4 | 1400.9 | 1401.4 | 1401.9 |
| 155°   | 1427.4 | 1427.5 | 1427.1 | 1426.4 | 1425.6 | 1424.9 | 1424.1 | 1425.1 | 1426.1 | 1427.2 | 1428.2 |
| 157.5° | 1450.6 | 1450.6 | 1450.1 | 1449.0 | 1448.0 | 1446.9 | 1445.9 | 1447.2 | 1448.5 | 1449.8 | 1451.1 |
| 160°   | 1468.2 | 1467.8 | 1467.7 | 1467.4 | 1467.2 | 1466.9 | 1466.7 | 1468.2 | 1469.8 | 1471.3 | 1472.8 |
| 162.5° | 1485.6 | 1485.1 | 1485.0 | 1484.7 | 1484.4 | 1484.2 | 1483.9 | 1485.4 | 1487.0 | 1488.5 | 1490.0 |
| 165°   | 1499.5 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1500.9 | 1503.0 | 1505.0 | 1507.1 |
| 167.5° | 1512.2 | 1511.6 | 1511.5 | 1511.2 | 1510.9 | 1510.7 | 1510.4 | 1512.7 | 1515.0 | 1517.3 | 1519.6 |
| 170°   | 1521.6 | 1520.8 | 1520.9 | 1521.2 | 1521.4 | 1521.7 | 1521.9 | 1523.9 | 1526.0 | 1528.0 | 1530.1 |
| 172.5° | 1528.5 | 1527.7 | 1527.8 | 1528.1 | 1528.3 | 1528.6 | 1528.8 | 1530.8 | 1532.9 | 1534.9 | 1537.0 |
| 175°   | 1533.1 | 1532.3 | 1532.4 | 1532.7 | 1532.9 | 1533.2 | 1533.4 | 1535.7 | 1538.0 | 1540.3 | 1542.6 |
| 177.5° | 1535.5 | 1534.6 | 1534.9 | 1535.4 | 1535.9 | 1536.4 | 1536.9 | 1538.9 | 1541.0 | 1543.0 | 1545.1 |
| 180°   | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 |

TEST NUMBER: P1013358

CATALOG NUMBER: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 953.4  | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4  |
| 2.5°   | 901.1  | 904.2 | 900.4 | 902.7 | 897.3 | 896.5 | 897.3 | 897.3 | 898.1 | 898.8 | 899.6  |
| 5°     | 850.4  | 849.7 | 845.0 | 842.0 | 839.7 | 842.0 | 843.5 | 845.0 | 843.5 | 845.0 | 845.8  |
| 7.5°   | 802.8  | 800.5 | 798.2 | 792.8 | 794.3 | 792.8 | 797.4 | 795.1 | 795.1 | 799.0 | 802.0  |
| 10°    | 760.5  | 755.9 | 754.4 | 748.3 | 743.6 | 742.9 | 748.3 | 750.6 | 752.9 | 754.4 | 760.5  |
| 12.5°  | 706.0  | 699.1 | 693.7 | 696.0 | 683.0 | 688.3 | 689.9 | 686.8 | 696.0 | 706.8 | 700.6  |
| 15°    | 647.6  | 648.4 | 637.6 | 633.8 | 623.0 | 626.1 | 626.9 | 634.6 | 642.2 | 641.5 | 650.7  |
| 17.5°  | 604.6  | 600.0 | 590.8 | 590.0 | 585.4 | 587.7 | 586.9 | 593.1 | 590.8 | 594.6 | 602.3  |
| 20°    | 564.6  | 561.6 | 553.9 | 550.8 | 552.4 | 550.8 | 551.6 | 552.4 | 554.7 | 563.1 | 561.6  |
| 22.5°  | 533.1  | 529.3 | 529.3 | 525.5 | 520.9 | 519.3 | 523.2 | 525.5 | 528.5 | 530.1 | 533.9  |
| 25°    | 505.5  | 502.4 | 498.6 | 496.3 | 492.4 | 493.2 | 495.5 | 498.6 | 500.9 | 504.0 | 507.0  |
| 27.5°  | 477.1  | 477.1 | 473.2 | 472.5 | 470.9 | 470.2 | 473.2 | 474.8 | 474.8 | 477.1 | 480.1  |
| 30°    | 454.8  | 454.8 | 450.9 | 450.2 | 449.4 | 449.4 | 451.7 | 452.5 | 453.3 | 455.6 | 457.1  |
| 32.5°  | 433.3  | 432.5 | 431.0 | 431.7 | 431.0 | 431.7 | 431.7 | 432.5 | 434.0 | 434.8 | 437.9  |
| 35°    | 413.3  | 414.1 | 412.5 | 412.5 | 411.8 | 412.5 | 414.1 | 414.8 | 415.6 | 417.1 | 417.1  |
| 37.5°  | 394.1  | 395.6 | 394.9 | 397.2 | 397.2 | 397.2 | 397.2 | 398.7 | 398.7 | 398.7 | 397.9  |
| 40°    | 377.2  | 377.2 | 376.4 | 378.0 | 379.5 | 379.5 | 380.3 | 380.3 | 381.0 | 381.0 | 380.3  |
| 42.5°  | 358.0  | 359.5 | 361.8 | 362.6 | 364.1 | 363.4 | 365.7 | 364.9 | 365.7 | 364.1 | 362.6  |
| 45°    | 340.3  | 340.3 | 343.4 | 346.5 | 347.2 | 347.2 | 347.2 | 348.8 | 347.2 | 344.9 | 344.2  |
| 47.5°  | 321.1  | 322.7 | 324.2 | 328.0 | 328.8 | 328.8 | 328.8 | 328.8 | 327.3 | 327.3 | 327.3  |
| 50°    | 301.9  | 302.7 | 303.4 | 305.0 | 307.3 | 306.5 | 306.5 | 306.5 | 309.6 | 306.5 | 307.3  |
| 52.5°  | 278.9  | 279.6 | 280.4 | 283.5 | 282.7 | 282.7 | 283.5 | 283.5 | 285.8 | 285.0 | 283.5  |
| 55°    | 255.8  | 255.8 | 257.4 | 257.4 | 257.4 | 258.9 | 259.7 | 261.2 | 260.4 | 261.2 | 262.0  |
| 57.5°  | 232.8  | 231.2 | 230.5 | 230.5 | 232.8 | 232.0 | 232.8 | 232.8 | 235.8 | 237.4 | 238.1  |
| 60°    | 205.9  | 205.9 | 205.1 | 200.5 | 200.5 | 199.7 | 202.0 | 203.6 | 205.1 | 212.0 | 211.3  |
| 62.5°  | 178.2  | 175.2 | 172.1 | 172.9 | 168.2 | 170.5 | 169.0 | 170.5 | 175.2 | 180.5 | 181.3  |
| 65°    | 150.6  | 148.3 | 145.2 | 144.4 | 142.9 | 145.2 | 144.4 | 145.2 | 147.5 | 150.6 | 154.4  |
| 67.5°  | 126.0  | 125.2 | 123.7 | 122.9 | 122.9 | 122.9 | 124.5 | 124.5 | 125.2 | 127.5 | 129.8  |
| 70°    | 107.6  | 106.8 | 107.6 | 106.0 | 106.8 | 106.0 | 106.8 | 107.6 | 108.3 | 109.1 | 111.4  |
| 72.5°  | 90.7   | 90.7  | 90.7  | 89.1  | 90.7  | 89.9  | 89.9  | 90.7  | 91.4  | 92.2  | 93.7   |
| 75°    | 72.2   | 70.7  | 69.1  | 67.6  | 66.8  | 68.4  | 69.1  | 68.4  | 70.7  | 73.7  | 73.7   |
| 77.5°  | 54.5   | 53.8  | 53.8  | 53.8  | 54.5  | 53.8  | 55.3  | 54.5  | 55.3  | 55.3  | 56.8   |
| 80°    | 42.3   | 41.5  | 42.3  | 42.3  | 41.5  | 43.0  | 42.3  | 42.3  | 43.0  | 43.8  | 43.0   |
| 82.5°  | 30.7   | 31.5  | 30.7  | 30.7  | 30.7  | 32.3  | 30.7  | 30.7  | 30.7  | 31.5  | 31.5   |
| 85°    | 19.2   | 19.2  | 19.2  | 19.2  | 20.0  | 19.2  | 20.0  | 19.2  | 20.7  | 20.0  | 20.0   |
| 87.5°  | 6.9    | 7.7   | 8.5   | 8.5   | 8.5   | 8.5   | 7.7   | 8.5   | 9.2   | 8.5   | 9.2    |
| 90°    | 32.2   | 32.5  | 33.0  | 33.5  | 34.0  | 34.5  | 34.0  | 33.5  | 33.0  | 32.5  | 32.2   |
| 92.5°  | 31.1   | 31.1  | 31.1  | 31.1  | 31.1  | 31.1  | 31.1  | 31.1  | 31.1  | 31.1  | 31.1   |
| 95°    | 32.2   | 32.3  | 32.6  | 32.9  | 33.1  | 33.4  | 33.1  | 32.9  | 32.6  | 32.3  | 32.2   |
| 97.5°  | 31.1   | 31.2  | 31.5  | 31.7  | 32.0  | 32.2  | 32.0  | 31.7  | 31.5  | 31.2  | 31.1   |
| 100°   | 31.1   | 31.2  | 31.5  | 31.7  | 32.0  | 32.2  | 32.0  | 31.7  | 31.5  | 31.2  | 31.1   |
| 102.5° | 33.4   | 33.4  | 33.4  | 33.4  | 33.4  | 33.4  | 33.4  | 33.4  | 33.4  | 33.4  | 33.4   |
| 105°   | 369.5  | 364.9 | 355.7 | 346.5 | 337.3 | 328.1 | 337.3 | 346.5 | 355.7 | 364.9 | 369.5  |
| 107.5° | 438.6  | 439.1 | 440.1 | 441.2 | 442.2 | 443.2 | 442.2 | 441.2 | 440.1 | 439.1 | 438.6  |
| 110°   | 510.0  | 510.4 | 511.1 | 511.9 | 512.6 | 513.4 | 512.6 | 511.9 | 511.1 | 510.4 | 510.0  |

TEST NUMBER: P1013358

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 579.1  | 579.6  | 580.6  | 581.7  | 582.7  | 583.7  | 582.7  | 581.7  | 580.6  | 579.6  | 579.1  |
| 115°   | 651.6  | 651.6  | 651.6  | 651.6  | 651.6  | 651.6  | 651.6  | 651.6  | 651.6  | 651.6  | 651.6  |
| 117.5° | 721.8  | 721.8  | 721.8  | 721.8  | 721.8  | 721.8  | 721.8  | 721.8  | 721.8  | 721.8  | 721.8  |
| 120°   | 789.7  | 789.4  | 788.9  | 788.4  | 787.9  | 787.4  | 787.9  | 788.4  | 788.9  | 789.4  | 789.7  |
| 122.5° | 854.2  | 853.9  | 853.4  | 852.9  | 852.4  | 851.9  | 852.4  | 852.9  | 853.4  | 853.9  | 854.2  |
| 125°   | 915.2  | 915.3  | 915.6  | 915.9  | 916.1  | 916.4  | 916.1  | 915.9  | 915.6  | 915.3  | 915.2  |
| 127.5° | 973.9  | 973.8  | 973.5  | 973.3  | 973.0  | 972.8  | 973.0  | 973.3  | 973.5  | 973.8  | 973.9  |
| 130°   | 1030.4 | 1030.4 | 1030.4 | 1030.4 | 1030.4 | 1030.4 | 1030.4 | 1030.4 | 1030.4 | 1030.4 | 1030.4 |
| 132.5° | 1084.5 | 1084.4 | 1084.1 | 1083.8 | 1083.6 | 1083.3 | 1083.6 | 1083.8 | 1084.1 | 1084.4 | 1084.5 |
| 135°   | 1134.0 | 1134.3 | 1134.8 | 1135.3 | 1135.8 | 1136.3 | 1135.8 | 1135.3 | 1134.8 | 1134.3 | 1134.0 |
| 137.5° | 1182.3 | 1182.2 | 1181.9 | 1181.7 | 1181.4 | 1181.2 | 1181.4 | 1181.7 | 1181.9 | 1182.2 | 1182.3 |
| 140°   | 1227.2 | 1227.3 | 1227.6 | 1227.9 | 1228.1 | 1228.4 | 1228.1 | 1227.9 | 1227.6 | 1227.3 | 1227.2 |
| 142.5° | 1267.5 | 1267.5 | 1267.5 | 1267.5 | 1267.5 | 1267.5 | 1267.5 | 1267.5 | 1267.5 | 1267.5 | 1267.5 |
| 145°   | 1305.5 | 1305.8 | 1306.3 | 1306.8 | 1307.3 | 1307.8 | 1307.3 | 1306.8 | 1306.3 | 1305.8 | 1305.5 |
| 147.5° | 1340.0 | 1340.1 | 1340.4 | 1340.7 | 1340.9 | 1341.2 | 1340.9 | 1340.7 | 1340.4 | 1340.1 | 1340.0 |
| 150°   | 1372.3 | 1372.4 | 1372.7 | 1372.9 | 1373.2 | 1373.4 | 1373.2 | 1372.9 | 1372.7 | 1372.4 | 1372.3 |
| 152.5° | 1402.2 | 1402.1 | 1401.8 | 1401.6 | 1401.3 | 1401.1 | 1401.3 | 1401.6 | 1401.8 | 1402.1 | 1402.2 |
| 155°   | 1428.7 | 1428.3 | 1427.5 | 1426.8 | 1426.0 | 1425.2 | 1426.0 | 1426.8 | 1427.5 | 1428.3 | 1428.7 |
| 157.5° | 1451.7 | 1451.1 | 1449.8 | 1448.5 | 1447.2 | 1445.9 | 1447.2 | 1448.5 | 1449.8 | 1451.1 | 1451.7 |
| 160°   | 1473.6 | 1472.8 | 1471.3 | 1469.8 | 1468.2 | 1466.7 | 1468.2 | 1469.8 | 1471.3 | 1472.8 | 1473.6 |
| 162.5° | 1490.8 | 1489.9 | 1488.1 | 1486.4 | 1484.6 | 1482.8 | 1484.6 | 1486.4 | 1488.1 | 1489.9 | 1490.8 |
| 165°   | 1508.1 | 1507.0 | 1504.7 | 1502.4 | 1500.1 | 1497.8 | 1500.1 | 1502.4 | 1504.7 | 1507.0 | 1508.1 |
| 167.5° | 1520.8 | 1519.5 | 1517.0 | 1514.4 | 1511.9 | 1509.3 | 1511.9 | 1514.4 | 1517.0 | 1519.5 | 1520.8 |
| 170°   | 1531.1 | 1529.8 | 1527.3 | 1524.7 | 1522.2 | 1519.6 | 1522.2 | 1524.7 | 1527.3 | 1529.8 | 1531.1 |
| 172.5° | 1538.0 | 1536.6 | 1533.8 | 1531.0 | 1528.2 | 1525.4 | 1528.2 | 1531.0 | 1533.8 | 1536.6 | 1538.0 |
| 175°   | 1543.8 | 1542.3 | 1539.2 | 1536.1 | 1533.1 | 1530.0 | 1533.1 | 1536.1 | 1539.2 | 1542.3 | 1543.8 |
| 177.5° | 1546.1 | 1544.6 | 1541.5 | 1538.4 | 1535.4 | 1532.3 | 1535.4 | 1538.4 | 1541.5 | 1544.6 | 1546.1 |
| 180°   | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4 | 953.4  | 953.4 |
| 2.5°   | 902.7 | 906.5 | 905.0 | 899.6 | 901.9 | 906.5 | 911.1 | 917.3 | 921.1 | 924.2  | 925.7 |
| 5°     | 849.7 | 856.6 | 855.0 | 855.0 | 858.1 | 865.8 | 873.5 | 886.5 | 891.1 | 896.5  | 904.2 |
| 7.5°   | 802.8 | 808.2 | 812.8 | 814.3 | 818.9 | 828.9 | 838.9 | 853.5 | 865.0 | 871.2  | 875.8 |
| 10°    | 761.3 | 765.2 | 772.1 | 775.9 | 780.5 | 792.8 | 807.4 | 822.8 | 834.3 | 845.0  | 851.2 |
| 12.5°  | 708.3 | 723.7 | 732.9 | 739.0 | 745.2 | 763.6 | 775.1 | 792.0 | 805.9 | 815.9  | 825.1 |
| 15°    | 649.1 | 667.6 | 673.0 | 696.8 | 712.1 | 726.7 | 744.4 | 764.4 | 777.4 | 789.0  | 801.3 |
| 17.5°  | 599.2 | 612.3 | 618.4 | 643.8 | 656.8 | 679.9 | 705.2 | 730.6 | 750.6 | 759.0  | 771.3 |
| 20°    | 567.7 | 574.6 | 586.9 | 595.4 | 609.2 | 636.1 | 663.7 | 694.5 | 724.4 | 732.9  | 745.2 |
| 22.5°  | 535.5 | 544.7 | 553.1 | 564.6 | 575.4 | 593.8 | 621.5 | 655.3 | 687.6 | 702.9  | 717.5 |
| 25°    | 506.3 | 515.5 | 520.9 | 533.1 | 543.1 | 561.6 | 580.8 | 615.3 | 653.8 | 666.8  | 689.9 |
| 27.5°  | 483.2 | 488.6 | 497.8 | 503.2 | 514.7 | 531.6 | 549.3 | 575.4 | 613.0 | 635.3  | 657.6 |
| 30°    | 460.2 | 464.0 | 471.7 | 479.4 | 487.8 | 499.3 | 519.3 | 544.7 | 579.2 | 598.4  | 620.7 |
| 32.5°  | 437.1 | 443.3 | 447.9 | 453.3 | 462.5 | 476.3 | 490.1 | 514.7 | 542.4 | 563.9  | 586.2 |
| 35°    | 417.9 | 420.2 | 426.4 | 432.5 | 438.7 | 450.9 | 465.5 | 489.4 | 513.9 | 530.8  | 550.8 |
| 37.5°  | 397.2 | 401.0 | 405.6 | 407.9 | 417.9 | 425.6 | 441.0 | 459.4 | 488.6 | 499.3  | 519.3 |
| 40°    | 381.0 | 380.3 | 384.9 | 388.7 | 393.3 | 405.6 | 414.8 | 434.8 | 457.9 | 474.8  | 487.1 |
| 42.5°  | 361.1 | 361.1 | 362.6 | 367.2 | 373.4 | 381.0 | 391.8 | 408.7 | 432.5 | 444.8  | 459.4 |
| 45°    | 344.9 | 342.6 | 343.4 | 346.5 | 350.3 | 358.0 | 368.7 | 383.3 | 407.2 | 417.1  | 432.5 |
| 47.5°  | 325.7 | 323.4 | 323.4 | 326.5 | 329.6 | 334.9 | 343.4 | 360.3 | 379.5 | 392.6  | 404.1 |
| 50°    | 304.2 | 305.0 | 304.2 | 306.5 | 308.1 | 313.4 | 322.7 | 336.5 | 354.2 | 364.9  | 378.0 |
| 52.5°  | 284.2 | 282.7 | 281.9 | 283.5 | 286.5 | 290.4 | 300.4 | 312.7 | 329.6 | 340.3  | 351.8 |
| 55°    | 259.7 | 261.2 | 261.2 | 261.2 | 265.8 | 267.3 | 275.0 | 287.3 | 304.2 | 312.7  | 323.4 |
| 57.5°  | 237.4 | 236.6 | 238.1 | 237.4 | 241.2 | 246.6 | 252.7 | 262.0 | 278.9 | 287.3  | 297.3 |
| 60°    | 212.8 | 213.6 | 214.3 | 214.3 | 217.4 | 222.8 | 229.7 | 238.1 | 252.0 | 260.4  | 269.6 |
| 62.5°  | 182.8 | 186.7 | 190.5 | 192.1 | 196.7 | 200.5 | 205.1 | 214.3 | 226.6 | 232.8  | 241.2 |
| 65°    | 154.4 | 159.8 | 165.2 | 169.0 | 172.1 | 175.9 | 182.1 | 190.5 | 200.5 | 206.7  | 215.1 |
| 67.5°  | 129.8 | 133.7 | 140.6 | 144.4 | 150.6 | 155.2 | 159.0 | 165.9 | 178.2 | 180.5  | 187.4 |
| 70°    | 112.2 | 113.7 | 116.8 | 119.8 | 126.8 | 130.6 | 135.2 | 142.1 | 151.3 | 156.7  | 160.6 |
| 72.5°  | 94.5  | 95.3  | 96.8  | 99.9  | 102.9 | 107.6 | 112.9 | 119.1 | 127.5 | 129.8  | 135.2 |
| 75°    | 75.3  | 79.9  | 79.9  | 82.2  | 84.5  | 86.8  | 91.4  | 97.6  | 102.9 | 106.8  | 109.9 |
| 77.5°  | 56.1  | 58.4  | 59.9  | 63.8  | 66.8  | 69.1  | 72.2  | 76.8  | 79.9  | 83.0   | 85.3  |
| 80°    | 43.8  | 44.6  | 45.3  | 45.3  | 46.9  | 49.9  | 53.0  | 56.1  | 59.9  | 61.5   | 63.8  |
| 82.5°  | 32.3  | 32.3  | 32.3  | 33.8  | 34.6  | 35.3  | 35.3  | 36.9  | 40.7  | 42.3   | 44.6  |
| 85°    | 20.7  | 20.7  | 20.7  | 20.7  | 21.5  | 22.3  | 23.0  | 23.8  | 23.8  | 23.8   | 25.4  |
| 87.5°  | 8.5   | 10.0  | 9.2   | 10.0  | 10.0  | 10.0  | 10.0  | 10.8  | 10.8  | 11.5   | 11.5  |
| 90°    | 31.4  | 29.9  | 28.4  | 26.8  | 25.3  | 23.3  | 21.2  | 19.2  | 17.1  | 16.1   | 14.7  |
| 92.5°  | 30.3  | 28.8  | 27.3  | 25.7  | 24.2  | 22.2  | 20.1  | 18.1  | 16.0  | 15.0   | 15.3  |
| 95°    | 31.4  | 29.9  | 28.4  | 26.8  | 25.3  | 25.1  | 24.8  | 24.6  | 24.3  | 24.2   | 28.5  |
| 97.5°  | 30.5  | 29.2  | 27.9  | 26.6  | 25.3  | 52.2  | 79.0  | 105.9 | 132.8 | 146.2  | 143.4 |
| 100°   | 33.3  | 37.6  | 42.0  | 46.3  | 50.7  | 86.0  | 121.3 | 156.6 | 191.9 | 209.5  | 207.2 |
| 102.5° | 62.2  | 119.7 | 177.3 | 234.8 | 292.4 | 289.3 | 286.3 | 283.2 | 280.1 | 278.6  | 277.1 |
| 105°   | 368.4 | 366.1 | 363.8 | 361.5 | 359.2 | 357.9 | 356.6 | 355.3 | 354.0 | 353.4  | 352.6 |
| 107.5° | 438.0 | 436.7 | 435.4 | 434.2 | 432.9 | 431.1 | 429.3 | 427.5 | 425.7 | 424.8  | 424.4 |
| 110°   | 509.7 | 509.2 | 508.7 | 508.2 | 507.7 | 506.2 | 504.6 | 503.1 | 501.6 | 500.8  | 500.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 579.2  | 579.5  | 579.7  | 580.0  | 580.2  | 579.7  | 579.2  | 578.7  | 578.2  | 577.9  | 577.1  |
| 115°   | 651.3  | 650.8  | 650.3  | 649.8  | 649.3  | 649.5  | 649.8  | 650.0  | 650.3  | 650.4  | 650.0  |
| 117.5° | 721.9  | 722.2  | 722.5  | 722.7  | 723.0  | 722.2  | 721.4  | 720.7  | 719.9  | 719.5  | 719.0  |
| 120°   | 789.4  | 788.9  | 788.4  | 787.9  | 787.4  | 787.7  | 787.9  | 788.2  | 788.5  | 788.6  | 788.1  |
| 122.5° | 854.1  | 853.8  | 853.6  | 853.3  | 853.1  | 852.6  | 852.1  | 851.6  | 851.1  | 850.8  | 850.5  |
| 125°   | 914.8  | 914.1  | 913.3  | 912.6  | 911.8  | 912.3  | 912.8  | 913.3  | 913.8  | 914.1  | 913.6  |
| 127.5° | 974.0  | 974.3  | 974.6  | 974.8  | 975.1  | 973.8  | 972.5  | 971.2  | 969.9  | 969.3  | 969.2  |
| 130°   | 1030.3 | 1030.0 | 1029.7 | 1029.5 | 1029.2 | 1028.4 | 1027.6 | 1026.9 | 1026.1 | 1025.7 | 1025.6 |
| 132.5° | 1084.4 | 1084.1 | 1083.8 | 1083.6 | 1083.3 | 1082.3 | 1081.3 | 1080.2 | 1079.2 | 1078.7 | 1078.4 |
| 135°   | 1133.7 | 1133.2 | 1132.7 | 1132.2 | 1131.7 | 1130.7 | 1129.7 | 1128.6 | 1127.6 | 1127.1 | 1127.2 |
| 137.5° | 1182.0 | 1181.5 | 1181.0 | 1180.5 | 1180.0 | 1178.7 | 1177.5 | 1176.2 | 1174.9 | 1174.3 | 1174.3 |
| 140°   | 1226.8 | 1226.1 | 1225.3 | 1224.6 | 1223.8 | 1223.3 | 1222.8 | 1222.3 | 1221.8 | 1221.5 | 1221.2 |
| 142.5° | 1267.2 | 1266.7 | 1266.2 | 1265.7 | 1265.2 | 1265.0 | 1264.7 | 1264.5 | 1264.2 | 1264.1 | 1263.6 |
| 145°   | 1305.4 | 1305.1 | 1304.8 | 1304.6 | 1304.3 | 1304.3 | 1304.3 | 1304.3 | 1304.3 | 1304.3 | 1303.9 |
| 147.5° | 1339.9 | 1339.6 | 1339.4 | 1339.1 | 1338.9 | 1339.1 | 1339.4 | 1339.6 | 1339.9 | 1340.0 | 1339.2 |
| 150°   | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.5 | 1372.8 | 1373.0 | 1373.3 | 1373.4 | 1372.9 |
| 152.5° | 1401.9 | 1401.4 | 1400.9 | 1400.4 | 1399.9 | 1400.4 | 1400.9 | 1401.4 | 1401.9 | 1402.2 | 1401.8 |
| 155°   | 1428.2 | 1427.2 | 1426.1 | 1425.1 | 1424.1 | 1424.9 | 1425.6 | 1426.4 | 1427.1 | 1427.5 | 1427.4 |
| 157.5° | 1451.1 | 1449.8 | 1448.5 | 1447.2 | 1445.9 | 1446.9 | 1448.0 | 1449.0 | 1450.1 | 1450.6 | 1450.6 |
| 160°   | 1472.8 | 1471.3 | 1469.8 | 1468.2 | 1466.7 | 1466.9 | 1467.2 | 1467.4 | 1467.7 | 1467.8 | 1468.2 |
| 162.5° | 1490.0 | 1488.5 | 1487.0 | 1485.4 | 1483.9 | 1484.2 | 1484.4 | 1484.7 | 1485.0 | 1485.1 | 1485.6 |
| 165°   | 1507.1 | 1505.0 | 1503.0 | 1500.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1499.5 |
| 167.5° | 1519.6 | 1517.3 | 1515.0 | 1512.7 | 1510.4 | 1510.7 | 1510.9 | 1511.2 | 1511.5 | 1511.6 | 1512.2 |
| 170°   | 1530.1 | 1528.0 | 1526.0 | 1523.9 | 1521.9 | 1521.7 | 1521.4 | 1521.2 | 1520.9 | 1520.8 | 1521.6 |
| 172.5° | 1537.0 | 1534.9 | 1532.9 | 1530.8 | 1528.8 | 1528.6 | 1528.3 | 1528.1 | 1527.8 | 1527.7 | 1528.5 |
| 175°   | 1542.6 | 1540.3 | 1538.0 | 1535.7 | 1533.4 | 1533.2 | 1532.9 | 1532.7 | 1532.4 | 1532.3 | 1533.1 |
| 177.5° | 1545.1 | 1543.0 | 1541.0 | 1538.9 | 1536.9 | 1536.4 | 1535.9 | 1535.4 | 1534.9 | 1534.6 | 1535.5 |
| 180°   | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 | 1539.2 |

TEST NUMBER: P1013358

CATALOG NUMBER: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 953.4 | 953.4 | 953.4 | 953.4 |
| 2.5°   | 931.9 | 936.5 | 944.1 | 954.9 |
| 5°     | 910.3 | 923.4 | 935.7 | 951.8 |
| 7.5°   | 891.1 | 906.5 | 923.4 | 946.5 |
| 10°    | 868.9 | 888.1 | 909.6 | 938.0 |
| 12.5°  | 842.7 | 869.6 | 894.2 | 924.9 |
| 15°    | 823.5 | 843.5 | 875.0 | 911.1 |
| 17.5°  | 796.6 | 823.5 | 855.0 | 895.8 |
| 20°    | 771.3 | 799.7 | 835.1 | 877.3 |
| 22.5°  | 744.4 | 776.7 | 812.0 | 857.3 |
| 25°    | 716.8 | 751.3 | 786.7 | 835.1 |
| 27.5°  | 691.4 | 722.9 | 762.8 | 812.0 |
| 30°    | 660.7 | 696.8 | 735.2 | 786.7 |
| 32.5°  | 630.7 | 668.4 | 707.5 | 759.0 |
| 35°    | 598.4 | 636.1 | 679.1 | 728.3 |
| 37.5°  | 566.9 | 608.4 | 647.6 | 695.2 |
| 40°    | 532.4 | 575.4 | 616.1 | 664.5 |
| 42.5°  | 498.6 | 543.1 | 583.9 | 625.3 |
| 45°    | 467.1 | 510.9 | 547.7 | 586.9 |
| 47.5°  | 437.1 | 476.3 | 513.9 | 549.3 |
| 50°    | 407.9 | 441.0 | 475.5 | 504.7 |
| 52.5°  | 377.2 | 408.7 | 436.4 | 462.5 |
| 55°    | 349.5 | 374.1 | 398.7 | 422.5 |
| 57.5°  | 316.5 | 341.1 | 362.6 | 381.0 |
| 60°    | 288.9 | 304.2 | 325.0 | 344.2 |
| 62.5°  | 257.4 | 275.0 | 291.2 | 303.4 |
| 65°    | 226.6 | 242.0 | 254.3 | 265.0 |
| 67.5°  | 200.5 | 209.7 | 218.9 | 230.5 |
| 70°    | 169.0 | 176.7 | 187.4 | 195.9 |
| 72.5°  | 142.1 | 148.3 | 153.6 | 163.6 |
| 75°    | 115.2 | 120.6 | 123.7 | 132.9 |
| 77.5°  | 89.1  | 94.5  | 96.8  | 102.2 |
| 80°    | 68.4  | 69.1  | 72.2  | 76.8  |
| 82.5°  | 46.9  | 48.4  | 49.2  | 53.0  |
| 85°    | 26.9  | 30.7  | 30.0  | 31.5  |
| 87.5°  | 11.5  | 12.3  | 13.8  | 15.4  |
| 90°    | 11.9  | 9.1   | 6.3   | 3.5   |
| 92.5°  | 15.8  | 16.3  | 16.8  | 17.3  |
| 95°    | 37.2  | 45.9  | 54.6  | 63.3  |
| 97.5°  | 137.8 | 132.1 | 126.5 | 120.9 |
| 100°   | 202.6 | 198.0 | 193.4 | 188.8 |
| 102.5° | 274.0 | 270.9 | 267.9 | 264.8 |
| 105°   | 351.1 | 349.6 | 348.0 | 346.5 |
| 107.5° | 423.7 | 422.9 | 422.2 | 421.4 |
| 110°   | 499.6 | 498.9 | 498.1 | 497.3 |

TEST NUMBER: P1013358

CATALOG NUMBER: S124RDIP-B575D1205UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 575.6  | 574.1  | 572.5  | 571.0  |
| 115°   | 649.3  | 648.5  | 647.8  | 647.0  |
| 117.5° | 718.0  | 716.9  | 715.9  | 714.9  |
| 120°   | 787.1  | 786.0  | 785.0  | 784.0  |
| 122.5° | 850.0  | 849.5  | 849.0  | 848.5  |
| 125°   | 912.6  | 911.5  | 910.5  | 909.5  |
| 127.5° | 968.9  | 968.7  | 968.4  | 968.2  |
| 130°   | 1025.3 | 1025.1 | 1024.8 | 1024.6 |
| 132.5° | 1077.9 | 1077.4 | 1076.9 | 1076.4 |
| 135°   | 1127.5 | 1127.7 | 1128.0 | 1128.2 |
| 137.5° | 1174.3 | 1174.3 | 1174.3 | 1174.3 |
| 140°   | 1220.7 | 1220.2 | 1219.7 | 1219.2 |
| 142.5° | 1262.5 | 1261.5 | 1260.4 | 1259.4 |
| 145°   | 1303.2 | 1302.4 | 1301.7 | 1300.9 |
| 147.5° | 1337.7 | 1336.2 | 1334.6 | 1333.1 |
| 150°   | 1371.9 | 1370.8 | 1369.8 | 1368.8 |
| 152.5° | 1401.0 | 1400.3 | 1399.5 | 1398.7 |
| 155°   | 1427.1 | 1426.9 | 1426.6 | 1426.4 |
| 157.5° | 1450.6 | 1450.6 | 1450.6 | 1450.6 |
| 160°   | 1469.0 | 1469.7 | 1470.5 | 1471.3 |
| 162.5° | 1486.6 | 1487.7 | 1488.7 | 1489.7 |
| 165°   | 1500.8 | 1502.1 | 1503.4 | 1504.7 |
| 167.5° | 1513.5 | 1514.8 | 1516.0 | 1517.3 |
| 170°   | 1523.1 | 1524.6 | 1526.2 | 1527.7 |
| 172.5° | 1530.0 | 1531.5 | 1533.1 | 1534.6 |
| 175°   | 1534.6 | 1536.1 | 1537.7 | 1539.2 |
| 177.5° | 1537.3 | 1539.1 | 1540.9 | 1542.7 |
| 180°   | 1539.2 | 1539.2 | 1539.2 | 1539.2 |

(END OF REPORT)