

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: P1013090

Luminaire Tested: S124DIP-B575D365UB2750-4F0-XX-W2A-A\_2700K

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1013090  
REPORT IS A COMBINATION OF REPORTS P996148 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124DIP-B575D365UB2750-4F0-XX-W2A-A\_2700K  
Description: Define 4 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

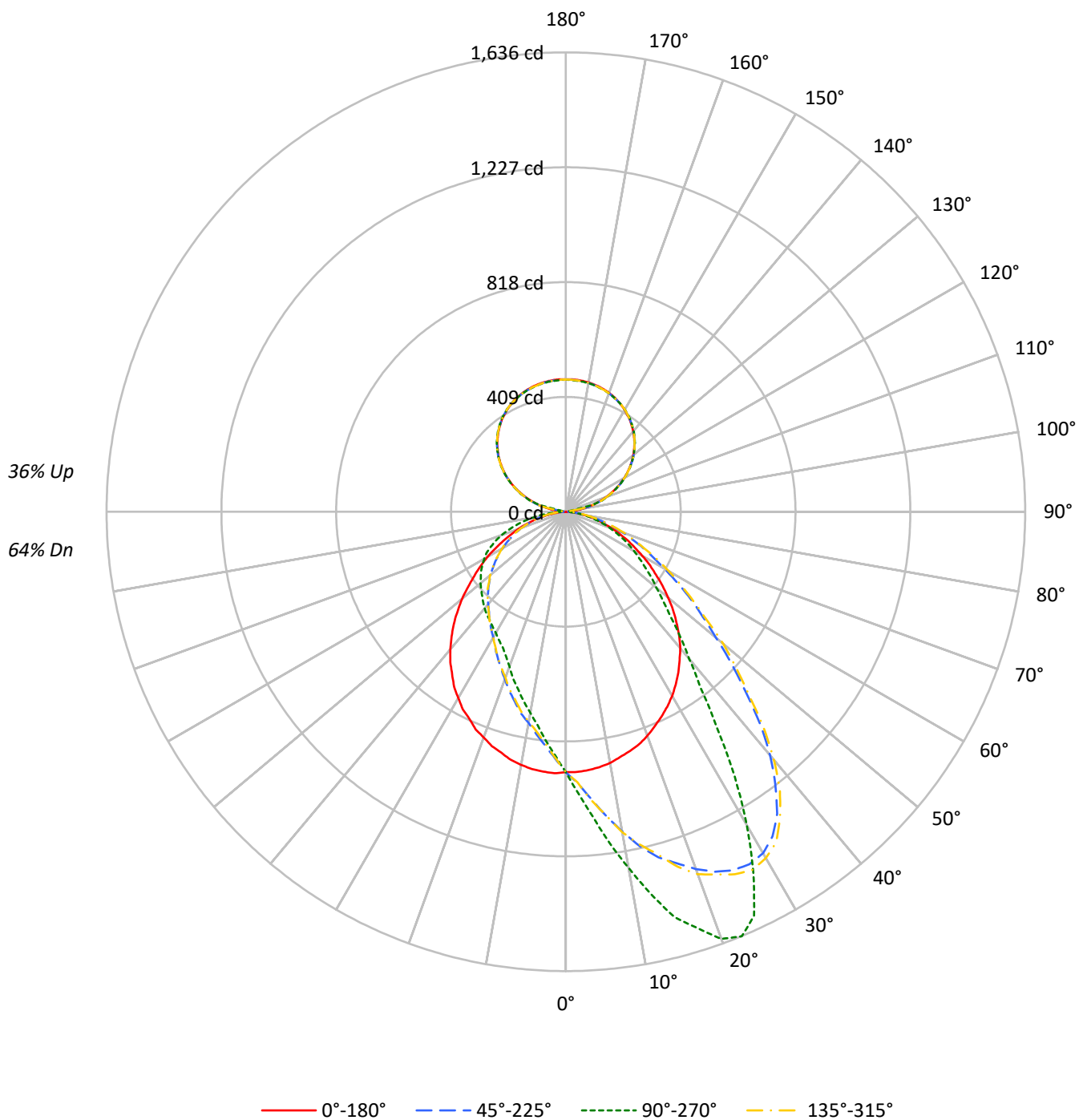
Lumens per Lamp: N/A  
Luminaire Lumens: 4018.0 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 33.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1013090

CATALOG NUMBER: S124DIP-B575D365UB2750-4F0-XX-W2A-A\_2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P1013090

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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   | 110 | 110 | 110 | 110 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 79 | 79 | 79 | 69 | 69 | 69 | 69 | 69 | 64 |
| 1   | 101 | 97  | 93  | 89  | 95  | 91  | 88  | 85  | 80 | 78 | 75 | 70 | 68 | 67 | 61 | 60 | 59 | 59 | 59 | 54 |
| 2   | 92  | 85  | 79  | 74  | 86  | 80  | 75  | 70  | 71 | 67 | 63 | 62 | 59 | 56 | 54 | 52 | 50 | 50 | 50 | 46 |
| 3   | 84  | 75  | 68  | 62  | 79  | 71  | 64  | 59  | 63 | 58 | 53 | 55 | 51 | 48 | 48 | 45 | 43 | 43 | 43 | 39 |
| 4   | 77  | 67  | 59  | 53  | 72  | 63  | 56  | 50  | 56 | 50 | 46 | 49 | 45 | 41 | 43 | 40 | 37 | 37 | 37 | 34 |
| 5   | 71  | 60  | 51  | 45  | 67  | 56  | 49  | 43  | 50 | 44 | 40 | 45 | 40 | 36 | 39 | 35 | 33 | 33 | 33 | 30 |
| 6   | 66  | 54  | 45  | 40  | 62  | 51  | 43  | 38  | 45 | 39 | 35 | 40 | 35 | 32 | 36 | 32 | 29 | 29 | 29 | 26 |
| 7   | 61  | 49  | 40  | 35  | 57  | 46  | 39  | 34  | 41 | 35 | 31 | 37 | 32 | 28 | 33 | 29 | 26 | 26 | 26 | 23 |
| 8   | 57  | 44  | 36  | 31  | 53  | 42  | 35  | 30  | 38 | 32 | 28 | 34 | 29 | 25 | 30 | 26 | 23 | 23 | 23 | 21 |
| 9   | 53  | 40  | 33  | 28  | 50  | 38  | 32  | 27  | 35 | 29 | 25 | 31 | 26 | 23 | 28 | 24 | 21 | 21 | 21 | 19 |
| 10  | 49  | 37  | 30  | 25  | 46  | 35  | 29  | 24  | 32 | 26 | 22 | 29 | 24 | 21 | 26 | 22 | 19 | 19 | 19 | 17 |

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

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 7562 | 7562  | 7562 | 7562 |
| 5°  | 7543 | 8675  | 7587 | 6519 |
| 10° | 7487 | 10122 | 7544 | 5719 |
| 15° | 7396 | 11668 | 7448 | 5117 |
| 20° | 7301 | 12653 | 7353 | 4588 |
| 25° | 7161 | 12508 | 7230 | 4197 |
| 30° | 7025 | 10338 | 7110 | 3996 |
| 35° | 6833 | 7704  | 6908 | 3875 |
| 40° | 6609 | 5803  | 6673 | 3815 |
| 45° | 6267 | 4658  | 6344 | 3733 |
| 50° | 5859 | 3924  | 5944 | 3695 |
| 55° | 5378 | 3415  | 5463 | 3652 |
| 60° | 4912 | 3008  | 5057 | 3592 |
| 65° | 4474 | 2588  | 4516 | 3442 |
| 70° | 3960 | 2130  | 4045 | 3169 |
| 75° | 3455 | 1635  | 3432 | 2692 |
| 80° | 2719 | 1074  | 2686 | 2043 |
| 85° | 1790 | 482   | 1674 | 1193 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 9779 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.3   | 2.2       |
| 10°-20°   | 278.6  | 6.9       |
| 20°-30°   | 442.6  | 11.0      |
| 30°-40°   | 491.8  | 12.2      |
| 40°-50°   | 447.2  | 11.1      |
| 50°-60°   | 365.5  | 9.1       |
| 60°-70°   | 260.9  | 6.5       |
| 70°-80°   | 143.5  | 3.6       |
| 80°-90°   | 39.8   | 1.0       |
| 90°-100°  | 15.6   | 0.4       |
| 100°-110° | 103.0  | 2.6       |
| 110°-120° | 196.7  | 4.9       |
| 120°-130° | 249.7  | 6.2       |
| 130°-140° | 267.1  | 6.6       |
| 140°-150° | 249.8  | 6.2       |
| 150°-160° | 201.4  | 5.0       |
| 160°-170° | 129.9  | 3.2       |
| 170°-180° | 44.8   | 1.1       |
| 0°-30°    | 811.4  | 20.2      |
| 0°-40°    | 1303.2 | 32.4      |
| 0°-60°    | 2115.8 | 52.7      |
| 0°-90°    | 2560.0 | 63.7      |
| 90°-120°  | 315.4  | 7.8       |
| 90°-150°  | 1081.9 | 26.9      |
| 90°-180°  | 1458.0 | 36.3      |
| 0°-180°   | 4018.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90°  | 180° | 270° | 360° | Flux |
|------|-----|------|------|------|------|------|
| 0°   | 927 | 927  | 927  | 927  | 927  |      |
| 5°   | 924 | 1088 | 929  | 818  | 924  | 88   |
| 15°  | 882 | 1494 | 888  | 655  | 882  | 249  |
| 25°  | 805 | 1587 | 813  | 532  | 805  | 371  |
| 35°  | 698 | 938  | 706  | 472  | 698  | 436  |
| 45°  | 557 | 526  | 564  | 422  | 557  | 430  |
| 55°  | 392 | 344  | 398  | 368  | 392  | 352  |
| 65°  | 244 | 221  | 247  | 294  | 244  | 241  |
| 75°  | 120 | 111  | 119  | 182  | 120  | 126  |
| 85°  | 25  | 23   | 23   | 57   | 25   | 29   |
| 90°  | 1   | 11   | 1    | 11   | 1    | 3    |
| 95°  | 19  | 10   | 19   | 10   | 19   | 24   |
| 105° | 106 | 100  | 106  | 100  | 106  | 111  |
| 115° | 198 | 200  | 198  | 200  | 198  | 195  |
| 125° | 278 | 280  | 278  | 280  | 278  | 249  |
| 135° | 345 | 348  | 345  | 348  | 345  | 266  |
| 145° | 398 | 400  | 398  | 400  | 398  | 249  |
| 155° | 437 | 436  | 437  | 436  | 437  | 201  |
| 165° | 461 | 458  | 461  | 458  | 461  | 130  |
| 175° | 471 | 468  | 471  | 468  | 471  | 45   |
| 180° | 471 | 471  | 471  | 471  | 471  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 927.4 | 927.4 | 927.4 | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  |
| 2.5°   | 927.4 | 936.6 | 940.4 | 943.5  | 953.5  | 956.6  | 957.3  | 961.9  | 965.8  | 966.6  | 966.6  |
| 5°     | 923.5 | 938.1 | 949.6 | 960.4  | 976.5  | 983.5  | 991.9  | 1001.1 | 1013.4 | 1021.1 | 1024.9 |
| 7.5°   | 917.4 | 938.9 | 956.6 | 975.0  | 997.3  | 1011.1 | 1018.8 | 1043.4 | 1060.3 | 1074.1 | 1091.0 |
| 10°    | 908.2 | 935.8 | 961.2 | 988.1  | 1019.6 | 1036.5 | 1053.4 | 1083.3 | 1107.2 | 1134.0 | 1155.6 |
| 12.5°  | 894.3 | 930.4 | 961.2 | 998.8  | 1038.0 | 1058.0 | 1078.0 | 1130.2 | 1157.9 | 1181.7 | 1220.1 |
| 15°    | 882.0 | 918.1 | 961.9 | 1000.4 | 1048.8 | 1078.7 | 1107.9 | 1141.7 | 1185.5 | 1237.0 | 1273.9 |
| 17.5°  | 868.2 | 913.5 | 954.3 | 1008.0 | 1061.8 | 1090.3 | 1114.1 | 1166.3 | 1227.8 | 1278.5 | 1312.3 |
| 20°    | 849.0 | 895.1 | 948.9 | 1005.7 | 1069.5 | 1091.8 | 1123.3 | 1193.2 | 1248.5 | 1298.5 | 1353.8 |
| 22.5°  | 826.7 | 880.5 | 937.4 | 991.9  | 1058.0 | 1104.8 | 1139.4 | 1200.9 | 1267.7 | 1325.4 | 1387.6 |
| 25°    | 805.2 | 863.6 | 913.5 | 988.1  | 1058.0 | 1089.5 | 1128.7 | 1201.7 | 1274.6 | 1344.6 | 1408.3 |
| 27.5°  | 782.2 | 836.7 | 904.3 | 963.5  | 1042.6 | 1077.2 | 1119.4 | 1199.4 | 1277.0 | 1346.9 | 1415.3 |
| 30°    | 756.8 | 815.2 | 871.3 | 941.2  | 1018.0 | 1062.6 | 1101.8 | 1188.6 | 1267.7 | 1340.7 | 1404.5 |
| 32.5°  | 728.4 | 783.7 | 843.6 | 909.7  | 990.4  | 1035.7 | 1084.9 | 1174.0 | 1258.5 | 1321.5 | 1370.7 |
| 35°    | 698.4 | 754.5 | 806.7 | 874.4  | 957.3  | 1002.7 | 1050.3 | 1148.6 | 1232.4 | 1283.9 | 1312.3 |
| 37.5°  | 665.4 | 718.4 | 769.9 | 836.7  | 919.7  | 968.1  | 1016.5 | 1111.8 | 1190.9 | 1233.9 | 1226.2 |
| 40°    | 633.9 | 681.5 | 729.1 | 792.1  | 879.0  | 930.4  | 972.7  | 1068.7 | 1137.9 | 1156.3 | 1131.0 |
| 42.5°  | 597.8 | 638.5 | 684.6 | 749.1  | 833.6  | 882.0  | 935.0  | 1022.6 | 1074.1 | 1066.4 | 1023.4 |
| 45°    | 557.0 | 593.1 | 639.2 | 699.9  | 786.0  | 835.9  | 880.5  | 963.5  | 1001.1 | 981.9  | 903.5  |
| 47.5°  | 517.8 | 553.2 | 590.8 | 651.5  | 735.3  | 777.5  | 822.9  | 897.4  | 918.9  | 878.2  | 799.8  |
| 50°    | 475.6 | 504.8 | 544.0 | 601.6  | 680.0  | 724.5  | 762.2  | 822.1  | 829.8  | 779.8  | 698.4  |
| 52.5°  | 434.9 | 459.5 | 497.1 | 554.0  | 627.0  | 662.3  | 699.2  | 752.2  | 746.0  | 694.6  | 616.2  |
| 55°    | 391.8 | 414.9 | 449.5 | 501.7  | 566.3  | 600.1  | 631.6  | 678.4  | 665.4  | 612.4  | 544.0  |
| 57.5°  | 355.7 | 371.9 | 405.7 | 454.1  | 507.1  | 544.0  | 570.9  | 607.7  | 587.8  | 534.8  | 471.0  |
| 60°    | 314.2 | 334.2 | 362.6 | 401.8  | 454.1  | 478.7  | 502.5  | 527.1  | 513.2  | 462.5  | 405.7  |
| 62.5°  | 276.6 | 292.0 | 316.5 | 354.2  | 394.9  | 417.2  | 442.6  | 457.9  | 444.1  | 397.2  | 349.6  |
| 65°    | 244.3 | 256.6 | 275.8 | 306.6  | 345.7  | 364.2  | 378.8  | 393.4  | 381.9  | 338.1  | 303.5  |
| 67.5°  | 209.0 | 219.7 | 235.9 | 260.5  | 293.5  | 306.6  | 320.4  | 330.4  | 317.3  | 288.1  | 254.3  |
| 70°    | 177.5 | 185.2 | 200.5 | 219.0  | 242.0  | 254.3  | 265.8  | 275.8  | 264.3  | 239.7  | 214.4  |
| 72.5°  | 145.2 | 151.4 | 165.2 | 178.3  | 199.0  | 207.4  | 215.9  | 223.6  | 219.7  | 196.7  | 175.9  |
| 75°    | 119.9 | 122.2 | 131.4 | 142.1  | 155.2  | 164.4  | 170.6  | 175.2  | 172.1  | 153.7  | 140.6  |
| 77.5°  | 90.7  | 93.7  | 100.7 | 109.1  | 120.6  | 126.0  | 129.8  | 134.5  | 130.6  | 116.0  | 106.8  |
| 80°    | 66.1  | 66.8  | 70.7  | 78.4   | 86.1   | 86.8   | 90.7   | 96.8   | 94.5   | 84.5   | 77.6   |
| 82.5°  | 42.3  | 44.6  | 46.1  | 50.7   | 56.1   | 57.6   | 59.9   | 61.5   | 60.7   | 54.6   | 52.2   |
| 85°    | 24.6  | 24.6  | 26.1  | 29.2   | 30.7   | 33.0   | 33.8   | 34.6   | 36.1   | 32.3   | 30.0   |
| 87.5°  | 10.8  | 11.5  | 11.5  | 12.3   | 13.8   | 13.8   | 14.6   | 15.4   | 16.1   | 15.4   | 13.1   |
| 90°    | 1.1   | 1.9   | 2.8   | 3.6    | 4.5    | 4.9    | 5.2    | 5.9    | 6.5    | 7.2    | 7.8    |
| 92.5°  | 5.3   | 5.1   | 5.0   | 4.8    | 4.7    | 4.6    | 4.9    | 5.5    | 6.2    | 6.8    | 7.4    |
| 95°    | 19.4  | 16.7  | 14.1  | 11.4   | 8.7    | 7.4    | 7.4    | 7.5    | 7.6    | 7.7    | 7.8    |
| 97.5°  | 37.0  | 38.7  | 40.5  | 42.2   | 43.9   | 44.8   | 40.7   | 32.5   | 24.2   | 16.0   | 7.8    |
| 100°   | 57.8  | 59.2  | 60.6  | 62.0   | 63.4   | 64.1   | 58.7   | 47.9   | 37.1   | 26.3   | 15.5   |
| 102.5° | 81.1  | 82.0  | 83.0  | 83.9   | 84.8   | 85.3   | 85.8   | 86.7   | 87.6   | 88.6   | 89.5   |
| 105°   | 106.1 | 106.6 | 107.0 | 107.5  | 108.0  | 108.2  | 108.4  | 108.8  | 109.2  | 109.6  | 110.0  |
| 107.5° | 129.0 | 129.2 | 129.4 | 129.7  | 129.9  | 130.0  | 130.3  | 130.8  | 131.4  | 131.9  | 132.5  |
| 110°   | 152.2 | 152.4 | 152.7 | 152.9  | 153.2  | 153.3  | 153.5  | 154.0  | 154.5  | 154.9  | 155.4  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 174.8 | 175.3 | 175.7 | 176.2 | 176.7 | 176.9 | 177.0 | 177.1 | 177.3 | 177.4 | 177.6 |
| 115°   | 198.1 | 198.3 | 198.5 | 198.8 | 199.0 | 199.1 | 199.1 | 199.0 | 198.9 | 198.9 | 198.8 |
| 117.5° | 218.9 | 219.2 | 219.5 | 219.8 | 220.1 | 220.3 | 220.4 | 220.6 | 220.9 | 221.1 | 221.3 |
| 120°   | 240.0 | 240.3 | 240.6 | 240.9 | 241.2 | 241.4 | 241.4 | 241.3 | 241.2 | 241.2 | 241.1 |
| 122.5° | 259.7 | 259.9 | 260.0 | 260.2 | 260.3 | 260.4 | 260.5 | 260.6 | 260.8 | 260.9 | 261.1 |
| 125°   | 278.4 | 278.7 | 279.0 | 279.3 | 279.6 | 279.8 | 279.7 | 279.6 | 279.4 | 279.3 | 279.1 |
| 127.5° | 296.4 | 296.5 | 296.5 | 296.6 | 296.7 | 296.7 | 296.9 | 297.3 | 297.7 | 298.1 | 298.5 |
| 130°   | 313.7 | 313.8 | 313.8 | 313.9 | 314.0 | 314.0 | 314.1 | 314.4 | 314.6 | 314.9 | 315.1 |
| 132.5° | 329.5 | 329.7 | 329.8 | 330.0 | 330.1 | 330.2 | 330.4 | 330.7 | 331.0 | 331.3 | 331.6 |
| 135°   | 345.4 | 345.3 | 345.2 | 345.1 | 345.0 | 345.0 | 345.2 | 345.5 | 345.8 | 346.1 | 346.4 |
| 137.5° | 359.5 | 359.5 | 359.5 | 359.5 | 359.5 | 359.5 | 359.7 | 360.1 | 360.4 | 360.8 | 361.2 |
| 140°   | 373.2 | 373.4 | 373.5 | 373.7 | 373.8 | 373.9 | 374.0 | 374.1 | 374.3 | 374.4 | 374.6 |
| 142.5° | 385.6 | 385.9 | 386.2 | 386.5 | 386.8 | 387.0 | 387.0 | 387.1 | 387.2 | 387.2 | 387.3 |
| 145°   | 398.2 | 398.4 | 398.7 | 398.9 | 399.2 | 399.3 | 399.3 | 399.3 | 399.3 | 399.3 | 399.3 |
| 147.5° | 408.1 | 408.6 | 409.0 | 409.5 | 410.0 | 410.2 | 410.2 | 410.1 | 410.0 | 410.0 | 409.9 |
| 150°   | 419.0 | 419.3 | 419.6 | 419.9 | 420.2 | 420.4 | 420.4 | 420.3 | 420.2 | 420.2 | 420.1 |
| 152.5° | 428.2 | 428.4 | 428.7 | 428.9 | 429.2 | 429.3 | 429.2 | 429.0 | 428.9 | 428.7 | 428.5 |
| 155°   | 436.7 | 436.8 | 436.8 | 436.9 | 437.0 | 437.0 | 436.9 | 436.6 | 436.4 | 436.1 | 435.9 |
| 157.5° | 444.1 | 444.1 | 444.1 | 444.1 | 444.1 | 444.1 | 443.9 | 443.6 | 443.3 | 442.9 | 442.6 |
| 160°   | 450.4 | 450.2 | 449.9 | 449.7 | 449.4 | 449.3 | 449.3 | 449.2 | 449.1 | 449.1 | 449.0 |
| 162.5° | 456.0 | 455.7 | 455.4 | 455.1 | 454.8 | 454.6 | 454.6 | 454.5 | 454.4 | 454.4 | 454.3 |
| 165°   | 460.6 | 460.2 | 459.8 | 459.5 | 459.1 | 458.9 | 458.9 | 458.9 | 458.9 | 458.9 | 458.9 |
| 167.5° | 464.5 | 464.1 | 463.7 | 463.3 | 462.9 | 462.7 | 462.7 | 462.6 | 462.5 | 462.5 | 462.4 |
| 170°   | 467.7 | 467.2 | 466.8 | 466.3 | 465.8 | 465.6 | 465.6 | 465.7 | 465.8 | 465.8 | 465.9 |
| 172.5° | 469.8 | 469.3 | 468.9 | 468.4 | 467.9 | 467.7 | 467.7 | 467.8 | 467.9 | 467.9 | 468.0 |
| 175°   | 471.2 | 470.7 | 470.3 | 469.8 | 469.3 | 469.1 | 469.1 | 469.2 | 469.3 | 469.3 | 469.4 |
| 177.5° | 472.2 | 471.7 | 471.1 | 470.6 | 470.1 | 469.8 | 469.9 | 470.0 | 470.2 | 470.3 | 470.5 |
| 180°   | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  |
| 2.5°   | 968.9  | 982.7  | 988.8  | 990.4  | 998.8  | 993.4  | 995.7  | 995.0  | 1001.1 | 1001.9 | 1001.9 |
| 5°     | 1039.5 | 1055.7 | 1061.1 | 1068.7 | 1080.3 | 1083.3 | 1081.0 | 1085.6 | 1094.1 | 1087.9 | 1097.2 |
| 7.5°   | 1114.1 | 1131.7 | 1144.0 | 1160.9 | 1164.8 | 1174.8 | 1180.9 | 1186.3 | 1187.8 | 1188.6 | 1190.1 |
| 10°    | 1183.2 | 1205.5 | 1222.4 | 1250.8 | 1257.0 | 1262.4 | 1289.2 | 1278.5 | 1292.3 | 1287.7 | 1289.2 |
| 12.5°  | 1239.3 | 1283.1 | 1296.9 | 1344.6 | 1349.2 | 1367.6 | 1366.1 | 1383.0 | 1386.1 | 1392.2 | 1386.1 |
| 15°    | 1313.1 | 1363.8 | 1386.1 | 1412.9 | 1428.3 | 1449.8 | 1453.7 | 1476.7 | 1485.9 | 1494.4 | 1485.9 |
| 17.5°  | 1380.7 | 1407.6 | 1464.4 | 1485.9 | 1495.9 | 1507.5 | 1536.6 | 1545.1 | 1558.9 | 1553.5 | 1568.9 |
| 20°    | 1414.5 | 1452.9 | 1512.8 | 1549.7 | 1565.1 | 1575.8 | 1600.4 | 1613.5 | 1618.9 | 1618.9 | 1620.4 |
| 22.5°  | 1444.4 | 1499.8 | 1544.3 | 1586.6 | 1600.4 | 1608.1 | 1622.7 | 1632.7 | 1635.0 | 1636.5 | 1638.1 |
| 25°    | 1471.3 | 1521.3 | 1557.4 | 1581.2 | 1586.6 | 1586.6 | 1595.0 | 1588.9 | 1578.9 | 1586.6 | 1591.2 |
| 27.5°  | 1471.3 | 1506.7 | 1522.8 | 1531.3 | 1531.3 | 1510.5 | 1498.2 | 1472.9 | 1451.4 | 1445.2 | 1459.0 |
| 30°    | 1446.8 | 1462.9 | 1440.6 | 1419.9 | 1403.7 | 1389.9 | 1341.5 | 1303.1 | 1295.4 | 1290.0 | 1310.8 |
| 32.5°  | 1389.9 | 1369.2 | 1325.4 | 1265.4 | 1241.6 | 1210.1 | 1172.5 | 1143.3 | 1125.6 | 1119.4 | 1114.8 |
| 35°    | 1289.2 | 1235.5 | 1178.6 | 1097.9 | 1081.0 | 1041.1 | 989.6  | 968.1  | 938.9  | 938.1  | 948.1  |
| 37.5°  | 1179.4 | 1096.4 | 1034.9 | 958.1  | 934.3  | 892.0  | 843.6  | 821.3  | 801.4  | 786.0  | 804.4  |
| 40°    | 1051.1 | 978.8  | 885.1  | 822.1  | 788.3  | 766.0  | 725.3  | 700.7  | 691.5  | 683.8  | 695.3  |
| 42.5°  | 931.2  | 852.1  | 779.1  | 714.5  | 686.9  | 661.5  | 634.6  | 610.8  | 603.9  | 603.1  | 611.6  |
| 45°    | 812.1  | 734.5  | 666.9  | 611.6  | 593.9  | 578.5  | 552.4  | 545.5  | 534.0  | 526.3  | 530.1  |
| 47.5°  | 716.8  | 636.9  | 580.9  | 538.6  | 523.2  | 510.2  | 493.3  | 481.7  | 471.8  | 468.7  | 473.3  |
| 50°    | 623.1  | 569.3  | 511.7  | 476.4  | 464.8  | 452.5  | 439.5  | 428.7  | 424.1  | 421.0  | 424.1  |
| 52.5°  | 547.8  | 490.2  | 451.0  | 422.6  | 411.1  | 401.8  | 392.6  | 388.0  | 381.9  | 383.4  | 386.5  |
| 55°    | 480.2  | 429.5  | 396.5  | 375.7  | 368.8  | 365.0  | 353.4  | 348.1  | 345.7  | 344.2  | 345.7  |
| 57.5°  | 416.4  | 379.6  | 355.0  | 337.3  | 328.1  | 325.8  | 316.5  | 316.5  | 314.2  | 311.9  | 312.7  |
| 60°    | 365.7  | 334.2  | 310.4  | 296.6  | 295.0  | 291.2  | 285.0  | 284.3  | 278.9  | 281.2  | 282.0  |
| 62.5°  | 314.2  | 288.9  | 272.8  | 264.3  | 258.9  | 257.4  | 253.5  | 252.8  | 250.5  | 251.2  | 249.7  |
| 65°    | 273.5  | 252.8  | 236.6  | 229.7  | 227.4  | 226.7  | 223.6  | 221.3  | 219.7  | 221.3  | 219.7  |
| 67.5°  | 232.8  | 219.0  | 206.7  | 199.8  | 196.7  | 195.9  | 193.6  | 192.1  | 192.8  | 190.5  | 192.1  |
| 70°    | 194.4  | 180.6  | 172.9  | 169.0  | 167.5  | 165.2  | 165.2  | 165.2  | 165.2  | 163.7  | 162.9  |
| 72.5°  | 163.7  | 149.8  | 144.4  | 142.1  | 140.6  | 139.8  | 137.5  | 138.3  | 137.5  | 136.8  | 139.8  |
| 75°    | 129.8  | 121.4  | 116.0  | 113.7  | 115.2  | 112.9  | 110.6  | 112.2  | 109.9  | 110.6  | 113.7  |
| 77.5°  | 98.3   | 94.5   | 91.4   | 89.9   | 88.4   | 86.8   | 86.8   | 85.3   | 85.3   | 85.3   | 85.3   |
| 80°    | 71.5   | 70.7   | 65.3   | 64.5   | 64.5   | 63.0   | 63.0   | 63.0   | 63.0   | 62.2   | 63.0   |
| 82.5°  | 47.6   | 46.9   | 45.3   | 44.6   | 43.0   | 43.8   | 43.8   | 42.3   | 42.3   | 41.5   | 42.3   |
| 85°    | 27.7   | 27.7   | 26.1   | 25.4   | 24.6   | 25.4   | 23.8   | 23.0   | 23.8   | 23.0   | 23.8   |
| 87.5°  | 13.1   | 11.5   | 12.3   | 11.5   | 10.0   | 10.8   | 9.2    | 10.0   | 9.2    | 8.5    | 10.0   |
| 90°    | 8.3    | 8.7    | 9.2    | 9.7    | 9.9    | 10.0   | 10.1   | 10.3   | 10.4   | 10.6   | 10.4   |
| 92.5°  | 7.9    | 8.3    | 8.8    | 9.3    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    |
| 95°    | 8.3    | 8.7    | 9.2    | 9.7    | 9.9    | 9.9    | 10.0   | 10.1   | 10.1   | 10.2   | 10.1   |
| 97.5°  | 8.2    | 8.6    | 8.9    | 9.3    | 9.5    | 9.5    | 9.6    | 9.7    | 9.8    | 9.9    | 9.8    |
| 100°   | 14.2   | 12.8   | 11.5   | 10.2   | 9.5    | 9.5    | 9.6    | 9.7    | 9.8    | 9.9    | 9.8    |
| 102.5° | 71.9   | 54.3   | 36.6   | 19.0   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   |
| 105°   | 110.7  | 111.4  | 112.1  | 112.8  | 113.1  | 111.7  | 108.9  | 106.0  | 103.2  | 100.4  | 103.2  |
| 107.5° | 132.9  | 133.3  | 133.7  | 134.1  | 134.3  | 134.5  | 134.8  | 135.1  | 135.4  | 135.7  | 135.4  |
| 110°   | 155.6  | 155.7  | 155.9  | 156.0  | 156.1  | 156.2  | 156.5  | 156.7  | 157.0  | 157.2  | 157.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 177.5 | 177.5 | 177.4 | 177.3 | 177.3 | 177.5 | 177.8 | 178.1 | 178.4 | 178.7 | 178.4 |
| 115°   | 199.0 | 199.1 | 199.3 | 199.4 | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 |
| 117.5° | 221.2 | 221.2 | 221.1 | 221.0 | 221.0 | 221.0 | 221.0 | 221.0 | 221.0 | 221.0 | 221.0 |
| 120°   | 241.3 | 241.4 | 241.6 | 241.7 | 241.8 | 241.7 | 241.6 | 241.4 | 241.3 | 241.1 | 241.3 |
| 122.5° | 261.2 | 261.3 | 261.4 | 261.5 | 261.5 | 261.4 | 261.3 | 261.1 | 261.0 | 260.8 | 261.0 |
| 125°   | 279.3 | 279.6 | 279.8 | 280.1 | 280.2 | 280.2 | 280.3 | 280.4 | 280.4 | 280.5 | 280.4 |
| 127.5° | 298.4 | 298.3 | 298.2 | 298.1 | 298.1 | 298.1 | 298.0 | 297.9 | 297.9 | 297.8 | 297.9 |
| 130°   | 315.2 | 315.2 | 315.3 | 315.4 | 315.4 | 315.4 | 315.4 | 315.4 | 315.4 | 315.4 | 315.4 |
| 132.5° | 331.7 | 331.8 | 331.9 | 332.0 | 332.0 | 332.0 | 331.9 | 331.8 | 331.7 | 331.6 | 331.7 |
| 135°   | 346.6 | 346.7 | 346.9 | 347.0 | 347.1 | 347.2 | 347.3 | 347.5 | 347.6 | 347.8 | 347.6 |
| 137.5° | 361.4 | 361.5 | 361.7 | 361.8 | 361.9 | 361.9 | 361.8 | 361.7 | 361.7 | 361.6 | 361.7 |
| 140°   | 374.8 | 375.1 | 375.3 | 375.6 | 375.7 | 375.7 | 375.8 | 375.9 | 375.9 | 376.0 | 375.9 |
| 142.5° | 387.5 | 387.6 | 387.8 | 387.9 | 388.0 | 388.0 | 388.0 | 388.0 | 388.0 | 388.0 | 388.0 |
| 145°   | 399.4 | 399.4 | 399.5 | 399.6 | 399.6 | 399.7 | 399.9 | 400.0 | 400.2 | 400.4 | 400.2 |
| 147.5° | 410.0 | 410.0 | 410.1 | 410.2 | 410.2 | 410.2 | 410.3 | 410.4 | 410.5 | 410.6 | 410.5 |
| 150°   | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.2 | 420.3 | 420.3 | 420.4 | 420.3 |
| 152.5° | 428.7 | 428.9 | 429.0 | 429.2 | 429.3 | 429.3 | 429.2 | 429.1 | 429.0 | 428.9 | 429.0 |
| 155°   | 436.2 | 436.6 | 436.9 | 437.2 | 437.4 | 437.3 | 437.0 | 436.8 | 436.5 | 436.3 | 436.5 |
| 157.5° | 443.0 | 443.4 | 443.8 | 444.2 | 444.4 | 444.2 | 443.8 | 443.4 | 443.0 | 442.6 | 443.0 |
| 160°   | 449.5 | 449.9 | 450.4 | 450.9 | 451.1 | 450.9 | 450.4 | 449.9 | 449.5 | 449.0 | 449.5 |
| 162.5° | 454.8 | 455.2 | 455.7 | 456.2 | 456.4 | 456.1 | 455.6 | 455.0 | 454.5 | 453.9 | 454.5 |
| 165°   | 459.5 | 460.1 | 460.8 | 461.4 | 461.7 | 461.3 | 460.6 | 459.9 | 459.2 | 458.5 | 459.2 |
| 167.5° | 463.1 | 463.8 | 464.5 | 465.2 | 465.6 | 465.2 | 464.4 | 463.6 | 462.8 | 462.0 | 462.8 |
| 170°   | 466.5 | 467.1 | 467.8 | 468.4 | 468.7 | 468.3 | 467.5 | 466.8 | 466.0 | 465.2 | 466.0 |
| 172.5° | 468.6 | 469.2 | 469.9 | 470.5 | 470.8 | 470.4 | 469.5 | 468.7 | 467.8 | 467.0 | 467.8 |
| 175°   | 470.1 | 470.8 | 471.5 | 472.2 | 472.6 | 472.1 | 471.2 | 470.3 | 469.3 | 468.4 | 469.3 |
| 177.5° | 471.1 | 471.7 | 472.4 | 473.0 | 473.3 | 472.8 | 471.9 | 471.0 | 470.0 | 469.1 | 470.0 |
| 180°   | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 |

TEST NUMBER: P1013090

CATALOG NUMBER: S124DIP-B575D365UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  |
| 2.5°   | 1000.4 | 998.1  | 995.0  | 995.0  | 991.1  | 991.1  | 985.0  | 974.2  | 965.0  | 961.9  | 963.5  |
| 5°     | 1085.6 | 1086.4 | 1081.8 | 1078.0 | 1071.0 | 1065.7 | 1055.7 | 1036.5 | 1030.3 | 1018.0 | 1009.6 |
| 7.5°   | 1183.2 | 1180.1 | 1171.7 | 1165.5 | 1164.0 | 1151.7 | 1130.2 | 1107.2 | 1088.7 | 1076.4 | 1058.7 |
| 10°    | 1293.1 | 1280.8 | 1268.5 | 1264.7 | 1255.4 | 1234.7 | 1210.1 | 1184.8 | 1159.4 | 1132.5 | 1102.5 |
| 12.5°  | 1385.3 | 1361.5 | 1360.7 | 1351.5 | 1333.8 | 1322.3 | 1293.1 | 1257.0 | 1213.2 | 1183.2 | 1149.4 |
| 15°    | 1484.4 | 1462.1 | 1443.7 | 1426.8 | 1418.3 | 1384.5 | 1359.9 | 1314.6 | 1262.4 | 1230.1 | 1207.0 |
| 17.5°  | 1555.1 | 1545.1 | 1513.6 | 1505.9 | 1494.4 | 1455.2 | 1416.0 | 1371.5 | 1326.1 | 1280.8 | 1218.6 |
| 20°    | 1611.9 | 1605.8 | 1585.1 | 1574.3 | 1555.9 | 1525.1 | 1477.5 | 1426.0 | 1373.8 | 1309.2 | 1250.8 |
| 22.5°  | 1636.5 | 1628.8 | 1611.9 | 1602.7 | 1591.2 | 1565.1 | 1524.4 | 1466.0 | 1397.6 | 1340.0 | 1277.7 |
| 25°    | 1588.1 | 1602.0 | 1597.3 | 1593.5 | 1588.9 | 1573.5 | 1542.8 | 1491.3 | 1424.5 | 1359.2 | 1281.6 |
| 27.5°  | 1479.0 | 1502.8 | 1525.9 | 1529.0 | 1536.6 | 1542.8 | 1530.5 | 1493.6 | 1437.5 | 1368.4 | 1283.1 |
| 30°    | 1332.3 | 1343.0 | 1389.9 | 1403.7 | 1414.5 | 1453.7 | 1476.7 | 1467.5 | 1424.5 | 1362.2 | 1283.9 |
| 32.5°  | 1144.0 | 1172.5 | 1220.1 | 1253.1 | 1282.3 | 1326.1 | 1386.1 | 1409.9 | 1394.5 | 1343.8 | 1266.2 |
| 35°    | 965.8  | 999.6  | 1054.9 | 1097.2 | 1126.4 | 1188.6 | 1259.3 | 1310.8 | 1330.0 | 1304.6 | 1235.5 |
| 37.5°  | 819.8  | 860.5  | 909.7  | 925.8  | 959.6  | 1036.5 | 1134.0 | 1205.5 | 1252.4 | 1254.7 | 1200.9 |
| 40°    | 709.9  | 730.7  | 769.9  | 794.4  | 827.5  | 892.0  | 987.3  | 1081.8 | 1152.5 | 1176.3 | 1147.9 |
| 42.5°  | 617.0  | 633.1  | 662.3  | 692.3  | 722.2  | 771.4  | 859.0  | 947.3  | 1042.6 | 1090.3 | 1089.5 |
| 45°    | 543.2  | 560.1  | 580.1  | 604.7  | 625.4  | 678.4  | 747.6  | 838.2  | 920.5  | 994.2  | 1012.7 |
| 47.5°  | 478.7  | 493.3  | 517.8  | 528.6  | 542.4  | 592.4  | 652.3  | 736.8  | 822.1  | 906.6  | 928.1  |
| 50°    | 431.0  | 443.3  | 460.2  | 467.1  | 482.5  | 519.4  | 568.6  | 636.9  | 731.4  | 809.0  | 849.0  |
| 52.5°  | 388.0  | 397.2  | 410.3  | 415.7  | 426.4  | 454.1  | 498.6  | 552.4  | 630.8  | 710.7  | 766.8  |
| 55°    | 351.1  | 357.3  | 366.5  | 372.6  | 380.3  | 404.9  | 437.9  | 486.3  | 554.0  | 623.1  | 677.7  |
| 57.5°  | 316.5  | 321.2  | 330.4  | 333.5  | 339.6  | 358.8  | 381.9  | 422.6  | 484.8  | 546.3  | 599.3  |
| 60°    | 284.3  | 287.4  | 292.7  | 299.6  | 304.3  | 317.3  | 338.8  | 372.6  | 422.6  | 478.7  | 521.7  |
| 62.5°  | 253.5  | 258.2  | 259.7  | 262.8  | 266.6  | 278.9  | 295.8  | 320.4  | 364.2  | 410.3  | 455.6  |
| 65°    | 222.0  | 225.9  | 229.0  | 229.7  | 233.6  | 242.8  | 258.2  | 279.7  | 308.1  | 348.1  | 390.3  |
| 67.5°  | 192.8  | 195.2  | 196.7  | 199.8  | 203.6  | 208.2  | 220.5  | 236.6  | 262.8  | 295.0  | 328.8  |
| 70°    | 166.0  | 166.0  | 168.3  | 169.0  | 173.6  | 179.0  | 184.4  | 199.8  | 222.8  | 248.9  | 272.0  |
| 72.5°  | 136.8  | 140.6  | 139.8  | 143.7  | 142.9  | 146.7  | 153.7  | 163.7  | 180.6  | 201.3  | 223.6  |
| 75°    | 111.4  | 113.7  | 113.7  | 113.7  | 115.2  | 118.3  | 122.2  | 131.4  | 144.4  | 161.3  | 174.4  |
| 77.5°  | 86.8   | 88.4   | 88.4   | 88.4   | 89.1   | 92.2   | 96.0   | 102.2  | 111.4  | 121.4  | 129.1  |
| 80°    | 62.2   | 63.8   | 63.8   | 65.3   | 65.3   | 66.1   | 69.9   | 73.0   | 77.6   | 85.3   | 93.0   |
| 82.5°  | 42.3   | 43.0   | 44.6   | 44.6   | 43.8   | 45.3   | 46.1   | 49.2   | 53.8   | 55.3   | 60.7   |
| 85°    | 23.0   | 23.8   | 24.6   | 24.6   | 25.4   | 26.9   | 26.1   | 29.2   | 29.2   | 32.3   | 33.8   |
| 87.5°  | 9.2    | 10.8   | 10.8   | 10.0   | 10.8   | 10.8   | 10.8   | 12.3   | 13.1   | 13.8   | 13.1   |
| 90°    | 10.3   | 10.1   | 10.0   | 9.9    | 9.7    | 9.2    | 8.7    | 8.3    | 7.8    | 7.2    | 6.5    |
| 92.5°  | 9.5    | 9.5    | 9.5    | 9.5    | 9.3    | 8.8    | 8.3    | 7.9    | 7.4    | 6.8    | 6.2    |
| 95°    | 10.1   | 10.0   | 9.9    | 9.9    | 9.7    | 9.2    | 8.7    | 8.3    | 7.8    | 7.7    | 7.6    |
| 97.5°  | 9.7    | 9.6    | 9.5    | 9.5    | 9.3    | 8.9    | 8.6    | 8.2    | 7.8    | 16.0   | 24.2   |
| 100°   | 9.7    | 9.6    | 9.5    | 9.5    | 10.2   | 11.5   | 12.8   | 14.2   | 15.5   | 26.3   | 37.1   |
| 102.5° | 10.2   | 10.2   | 10.2   | 10.2   | 19.0   | 36.6   | 54.3   | 71.9   | 89.5   | 88.6   | 87.6   |
| 105°   | 106.0  | 108.9  | 111.7  | 113.1  | 112.8  | 112.1  | 111.4  | 110.7  | 110.0  | 109.6  | 109.2  |
| 107.5° | 135.1  | 134.8  | 134.5  | 134.3  | 134.1  | 133.7  | 133.3  | 132.9  | 132.5  | 131.9  | 131.4  |
| 110°   | 156.7  | 156.5  | 156.2  | 156.1  | 156.0  | 155.9  | 155.7  | 155.6  | 155.4  | 154.9  | 154.5  |

TEST NUMBER: P1013090

CATALOG NUMBER: S124DIP-B575D365UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 178.1 | 177.8 | 177.5 | 177.3  | 177.3 | 177.4 | 177.5 | 177.5 | 177.6 | 177.4 | 177.3 |
| 115°   | 199.5 | 199.5 | 199.5 | 199.5  | 199.4 | 199.3 | 199.1 | 199.0 | 198.8 | 198.9 | 198.9 |
| 117.5° | 221.0 | 221.0 | 221.0 | 221.0  | 221.0 | 221.1 | 221.2 | 221.2 | 221.3 | 221.1 | 220.9 |
| 120°   | 241.4 | 241.6 | 241.7 | 241.8  | 241.7 | 241.6 | 241.4 | 241.3 | 241.1 | 241.2 | 241.2 |
| 122.5° | 261.1 | 261.3 | 261.4 | 261.5  | 261.5 | 261.4 | 261.3 | 261.2 | 261.1 | 260.9 | 260.8 |
| 125°   | 280.4 | 280.3 | 280.2 | 280.2  | 280.1 | 279.8 | 279.6 | 279.3 | 279.1 | 279.3 | 279.4 |
| 127.5° | 297.9 | 298.0 | 298.1 | 298.1  | 298.1 | 298.2 | 298.3 | 298.4 | 298.5 | 298.1 | 297.7 |
| 130°   | 315.4 | 315.4 | 315.4 | 315.4  | 315.4 | 315.3 | 315.2 | 315.2 | 315.1 | 314.9 | 314.6 |
| 132.5° | 331.8 | 331.9 | 332.0 | 332.0  | 332.0 | 331.9 | 331.8 | 331.7 | 331.6 | 331.3 | 331.0 |
| 135°   | 347.5 | 347.3 | 347.2 | 347.1  | 347.0 | 346.9 | 346.7 | 346.6 | 346.4 | 346.1 | 345.8 |
| 137.5° | 361.7 | 361.8 | 361.9 | 361.9  | 361.8 | 361.7 | 361.5 | 361.4 | 361.2 | 360.8 | 360.4 |
| 140°   | 375.9 | 375.8 | 375.7 | 375.7  | 375.6 | 375.3 | 375.1 | 374.8 | 374.6 | 374.4 | 374.3 |
| 142.5° | 388.0 | 388.0 | 388.0 | 388.0  | 387.9 | 387.8 | 387.6 | 387.5 | 387.3 | 387.2 | 387.2 |
| 145°   | 400.0 | 399.9 | 399.7 | 399.6  | 399.6 | 399.5 | 399.4 | 399.4 | 399.3 | 399.3 | 399.3 |
| 147.5° | 410.4 | 410.3 | 410.2 | 410.2  | 410.2 | 410.1 | 410.0 | 410.0 | 409.9 | 410.0 | 410.0 |
| 150°   | 420.3 | 420.2 | 420.1 | 420.1  | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.2 | 420.2 |
| 152.5° | 429.1 | 429.2 | 429.3 | 429.3  | 429.2 | 429.0 | 428.9 | 428.7 | 428.5 | 428.7 | 428.9 |
| 155°   | 436.8 | 437.0 | 437.3 | 437.4  | 437.2 | 436.9 | 436.6 | 436.2 | 435.9 | 436.1 | 436.4 |
| 157.5° | 443.4 | 443.8 | 444.2 | 444.4  | 444.2 | 443.8 | 443.4 | 443.0 | 442.6 | 442.9 | 443.3 |
| 160°   | 449.9 | 450.4 | 450.9 | 451.1  | 450.9 | 450.4 | 449.9 | 449.5 | 449.0 | 449.1 | 449.1 |
| 162.5° | 455.0 | 455.6 | 456.1 | 456.4  | 456.2 | 455.7 | 455.2 | 454.8 | 454.3 | 454.4 | 454.4 |
| 165°   | 459.9 | 460.6 | 461.3 | 461.7  | 461.4 | 460.8 | 460.1 | 459.5 | 458.9 | 458.9 | 458.9 |
| 167.5° | 463.6 | 464.4 | 465.2 | 465.6  | 465.2 | 464.5 | 463.8 | 463.1 | 462.4 | 462.5 | 462.5 |
| 170°   | 466.8 | 467.5 | 468.3 | 468.7  | 468.4 | 467.8 | 467.1 | 466.5 | 465.9 | 465.8 | 465.8 |
| 172.5° | 468.7 | 469.5 | 470.4 | 470.8  | 470.5 | 469.9 | 469.2 | 468.6 | 468.0 | 467.9 | 467.9 |
| 175°   | 470.3 | 471.2 | 472.1 | 472.6  | 472.2 | 471.5 | 470.8 | 470.1 | 469.4 | 469.3 | 469.3 |
| 177.5° | 471.0 | 471.9 | 472.8 | 473.3  | 473.0 | 472.4 | 471.7 | 471.1 | 470.5 | 470.3 | 470.2 |
| 180°   | 471.2 | 471.2 | 471.2 | 471.2  | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°     | 927.4  | 927.4  | 927.4  | 927.4  | 927.4  | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 |
| 2.5°   | 956.6  | 953.5  | 951.2  | 951.2  | 944.3  | 937.4 | 933.5 | 932.0 | 930.4 | 924.3 | 915.8 |
| 5°     | 995.7  | 985.8  | 978.8  | 971.9  | 960.4  | 948.1 | 935.8 | 928.9 | 918.9 | 905.1 | 895.1 |
| 7.5°   | 1039.5 | 1015.7 | 1008.0 | 999.6  | 976.5  | 955.8 | 938.9 | 924.3 | 908.2 | 890.5 | 872.8 |
| 10°    | 1076.4 | 1051.1 | 1034.2 | 1019.6 | 989.6  | 961.9 | 936.6 | 915.1 | 894.3 | 871.3 | 849.8 |
| 12.5°  | 1111.8 | 1075.7 | 1058.0 | 1036.5 | 1005.0 | 965.0 | 932.0 | 905.1 | 874.4 | 850.5 | 824.4 |
| 15°    | 1160.9 | 1100.2 | 1071.0 | 1057.2 | 1015.0 | 968.1 | 928.1 | 888.2 | 862.8 | 826.7 | 803.7 |
| 17.5°  | 1168.6 | 1119.4 | 1100.2 | 1064.9 | 1014.2 | 961.2 | 915.1 | 875.1 | 836.7 | 804.4 | 774.5 |
| 20°    | 1195.5 | 1131.0 | 1100.2 | 1078.0 | 1011.1 | 957.3 | 906.6 | 855.1 | 818.3 | 783.7 | 749.9 |
| 22.5°  | 1212.4 | 1139.4 | 1107.2 | 1071.8 | 1008.0 | 943.5 | 883.6 | 839.0 | 793.7 | 758.3 | 731.4 |
| 25°    | 1207.8 | 1134.8 | 1098.7 | 1065.7 | 988.1  | 923.5 | 869.7 | 812.9 | 770.6 | 732.2 | 696.9 |
| 27.5°  | 1205.5 | 1123.3 | 1084.9 | 1048.0 | 975.0  | 907.4 | 839.8 | 793.7 | 746.8 | 702.2 | 676.1 |
| 30°    | 1199.4 | 1108.7 | 1064.1 | 1024.2 | 948.1  | 877.4 | 819.8 | 766.0 | 719.2 | 678.4 | 643.9 |
| 32.5°  | 1178.6 | 1084.1 | 1041.1 | 998.1  | 918.9  | 848.2 | 789.8 | 739.9 | 693.0 | 650.8 | 617.7 |
| 35°    | 1150.9 | 1054.9 | 1008.0 | 962.7  | 883.6  | 812.1 | 758.3 | 706.1 | 662.3 | 621.6 | 590.1 |
| 37.5°  | 1123.3 | 1021.1 | 977.3  | 925.1  | 852.1  | 777.5 | 722.2 | 675.4 | 634.6 | 592.4 | 557.8 |
| 40°    | 1083.3 | 981.1  | 932.7  | 888.2  | 802.9  | 733.0 | 682.3 | 640.0 | 600.1 | 560.1 | 530.9 |
| 42.5°  | 1028.8 | 937.4  | 887.4  | 838.2  | 758.3  | 689.2 | 640.0 | 602.4 | 564.7 | 531.7 | 499.4 |
| 45°    | 973.5  | 884.3  | 839.8  | 796.0  | 709.2  | 643.9 | 598.5 | 563.9 | 532.4 | 496.3 | 470.2 |
| 47.5°  | 906.6  | 831.3  | 786.8  | 743.7  | 661.5  | 596.2 | 554.7 | 522.5 | 493.3 | 463.3 | 438.7 |
| 50°    | 838.2  | 772.9  | 732.2  | 687.6  | 609.3  | 550.1 | 509.4 | 482.5 | 458.7 | 430.3 | 410.3 |
| 52.5°  | 764.5  | 707.6  | 673.1  | 630.0  | 560.9  | 506.3 | 464.8 | 437.9 | 418.0 | 397.2 | 379.6 |
| 55°    | 686.1  | 644.6  | 607.7  | 573.2  | 507.9  | 458.7 | 421.8 | 398.0 | 384.2 | 365.0 | 349.6 |
| 57.5°  | 615.4  | 575.5  | 553.2  | 514.0  | 457.2  | 408.7 | 379.6 | 359.6 | 343.4 | 331.9 | 319.6 |
| 60°    | 541.7  | 509.4  | 484.8  | 456.4  | 406.4  | 365.7 | 335.0 | 323.5 | 306.6 | 298.1 | 292.7 |
| 62.5°  | 471.0  | 447.9  | 424.9  | 403.4  | 358.8  | 320.4 | 297.3 | 282.7 | 272.8 | 264.3 | 259.7 |
| 65°    | 404.1  | 382.6  | 366.5  | 347.3  | 310.4  | 279.7 | 258.2 | 246.6 | 236.6 | 234.3 | 229.0 |
| 67.5°  | 338.8  | 329.6  | 311.9  | 296.6  | 265.1  | 241.3 | 225.1 | 210.5 | 205.1 | 202.8 | 198.2 |
| 70°    | 283.5  | 272.8  | 258.9  | 245.9  | 222.0  | 201.3 | 186.7 | 181.3 | 173.6 | 172.9 | 167.5 |
| 72.5°  | 233.6  | 220.5  | 210.5  | 200.5  | 182.9  | 164.4 | 156.7 | 149.1 | 145.2 | 142.1 | 139.8 |
| 75°    | 185.2  | 175.9  | 169.0  | 160.6  | 145.2  | 132.9 | 122.2 | 119.1 | 116.8 | 116.0 | 114.5 |
| 77.5°  | 138.3  | 132.2  | 129.1  | 120.6  | 109.9  | 99.1  | 94.5  | 89.9  | 89.9  | 88.4  | 89.1  |
| 80°    | 98.3   | 94.5   | 90.7   | 86.1   | 76.8   | 72.2  | 68.4  | 65.3  | 63.8  | 63.0  | 63.8  |
| 82.5°  | 62.2   | 59.9   | 59.2   | 56.1   | 49.9   | 47.6  | 44.6  | 42.3  | 42.3  | 42.3  | 42.3  |
| 85°    | 34.6   | 34.6   | 34.6   | 30.0   | 27.7   | 25.4  | 23.8  | 23.0  | 23.0  | 23.0  | 23.8  |
| 87.5°  | 14.6   | 14.6   | 12.3   | 12.3   | 11.5   | 10.0  | 9.2   | 9.2   | 10.0  | 10.0  | 10.8  |
| 90°    | 5.9    | 5.2    | 4.9    | 4.5    | 3.6    | 2.8   | 1.9   | 1.1   | 1.9   | 2.8   | 3.6   |
| 92.5°  | 5.5    | 4.9    | 4.6    | 4.7    | 4.8    | 5.0   | 5.1   | 5.3   | 5.1   | 5.0   | 4.8   |
| 95°    | 7.5    | 7.4    | 7.4    | 8.7    | 11.4   | 14.1  | 16.7  | 19.4  | 16.7  | 14.1  | 11.4  |
| 97.5°  | 32.5   | 40.7   | 44.8   | 43.9   | 42.2   | 40.5  | 38.7  | 37.0  | 38.7  | 40.5  | 42.2  |
| 100°   | 47.9   | 58.7   | 64.1   | 63.4   | 62.0   | 60.6  | 59.2  | 57.8  | 59.2  | 60.6  | 62.0  |
| 102.5° | 86.7   | 85.8   | 85.3   | 84.8   | 83.9   | 83.0  | 82.0  | 81.1  | 82.0  | 83.0  | 83.9  |
| 105°   | 108.8  | 108.4  | 108.2  | 108.0  | 107.5  | 107.0 | 106.6 | 106.1 | 106.6 | 107.0 | 107.5 |
| 107.5° | 130.8  | 130.3  | 130.0  | 129.9  | 129.7  | 129.4 | 129.2 | 129.0 | 129.2 | 129.4 | 129.7 |
| 110°   | 154.0  | 153.5  | 153.3  | 153.2  | 152.9  | 152.7 | 152.4 | 152.2 | 152.4 | 152.7 | 152.9 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 177.1 | 177.0 | 176.9  | 176.7 | 176.2 | 175.7 | 175.3 | 174.8 | 175.3 | 175.7 | 176.2 |
| 115°   | 199.0 | 199.1 | 199.1  | 199.0 | 198.8 | 198.5 | 198.3 | 198.1 | 198.3 | 198.5 | 198.8 |
| 117.5° | 220.6 | 220.4 | 220.3  | 220.1 | 219.8 | 219.5 | 219.2 | 218.9 | 219.2 | 219.5 | 219.8 |
| 120°   | 241.3 | 241.4 | 241.4  | 241.2 | 240.9 | 240.6 | 240.3 | 240.0 | 240.3 | 240.6 | 240.9 |
| 122.5° | 260.6 | 260.5 | 260.4  | 260.3 | 260.2 | 260.0 | 259.9 | 259.7 | 259.9 | 260.0 | 260.2 |
| 125°   | 279.6 | 279.7 | 279.8  | 279.6 | 279.3 | 279.0 | 278.7 | 278.4 | 278.7 | 279.0 | 279.3 |
| 127.5° | 297.3 | 296.9 | 296.7  | 296.7 | 296.6 | 296.5 | 296.5 | 296.4 | 296.5 | 296.5 | 296.6 |
| 130°   | 314.4 | 314.1 | 314.0  | 314.0 | 313.9 | 313.8 | 313.8 | 313.7 | 313.8 | 313.8 | 313.9 |
| 132.5° | 330.7 | 330.4 | 330.2  | 330.1 | 330.0 | 329.8 | 329.7 | 329.5 | 329.7 | 329.8 | 330.0 |
| 135°   | 345.5 | 345.2 | 345.0  | 345.0 | 345.1 | 345.2 | 345.3 | 345.4 | 345.3 | 345.2 | 345.1 |
| 137.5° | 360.1 | 359.7 | 359.5  | 359.5 | 359.5 | 359.5 | 359.5 | 359.5 | 359.5 | 359.5 | 359.5 |
| 140°   | 374.1 | 374.0 | 373.9  | 373.8 | 373.7 | 373.5 | 373.4 | 373.2 | 373.4 | 373.5 | 373.7 |
| 142.5° | 387.1 | 387.0 | 387.0  | 386.8 | 386.5 | 386.2 | 385.9 | 385.6 | 385.9 | 386.2 | 386.5 |
| 145°   | 399.3 | 399.3 | 399.3  | 399.2 | 398.9 | 398.7 | 398.4 | 398.2 | 398.4 | 398.7 | 398.9 |
| 147.5° | 410.1 | 410.2 | 410.2  | 410.0 | 409.5 | 409.0 | 408.6 | 408.1 | 408.6 | 409.0 | 409.5 |
| 150°   | 420.3 | 420.4 | 420.4  | 420.2 | 419.9 | 419.6 | 419.3 | 419.0 | 419.3 | 419.6 | 419.9 |
| 152.5° | 429.0 | 429.2 | 429.3  | 429.2 | 428.9 | 428.7 | 428.4 | 428.2 | 428.4 | 428.7 | 428.9 |
| 155°   | 436.6 | 436.9 | 437.0  | 437.0 | 436.9 | 436.8 | 436.8 | 436.7 | 436.8 | 436.8 | 436.9 |
| 157.5° | 443.6 | 443.9 | 444.1  | 444.1 | 444.1 | 444.1 | 444.1 | 444.1 | 444.1 | 444.1 | 444.1 |
| 160°   | 449.2 | 449.3 | 449.3  | 449.4 | 449.7 | 449.9 | 450.2 | 450.4 | 450.2 | 449.9 | 449.7 |
| 162.5° | 454.5 | 454.6 | 454.6  | 454.8 | 455.1 | 455.4 | 455.7 | 456.0 | 455.7 | 455.4 | 455.1 |
| 165°   | 458.9 | 458.9 | 458.9  | 459.1 | 459.5 | 459.8 | 460.2 | 460.6 | 460.2 | 459.8 | 459.5 |
| 167.5° | 462.6 | 462.7 | 462.7  | 462.9 | 463.3 | 463.7 | 464.1 | 464.5 | 464.1 | 463.7 | 463.3 |
| 170°   | 465.7 | 465.6 | 465.6  | 465.8 | 466.3 | 466.8 | 467.2 | 467.7 | 467.2 | 466.8 | 466.3 |
| 172.5° | 467.8 | 467.7 | 467.7  | 467.9 | 468.4 | 468.9 | 469.3 | 469.8 | 469.3 | 468.9 | 468.4 |
| 175°   | 469.2 | 469.1 | 469.1  | 469.3 | 469.8 | 470.3 | 470.7 | 471.2 | 470.7 | 470.3 | 469.8 |
| 177.5° | 470.0 | 469.9 | 469.8  | 470.1 | 470.6 | 471.1 | 471.7 | 472.2 | 471.7 | 471.1 | 470.6 |
| 180°   | 471.2 | 471.2 | 471.2  | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 927.4 | 927.4  | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 |
| 2.5°   | 913.5 | 910.5  | 912.0 | 904.3 | 897.4 | 887.4 | 879.0 | 877.4 | 875.9 | 880.5 | 877.4 |
| 5°     | 887.4 | 883.6  | 879.7 | 870.5 | 856.7 | 848.2 | 835.9 | 835.2 | 830.6 | 823.6 | 825.2 |
| 7.5°   | 859.0 | 856.7  | 851.3 | 836.7 | 824.4 | 809.8 | 799.8 | 791.4 | 787.5 | 781.4 | 779.1 |
| 10°    | 835.9 | 827.5  | 822.9 | 806.7 | 792.1 | 776.8 | 763.7 | 757.6 | 750.7 | 745.3 | 741.4 |
| 12.5°  | 804.4 | 802.1  | 789.1 | 776.0 | 763.7 | 746.0 | 736.1 | 718.4 | 709.2 | 713.8 | 712.2 |
| 15°    | 783.7 | 772.9  | 769.9 | 751.4 | 730.7 | 719.2 | 700.7 | 689.2 | 685.3 | 678.4 | 670.0 |
| 17.5°  | 756.0 | 749.1  | 738.4 | 721.5 | 697.6 | 681.5 | 668.4 | 657.7 | 653.1 | 643.9 | 636.9 |
| 20°    | 729.9 | 718.4  | 709.9 | 694.6 | 671.5 | 650.8 | 634.6 | 627.7 | 616.2 | 608.5 | 604.7 |
| 22.5°  | 706.1 | 697.6  | 685.3 | 662.3 | 642.3 | 622.3 | 603.1 | 593.1 | 582.4 | 577.8 | 571.6 |
| 25°    | 676.9 | 663.1  | 654.6 | 629.3 | 607.7 | 591.6 | 573.9 | 560.9 | 554.7 | 547.0 | 545.5 |
| 27.5°  | 648.5 | 635.4  | 625.4 | 603.1 | 577.0 | 556.3 | 545.5 | 536.3 | 525.5 | 525.5 | 521.7 |
| 30°    | 620.0 | 610.8  | 595.5 | 573.9 | 549.4 | 529.4 | 517.1 | 508.6 | 504.8 | 501.7 | 500.9 |
| 32.5°  | 591.6 | 579.3  | 570.1 | 540.9 | 522.5 | 504.0 | 494.8 | 487.9 | 483.3 | 482.5 | 483.3 |
| 35°    | 562.4 | 548.6  | 539.4 | 513.2 | 494.8 | 477.9 | 474.1 | 467.9 | 465.6 | 464.8 | 468.7 |
| 37.5°  | 531.7 | 520.9  | 509.4 | 487.9 | 467.1 | 457.2 | 449.5 | 447.2 | 446.4 | 451.0 | 452.5 |
| 40°    | 503.3 | 494.0  | 483.3 | 460.2 | 444.9 | 434.1 | 430.3 | 428.0 | 431.0 | 435.6 | 437.9 |
| 42.5°  | 476.4 | 463.3  | 454.8 | 434.1 | 420.3 | 414.1 | 409.5 | 409.5 | 412.6 | 418.0 | 421.8 |
| 45°    | 447.9 | 437.9  | 429.5 | 411.1 | 398.8 | 391.8 | 391.1 | 391.8 | 395.7 | 399.5 | 404.1 |
| 47.5°  | 420.3 | 410.3  | 401.1 | 385.7 | 374.9 | 371.1 | 370.3 | 371.1 | 377.2 | 382.6 | 388.0 |
| 50°    | 394.9 | 384.2  | 375.7 | 361.1 | 352.7 | 348.1 | 348.8 | 352.7 | 357.3 | 365.0 | 371.9 |
| 52.5°  | 365.0 | 357.3  | 349.6 | 336.5 | 328.8 | 325.8 | 328.1 | 331.1 | 339.6 | 345.0 | 353.4 |
| 55°    | 335.8 | 328.8  | 322.7 | 312.7 | 306.6 | 304.3 | 305.8 | 310.4 | 317.3 | 326.5 | 336.5 |
| 57.5°  | 308.9 | 301.2  | 295.0 | 288.1 | 281.2 | 282.0 | 282.7 | 288.9 | 297.3 | 305.8 | 317.3 |
| 60°    | 278.9 | 274.3  | 268.9 | 260.5 | 257.4 | 257.4 | 259.7 | 266.6 | 274.3 | 288.1 | 298.1 |
| 62.5°  | 252.0 | 245.9  | 242.0 | 236.6 | 232.0 | 232.8 | 238.2 | 244.3 | 253.5 | 265.1 | 278.1 |
| 65°    | 224.4 | 217.4  | 214.4 | 209.8 | 208.2 | 209.0 | 212.8 | 222.0 | 232.0 | 242.0 | 254.3 |
| 67.5°  | 193.6 | 191.3  | 188.2 | 183.6 | 185.2 | 185.9 | 189.8 | 197.5 | 208.2 | 218.2 | 232.0 |
| 70°    | 167.5 | 162.9  | 162.1 | 158.3 | 158.3 | 160.6 | 168.3 | 173.6 | 183.6 | 194.4 | 209.0 |
| 72.5°  | 139.8 | 136.0  | 136.0 | 132.9 | 135.2 | 137.5 | 141.4 | 149.1 | 158.3 | 169.0 | 181.3 |
| 75°    | 111.4 | 109.9  | 111.4 | 109.9 | 109.9 | 113.7 | 118.3 | 124.5 | 134.5 | 146.0 | 156.0 |
| 77.5°  | 86.1  | 86.1   | 85.3  | 87.6  | 87.6  | 89.9  | 96.0  | 102.2 | 109.9 | 119.1 | 129.8 |
| 80°    | 63.0  | 63.0   | 63.0  | 65.3  | 67.6  | 67.6  | 71.5  | 79.1  | 86.1  | 92.2  | 102.2 |
| 82.5°  | 43.0  | 43.0   | 43.0  | 44.6  | 47.6  | 47.6  | 52.2  | 56.9  | 64.5  | 69.9  | 74.5  |
| 85°    | 26.1  | 26.1   | 25.4  | 26.9  | 27.7  | 30.0  | 33.8  | 36.9  | 40.7  | 45.3  | 49.9  |
| 87.5°  | 11.5  | 11.5   | 12.3  | 13.1  | 13.8  | 15.4  | 16.9  | 18.4  | 22.3  | 23.8  | 26.1  |
| 90°    | 4.5   | 4.9    | 5.2   | 5.9   | 6.5   | 7.2   | 7.8   | 8.3   | 8.7   | 9.2   | 9.7   |
| 92.5°  | 4.7   | 4.6    | 4.9   | 5.5   | 6.2   | 6.8   | 7.4   | 7.9   | 8.3   | 8.8   | 9.3   |
| 95°    | 8.7   | 7.4    | 7.4   | 7.5   | 7.6   | 7.7   | 7.8   | 8.3   | 8.7   | 9.2   | 9.7   |
| 97.5°  | 43.9  | 44.8   | 40.7  | 32.5  | 24.2  | 16.0  | 7.8   | 8.2   | 8.6   | 8.9   | 9.3   |
| 100°   | 63.4  | 64.1   | 58.7  | 47.9  | 37.1  | 26.3  | 15.5  | 14.2  | 12.8  | 11.5  | 10.2  |
| 102.5° | 84.8  | 85.3   | 85.8  | 86.7  | 87.6  | 88.6  | 89.5  | 71.9  | 54.3  | 36.6  | 19.0  |
| 105°   | 108.0 | 108.2  | 108.4 | 108.8 | 109.2 | 109.6 | 110.0 | 110.7 | 111.4 | 112.1 | 112.8 |
| 107.5° | 129.9 | 130.0  | 130.3 | 130.8 | 131.4 | 131.9 | 132.5 | 132.9 | 133.3 | 133.7 | 134.1 |
| 110°   | 153.2 | 153.3  | 153.5 | 154.0 | 154.5 | 154.9 | 155.4 | 155.6 | 155.7 | 155.9 | 156.0 |



TEST NUMBER: P1013090

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**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 176.7 | 176.9  | 177.0 | 177.1 | 177.3 | 177.4 | 177.6 | 177.5 | 177.5 | 177.4 | 177.3 |
| 115°   | 199.0 | 199.1  | 199.1 | 199.0 | 198.9 | 198.9 | 198.8 | 199.0 | 199.1 | 199.3 | 199.4 |
| 117.5° | 220.1 | 220.3  | 220.4 | 220.6 | 220.9 | 221.1 | 221.3 | 221.2 | 221.2 | 221.1 | 221.0 |
| 120°   | 241.2 | 241.4  | 241.4 | 241.3 | 241.2 | 241.2 | 241.1 | 241.3 | 241.4 | 241.6 | 241.7 |
| 122.5° | 260.3 | 260.4  | 260.5 | 260.6 | 260.8 | 260.9 | 261.1 | 261.2 | 261.3 | 261.4 | 261.5 |
| 125°   | 279.6 | 279.8  | 279.7 | 279.6 | 279.4 | 279.3 | 279.1 | 279.3 | 279.6 | 279.8 | 280.1 |
| 127.5° | 296.7 | 296.7  | 296.9 | 297.3 | 297.7 | 298.1 | 298.5 | 298.4 | 298.3 | 298.2 | 298.1 |
| 130°   | 314.0 | 314.0  | 314.1 | 314.4 | 314.6 | 314.9 | 315.1 | 315.2 | 315.2 | 315.3 | 315.4 |
| 132.5° | 330.1 | 330.2  | 330.4 | 330.7 | 331.0 | 331.3 | 331.6 | 331.7 | 331.8 | 331.9 | 332.0 |
| 135°   | 345.0 | 345.0  | 345.2 | 345.5 | 345.8 | 346.1 | 346.4 | 346.6 | 346.7 | 346.9 | 347.0 |
| 137.5° | 359.5 | 359.5  | 359.7 | 360.1 | 360.4 | 360.8 | 361.2 | 361.4 | 361.5 | 361.7 | 361.8 |
| 140°   | 373.8 | 373.9  | 374.0 | 374.1 | 374.3 | 374.4 | 374.6 | 374.8 | 375.1 | 375.3 | 375.6 |
| 142.5° | 386.8 | 387.0  | 387.0 | 387.1 | 387.2 | 387.2 | 387.3 | 387.5 | 387.6 | 387.8 | 387.9 |
| 145°   | 399.2 | 399.3  | 399.3 | 399.3 | 399.3 | 399.3 | 399.3 | 399.4 | 399.4 | 399.5 | 399.6 |
| 147.5° | 410.0 | 410.2  | 410.2 | 410.1 | 410.0 | 410.0 | 409.9 | 410.0 | 410.0 | 410.1 | 410.2 |
| 150°   | 420.2 | 420.4  | 420.4 | 420.3 | 420.2 | 420.2 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 |
| 152.5° | 429.2 | 429.3  | 429.2 | 429.0 | 428.9 | 428.7 | 428.5 | 428.7 | 428.9 | 429.0 | 429.2 |
| 155°   | 437.0 | 437.0  | 436.9 | 436.6 | 436.4 | 436.1 | 435.9 | 436.2 | 436.6 | 436.9 | 437.2 |
| 157.5° | 444.1 | 444.1  | 443.9 | 443.6 | 443.3 | 442.9 | 442.6 | 443.0 | 443.4 | 443.8 | 444.2 |
| 160°   | 449.4 | 449.3  | 449.3 | 449.2 | 449.1 | 449.1 | 449.0 | 449.5 | 449.9 | 450.4 | 450.9 |
| 162.5° | 454.8 | 454.6  | 454.6 | 454.5 | 454.4 | 454.4 | 454.3 | 454.8 | 455.2 | 455.7 | 456.2 |
| 165°   | 459.1 | 458.9  | 458.9 | 458.9 | 458.9 | 458.9 | 458.9 | 459.5 | 460.1 | 460.8 | 461.4 |
| 167.5° | 462.9 | 462.7  | 462.7 | 462.6 | 462.5 | 462.5 | 462.4 | 463.1 | 463.8 | 464.5 | 465.2 |
| 170°   | 465.8 | 465.6  | 465.6 | 465.7 | 465.8 | 465.8 | 465.9 | 466.5 | 467.1 | 467.8 | 468.4 |
| 172.5° | 467.9 | 467.7  | 467.7 | 467.8 | 467.9 | 467.9 | 468.0 | 468.6 | 469.2 | 469.9 | 470.5 |
| 175°   | 469.3 | 469.1  | 469.1 | 469.2 | 469.3 | 469.3 | 469.4 | 470.1 | 470.8 | 471.5 | 472.2 |
| 177.5° | 470.1 | 469.8  | 469.9 | 470.0 | 470.2 | 470.3 | 470.5 | 471.1 | 471.7 | 472.4 | 473.0 |
| 180°   | 471.2 | 471.2  | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 |

TEST NUMBER: P1013090

CATALOG NUMBER: S124DIP-B575D365UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 927.4  | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4  |
| 2.5°   | 875.1  | 874.4 | 870.5 | 872.0 | 867.4 | 869.0 | 871.3 | 872.0 | 875.1 | 872.8 | 872.0  |
| 5°     | 821.3  | 819.8 | 817.5 | 815.2 | 814.4 | 817.5 | 812.1 | 813.7 | 815.2 | 817.5 | 820.6  |
| 7.5°   | 777.5  | 776.8 | 774.5 | 770.6 | 769.1 | 767.6 | 768.3 | 773.7 | 772.9 | 772.2 | 777.5  |
| 10°    | 737.6  | 738.4 | 733.7 | 733.0 | 728.4 | 727.6 | 728.4 | 729.9 | 732.2 | 735.3 | 736.1  |
| 12.5°  | 696.1  | 706.1 | 697.6 | 694.6 | 687.6 | 691.5 | 693.0 | 686.1 | 690.0 | 692.3 | 703.8  |
| 15°    | 670.0  | 665.4 | 660.0 | 660.0 | 656.9 | 655.4 | 651.5 | 656.9 | 660.0 | 664.6 | 663.1  |
| 17.5°  | 633.9  | 626.2 | 623.1 | 620.0 | 620.8 | 623.9 | 615.4 | 627.7 | 627.7 | 630.0 | 626.2  |
| 20°    | 602.4  | 596.2 | 592.4 | 590.8 | 588.5 | 587.0 | 586.2 | 589.3 | 593.9 | 595.5 | 599.3  |
| 22.5°  | 569.3  | 569.3 | 563.2 | 560.9 | 559.3 | 557.0 | 560.9 | 558.6 | 561.6 | 564.7 | 570.9  |
| 25°    | 541.7  | 541.7 | 539.4 | 536.3 | 534.0 | 532.4 | 534.8 | 534.0 | 536.3 | 540.1 | 541.7  |
| 27.5°  | 519.4  | 517.1 | 516.3 | 515.5 | 514.8 | 515.5 | 514.8 | 517.1 | 519.4 | 520.2 | 518.6  |
| 30°    | 500.2  | 497.9 | 498.6 | 498.6 | 499.4 | 498.6 | 497.9 | 500.2 | 500.9 | 499.4 | 500.2  |
| 32.5°  | 482.5  | 482.5 | 484.0 | 484.8 | 484.8 | 485.6 | 486.3 | 484.8 | 485.6 | 483.3 | 484.0  |
| 35°    | 467.9  | 469.4 | 471.0 | 471.8 | 472.5 | 471.8 | 473.3 | 472.5 | 471.0 | 469.4 | 468.7  |
| 37.5°  | 453.3  | 454.8 | 457.9 | 458.7 | 461.0 | 461.8 | 460.2 | 460.2 | 459.5 | 456.4 | 454.8  |
| 40°    | 437.9  | 439.5 | 443.3 | 445.6 | 447.2 | 449.5 | 447.9 | 447.9 | 444.9 | 441.8 | 439.5  |
| 42.5°  | 423.3  | 426.4 | 430.3 | 432.6 | 435.6 | 435.6 | 435.6 | 434.1 | 430.3 | 427.2 | 424.9  |
| 45°    | 408.7  | 409.5 | 414.9 | 418.7 | 421.8 | 421.8 | 421.8 | 419.5 | 417.2 | 411.1 | 408.0  |
| 47.5°  | 392.6  | 394.9 | 401.1 | 404.9 | 408.0 | 408.7 | 408.7 | 406.4 | 401.8 | 396.5 | 392.6  |
| 50°    | 374.9  | 378.8 | 385.7 | 391.1 | 394.9 | 396.5 | 394.1 | 392.6 | 387.2 | 381.1 | 376.5  |
| 52.5°  | 358.0  | 362.6 | 371.1 | 375.7 | 381.1 | 381.9 | 381.1 | 378.8 | 372.6 | 364.2 | 360.3  |
| 55°    | 341.1  | 345.0 | 354.2 | 361.9 | 366.5 | 368.0 | 366.5 | 362.6 | 355.0 | 346.5 | 342.7  |
| 57.5°  | 322.7  | 328.1 | 338.1 | 345.7 | 351.1 | 351.9 | 350.4 | 346.5 | 340.4 | 329.6 | 324.2  |
| 60°    | 303.5  | 310.4 | 320.4 | 328.1 | 335.0 | 335.8 | 334.2 | 328.8 | 321.2 | 310.4 | 305.8  |
| 62.5°  | 284.3  | 289.7 | 301.2 | 309.6 | 315.0 | 318.9 | 315.8 | 310.4 | 302.7 | 292.0 | 285.0  |
| 65°    | 262.0  | 269.7 | 279.7 | 287.4 | 293.5 | 294.3 | 292.7 | 288.1 | 279.7 | 268.1 | 262.8  |
| 67.5°  | 240.5  | 245.9 | 255.9 | 265.8 | 268.1 | 270.4 | 268.1 | 263.5 | 256.6 | 246.6 | 238.9  |
| 70°    | 214.4  | 219.0 | 231.3 | 238.2 | 241.3 | 243.6 | 242.0 | 237.4 | 231.3 | 222.0 | 215.9  |
| 72.5°  | 188.2  | 192.1 | 203.6 | 209.0 | 215.1 | 214.4 | 213.6 | 210.5 | 202.1 | 195.9 | 192.1  |
| 75°    | 160.6  | 165.2 | 172.9 | 179.8 | 182.1 | 182.1 | 182.1 | 179.8 | 174.4 | 164.4 | 160.6  |
| 77.5°  | 135.2  | 137.5 | 143.7 | 147.5 | 149.8 | 150.6 | 149.8 | 146.0 | 142.9 | 136.0 | 133.7  |
| 80°    | 103.7  | 109.9 | 114.5 | 115.2 | 118.3 | 118.3 | 118.3 | 116.8 | 113.7 | 106.8 | 106.0  |
| 82.5°  | 78.4   | 79.9  | 84.5  | 86.8  | 88.4  | 87.6  | 87.6  | 84.5  | 83.7  | 79.9  | 78.4   |
| 85°    | 53.0   | 55.3  | 54.6  | 57.6  | 58.4  | 56.9  | 56.9  | 58.4  | 54.6  | 55.3  | 53.0   |
| 87.5°  | 29.2   | 29.2  | 30.7  | 30.0  | 33.0  | 33.0  | 31.5  | 32.3  | 30.7  | 30.0  | 29.2   |
| 90°    | 9.9    | 10.0  | 10.1  | 10.3  | 10.4  | 10.6  | 10.4  | 10.3  | 10.1  | 10.0  | 9.9    |
| 92.5°  | 9.5    | 9.5   | 9.5   | 9.5   | 9.5   | 9.5   | 9.5   | 9.5   | 9.5   | 9.5   | 9.5    |
| 95°    | 9.9    | 9.9   | 10.0  | 10.1  | 10.1  | 10.2  | 10.1  | 10.1  | 10.0  | 9.9   | 9.9    |
| 97.5°  | 9.5    | 9.5   | 9.6   | 9.7   | 9.8   | 9.9   | 9.8   | 9.7   | 9.6   | 9.5   | 9.5    |
| 100°   | 9.5    | 9.5   | 9.6   | 9.7   | 9.8   | 9.9   | 9.8   | 9.7   | 9.6   | 9.5   | 9.5    |
| 102.5° | 10.2   | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2   |
| 105°   | 113.1  | 111.7 | 108.9 | 106.0 | 103.2 | 100.4 | 103.2 | 106.0 | 108.9 | 111.7 | 113.1  |
| 107.5° | 134.3  | 134.5 | 134.8 | 135.1 | 135.4 | 135.7 | 135.4 | 135.1 | 134.8 | 134.5 | 134.3  |
| 110°   | 156.1  | 156.2 | 156.5 | 156.7 | 157.0 | 157.2 | 157.0 | 156.7 | 156.5 | 156.2 | 156.1  |

TEST NUMBER: P1013090

CATALOG NUMBER: S124DIP-B575D365UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 177.3  | 177.5 | 177.8 | 178.1 | 178.4 | 178.7 | 178.4 | 178.1 | 177.8 | 177.5 | 177.3  |
| 115°   | 199.5  | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 | 199.5  |
| 117.5° | 221.0  | 221.0 | 221.0 | 221.0 | 221.0 | 221.0 | 221.0 | 221.0 | 221.0 | 221.0 | 221.0  |
| 120°   | 241.8  | 241.7 | 241.6 | 241.4 | 241.3 | 241.1 | 241.3 | 241.4 | 241.6 | 241.7 | 241.8  |
| 122.5° | 261.5  | 261.4 | 261.3 | 261.1 | 261.0 | 260.8 | 261.0 | 261.1 | 261.3 | 261.4 | 261.5  |
| 125°   | 280.2  | 280.2 | 280.3 | 280.4 | 280.4 | 280.5 | 280.4 | 280.4 | 280.3 | 280.2 | 280.2  |
| 127.5° | 298.1  | 298.1 | 298.0 | 297.9 | 297.9 | 297.8 | 297.9 | 297.9 | 298.0 | 298.1 | 298.1  |
| 130°   | 315.4  | 315.4 | 315.4 | 315.4 | 315.4 | 315.4 | 315.4 | 315.4 | 315.4 | 315.4 | 315.4  |
| 132.5° | 332.0  | 332.0 | 331.9 | 331.8 | 331.7 | 331.6 | 331.7 | 331.8 | 331.9 | 332.0 | 332.0  |
| 135°   | 347.1  | 347.2 | 347.3 | 347.5 | 347.6 | 347.8 | 347.6 | 347.5 | 347.3 | 347.2 | 347.1  |
| 137.5° | 361.9  | 361.9 | 361.8 | 361.7 | 361.7 | 361.6 | 361.7 | 361.7 | 361.8 | 361.9 | 361.9  |
| 140°   | 375.7  | 375.7 | 375.8 | 375.9 | 375.9 | 376.0 | 375.9 | 375.9 | 375.8 | 375.7 | 375.7  |
| 142.5° | 388.0  | 388.0 | 388.0 | 388.0 | 388.0 | 388.0 | 388.0 | 388.0 | 388.0 | 388.0 | 388.0  |
| 145°   | 399.6  | 399.7 | 399.9 | 400.0 | 400.2 | 400.4 | 400.2 | 400.0 | 399.9 | 399.7 | 399.6  |
| 147.5° | 410.2  | 410.2 | 410.3 | 410.4 | 410.5 | 410.6 | 410.5 | 410.4 | 410.3 | 410.2 | 410.2  |
| 150°   | 420.1  | 420.1 | 420.2 | 420.3 | 420.3 | 420.4 | 420.3 | 420.3 | 420.2 | 420.1 | 420.1  |
| 152.5° | 429.3  | 429.3 | 429.2 | 429.1 | 429.0 | 428.9 | 429.0 | 429.1 | 429.2 | 429.3 | 429.3  |
| 155°   | 437.4  | 437.3 | 437.0 | 436.8 | 436.5 | 436.3 | 436.5 | 436.8 | 437.0 | 437.3 | 437.4  |
| 157.5° | 444.4  | 444.2 | 443.8 | 443.4 | 443.0 | 442.6 | 443.0 | 443.4 | 443.8 | 444.2 | 444.4  |
| 160°   | 451.1  | 450.9 | 450.4 | 449.9 | 449.5 | 449.0 | 449.5 | 449.9 | 450.4 | 450.9 | 451.1  |
| 162.5° | 456.4  | 456.1 | 455.6 | 455.0 | 454.5 | 453.9 | 454.5 | 455.0 | 455.6 | 456.1 | 456.4  |
| 165°   | 461.7  | 461.3 | 460.6 | 459.9 | 459.2 | 458.5 | 459.2 | 459.9 | 460.6 | 461.3 | 461.7  |
| 167.5° | 465.6  | 465.2 | 464.4 | 463.6 | 462.8 | 462.0 | 462.8 | 463.6 | 464.4 | 465.2 | 465.6  |
| 170°   | 468.7  | 468.3 | 467.5 | 466.8 | 466.0 | 465.2 | 466.0 | 466.8 | 467.5 | 468.3 | 468.7  |
| 172.5° | 470.8  | 470.4 | 469.5 | 468.7 | 467.8 | 467.0 | 467.8 | 468.7 | 469.5 | 470.4 | 470.8  |
| 175°   | 472.6  | 472.1 | 471.2 | 470.3 | 469.3 | 468.4 | 469.3 | 470.3 | 471.2 | 472.1 | 472.6  |
| 177.5° | 473.3  | 472.8 | 471.9 | 471.0 | 470.0 | 469.1 | 470.0 | 471.0 | 471.9 | 472.8 | 473.3  |
| 180°   | 471.2  | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2  |

TEST NUMBER: P1013090

CATALOG NUMBER: S124DIP-B575D365UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4 | 927.4  | 927.4 |
| 2.5°   | 872.0 | 876.7 | 872.0 | 875.1 | 876.7 | 880.5 | 882.0 | 888.9 | 891.3 | 896.6  | 896.6 |
| 5°     | 819.8 | 822.1 | 822.9 | 825.9 | 829.0 | 836.7 | 842.1 | 852.1 | 863.6 | 865.1  | 872.0 |
| 7.5°   | 777.5 | 781.4 | 787.5 | 785.2 | 790.6 | 802.1 | 809.0 | 821.3 | 832.9 | 839.0  | 847.5 |
| 10°    | 739.9 | 744.5 | 746.8 | 749.1 | 759.1 | 769.1 | 779.8 | 788.3 | 803.7 | 812.9  | 819.8 |
| 12.5°  | 709.2 | 705.3 | 709.9 | 718.4 | 729.9 | 736.1 | 750.7 | 763.7 | 775.2 | 785.2  | 791.4 |
| 15°    | 669.2 | 672.3 | 676.9 | 691.5 | 694.6 | 709.9 | 715.3 | 729.9 | 751.4 | 760.6  | 768.3 |
| 17.5°  | 630.8 | 640.8 | 650.0 | 655.4 | 664.6 | 676.9 | 692.3 | 708.4 | 722.2 | 733.0  | 742.2 |
| 20°    | 600.1 | 610.0 | 615.4 | 619.3 | 628.5 | 645.4 | 660.0 | 680.0 | 697.6 | 706.1  | 718.4 |
| 22.5°  | 575.5 | 575.5 | 583.2 | 594.7 | 600.1 | 616.2 | 628.5 | 650.0 | 669.2 | 680.0  | 691.5 |
| 25°    | 544.7 | 549.4 | 555.5 | 565.5 | 573.2 | 586.2 | 603.9 | 622.3 | 643.1 | 652.3  | 666.9 |
| 27.5°  | 519.4 | 524.8 | 533.2 | 535.5 | 543.2 | 554.7 | 573.2 | 593.1 | 614.7 | 624.6  | 636.9 |
| 30°    | 500.2 | 503.3 | 506.3 | 510.9 | 517.8 | 527.8 | 543.2 | 560.9 | 587.0 | 594.7  | 610.0 |
| 32.5°  | 483.3 | 484.8 | 486.3 | 490.2 | 494.0 | 504.0 | 516.3 | 535.5 | 557.0 | 568.6  | 582.4 |
| 35°    | 467.9 | 466.4 | 467.1 | 469.4 | 473.3 | 477.1 | 490.2 | 506.3 | 526.3 | 540.1  | 550.9 |
| 37.5°  | 453.3 | 450.2 | 449.5 | 449.5 | 451.0 | 455.6 | 465.6 | 479.4 | 500.9 | 512.5  | 523.2 |
| 40°    | 437.2 | 434.1 | 432.6 | 431.8 | 431.0 | 434.1 | 441.8 | 455.6 | 472.5 | 483.3  | 495.6 |
| 42.5°  | 421.8 | 418.7 | 414.9 | 414.1 | 412.6 | 414.1 | 419.5 | 432.6 | 447.2 | 457.9  | 467.9 |
| 45°    | 406.4 | 401.1 | 396.5 | 393.4 | 394.1 | 391.8 | 395.7 | 405.7 | 422.6 | 429.5  | 439.5 |
| 47.5°  | 389.5 | 383.4 | 377.2 | 374.2 | 371.1 | 372.6 | 374.2 | 382.6 | 397.2 | 404.1  | 414.1 |
| 50°    | 373.4 | 365.0 | 358.0 | 354.2 | 351.9 | 350.4 | 351.9 | 360.3 | 371.1 | 377.2  | 385.7 |
| 52.5°  | 355.0 | 346.5 | 339.6 | 333.5 | 330.4 | 328.1 | 328.8 | 336.5 | 346.5 | 352.7  | 361.1 |
| 55°    | 338.1 | 327.3 | 318.1 | 310.4 | 308.1 | 307.3 | 306.6 | 311.9 | 320.4 | 326.5  | 333.5 |
| 57.5°  | 318.9 | 308.1 | 298.1 | 288.9 | 284.3 | 283.5 | 283.5 | 285.0 | 295.8 | 300.4  | 304.3 |
| 60°    | 299.6 | 288.1 | 277.4 | 268.9 | 262.0 | 259.7 | 258.9 | 262.0 | 267.4 | 272.0  | 277.4 |
| 62.5°  | 278.1 | 266.6 | 253.5 | 245.9 | 238.9 | 232.8 | 235.1 | 235.9 | 243.6 | 245.9  | 250.5 |
| 65°    | 257.4 | 244.3 | 233.6 | 221.3 | 213.6 | 209.8 | 208.2 | 209.8 | 215.9 | 216.7  | 219.7 |
| 67.5°  | 233.6 | 221.3 | 208.2 | 199.8 | 192.8 | 185.9 | 184.4 | 184.4 | 187.5 | 189.8  | 193.6 |
| 70°    | 210.5 | 198.2 | 183.6 | 174.4 | 167.5 | 161.3 | 159.0 | 158.3 | 160.6 | 162.1  | 166.0 |
| 72.5°  | 183.6 | 171.3 | 160.6 | 150.6 | 142.1 | 137.5 | 135.2 | 133.7 | 136.0 | 137.5  | 138.3 |
| 75°    | 155.2 | 145.2 | 134.5 | 124.5 | 119.1 | 114.5 | 111.4 | 109.1 | 110.6 | 110.6  | 110.6 |
| 77.5°  | 128.3 | 118.3 | 109.9 | 103.0 | 96.0  | 90.7  | 88.4  | 86.1  | 86.8  | 86.8   | 88.4  |
| 80°    | 99.9  | 93.0  | 86.1  | 79.9  | 73.8  | 69.1  | 67.6  | 65.3  | 63.8  | 63.0   | 63.0  |
| 82.5°  | 73.8  | 68.4  | 62.2  | 56.9  | 53.8  | 49.2  | 47.6  | 44.6  | 44.6  | 43.8   | 43.8  |
| 85°    | 49.2  | 46.1  | 40.0  | 36.1  | 33.8  | 31.5  | 30.0  | 28.4  | 26.1  | 26.1   | 25.4  |
| 87.5°  | 26.1  | 24.6  | 23.0  | 18.4  | 18.4  | 16.1  | 15.4  | 14.6  | 12.3  | 13.1   | 13.1  |
| 90°    | 9.7   | 9.2   | 8.7   | 8.3   | 7.8   | 7.2   | 6.5   | 5.9   | 5.2   | 4.9    | 4.5   |
| 92.5°  | 9.3   | 8.8   | 8.3   | 7.9   | 7.4   | 6.8   | 6.2   | 5.5   | 4.9   | 4.6    | 4.7   |
| 95°    | 9.7   | 9.2   | 8.7   | 8.3   | 7.8   | 7.7   | 7.6   | 7.5   | 7.4   | 7.4    | 8.7   |
| 97.5°  | 9.3   | 8.9   | 8.6   | 8.2   | 7.8   | 16.0  | 24.2  | 32.5  | 40.7  | 44.8   | 43.9  |
| 100°   | 10.2  | 11.5  | 12.8  | 14.2  | 15.5  | 26.3  | 37.1  | 47.9  | 58.7  | 64.1   | 63.4  |
| 102.5° | 19.0  | 36.6  | 54.3  | 71.9  | 89.5  | 88.6  | 87.6  | 86.7  | 85.8  | 85.3   | 84.8  |
| 105°   | 112.8 | 112.1 | 111.4 | 110.7 | 110.0 | 109.6 | 109.2 | 108.8 | 108.4 | 108.2  | 108.0 |
| 107.5° | 134.1 | 133.7 | 133.3 | 132.9 | 132.5 | 131.9 | 131.4 | 130.8 | 130.3 | 130.0  | 129.9 |
| 110°   | 156.0 | 155.9 | 155.7 | 155.6 | 155.4 | 154.9 | 154.5 | 154.0 | 153.5 | 153.3  | 153.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 177.3 | 177.4 | 177.5 | 177.5 | 177.6 | 177.4 | 177.3 | 177.1 | 177.0 | 176.9  | 176.7 |
| 115°   | 199.4 | 199.3 | 199.1 | 199.0 | 198.8 | 198.9 | 198.9 | 199.0 | 199.1 | 199.1  | 199.0 |
| 117.5° | 221.0 | 221.1 | 221.2 | 221.2 | 221.3 | 221.1 | 220.9 | 220.6 | 220.4 | 220.3  | 220.1 |
| 120°   | 241.7 | 241.6 | 241.4 | 241.3 | 241.1 | 241.2 | 241.2 | 241.3 | 241.4 | 241.4  | 241.2 |
| 122.5° | 261.5 | 261.4 | 261.3 | 261.2 | 261.1 | 260.9 | 260.8 | 260.6 | 260.5 | 260.4  | 260.3 |
| 125°   | 280.1 | 279.8 | 279.6 | 279.3 | 279.1 | 279.3 | 279.4 | 279.6 | 279.7 | 279.8  | 279.6 |
| 127.5° | 298.1 | 298.2 | 298.3 | 298.4 | 298.5 | 298.1 | 297.7 | 297.3 | 296.9 | 296.7  | 296.7 |
| 130°   | 315.4 | 315.3 | 315.2 | 315.2 | 315.1 | 314.9 | 314.6 | 314.4 | 314.1 | 314.0  | 314.0 |
| 132.5° | 332.0 | 331.9 | 331.8 | 331.7 | 331.6 | 331.3 | 331.0 | 330.7 | 330.4 | 330.2  | 330.1 |
| 135°   | 347.0 | 346.9 | 346.7 | 346.6 | 346.4 | 346.1 | 345.8 | 345.5 | 345.2 | 345.0  | 345.0 |
| 137.5° | 361.8 | 361.7 | 361.5 | 361.4 | 361.2 | 360.8 | 360.4 | 360.1 | 359.7 | 359.5  | 359.5 |
| 140°   | 375.6 | 375.3 | 375.1 | 374.8 | 374.6 | 374.4 | 374.3 | 374.1 | 374.0 | 373.9  | 373.8 |
| 142.5° | 387.9 | 387.8 | 387.6 | 387.5 | 387.3 | 387.2 | 387.2 | 387.1 | 387.0 | 387.0  | 386.8 |
| 145°   | 399.6 | 399.5 | 399.4 | 399.4 | 399.3 | 399.3 | 399.3 | 399.3 | 399.3 | 399.3  | 399.2 |
| 147.5° | 410.2 | 410.1 | 410.0 | 410.0 | 409.9 | 410.0 | 410.0 | 410.1 | 410.2 | 410.2  | 410.0 |
| 150°   | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.2 | 420.2 | 420.3 | 420.4 | 420.4  | 420.2 |
| 152.5° | 429.2 | 429.0 | 428.9 | 428.7 | 428.5 | 428.7 | 428.9 | 429.0 | 429.2 | 429.3  | 429.2 |
| 155°   | 437.2 | 436.9 | 436.6 | 436.2 | 435.9 | 436.1 | 436.4 | 436.6 | 436.9 | 437.0  | 437.0 |
| 157.5° | 444.2 | 443.8 | 443.4 | 443.0 | 442.6 | 442.9 | 443.3 | 443.6 | 443.9 | 444.1  | 444.1 |
| 160°   | 450.9 | 450.4 | 449.9 | 449.5 | 449.0 | 449.1 | 449.1 | 449.2 | 449.3 | 449.3  | 449.4 |
| 162.5° | 456.2 | 455.7 | 455.2 | 454.8 | 454.3 | 454.4 | 454.4 | 454.5 | 454.6 | 454.6  | 454.8 |
| 165°   | 461.4 | 460.8 | 460.1 | 459.5 | 458.9 | 458.9 | 458.9 | 458.9 | 458.9 | 458.9  | 459.1 |
| 167.5° | 465.2 | 464.5 | 463.8 | 463.1 | 462.4 | 462.5 | 462.5 | 462.6 | 462.7 | 462.7  | 462.9 |
| 170°   | 468.4 | 467.8 | 467.1 | 466.5 | 465.9 | 465.8 | 465.8 | 465.7 | 465.6 | 465.6  | 465.8 |
| 172.5° | 470.5 | 469.9 | 469.2 | 468.6 | 468.0 | 467.9 | 467.9 | 467.8 | 467.7 | 467.7  | 467.9 |
| 175°   | 472.2 | 471.5 | 470.8 | 470.1 | 469.4 | 469.3 | 469.3 | 469.2 | 469.1 | 469.1  | 469.3 |
| 177.5° | 473.0 | 472.4 | 471.7 | 471.1 | 470.5 | 470.3 | 470.2 | 470.0 | 469.9 | 469.8  | 470.1 |
| 180°   | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2 | 471.2  | 471.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 927.4 | 927.4 | 927.4 | 927.4 |
| 2.5°   | 902.0 | 909.7 | 916.6 | 927.4 |
| 5°     | 882.0 | 892.8 | 907.4 | 923.5 |
| 7.5°   | 859.0 | 875.9 | 895.1 | 917.4 |
| 10°    | 837.5 | 856.7 | 881.3 | 908.2 |
| 12.5°  | 815.2 | 838.2 | 865.1 | 894.3 |
| 15°    | 789.8 | 812.9 | 842.9 | 882.0 |
| 17.5°  | 766.8 | 794.4 | 826.7 | 868.2 |
| 20°    | 739.9 | 766.0 | 801.4 | 849.0 |
| 22.5°  | 716.1 | 746.0 | 785.2 | 826.7 |
| 25°    | 690.0 | 716.1 | 755.3 | 805.2 |
| 27.5°  | 663.8 | 696.1 | 733.7 | 782.2 |
| 30°    | 638.5 | 665.4 | 706.1 | 756.8 |
| 32.5°  | 610.8 | 643.1 | 680.7 | 728.4 |
| 35°    | 580.9 | 611.6 | 646.9 | 698.4 |
| 37.5°  | 554.0 | 583.9 | 620.0 | 665.4 |
| 40°    | 524.0 | 555.5 | 588.5 | 633.9 |
| 42.5°  | 494.8 | 523.2 | 556.3 | 597.8 |
| 45°    | 466.4 | 491.0 | 520.9 | 557.0 |
| 47.5°  | 437.2 | 457.9 | 485.6 | 517.8 |
| 50°    | 405.7 | 428.0 | 448.7 | 475.6 |
| 52.5°  | 376.5 | 395.7 | 412.6 | 434.9 |
| 55°    | 348.1 | 361.1 | 374.9 | 391.8 |
| 57.5°  | 318.1 | 328.1 | 338.1 | 355.7 |
| 60°    | 288.1 | 297.3 | 302.7 | 314.2 |
| 62.5°  | 258.9 | 262.8 | 269.7 | 276.6 |
| 65°    | 226.7 | 232.0 | 235.9 | 244.3 |
| 67.5°  | 197.5 | 199.8 | 203.6 | 209.0 |
| 70°    | 166.7 | 172.1 | 173.6 | 177.5 |
| 72.5°  | 140.6 | 142.9 | 144.4 | 145.2 |
| 75°    | 111.4 | 113.7 | 115.2 | 119.9 |
| 77.5°  | 87.6  | 86.8  | 89.9  | 90.7  |
| 80°    | 64.5  | 62.2  | 63.0  | 66.1  |
| 82.5°  | 42.3  | 43.0  | 42.3  | 42.3  |
| 85°    | 26.1  | 25.4  | 23.8  | 24.6  |
| 87.5°  | 11.5  | 11.5  | 10.8  | 10.8  |
| 90°    | 3.6   | 2.8   | 1.9   | 1.1   |
| 92.5°  | 4.8   | 5.0   | 5.1   | 5.3   |
| 95°    | 11.4  | 14.1  | 16.7  | 19.4  |
| 97.5°  | 42.2  | 40.5  | 38.7  | 37.0  |
| 100°   | 62.0  | 60.6  | 59.2  | 57.8  |
| 102.5° | 83.9  | 83.0  | 82.0  | 81.1  |
| 105°   | 107.5 | 107.0 | 106.6 | 106.1 |
| 107.5° | 129.7 | 129.4 | 129.2 | 129.0 |
| 110°   | 152.9 | 152.7 | 152.4 | 152.2 |



TEST NUMBER: P1013090

CATALOG NUMBER: S124DIP-B575D365UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 176.2 | 175.7 | 175.3 | 174.8 |
| 115°   | 198.8 | 198.5 | 198.3 | 198.1 |
| 117.5° | 219.8 | 219.5 | 219.2 | 218.9 |
| 120°   | 240.9 | 240.6 | 240.3 | 240.0 |
| 122.5° | 260.2 | 260.0 | 259.9 | 259.7 |
| 125°   | 279.3 | 279.0 | 278.7 | 278.4 |
| 127.5° | 296.6 | 296.5 | 296.5 | 296.4 |
| 130°   | 313.9 | 313.8 | 313.8 | 313.7 |
| 132.5° | 330.0 | 329.8 | 329.7 | 329.5 |
| 135°   | 345.1 | 345.2 | 345.3 | 345.4 |
| 137.5° | 359.5 | 359.5 | 359.5 | 359.5 |
| 140°   | 373.7 | 373.5 | 373.4 | 373.2 |
| 142.5° | 386.5 | 386.2 | 385.9 | 385.6 |
| 145°   | 398.9 | 398.7 | 398.4 | 398.2 |
| 147.5° | 409.5 | 409.0 | 408.6 | 408.1 |
| 150°   | 419.9 | 419.6 | 419.3 | 419.0 |
| 152.5° | 428.9 | 428.7 | 428.4 | 428.2 |
| 155°   | 436.9 | 436.8 | 436.8 | 436.7 |
| 157.5° | 444.1 | 444.1 | 444.1 | 444.1 |
| 160°   | 449.7 | 449.9 | 450.2 | 450.4 |
| 162.5° | 455.1 | 455.4 | 455.7 | 456.0 |
| 165°   | 459.5 | 459.8 | 460.2 | 460.6 |
| 167.5° | 463.3 | 463.7 | 464.1 | 464.5 |
| 170°   | 466.3 | 466.8 | 467.2 | 467.7 |
| 172.5° | 468.4 | 468.9 | 469.3 | 469.8 |
| 175°   | 469.8 | 470.3 | 470.7 | 471.2 |
| 177.5° | 470.6 | 471.1 | 471.7 | 472.2 |
| 180°   | 471.2 | 471.2 | 471.2 | 471.2 |

(END OF REPORT)