

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: P1013178

Luminaire Tested: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1013178  
REPORT IS A COMBINATION OF REPORTS P996512 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K  
Description: Define 4 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

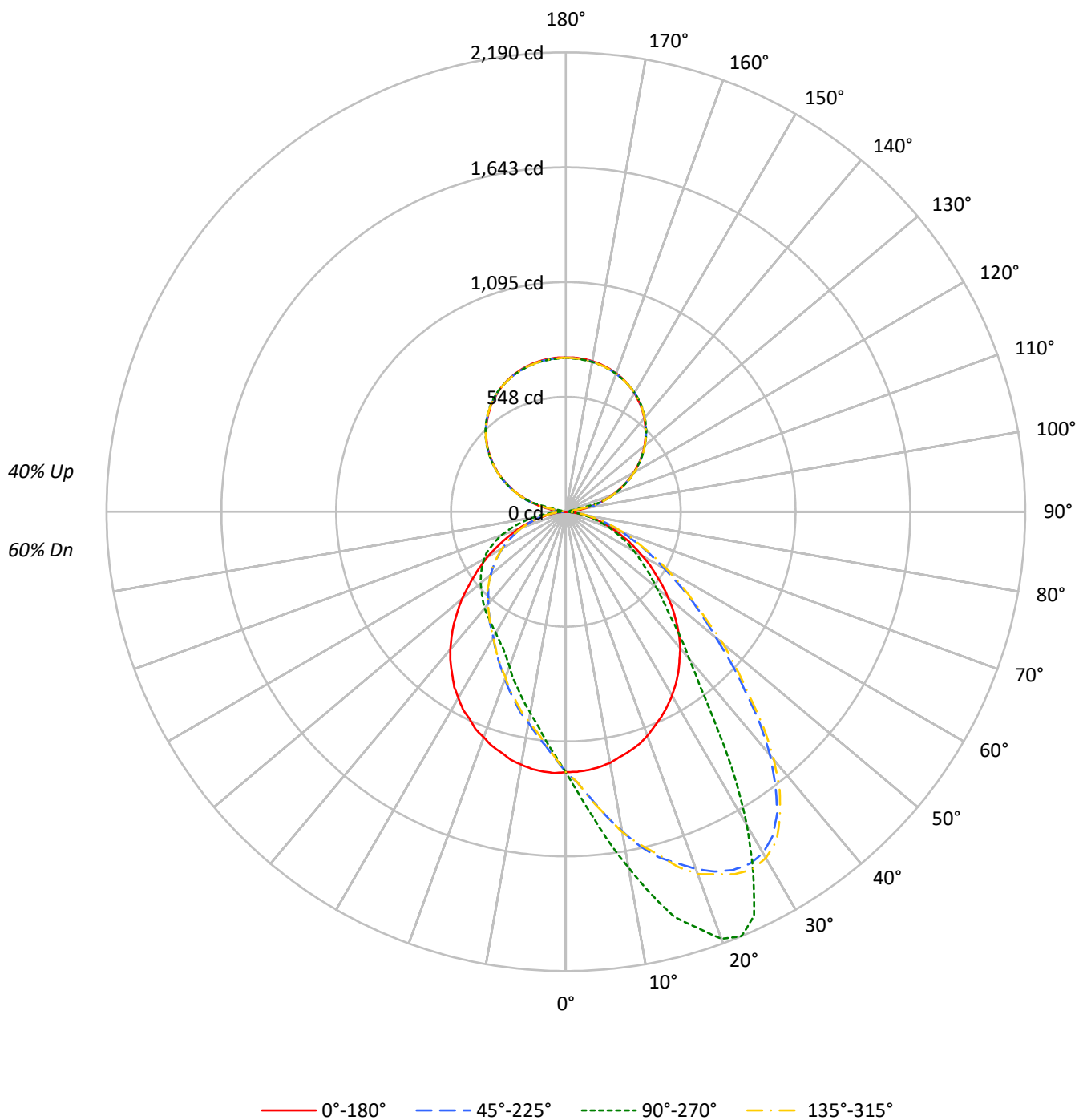
Lumens per Lamp: N/A  
Luminaire Lumens: 5699.0 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 51.3  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1013178

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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 | 0  |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 110 | 110 | 110 | 110 | 102 | 102 | 102 | 102 | 89 | 89 | 89 | 77 | 77 | 77 | 65 | 65 | 65 | 60 |    |
| 1   | 100 | 96  | 92  | 89  | 94  | 90  | 87  | 84  | 78 | 76 | 74 | 68 | 66 | 64 | 58 | 57 | 56 | 51 |    |
| 2   | 92  | 84  | 78  | 73  | 85  | 79  | 74  | 69  | 69 | 65 | 61 | 60 | 57 | 54 | 52 | 49 | 47 | 43 |    |
| 3   | 84  | 74  | 67  | 61  | 78  | 70  | 63  | 58  | 61 | 56 | 52 | 53 | 49 | 46 | 46 | 43 | 41 | 37 |    |
| 4   | 77  | 66  | 58  | 52  | 72  | 62  | 55  | 49  | 55 | 49 | 45 | 48 | 43 | 40 | 41 | 38 | 35 | 32 |    |
| 5   | 71  | 59  | 51  | 45  | 66  | 56  | 48  | 43  | 49 | 43 | 39 | 43 | 38 | 35 | 37 | 34 | 31 | 28 |    |
| 6   | 65  | 53  | 45  | 39  | 61  | 50  | 43  | 37  | 44 | 38 | 34 | 39 | 34 | 31 | 34 | 30 | 27 | 25 |    |
| 7   | 60  | 48  | 40  | 34  | 56  | 45  | 38  | 33  | 40 | 34 | 30 | 36 | 31 | 27 | 31 | 27 | 24 | 22 |    |
| 8   | 56  | 44  | 36  | 31  | 52  | 41  | 34  | 29  | 37 | 31 | 27 | 33 | 28 | 24 | 29 | 25 | 22 | 20 |    |
| 9   | 52  | 40  | 32  | 27  | 49  | 38  | 31  | 26  | 34 | 28 | 24 | 30 | 25 | 22 | 26 | 23 | 20 | 18 |    |
| 10  | 49  | 37  | 29  | 25  | 46  | 35  | 28  | 24  | 31 | 26 | 22 | 28 | 23 | 20 | 25 | 21 | 18 | 16 |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 10118 | 10118 | 10118 | 10118 |
| 5°  | 10093 | 11608 | 10152 | 8722  |
| 10° | 10017 | 13543 | 10094 | 7652  |
| 15° | 9897  | 15612 | 9966  | 6847  |
| 20° | 9769  | 16930 | 9840  | 6139  |
| 25° | 9582  | 16736 | 9674  | 5616  |
| 30° | 9399  | 13833 | 9513  | 5347  |
| 35° | 9143  | 10308 | 9243  | 5184  |
| 40° | 8842  | 7766  | 8929  | 5104  |
| 45° | 8385  | 6232  | 8490  | 4995  |
| 50° | 7840  | 5251  | 7953  | 4944  |
| 55° | 7197  | 4570  | 7310  | 4886  |
| 60° | 6573  | 4025  | 6766  | 4805  |
| 65° | 5987  | 3463  | 6043  | 4604  |
| 70° | 5299  | 2849  | 5412  | 4240  |
| 75° | 4622  | 2188  | 4591  | 3602  |
| 80° | 3636  | 1439  | 3595  | 2734  |
| 85° | 2394  | 646   | 2241  | 1595  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 13083 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 120.8  | 2.1       |
| 10°-20°   | 372.7  | 6.5       |
| 20°-30°   | 592.2  | 10.4      |
| 30°-40°   | 658.0  | 11.5      |
| 40°-50°   | 598.4  | 10.5      |
| 50°-60°   | 489.0  | 8.6       |
| 60°-70°   | 349.0  | 6.1       |
| 70°-80°   | 192.1  | 3.4       |
| 80°-90°   | 53.4   | 0.9       |
| 90°-100°  | 24.4   | 0.4       |
| 100°-110° | 160.6  | 2.8       |
| 110°-120° | 306.7  | 5.4       |
| 120°-130° | 389.4  | 6.8       |
| 130°-140° | 416.5  | 7.3       |
| 140°-150° | 389.5  | 6.8       |
| 150°-160° | 314.1  | 5.5       |
| 160°-170° | 202.6  | 3.6       |
| 170°-180° | 69.8   | 1.2       |
| 0°-30°    | 1085.7 | 19.1      |
| 0°-40°    | 1743.6 | 30.6      |
| 0°-60°    | 2831.0 | 49.7      |
| 0°-90°    | 3425.5 | 60.1      |
| 90°-120°  | 491.7  | 8.6       |
| 90°-150°  | 1687.0 | 29.6      |
| 90°-180°  | 2273.0 | 39.9      |
| 0°-180°   | 5699.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1241 | 1241 | 1241 | 1241 | 1241 |      |
| 5°   | 1236 | 1456 | 1243 | 1094 | 1236 | 117  |
| 15°  | 1180 | 2000 | 1188 | 877  | 1180 | 333  |
| 25°  | 1077 | 2123 | 1088 | 712  | 1077 | 496  |
| 35°  | 934  | 1255 | 945  | 631  | 934  | 584  |
| 45°  | 745  | 704  | 755  | 564  | 745  | 575  |
| 55°  | 524  | 461  | 532  | 492  | 524  | 472  |
| 65°  | 327  | 296  | 330  | 394  | 327  | 323  |
| 75°  | 160  | 148  | 159  | 244  | 160  | 168  |
| 85°  | 33   | 31   | 31   | 76   | 33   | 38   |
| 90°  | 2    | 16   | 2    | 16   | 2    | 4    |
| 95°  | 30   | 16   | 30   | 16   | 30   | 37   |
| 105° | 165  | 157  | 165  | 157  | 165  | 173  |
| 115° | 309  | 311  | 309  | 311  | 309  | 304  |
| 125° | 434  | 437  | 434  | 437  | 434  | 388  |
| 135° | 538  | 542  | 538  | 542  | 538  | 415  |
| 145° | 621  | 624  | 621  | 624  | 621  | 388  |
| 155° | 681  | 680  | 681  | 680  | 681  | 314  |
| 165° | 718  | 715  | 718  | 715  | 718  | 203  |
| 175° | 735  | 730  | 735  | 730  | 735  | 70   |
| 180° | 735  | 735  | 735  | 735  | 735  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 |
| 2.5°   | 1240.8 | 1253.2 | 1258.3 | 1262.4 | 1275.8 | 1279.9 | 1280.9 | 1287.1 | 1292.2 | 1293.3 | 1293.3 |
| 5°     | 1235.7 | 1255.2 | 1270.6 | 1285.0 | 1306.6 | 1315.9 | 1327.2 | 1339.5 | 1356.0 | 1366.3 | 1371.4 |
| 7.5°   | 1227.5 | 1256.3 | 1279.9 | 1304.6 | 1334.4 | 1352.9 | 1363.2 | 1396.1 | 1418.7 | 1437.2 | 1459.8 |
| 10°    | 1215.1 | 1252.1 | 1286.1 | 1322.1 | 1364.2 | 1386.8 | 1409.4 | 1449.5 | 1481.4 | 1517.4 | 1546.2 |
| 12.5°  | 1196.6 | 1244.9 | 1286.1 | 1336.4 | 1388.9 | 1415.6 | 1442.3 | 1512.2 | 1549.2 | 1581.1 | 1632.5 |
| 15°    | 1180.2 | 1228.5 | 1287.1 | 1338.5 | 1403.3 | 1443.4 | 1482.4 | 1527.7 | 1586.3 | 1655.1 | 1704.5 |
| 17.5°  | 1161.7 | 1222.3 | 1276.8 | 1348.8 | 1420.7 | 1458.8 | 1490.6 | 1560.6 | 1642.8 | 1710.6 | 1755.9 |
| 20°    | 1136.0 | 1197.7 | 1269.6 | 1345.7 | 1431.0 | 1460.8 | 1503.0 | 1596.5 | 1670.6 | 1737.4 | 1811.4 |
| 22.5°  | 1106.2 | 1178.1 | 1254.2 | 1327.2 | 1415.6 | 1478.3 | 1524.6 | 1606.8 | 1696.3 | 1773.4 | 1856.6 |
| 25°    | 1077.4 | 1155.5 | 1222.3 | 1322.1 | 1415.6 | 1457.8 | 1510.2 | 1607.8 | 1705.5 | 1799.1 | 1884.4 |
| 27.5°  | 1046.5 | 1119.5 | 1210.0 | 1289.2 | 1395.0 | 1441.3 | 1497.8 | 1604.8 | 1708.6 | 1802.1 | 1893.6 |
| 30°    | 1012.6 | 1090.7 | 1165.8 | 1259.3 | 1362.1 | 1421.8 | 1474.2 | 1590.4 | 1696.3 | 1793.9 | 1879.2 |
| 32.5°  | 974.6  | 1048.6 | 1128.8 | 1217.2 | 1325.1 | 1385.8 | 1451.6 | 1570.8 | 1683.9 | 1768.2 | 1834.0 |
| 35°    | 934.5  | 1009.5 | 1079.4 | 1169.9 | 1280.9 | 1341.6 | 1405.3 | 1536.9 | 1649.0 | 1717.8 | 1755.9 |
| 37.5°  | 890.3  | 961.2  | 1030.1 | 1119.5 | 1230.6 | 1295.3 | 1360.1 | 1487.6 | 1593.5 | 1651.0 | 1640.7 |
| 40°    | 848.1  | 911.9  | 975.6  | 1059.9 | 1176.1 | 1244.9 | 1301.5 | 1430.0 | 1522.5 | 1547.2 | 1513.3 |
| 42.5°  | 799.8  | 854.3  | 916.0  | 1002.3 | 1115.4 | 1180.2 | 1251.1 | 1368.3 | 1437.2 | 1426.9 | 1369.3 |
| 45°    | 745.3  | 793.6  | 855.3  | 936.5  | 1051.7 | 1118.5 | 1178.1 | 1289.2 | 1339.5 | 1313.8 | 1209.0 |
| 47.5°  | 692.9  | 740.2  | 790.6  | 871.8  | 983.8  | 1040.4 | 1101.0 | 1200.7 | 1229.5 | 1175.0 | 1070.2 |
| 50°    | 636.4  | 675.4  | 727.8  | 805.0  | 909.8  | 969.4  | 1019.8 | 1100.0 | 1110.3 | 1043.5 | 934.5  |
| 52.5°  | 581.9  | 614.8  | 665.1  | 741.2  | 838.9  | 886.2  | 935.5  | 1006.4 | 998.2  | 929.3  | 824.5  |
| 55°    | 524.3  | 555.1  | 601.4  | 671.3  | 757.7  | 802.9  | 845.0  | 907.8  | 890.3  | 819.3  | 727.8  |
| 57.5°  | 476.0  | 497.6  | 542.8  | 607.6  | 678.5  | 727.8  | 763.8  | 813.2  | 786.4  | 715.5  | 630.2  |
| 60°    | 420.5  | 447.2  | 485.2  | 537.7  | 607.6  | 640.5  | 672.3  | 705.2  | 686.7  | 618.9  | 542.8  |
| 62.5°  | 370.1  | 390.7  | 423.5  | 473.9  | 528.4  | 558.2  | 592.1  | 612.7  | 594.2  | 531.5  | 467.8  |
| 65°    | 326.9  | 343.4  | 369.1  | 410.2  | 462.6  | 487.3  | 506.8  | 526.4  | 510.9  | 452.3  | 406.1  |
| 67.5°  | 279.6  | 294.0  | 315.6  | 348.5  | 392.7  | 410.2  | 428.7  | 442.1  | 424.6  | 385.5  | 340.3  |
| 70°    | 237.5  | 247.8  | 268.3  | 293.0  | 323.8  | 340.3  | 355.7  | 369.1  | 353.6  | 320.7  | 286.8  |
| 72.5°  | 194.3  | 202.5  | 221.0  | 238.5  | 266.3  | 277.6  | 288.9  | 299.2  | 294.0  | 263.2  | 235.4  |
| 75°    | 160.4  | 163.5  | 175.8  | 190.2  | 207.7  | 220.0  | 228.2  | 234.4  | 230.3  | 205.6  | 188.1  |
| 77.5°  | 121.3  | 125.4  | 134.7  | 146.0  | 161.4  | 168.6  | 173.7  | 179.9  | 174.8  | 155.2  | 142.9  |
| 80°    | 88.4   | 89.4   | 94.6   | 104.9  | 115.1  | 116.2  | 121.3  | 129.5  | 126.4  | 113.1  | 103.8  |
| 82.5°  | 56.5   | 59.6   | 61.7   | 67.9   | 75.0   | 77.1   | 80.2   | 82.2   | 81.2   | 73.0   | 69.9   |
| 85°    | 32.9   | 32.9   | 35.0   | 39.1   | 41.1   | 44.2   | 45.2   | 46.3   | 48.3   | 43.2   | 40.1   |
| 87.5°  | 14.4   | 15.4   | 15.4   | 16.4   | 18.5   | 18.5   | 19.5   | 20.6   | 21.6   | 20.6   | 17.5   |
| 90°    | 1.6    | 3.0    | 4.3    | 5.7    | 7.0    | 7.7    | 8.2    | 9.2    | 10.1   | 11.1   | 12.1   |
| 92.5°  | 8.2    | 8.0    | 7.7    | 7.5    | 7.2    | 7.1    | 7.6    | 8.6    | 9.5    | 10.5   | 11.5   |
| 95°    | 30.2   | 26.0   | 21.9   | 17.7   | 13.6   | 11.5   | 11.6   | 11.7   | 11.8   | 12.0   | 12.1   |
| 97.5°  | 57.7   | 60.4   | 63.1   | 65.8   | 68.5   | 69.8   | 63.4   | 50.6   | 37.7   | 24.9   | 12.1   |
| 100°   | 90.1   | 92.3   | 94.5   | 96.7   | 98.9   | 100.0  | 91.6   | 74.7   | 57.9   | 41.0   | 24.2   |
| 102.5° | 126.4  | 127.9  | 129.3  | 130.8  | 132.3  | 133.0  | 133.7  | 135.2  | 136.7  | 138.1  | 139.6  |
| 105°   | 165.4  | 166.1  | 166.9  | 167.6  | 168.3  | 168.7  | 169.0  | 169.6  | 170.3  | 170.9  | 171.5  |
| 107.5° | 201.1  | 201.5  | 201.9  | 202.2  | 202.6  | 202.8  | 203.2  | 204.1  | 204.9  | 205.8  | 206.6  |
| 110°   | 237.4  | 237.8  | 238.1  | 238.5  | 238.8  | 239.0  | 239.4  | 240.1  | 240.8  | 241.6  | 242.3  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 272.6 | 273.3 | 274.1 | 274.8 | 275.5 | 275.9 | 276.0 | 276.3 | 276.5 | 276.8 | 277.0 |
| 115°   | 308.8 | 309.2 | 309.6 | 309.9 | 310.3 | 310.5 | 310.4 | 310.3 | 310.2 | 310.0 | 309.9 |
| 117.5° | 341.3 | 341.8 | 342.3 | 342.8 | 343.3 | 343.5 | 343.7 | 344.0 | 344.4 | 344.7 | 345.1 |
| 120°   | 374.2 | 374.7 | 375.2 | 375.7 | 376.2 | 376.4 | 376.3 | 376.2 | 376.1 | 376.0 | 375.9 |
| 122.5° | 405.0 | 405.2 | 405.5 | 405.7 | 406.0 | 406.1 | 406.2 | 406.5 | 406.7 | 407.0 | 407.2 |
| 125°   | 434.1 | 434.6 | 435.1 | 435.6 | 436.1 | 436.3 | 436.2 | 435.9 | 435.7 | 435.4 | 435.2 |
| 127.5° | 462.2 | 462.3 | 462.4 | 462.5 | 462.6 | 462.7 | 463.0 | 463.6 | 464.3 | 464.9 | 465.5 |
| 130°   | 489.1 | 489.2 | 489.3 | 489.4 | 489.5 | 489.6 | 489.8 | 490.2 | 490.5 | 490.9 | 491.3 |
| 132.5° | 513.8 | 514.0 | 514.3 | 514.5 | 514.8 | 514.9 | 515.1 | 515.6 | 516.1 | 516.6 | 517.1 |
| 135°   | 538.5 | 538.4 | 538.3 | 538.2 | 538.1 | 538.0 | 538.2 | 538.7 | 539.2 | 539.7 | 540.2 |
| 137.5° | 560.5 | 560.5 | 560.5 | 560.5 | 560.5 | 560.5 | 560.8 | 561.4 | 562.1 | 562.7 | 563.3 |
| 140°   | 582.0 | 582.2 | 582.5 | 582.7 | 583.0 | 583.1 | 583.2 | 583.4 | 583.7 | 583.9 | 584.1 |
| 142.5° | 601.2 | 601.7 | 602.2 | 602.7 | 603.2 | 603.4 | 603.5 | 603.6 | 603.7 | 603.8 | 603.9 |
| 145°   | 621.0 | 621.4 | 621.7 | 622.1 | 622.4 | 622.6 | 622.6 | 622.6 | 622.6 | 622.6 | 622.6 |
| 147.5° | 636.4 | 637.1 | 637.9 | 638.6 | 639.3 | 639.7 | 639.6 | 639.5 | 639.4 | 639.2 | 639.1 |
| 150°   | 653.4 | 653.9 | 654.4 | 654.9 | 655.4 | 655.6 | 655.5 | 655.4 | 655.3 | 655.1 | 655.0 |
| 152.5° | 667.7 | 668.1 | 668.4 | 668.8 | 669.1 | 669.3 | 669.2 | 668.9 | 668.7 | 668.4 | 668.2 |
| 155°   | 680.9 | 681.0 | 681.1 | 681.2 | 681.3 | 681.4 | 681.2 | 680.9 | 680.5 | 680.2 | 679.8 |
| 157.5° | 692.4 | 692.4 | 692.4 | 692.4 | 692.4 | 692.4 | 692.2 | 691.7 | 691.2 | 690.7 | 690.2 |
| 160°   | 702.3 | 701.9 | 701.5 | 701.2 | 700.8 | 700.6 | 700.5 | 700.4 | 700.3 | 700.2 | 700.1 |
| 162.5° | 711.1 | 710.6 | 710.1 | 709.6 | 709.1 | 708.9 | 708.8 | 708.7 | 708.6 | 708.4 | 708.3 |
| 165°   | 718.2 | 717.6 | 717.0 | 716.4 | 715.8 | 715.5 | 715.5 | 715.5 | 715.5 | 715.5 | 715.5 |
| 167.5° | 724.3 | 723.7 | 723.1 | 722.4 | 721.8 | 721.5 | 721.4 | 721.3 | 721.2 | 721.1 | 721.0 |
| 170°   | 729.2 | 728.5 | 727.7 | 727.0 | 726.3 | 725.9 | 726.0 | 726.1 | 726.2 | 726.4 | 726.5 |
| 172.5° | 732.5 | 731.8 | 731.0 | 730.3 | 729.6 | 729.2 | 729.3 | 729.4 | 729.5 | 729.7 | 729.8 |
| 175°   | 734.7 | 734.0 | 733.2 | 732.5 | 731.8 | 731.4 | 731.5 | 731.6 | 731.7 | 731.9 | 732.0 |
| 177.5° | 736.4 | 735.5 | 734.7 | 733.8 | 732.9 | 732.5 | 732.6 | 732.9 | 733.1 | 733.4 | 733.6 |
| 180°   | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 |
| 2.5°   | 1296.4 | 1314.9 | 1323.1 | 1325.1 | 1336.4 | 1329.2 | 1332.3 | 1331.3 | 1339.5 | 1340.6 | 1340.6 |
| 5°     | 1390.9 | 1412.5 | 1419.7 | 1430.0 | 1445.4 | 1449.5 | 1446.4 | 1452.6 | 1463.9 | 1455.7 | 1468.0 |
| 7.5°   | 1490.6 | 1514.3 | 1530.7 | 1553.4 | 1558.5 | 1571.9 | 1580.1 | 1587.3 | 1589.3 | 1590.4 | 1592.4 |
| 10°    | 1583.2 | 1613.0 | 1635.6 | 1673.6 | 1681.9 | 1689.1 | 1725.0 | 1710.6 | 1729.2 | 1723.0 | 1725.0 |
| 12.5°  | 1658.2 | 1716.8 | 1735.3 | 1799.1 | 1805.2 | 1829.9 | 1827.8 | 1850.5 | 1854.6 | 1862.8 | 1854.6 |
| 15°    | 1756.9 | 1824.8 | 1854.6 | 1890.6 | 1911.1 | 1939.9 | 1945.0 | 1975.9 | 1988.2 | 1999.5 | 1988.2 |
| 17.5°  | 1847.4 | 1883.4 | 1959.4 | 1988.2 | 2001.6 | 2017.0 | 2056.1 | 2067.4 | 2085.9 | 2078.7 | 2099.2 |
| 20°    | 1892.6 | 1944.0 | 2024.2 | 2073.5 | 2094.1 | 2108.5 | 2141.4 | 2158.9 | 2166.1 | 2166.1 | 2168.1 |
| 22.5°  | 1932.7 | 2006.7 | 2066.3 | 2122.9 | 2141.4 | 2151.7 | 2171.2 | 2184.6 | 2187.7 | 2189.7 | 2191.8 |
| 25°    | 1968.7 | 2035.5 | 2083.8 | 2115.7 | 2122.9 | 2122.9 | 2134.2 | 2126.0 | 2112.6 | 2122.9 | 2129.1 |
| 27.5°  | 1968.7 | 2016.0 | 2037.6 | 2048.9 | 2048.9 | 2021.1 | 2004.7 | 1970.7 | 1942.0 | 1933.7 | 1952.2 |
| 30°    | 1935.8 | 1957.4 | 1927.6 | 1899.8 | 1878.2 | 1859.7 | 1794.9 | 1743.5 | 1733.3 | 1726.1 | 1753.8 |
| 32.5°  | 1859.7 | 1832.0 | 1773.4 | 1693.2 | 1661.3 | 1619.2 | 1568.8 | 1529.7 | 1506.1 | 1497.8 | 1491.7 |
| 35°    | 1725.0 | 1653.1 | 1577.0 | 1469.1 | 1446.4 | 1393.0 | 1324.1 | 1295.3 | 1256.3 | 1255.2 | 1268.6 |
| 37.5°  | 1578.0 | 1467.0 | 1384.8 | 1282.0 | 1250.1 | 1193.5 | 1128.8 | 1099.0 | 1072.2 | 1051.7 | 1076.4 |
| 40°    | 1406.4 | 1309.7 | 1184.3 | 1100.0 | 1054.8 | 1024.9 | 970.5  | 937.6  | 925.2  | 915.0  | 930.4  |
| 42.5°  | 1246.0 | 1140.1 | 1042.4 | 956.1  | 919.1  | 885.1  | 849.2  | 817.3  | 808.0  | 807.0  | 818.3  |
| 45°    | 1086.6 | 982.8  | 892.3  | 818.3  | 794.7  | 774.1  | 739.2  | 729.9  | 714.5  | 704.2  | 709.3  |
| 47.5°  | 959.2  | 852.2  | 777.2  | 720.7  | 700.1  | 682.6  | 660.0  | 644.6  | 631.2  | 627.1  | 633.3  |
| 50°    | 833.7  | 761.8  | 684.7  | 637.4  | 622.0  | 605.5  | 588.0  | 573.6  | 567.5  | 563.4  | 567.5  |
| 52.5°  | 733.0  | 655.9  | 603.5  | 565.4  | 550.0  | 537.7  | 525.3  | 519.2  | 510.9  | 513.0  | 517.1  |
| 55°    | 642.5  | 574.7  | 530.5  | 502.7  | 493.5  | 488.3  | 472.9  | 465.7  | 462.6  | 460.6  | 462.6  |
| 57.5°  | 557.2  | 507.8  | 475.0  | 451.3  | 439.0  | 435.9  | 423.5  | 423.5  | 420.5  | 417.4  | 418.4  |
| 60°    | 489.3  | 447.2  | 415.3  | 396.8  | 394.8  | 389.6  | 381.4  | 380.4  | 373.2  | 376.3  | 377.3  |
| 62.5°  | 420.5  | 386.5  | 365.0  | 353.6  | 346.4  | 344.4  | 339.3  | 338.2  | 335.1  | 336.2  | 334.1  |
| 65°    | 366.0  | 338.2  | 316.6  | 307.4  | 304.3  | 303.3  | 299.2  | 296.1  | 294.0  | 296.1  | 294.0  |
| 67.5°  | 311.5  | 293.0  | 276.5  | 267.3  | 263.2  | 262.1  | 259.1  | 257.0  | 258.0  | 255.0  | 257.0  |
| 70°    | 260.1  | 241.6  | 231.3  | 226.2  | 224.1  | 221.0  | 221.0  | 221.0  | 221.0  | 219.0  | 217.9  |
| 72.5°  | 219.0  | 200.5  | 193.3  | 190.2  | 188.1  | 187.1  | 184.0  | 185.0  | 184.0  | 183.0  | 187.1  |
| 75°    | 173.7  | 162.4  | 155.2  | 152.1  | 154.2  | 151.1  | 148.0  | 150.1  | 147.0  | 148.0  | 152.1  |
| 77.5°  | 131.6  | 126.4  | 122.3  | 120.3  | 118.2  | 116.2  | 116.2  | 114.1  | 114.1  | 114.1  | 114.1  |
| 80°    | 95.6   | 94.6   | 87.4   | 86.4   | 86.4   | 84.3   | 84.3   | 84.3   | 84.3   | 83.3   | 84.3   |
| 82.5°  | 63.7   | 62.7   | 60.7   | 59.6   | 57.6   | 58.6   | 58.6   | 56.5   | 56.5   | 55.5   | 56.5   |
| 85°    | 37.0   | 37.0   | 35.0   | 33.9   | 32.9   | 33.9   | 31.9   | 30.8   | 31.9   | 30.8   | 31.9   |
| 87.5°  | 17.5   | 15.4   | 16.4   | 15.4   | 13.4   | 14.4   | 12.3   | 13.4   | 12.3   | 11.3   | 13.4   |
| 90°    | 12.8   | 13.6   | 14.3   | 15.0   | 15.4   | 15.5   | 15.8   | 16.0   | 16.3   | 16.5   | 16.3   |
| 92.5°  | 12.2   | 13.0   | 13.7   | 14.4   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   |
| 95°    | 12.8   | 13.6   | 14.3   | 15.0   | 15.4   | 15.5   | 15.6   | 15.7   | 15.8   | 15.9   | 15.8   |
| 97.5°  | 12.7   | 13.3   | 13.9   | 14.5   | 14.8   | 14.9   | 15.0   | 15.1   | 15.3   | 15.4   | 15.3   |
| 100°   | 22.1   | 20.0   | 17.9   | 15.8   | 14.8   | 14.9   | 15.0   | 15.1   | 15.3   | 15.4   | 15.3   |
| 102.5° | 112.1  | 84.6   | 57.1   | 29.6   | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   |
| 105°   | 172.6  | 173.7  | 174.8  | 175.9  | 176.4  | 174.2  | 169.8  | 165.4  | 161.0  | 156.6  | 161.0  |
| 107.5° | 207.2  | 207.8  | 208.5  | 209.1  | 209.4  | 209.6  | 210.1  | 210.6  | 211.1  | 211.6  | 211.1  |
| 110°   | 242.5  | 242.8  | 243.0  | 243.3  | 243.4  | 243.6  | 244.0  | 244.3  | 244.7  | 245.1  | 244.7  |



TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 276.9 | 276.7 | 276.6 | 276.5 | 276.4 | 276.6 | 277.1 | 277.6 | 278.1 | 278.6 | 278.1 |
| 115°   | 310.1 | 310.4 | 310.6 | 310.9 | 311.0 | 311.0 | 311.0 | 311.0 | 311.0 | 311.0 | 311.0 |
| 117.5° | 345.0 | 344.9 | 344.8 | 344.7 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 |
| 120°   | 376.1 | 376.4 | 376.6 | 376.9 | 377.0 | 376.9 | 376.6 | 376.4 | 376.1 | 375.9 | 376.1 |
| 122.5° | 407.3 | 407.5 | 407.6 | 407.7 | 407.8 | 407.7 | 407.4 | 407.2 | 406.9 | 406.7 | 406.9 |
| 125°   | 435.6 | 436.0 | 436.3 | 436.7 | 436.9 | 437.0 | 437.1 | 437.2 | 437.3 | 437.4 | 437.3 |
| 127.5° | 465.4 | 465.2 | 465.1 | 465.0 | 464.9 | 464.8 | 464.7 | 464.6 | 464.5 | 464.4 | 464.5 |
| 130°   | 491.4 | 491.5 | 491.6 | 491.7 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 |
| 132.5° | 517.2 | 517.4 | 517.5 | 517.6 | 517.7 | 517.6 | 517.5 | 517.4 | 517.2 | 517.1 | 517.2 |
| 135°   | 540.4 | 540.7 | 540.9 | 541.2 | 541.3 | 541.4 | 541.7 | 541.9 | 542.2 | 542.4 | 542.2 |
| 137.5° | 563.5 | 563.8 | 564.0 | 564.3 | 564.4 | 564.3 | 564.2 | 564.1 | 563.9 | 563.8 | 563.9 |
| 140°   | 584.5 | 584.9 | 585.2 | 585.6 | 585.8 | 585.9 | 586.0 | 586.1 | 586.2 | 586.3 | 586.2 |
| 142.5° | 604.1 | 604.4 | 604.6 | 604.9 | 605.0 | 605.0 | 605.0 | 605.0 | 605.0 | 605.0 | 605.0 |
| 145°   | 622.7 | 622.9 | 623.0 | 623.1 | 623.2 | 623.3 | 623.6 | 623.8 | 624.1 | 624.3 | 624.1 |
| 147.5° | 639.2 | 639.4 | 639.5 | 639.6 | 639.7 | 639.8 | 639.9 | 640.0 | 640.1 | 640.2 | 640.1 |
| 150°   | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.1 | 655.2 | 655.3 | 655.5 | 655.6 | 655.5 |
| 152.5° | 668.4 | 668.7 | 668.9 | 669.2 | 669.3 | 669.2 | 669.1 | 669.0 | 668.9 | 668.8 | 668.9 |
| 155°   | 680.3 | 680.8 | 681.3 | 681.8 | 682.0 | 681.8 | 681.4 | 681.1 | 680.7 | 680.3 | 680.7 |
| 157.5° | 690.8 | 691.4 | 692.1 | 692.7 | 693.0 | 692.7 | 692.1 | 691.4 | 690.8 | 690.2 | 690.8 |
| 160°   | 700.8 | 701.6 | 702.3 | 703.0 | 703.4 | 703.0 | 702.3 | 701.6 | 700.8 | 700.1 | 700.8 |
| 162.5° | 709.0 | 709.8 | 710.5 | 711.2 | 711.6 | 711.2 | 710.3 | 709.5 | 708.6 | 707.8 | 708.6 |
| 165°   | 716.5 | 717.5 | 718.4 | 719.4 | 719.9 | 719.3 | 718.2 | 717.1 | 716.0 | 714.9 | 716.0 |
| 167.5° | 722.1 | 723.2 | 724.3 | 725.4 | 725.9 | 725.3 | 724.1 | 722.8 | 721.6 | 720.4 | 721.6 |
| 170°   | 727.5 | 728.5 | 729.4 | 730.4 | 730.9 | 730.3 | 729.1 | 727.8 | 726.6 | 725.4 | 726.6 |
| 172.5° | 730.8 | 731.8 | 732.7 | 733.7 | 734.2 | 733.5 | 732.2 | 730.8 | 729.5 | 728.1 | 729.5 |
| 175°   | 733.1 | 734.2 | 735.3 | 736.4 | 736.9 | 736.2 | 734.7 | 733.2 | 731.8 | 730.3 | 731.8 |
| 177.5° | 734.6 | 735.6 | 736.5 | 737.5 | 738.0 | 737.3 | 735.8 | 734.3 | 732.9 | 731.4 | 732.9 |
| 180°   | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 |

TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 |
| 2.5°   | 1338.5 | 1335.4 | 1331.3 | 1331.3 | 1326.2 | 1326.2 | 1317.9 | 1303.5 | 1291.2 | 1287.1 | 1289.2 |
| 5°     | 1452.6 | 1453.6 | 1447.5 | 1442.3 | 1433.1 | 1425.9 | 1412.5 | 1386.8 | 1378.6 | 1362.1 | 1350.8 |
| 7.5°   | 1583.2 | 1579.1 | 1567.8 | 1559.5 | 1557.5 | 1541.0 | 1512.2 | 1481.4 | 1456.7 | 1440.3 | 1416.6 |
| 10°    | 1730.2 | 1713.7 | 1697.3 | 1692.1 | 1679.8 | 1652.1 | 1619.2 | 1585.2 | 1551.3 | 1515.3 | 1475.2 |
| 12.5°  | 1853.5 | 1821.7 | 1820.6 | 1808.3 | 1784.7 | 1769.2 | 1730.2 | 1681.9 | 1623.3 | 1583.2 | 1537.9 |
| 15°    | 1986.2 | 1956.3 | 1931.7 | 1909.1 | 1897.8 | 1852.5 | 1819.6 | 1759.0 | 1689.1 | 1645.9 | 1615.0 |
| 17.5°  | 2080.7 | 2067.4 | 2025.2 | 2014.9 | 1999.5 | 1947.1 | 1894.7 | 1835.0 | 1774.4 | 1713.7 | 1630.5 |
| 20°    | 2156.8 | 2148.6 | 2120.8 | 2106.4 | 2081.8 | 2040.6 | 1976.9 | 1908.0 | 1838.1 | 1751.8 | 1673.6 |
| 22.5°  | 2189.7 | 2179.4 | 2156.8 | 2144.5 | 2129.1 | 2094.1 | 2039.6 | 1961.5 | 1870.0 | 1792.9 | 1709.6 |
| 25°    | 2124.9 | 2143.5 | 2137.3 | 2132.1 | 2126.0 | 2105.4 | 2064.3 | 1995.4 | 1906.0 | 1818.6 | 1714.8 |
| 27.5°  | 1979.0 | 2010.8 | 2041.7 | 2045.8 | 2056.1 | 2064.3 | 2047.8 | 1998.5 | 1923.5 | 1830.9 | 1716.8 |
| 30°    | 1782.6 | 1797.0 | 1859.7 | 1878.2 | 1892.6 | 1945.0 | 1975.9 | 1963.5 | 1906.0 | 1822.7 | 1717.8 |
| 32.5°  | 1530.7 | 1568.8 | 1632.5 | 1676.7 | 1715.8 | 1774.4 | 1854.6 | 1886.4 | 1865.9 | 1798.0 | 1694.2 |
| 35°    | 1292.2 | 1337.5 | 1411.5 | 1468.0 | 1507.1 | 1590.4 | 1684.9 | 1753.8 | 1779.5 | 1745.6 | 1653.1 |
| 37.5°  | 1096.9 | 1151.4 | 1217.2 | 1238.8 | 1284.0 | 1386.8 | 1517.4 | 1613.0 | 1675.7 | 1678.8 | 1606.8 |
| 40°    | 949.9  | 977.7  | 1030.1 | 1063.0 | 1107.2 | 1193.5 | 1321.0 | 1447.5 | 1542.1 | 1573.9 | 1535.9 |
| 42.5°  | 825.5  | 847.1  | 886.2  | 926.3  | 966.4  | 1032.1 | 1149.3 | 1267.6 | 1395.0 | 1458.8 | 1457.8 |
| 45°    | 726.8  | 749.4  | 776.2  | 809.1  | 836.8  | 907.8  | 1000.3 | 1121.6 | 1231.6 | 1330.3 | 1354.9 |
| 47.5°  | 640.5  | 660.0  | 692.9  | 707.3  | 725.8  | 792.6  | 872.8  | 985.9  | 1100.0 | 1213.1 | 1241.9 |
| 50°    | 576.7  | 593.2  | 615.8  | 625.0  | 645.6  | 695.0  | 760.7  | 852.2  | 978.7  | 1082.5 | 1136.0 |
| 52.5°  | 519.2  | 531.5  | 549.0  | 556.2  | 570.6  | 607.6  | 667.2  | 739.2  | 844.0  | 950.9  | 1026.0 |
| 55°    | 469.8  | 478.0  | 490.4  | 498.6  | 508.9  | 541.8  | 586.0  | 650.7  | 741.2  | 833.7  | 906.7  |
| 57.5°  | 423.5  | 429.7  | 442.1  | 446.2  | 454.4  | 480.1  | 510.9  | 565.4  | 648.7  | 730.9  | 801.9  |
| 60°    | 380.4  | 384.5  | 391.7  | 400.9  | 407.1  | 424.6  | 453.4  | 498.6  | 565.4  | 640.5  | 698.0  |
| 62.5°  | 339.3  | 345.4  | 347.5  | 351.6  | 356.7  | 373.2  | 395.8  | 428.7  | 487.3  | 549.0  | 609.6  |
| 65°    | 297.1  | 302.2  | 306.4  | 307.4  | 312.5  | 324.9  | 345.4  | 374.2  | 412.2  | 465.7  | 522.2  |
| 67.5°  | 258.0  | 261.1  | 263.2  | 267.3  | 272.4  | 278.6  | 295.0  | 316.6  | 351.6  | 394.8  | 440.0  |
| 70°    | 222.1  | 222.1  | 225.1  | 226.2  | 232.3  | 239.5  | 246.7  | 267.3  | 298.1  | 333.1  | 363.9  |
| 72.5°  | 183.0  | 188.1  | 187.1  | 192.2  | 191.2  | 196.4  | 205.6  | 219.0  | 241.6  | 269.3  | 299.2  |
| 75°    | 149.1  | 152.1  | 152.1  | 152.1  | 154.2  | 158.3  | 163.5  | 175.8  | 193.3  | 215.9  | 233.4  |
| 77.5°  | 116.2  | 118.2  | 118.2  | 118.2  | 119.3  | 123.4  | 128.5  | 136.7  | 149.1  | 162.4  | 172.7  |
| 80°    | 83.3   | 85.3   | 85.3   | 87.4   | 87.4   | 88.4   | 93.6   | 97.7   | 103.8  | 114.1  | 124.4  |
| 82.5°  | 56.5   | 57.6   | 59.6   | 59.6   | 58.6   | 60.7   | 61.7   | 65.8   | 72.0   | 74.0   | 81.2   |
| 85°    | 30.8   | 31.9   | 32.9   | 32.9   | 33.9   | 36.0   | 35.0   | 39.1   | 39.1   | 43.2   | 45.2   |
| 87.5°  | 12.3   | 14.4   | 14.4   | 13.4   | 14.4   | 14.4   | 14.4   | 16.4   | 17.5   | 18.5   | 17.5   |
| 90°    | 16.0   | 15.8   | 15.5   | 15.4   | 15.0   | 14.3   | 13.6   | 12.8   | 12.1   | 11.1   | 10.1   |
| 92.5°  | 14.8   | 14.8   | 14.8   | 14.8   | 14.4   | 13.7   | 13.0   | 12.2   | 11.5   | 10.5   | 9.5    |
| 95°    | 15.7   | 15.6   | 15.5   | 15.4   | 15.0   | 14.3   | 13.6   | 12.8   | 12.1   | 12.0   | 11.8   |
| 97.5°  | 15.1   | 15.0   | 14.9   | 14.8   | 14.5   | 13.9   | 13.3   | 12.7   | 12.1   | 24.9   | 37.7   |
| 100°   | 15.1   | 15.0   | 14.9   | 14.8   | 15.8   | 17.9   | 20.0   | 22.1   | 24.2   | 41.0   | 57.9   |
| 102.5° | 15.9   | 15.9   | 15.9   | 15.9   | 29.6   | 57.1   | 84.6   | 112.1  | 139.6  | 138.1  | 136.7  |
| 105°   | 165.4  | 169.8  | 174.2  | 176.4  | 175.9  | 174.8  | 173.7  | 172.6  | 171.5  | 170.9  | 170.3  |
| 107.5° | 210.6  | 210.1  | 209.6  | 209.4  | 209.1  | 208.5  | 207.8  | 207.2  | 206.6  | 205.8  | 204.9  |
| 110°   | 244.3  | 244.0  | 243.6  | 243.4  | 243.3  | 243.0  | 242.8  | 242.5  | 242.3  | 241.6  | 240.8  |

TEST NUMBER: P1013178

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**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 277.6 | 277.1 | 276.6 | 276.4  | 276.5 | 276.6 | 276.7 | 276.9 | 277.0 | 276.8 | 276.5 |
| 115°   | 311.0 | 311.0 | 311.0 | 311.0  | 310.9 | 310.6 | 310.4 | 310.1 | 309.9 | 310.0 | 310.2 |
| 117.5° | 344.6 | 344.6 | 344.6 | 344.6  | 344.7 | 344.8 | 344.9 | 345.0 | 345.1 | 344.7 | 344.4 |
| 120°   | 376.4 | 376.6 | 376.9 | 377.0  | 376.9 | 376.6 | 376.4 | 376.1 | 375.9 | 376.0 | 376.1 |
| 122.5° | 407.2 | 407.4 | 407.7 | 407.8  | 407.7 | 407.6 | 407.5 | 407.3 | 407.2 | 407.0 | 406.7 |
| 125°   | 437.2 | 437.1 | 437.0 | 436.9  | 436.7 | 436.3 | 436.0 | 435.6 | 435.2 | 435.4 | 435.7 |
| 127.5° | 464.6 | 464.7 | 464.8 | 464.9  | 465.0 | 465.1 | 465.2 | 465.4 | 465.5 | 464.9 | 464.3 |
| 130°   | 491.8 | 491.8 | 491.8 | 491.8  | 491.7 | 491.6 | 491.5 | 491.4 | 491.3 | 490.9 | 490.5 |
| 132.5° | 517.4 | 517.5 | 517.6 | 517.7  | 517.6 | 517.5 | 517.4 | 517.2 | 517.1 | 516.6 | 516.1 |
| 135°   | 541.9 | 541.7 | 541.4 | 541.3  | 541.2 | 540.9 | 540.7 | 540.4 | 540.2 | 539.7 | 539.2 |
| 137.5° | 564.1 | 564.2 | 564.3 | 564.4  | 564.3 | 564.0 | 563.8 | 563.5 | 563.3 | 562.7 | 562.1 |
| 140°   | 586.1 | 586.0 | 585.9 | 585.8  | 585.6 | 585.2 | 584.9 | 584.5 | 584.1 | 583.9 | 583.7 |
| 142.5° | 605.0 | 605.0 | 605.0 | 605.0  | 604.9 | 604.6 | 604.4 | 604.1 | 603.9 | 603.8 | 603.7 |
| 145°   | 623.8 | 623.6 | 623.3 | 623.2  | 623.1 | 623.0 | 622.9 | 622.7 | 622.6 | 622.6 | 622.6 |
| 147.5° | 640.0 | 639.9 | 639.8 | 639.7  | 639.6 | 639.5 | 639.4 | 639.2 | 639.1 | 639.2 | 639.4 |
| 150°   | 655.3 | 655.2 | 655.1 | 655.0  | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.1 | 655.3 |
| 152.5° | 669.0 | 669.1 | 669.2 | 669.3  | 669.2 | 668.9 | 668.7 | 668.4 | 668.2 | 668.4 | 668.7 |
| 155°   | 681.1 | 681.4 | 681.8 | 682.0  | 681.8 | 681.3 | 680.8 | 680.3 | 679.8 | 680.2 | 680.5 |
| 157.5° | 691.4 | 692.1 | 692.7 | 693.0  | 692.7 | 692.1 | 691.4 | 690.8 | 690.2 | 690.7 | 691.2 |
| 160°   | 701.6 | 702.3 | 703.0 | 703.4  | 703.0 | 702.3 | 701.6 | 700.8 | 700.1 | 700.2 | 700.3 |
| 162.5° | 709.5 | 710.3 | 711.2 | 711.6  | 711.2 | 710.5 | 709.8 | 709.0 | 708.3 | 708.4 | 708.6 |
| 165°   | 717.1 | 718.2 | 719.3 | 719.9  | 719.4 | 718.4 | 717.5 | 716.5 | 715.5 | 715.5 | 715.5 |
| 167.5° | 722.8 | 724.1 | 725.3 | 725.9  | 725.4 | 724.3 | 723.2 | 722.1 | 721.0 | 721.1 | 721.2 |
| 170°   | 727.8 | 729.1 | 730.3 | 730.9  | 730.4 | 729.4 | 728.5 | 727.5 | 726.5 | 726.4 | 726.2 |
| 172.5° | 730.8 | 732.2 | 733.5 | 734.2  | 733.7 | 732.7 | 731.8 | 730.8 | 729.8 | 729.7 | 729.5 |
| 175°   | 733.2 | 734.7 | 736.2 | 736.9  | 736.4 | 735.3 | 734.2 | 733.1 | 732.0 | 731.9 | 731.7 |
| 177.5° | 734.3 | 735.8 | 737.3 | 738.0  | 737.5 | 736.5 | 735.6 | 734.6 | 733.6 | 733.4 | 733.1 |
| 180°   | 734.7 | 734.7 | 734.7 | 734.7  | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 |

TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 |
| 2.5°   | 1279.9 | 1275.8 | 1272.7 | 1272.7 | 1263.5 | 1254.2 | 1249.1 | 1247.0 | 1244.9 | 1236.7 | 1225.4 |
| 5°     | 1332.3 | 1319.0 | 1309.7 | 1300.5 | 1285.0 | 1268.6 | 1252.1 | 1242.9 | 1229.5 | 1211.0 | 1197.7 |
| 7.5°   | 1390.9 | 1359.1 | 1348.8 | 1337.5 | 1306.6 | 1278.9 | 1256.3 | 1236.7 | 1215.1 | 1191.5 | 1167.8 |
| 10°    | 1440.3 | 1406.4 | 1383.7 | 1364.2 | 1324.1 | 1287.1 | 1253.2 | 1224.4 | 1196.6 | 1165.8 | 1137.0 |
| 12.5°  | 1487.6 | 1439.2 | 1415.6 | 1386.8 | 1344.7 | 1291.2 | 1247.0 | 1211.0 | 1169.9 | 1138.0 | 1103.1 |
| 15°    | 1553.4 | 1472.1 | 1433.1 | 1414.6 | 1358.0 | 1295.3 | 1241.9 | 1188.4 | 1154.5 | 1106.2 | 1075.3 |
| 17.5°  | 1563.6 | 1497.8 | 1472.1 | 1424.9 | 1357.0 | 1286.1 | 1224.4 | 1170.9 | 1119.5 | 1076.4 | 1036.3 |
| 20°    | 1599.6 | 1513.3 | 1472.1 | 1442.3 | 1352.9 | 1280.9 | 1213.1 | 1144.2 | 1094.9 | 1048.6 | 1003.4 |
| 22.5°  | 1622.2 | 1524.6 | 1481.4 | 1434.1 | 1348.8 | 1262.4 | 1182.2 | 1122.6 | 1062.0 | 1014.7 | 978.7  |
| 25°    | 1616.1 | 1518.4 | 1470.1 | 1425.9 | 1322.1 | 1235.7 | 1163.7 | 1087.7 | 1031.1 | 979.7  | 932.4  |
| 27.5°  | 1613.0 | 1503.0 | 1451.6 | 1402.2 | 1304.6 | 1214.1 | 1123.6 | 1062.0 | 999.2  | 939.6  | 904.7  |
| 30°    | 1604.8 | 1483.5 | 1423.8 | 1370.4 | 1268.6 | 1174.0 | 1096.9 | 1024.9 | 962.2  | 907.8  | 861.5  |
| 32.5°  | 1577.0 | 1450.6 | 1393.0 | 1335.4 | 1229.5 | 1134.9 | 1056.8 | 990.0  | 927.3  | 870.7  | 826.5  |
| 35°    | 1540.0 | 1411.5 | 1348.8 | 1288.1 | 1182.2 | 1086.6 | 1014.7 | 944.8  | 886.2  | 831.7  | 789.5  |
| 37.5°  | 1503.0 | 1366.3 | 1307.7 | 1237.8 | 1140.1 | 1040.4 | 966.4  | 903.6  | 849.2  | 792.6  | 746.4  |
| 40°    | 1449.5 | 1312.8 | 1248.0 | 1188.4 | 1074.3 | 980.7  | 912.9  | 856.4  | 802.9  | 749.4  | 710.4  |
| 42.5°  | 1376.5 | 1254.2 | 1187.4 | 1121.6 | 1014.7 | 922.1  | 856.4  | 806.0  | 755.6  | 711.4  | 668.2  |
| 45°    | 1302.5 | 1183.3 | 1123.6 | 1065.0 | 948.9  | 861.5  | 800.8  | 754.6  | 712.4  | 664.1  | 629.2  |
| 47.5°  | 1213.1 | 1112.3 | 1052.7 | 995.1  | 885.1  | 797.8  | 742.2  | 699.1  | 660.0  | 619.9  | 587.0  |
| 50°    | 1121.6 | 1034.2 | 979.7  | 920.1  | 815.2  | 736.1  | 681.6  | 645.6  | 613.7  | 575.7  | 549.0  |
| 52.5°  | 1022.9 | 946.8  | 900.6  | 843.0  | 750.5  | 677.5  | 622.0  | 586.0  | 559.3  | 531.5  | 507.8  |
| 55°    | 918.0  | 862.5  | 813.2  | 766.9  | 679.5  | 613.7  | 564.4  | 532.5  | 514.0  | 488.3  | 467.8  |
| 57.5°  | 823.5  | 770.0  | 740.2  | 687.8  | 611.7  | 546.9  | 507.8  | 481.1  | 459.5  | 444.1  | 427.7  |
| 60°    | 724.8  | 681.6  | 648.7  | 610.7  | 543.8  | 489.3  | 448.2  | 432.8  | 410.2  | 398.9  | 391.7  |
| 62.5°  | 630.2  | 599.3  | 568.5  | 539.7  | 480.1  | 428.7  | 397.8  | 378.3  | 365.0  | 353.6  | 347.5  |
| 65°    | 540.7  | 512.0  | 490.4  | 464.7  | 415.3  | 374.2  | 345.4  | 330.0  | 316.6  | 313.6  | 306.4  |
| 67.5°  | 453.4  | 441.0  | 417.4  | 396.8  | 354.7  | 322.8  | 301.2  | 281.7  | 274.5  | 271.4  | 265.2  |
| 70°    | 379.3  | 365.0  | 346.4  | 329.0  | 297.1  | 269.3  | 249.8  | 242.6  | 232.3  | 231.3  | 224.1  |
| 72.5°  | 312.5  | 295.0  | 281.7  | 268.3  | 244.7  | 220.0  | 209.7  | 199.4  | 194.3  | 190.2  | 187.1  |
| 75°    | 247.8  | 235.4  | 226.2  | 214.9  | 194.3  | 177.8  | 163.5  | 159.3  | 156.3  | 155.2  | 153.2  |
| 77.5°  | 185.0  | 176.8  | 172.7  | 161.4  | 147.0  | 132.6  | 126.4  | 120.3  | 120.3  | 118.2  | 119.3  |
| 80°    | 131.6  | 126.4  | 121.3  | 115.1  | 102.8  | 96.6   | 91.5   | 87.4   | 85.3   | 84.3   | 85.3   |
| 82.5°  | 83.3   | 80.2   | 79.2   | 75.0   | 66.8   | 63.7   | 59.6   | 56.5   | 56.5   | 56.5   | 56.5   |
| 85°    | 46.3   | 46.3   | 46.3   | 40.1   | 37.0   | 33.9   | 31.9   | 30.8   | 30.8   | 30.8   | 31.9   |
| 87.5°  | 19.5   | 19.5   | 16.4   | 16.4   | 15.4   | 13.4   | 12.3   | 12.3   | 13.4   | 13.4   | 14.4   |
| 90°    | 9.2    | 8.2    | 7.7    | 7.0    | 5.7    | 4.3    | 3.0    | 1.6    | 3.0    | 4.3    | 5.7    |
| 92.5°  | 8.6    | 7.6    | 7.1    | 7.2    | 7.5    | 7.7    | 8.0    | 8.2    | 8.0    | 7.7    | 7.5    |
| 95°    | 11.7   | 11.6   | 11.5   | 13.6   | 17.7   | 21.9   | 26.0   | 30.2   | 26.0   | 21.9   | 17.7   |
| 97.5°  | 50.6   | 63.4   | 69.8   | 68.5   | 65.8   | 63.1   | 60.4   | 57.7   | 60.4   | 63.1   | 65.8   |
| 100°   | 74.7   | 91.6   | 100.0  | 98.9   | 96.7   | 94.5   | 92.3   | 90.1   | 92.3   | 94.5   | 96.7   |
| 102.5° | 135.2  | 133.7  | 133.0  | 132.3  | 130.8  | 129.3  | 127.9  | 126.4  | 127.9  | 129.3  | 130.8  |
| 105°   | 169.6  | 169.0  | 168.7  | 168.3  | 167.6  | 166.9  | 166.1  | 165.4  | 166.1  | 166.9  | 167.6  |
| 107.5° | 204.1  | 203.2  | 202.8  | 202.6  | 202.2  | 201.9  | 201.5  | 201.1  | 201.5  | 201.9  | 202.2  |
| 110°   | 240.1  | 239.4  | 239.0  | 238.8  | 238.5  | 238.1  | 237.8  | 237.4  | 237.8  | 238.1  | 238.5  |

TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 276.3 | 276.0 | 275.9  | 275.5 | 274.8 | 274.1 | 273.3 | 272.6 | 273.3 | 274.1 | 274.8 |
| 115°   | 310.3 | 310.4 | 310.5  | 310.3 | 309.9 | 309.6 | 309.2 | 308.8 | 309.2 | 309.6 | 309.9 |
| 117.5° | 344.0 | 343.7 | 343.5  | 343.3 | 342.8 | 342.3 | 341.8 | 341.3 | 341.8 | 342.3 | 342.8 |
| 120°   | 376.2 | 376.3 | 376.4  | 376.2 | 375.7 | 375.2 | 374.7 | 374.2 | 374.7 | 375.2 | 375.7 |
| 122.5° | 406.5 | 406.2 | 406.1  | 406.0 | 405.7 | 405.5 | 405.2 | 405.0 | 405.2 | 405.5 | 405.7 |
| 125°   | 435.9 | 436.2 | 436.3  | 436.1 | 435.6 | 435.1 | 434.6 | 434.1 | 434.6 | 435.1 | 435.6 |
| 127.5° | 463.6 | 463.0 | 462.7  | 462.6 | 462.5 | 462.4 | 462.3 | 462.2 | 462.3 | 462.4 | 462.5 |
| 130°   | 490.2 | 489.8 | 489.6  | 489.5 | 489.4 | 489.3 | 489.2 | 489.1 | 489.2 | 489.3 | 489.4 |
| 132.5° | 515.6 | 515.1 | 514.9  | 514.8 | 514.5 | 514.3 | 514.0 | 513.8 | 514.0 | 514.3 | 514.5 |
| 135°   | 538.7 | 538.2 | 538.0  | 538.1 | 538.2 | 538.3 | 538.4 | 538.5 | 538.4 | 538.3 | 538.2 |
| 137.5° | 561.4 | 560.8 | 560.5  | 560.5 | 560.5 | 560.5 | 560.5 | 560.5 | 560.5 | 560.5 | 560.5 |
| 140°   | 583.4 | 583.2 | 583.1  | 583.0 | 582.7 | 582.5 | 582.2 | 582.0 | 582.2 | 582.5 | 582.7 |
| 142.5° | 603.6 | 603.5 | 603.4  | 603.2 | 602.7 | 602.2 | 601.7 | 601.2 | 601.7 | 602.2 | 602.7 |
| 145°   | 622.6 | 622.6 | 622.6  | 622.4 | 622.1 | 621.7 | 621.4 | 621.0 | 621.4 | 621.7 | 622.1 |
| 147.5° | 639.5 | 639.6 | 639.7  | 639.3 | 638.6 | 637.9 | 637.1 | 636.4 | 637.1 | 637.9 | 638.6 |
| 150°   | 655.4 | 655.5 | 655.6  | 655.4 | 654.9 | 654.4 | 653.9 | 653.4 | 653.9 | 654.4 | 654.9 |
| 152.5° | 668.9 | 669.2 | 669.3  | 669.1 | 668.8 | 668.4 | 668.1 | 667.7 | 668.1 | 668.4 | 668.8 |
| 155°   | 680.9 | 681.2 | 681.4  | 681.3 | 681.2 | 681.1 | 681.0 | 680.9 | 681.0 | 681.1 | 681.2 |
| 157.5° | 691.7 | 692.2 | 692.4  | 692.4 | 692.4 | 692.4 | 692.4 | 692.4 | 692.4 | 692.4 | 692.4 |
| 160°   | 700.4 | 700.5 | 700.6  | 700.8 | 701.2 | 701.5 | 701.9 | 702.3 | 701.9 | 701.5 | 701.2 |
| 162.5° | 708.7 | 708.8 | 708.9  | 709.1 | 709.6 | 710.1 | 710.6 | 711.1 | 710.6 | 710.1 | 709.6 |
| 165°   | 715.5 | 715.5 | 715.5  | 715.8 | 716.4 | 717.0 | 717.6 | 718.2 | 717.6 | 717.0 | 716.4 |
| 167.5° | 721.3 | 721.4 | 721.5  | 721.8 | 722.4 | 723.1 | 723.7 | 724.3 | 723.7 | 723.1 | 722.4 |
| 170°   | 726.1 | 726.0 | 725.9  | 726.3 | 727.0 | 727.7 | 728.5 | 729.2 | 728.5 | 727.7 | 727.0 |
| 172.5° | 729.4 | 729.3 | 729.2  | 729.6 | 730.3 | 731.0 | 731.8 | 732.5 | 731.8 | 731.0 | 730.3 |
| 175°   | 731.6 | 731.5 | 731.4  | 731.8 | 732.5 | 733.2 | 734.0 | 734.7 | 734.0 | 733.2 | 732.5 |
| 177.5° | 732.9 | 732.6 | 732.5  | 732.9 | 733.8 | 734.7 | 735.5 | 736.4 | 735.5 | 734.7 | 733.8 |
| 180°   | 734.7 | 734.7 | 734.7  | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 |

TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 |
| 2.5°   | 1222.3 | 1218.2 | 1220.3 | 1210.0 | 1200.7 | 1187.4 | 1176.1 | 1174.0 | 1172.0 | 1178.1 | 1174.0 |
| 5°     | 1187.4 | 1182.2 | 1177.1 | 1164.8 | 1146.3 | 1134.9 | 1118.5 | 1117.5 | 1111.3 | 1102.1 | 1104.1 |
| 7.5°   | 1149.3 | 1146.3 | 1139.1 | 1119.5 | 1103.1 | 1083.5 | 1070.2 | 1058.9 | 1053.7 | 1045.5 | 1042.4 |
| 10°    | 1118.5 | 1107.2 | 1101.0 | 1079.4 | 1059.9 | 1039.3 | 1021.9 | 1013.6 | 1004.4 | 997.2  | 992.1  |
| 12.5°  | 1076.4 | 1073.3 | 1055.8 | 1038.3 | 1021.9 | 998.2  | 984.9  | 961.2  | 948.9  | 955.0  | 953.0  |
| 15°    | 1048.6 | 1034.2 | 1030.1 | 1005.4 | 977.7  | 962.2  | 937.6  | 922.1  | 917.0  | 907.8  | 896.4  |
| 17.5°  | 1011.6 | 1002.3 | 987.9  | 965.3  | 933.5  | 911.9  | 894.4  | 880.0  | 873.8  | 861.5  | 852.2  |
| 20°    | 976.6  | 961.2  | 949.9  | 929.3  | 898.5  | 870.7  | 849.2  | 839.9  | 824.5  | 814.2  | 809.1  |
| 22.5°  | 944.8  | 933.5  | 917.0  | 886.2  | 859.4  | 832.7  | 807.0  | 793.6  | 779.2  | 773.1  | 764.9  |
| 25°    | 905.7  | 887.2  | 875.9  | 842.0  | 813.2  | 791.6  | 767.9  | 750.5  | 742.2  | 732.0  | 729.9  |
| 27.5°  | 867.7  | 850.2  | 836.8  | 807.0  | 772.1  | 744.3  | 729.9  | 717.6  | 703.2  | 703.2  | 698.0  |
| 30°    | 829.6  | 817.3  | 796.7  | 767.9  | 735.0  | 708.3  | 691.9  | 680.6  | 675.4  | 671.3  | 670.3  |
| 32.5°  | 791.6  | 775.1  | 762.8  | 723.7  | 699.1  | 674.4  | 662.1  | 652.8  | 646.6  | 645.6  | 646.6  |
| 35°    | 752.5  | 734.0  | 721.7  | 686.7  | 662.1  | 639.4  | 634.3  | 626.1  | 623.0  | 622.0  | 627.1  |
| 37.5°  | 711.4  | 697.0  | 681.6  | 652.8  | 625.0  | 611.7  | 601.4  | 598.3  | 597.3  | 603.5  | 605.5  |
| 40°    | 673.4  | 661.0  | 646.6  | 615.8  | 595.2  | 580.8  | 575.7  | 572.6  | 576.7  | 582.9  | 586.0  |
| 42.5°  | 637.4  | 619.9  | 608.6  | 580.8  | 562.3  | 554.1  | 547.9  | 547.9  | 552.1  | 559.3  | 564.4  |
| 45°    | 599.3  | 586.0  | 574.7  | 550.0  | 533.5  | 524.3  | 523.3  | 524.3  | 529.4  | 534.6  | 540.7  |
| 47.5°  | 562.3  | 549.0  | 536.6  | 516.1  | 501.7  | 496.5  | 495.5  | 496.5  | 504.8  | 512.0  | 519.2  |
| 50°    | 528.4  | 514.0  | 502.7  | 483.2  | 471.9  | 465.7  | 466.7  | 471.9  | 478.0  | 488.3  | 497.6  |
| 52.5°  | 488.3  | 478.0  | 467.8  | 450.3  | 440.0  | 435.9  | 439.0  | 443.1  | 454.4  | 461.6  | 472.9  |
| 55°    | 449.3  | 440.0  | 431.8  | 418.4  | 410.2  | 407.1  | 409.2  | 415.3  | 424.6  | 436.9  | 450.3  |
| 57.5°  | 413.3  | 403.0  | 394.8  | 385.5  | 376.3  | 377.3  | 378.3  | 386.5  | 397.8  | 409.2  | 424.6  |
| 60°    | 373.2  | 367.0  | 359.8  | 348.5  | 344.4  | 344.4  | 347.5  | 356.7  | 367.0  | 385.5  | 398.9  |
| 62.5°  | 337.2  | 329.0  | 323.8  | 316.6  | 310.5  | 311.5  | 318.7  | 326.9  | 339.3  | 354.7  | 372.1  |
| 65°    | 300.2  | 290.9  | 286.8  | 280.7  | 278.6  | 279.6  | 284.8  | 297.1  | 310.5  | 323.8  | 340.3  |
| 67.5°  | 259.1  | 256.0  | 251.9  | 245.7  | 247.8  | 248.8  | 253.9  | 264.2  | 278.6  | 292.0  | 310.5  |
| 70°    | 224.1  | 217.9  | 216.9  | 211.8  | 211.8  | 214.9  | 225.1  | 232.3  | 245.7  | 260.1  | 279.6  |
| 72.5°  | 187.1  | 182.0  | 182.0  | 177.8  | 180.9  | 184.0  | 189.2  | 199.4  | 211.8  | 226.2  | 242.6  |
| 75°    | 149.1  | 147.0  | 149.1  | 147.0  | 147.0  | 152.1  | 158.3  | 166.5  | 179.9  | 195.3  | 208.7  |
| 77.5°  | 115.1  | 115.1  | 114.1  | 117.2  | 117.2  | 120.3  | 128.5  | 136.7  | 147.0  | 159.3  | 173.7  |
| 80°    | 84.3   | 84.3   | 84.3   | 87.4   | 90.5   | 90.5   | 95.6   | 105.9  | 115.1  | 123.4  | 136.7  |
| 82.5°  | 57.6   | 57.6   | 57.6   | 59.6   | 63.7   | 63.7   | 69.9   | 76.1   | 86.4   | 93.6   | 99.7   |
| 85°    | 35.0   | 35.0   | 33.9   | 36.0   | 37.0   | 40.1   | 45.2   | 49.3   | 54.5   | 60.7   | 66.8   |
| 87.5°  | 15.4   | 15.4   | 16.4   | 17.5   | 18.5   | 20.6   | 22.6   | 24.7   | 29.8   | 31.9   | 35.0   |
| 90°    | 7.0    | 7.7    | 8.2    | 9.2    | 10.1   | 11.1   | 12.1   | 12.8   | 13.6   | 14.3   | 15.0   |
| 92.5°  | 7.2    | 7.1    | 7.6    | 8.6    | 9.5    | 10.5   | 11.5   | 12.2   | 13.0   | 13.7   | 14.4   |
| 95°    | 13.6   | 11.5   | 11.6   | 11.7   | 11.8   | 12.0   | 12.1   | 12.8   | 13.6   | 14.3   | 15.0   |
| 97.5°  | 68.5   | 69.8   | 63.4   | 50.6   | 37.7   | 24.9   | 12.1   | 12.7   | 13.3   | 13.9   | 14.5   |
| 100°   | 98.9   | 100.0  | 91.6   | 74.7   | 57.9   | 41.0   | 24.2   | 22.1   | 20.0   | 17.9   | 15.8   |
| 102.5° | 132.3  | 133.0  | 133.7  | 135.2  | 136.7  | 138.1  | 139.6  | 112.1  | 84.6   | 57.1   | 29.6   |
| 105°   | 168.3  | 168.7  | 169.0  | 169.6  | 170.3  | 170.9  | 171.5  | 172.6  | 173.7  | 174.8  | 175.9  |
| 107.5° | 202.6  | 202.8  | 203.2  | 204.1  | 204.9  | 205.8  | 206.6  | 207.2  | 207.8  | 208.5  | 209.1  |
| 110°   | 238.8  | 239.0  | 239.4  | 240.1  | 240.8  | 241.6  | 242.3  | 242.5  | 242.8  | 243.0  | 243.3  |

TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 275.5 | 275.9  | 276.0 | 276.3 | 276.5 | 276.8 | 277.0 | 276.9 | 276.7 | 276.6 | 276.5 |
| 115°   | 310.3 | 310.5  | 310.4 | 310.3 | 310.2 | 310.0 | 309.9 | 310.1 | 310.4 | 310.6 | 310.9 |
| 117.5° | 343.3 | 343.5  | 343.7 | 344.0 | 344.4 | 344.7 | 345.1 | 345.0 | 344.9 | 344.8 | 344.7 |
| 120°   | 376.2 | 376.4  | 376.3 | 376.2 | 376.1 | 376.0 | 375.9 | 376.1 | 376.4 | 376.6 | 376.9 |
| 122.5° | 406.0 | 406.1  | 406.2 | 406.5 | 406.7 | 407.0 | 407.2 | 407.3 | 407.5 | 407.6 | 407.7 |
| 125°   | 436.1 | 436.3  | 436.2 | 435.9 | 435.7 | 435.4 | 435.2 | 435.6 | 436.0 | 436.3 | 436.7 |
| 127.5° | 462.6 | 462.7  | 463.0 | 463.6 | 464.3 | 464.9 | 465.5 | 465.4 | 465.2 | 465.1 | 465.0 |
| 130°   | 489.5 | 489.6  | 489.8 | 490.2 | 490.5 | 490.9 | 491.3 | 491.4 | 491.5 | 491.6 | 491.7 |
| 132.5° | 514.8 | 514.9  | 515.1 | 515.6 | 516.1 | 516.6 | 517.1 | 517.2 | 517.4 | 517.5 | 517.6 |
| 135°   | 538.1 | 538.0  | 538.2 | 538.7 | 539.2 | 539.7 | 540.2 | 540.4 | 540.7 | 540.9 | 541.2 |
| 137.5° | 560.5 | 560.5  | 560.8 | 561.4 | 562.1 | 562.7 | 563.3 | 563.5 | 563.8 | 564.0 | 564.3 |
| 140°   | 583.0 | 583.1  | 583.2 | 583.4 | 583.7 | 583.9 | 584.1 | 584.5 | 584.9 | 585.2 | 585.6 |
| 142.5° | 603.2 | 603.4  | 603.5 | 603.6 | 603.7 | 603.8 | 603.9 | 604.1 | 604.4 | 604.6 | 604.9 |
| 145°   | 622.4 | 622.6  | 622.6 | 622.6 | 622.6 | 622.6 | 622.6 | 622.7 | 622.9 | 623.0 | 623.1 |
| 147.5° | 639.3 | 639.7  | 639.6 | 639.5 | 639.4 | 639.2 | 639.1 | 639.2 | 639.4 | 639.5 | 639.6 |
| 150°   | 655.4 | 655.6  | 655.5 | 655.4 | 655.3 | 655.1 | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 |
| 152.5° | 669.1 | 669.3  | 669.2 | 668.9 | 668.7 | 668.4 | 668.2 | 668.4 | 668.7 | 668.9 | 669.2 |
| 155°   | 681.3 | 681.4  | 681.2 | 680.9 | 680.5 | 680.2 | 679.8 | 680.3 | 680.8 | 681.3 | 681.8 |
| 157.5° | 692.4 | 692.4  | 692.2 | 691.7 | 691.2 | 690.7 | 690.2 | 690.8 | 691.4 | 692.1 | 692.7 |
| 160°   | 700.8 | 700.6  | 700.5 | 700.4 | 700.3 | 700.2 | 700.1 | 700.8 | 701.6 | 702.3 | 703.0 |
| 162.5° | 709.1 | 708.9  | 708.8 | 708.7 | 708.6 | 708.4 | 708.3 | 709.0 | 709.8 | 710.5 | 711.2 |
| 165°   | 715.8 | 715.5  | 715.5 | 715.5 | 715.5 | 715.5 | 715.5 | 716.5 | 717.5 | 718.4 | 719.4 |
| 167.5° | 721.8 | 721.5  | 721.4 | 721.3 | 721.2 | 721.1 | 721.0 | 722.1 | 723.2 | 724.3 | 725.4 |
| 170°   | 726.3 | 725.9  | 726.0 | 726.1 | 726.2 | 726.4 | 726.5 | 727.5 | 728.5 | 729.4 | 730.4 |
| 172.5° | 729.6 | 729.2  | 729.3 | 729.4 | 729.5 | 729.7 | 729.8 | 730.8 | 731.8 | 732.7 | 733.7 |
| 175°   | 731.8 | 731.4  | 731.5 | 731.6 | 731.7 | 731.9 | 732.0 | 733.1 | 734.2 | 735.3 | 736.4 |
| 177.5° | 732.9 | 732.5  | 732.6 | 732.9 | 733.1 | 733.4 | 733.6 | 734.6 | 735.6 | 736.5 | 737.5 |
| 180°   | 734.7 | 734.7  | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 |

TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 |
| 2.5°   | 1170.9 | 1169.9 | 1164.8 | 1166.8 | 1160.7 | 1162.7 | 1165.8 | 1166.8 | 1170.9 | 1167.8 | 1166.8 |
| 5°     | 1099.0 | 1096.9 | 1093.8 | 1090.7 | 1089.7 | 1093.8 | 1086.6 | 1088.7 | 1090.7 | 1093.8 | 1097.9 |
| 7.5°   | 1040.4 | 1039.3 | 1036.3 | 1031.1 | 1029.1 | 1027.0 | 1028.0 | 1035.2 | 1034.2 | 1033.2 | 1040.4 |
| 10°    | 986.9  | 987.9  | 981.8  | 980.7  | 974.6  | 973.5  | 974.6  | 976.6  | 979.7  | 983.8  | 984.9  |
| 12.5°  | 931.4  | 944.8  | 933.5  | 929.3  | 920.1  | 925.2  | 927.3  | 918.0  | 923.2  | 926.3  | 941.7  |
| 15°    | 896.4  | 890.3  | 883.1  | 883.1  | 879.0  | 876.9  | 871.8  | 879.0  | 883.1  | 889.2  | 887.2  |
| 17.5°  | 848.1  | 837.8  | 833.7  | 829.6  | 830.7  | 834.8  | 823.5  | 839.9  | 839.9  | 843.0  | 837.8  |
| 20°    | 806.0  | 797.8  | 792.6  | 790.6  | 787.5  | 785.4  | 784.4  | 788.5  | 794.7  | 796.7  | 801.9  |
| 22.5°  | 761.8  | 761.8  | 753.5  | 750.5  | 748.4  | 745.3  | 750.5  | 747.4  | 751.5  | 755.6  | 763.8  |
| 25°    | 724.8  | 724.8  | 721.7  | 717.6  | 714.5  | 712.4  | 715.5  | 714.5  | 717.6  | 722.7  | 724.8  |
| 27.5°  | 695.0  | 691.9  | 690.8  | 689.8  | 688.8  | 689.8  | 688.8  | 691.9  | 695.0  | 696.0  | 693.9  |
| 30°    | 669.3  | 666.2  | 667.2  | 667.2  | 668.2  | 667.2  | 666.2  | 669.3  | 670.3  | 668.2  | 669.3  |
| 32.5°  | 645.6  | 645.6  | 647.7  | 648.7  | 648.7  | 649.7  | 650.7  | 648.7  | 649.7  | 646.6  | 647.7  |
| 35°    | 626.1  | 628.1  | 630.2  | 631.2  | 632.2  | 631.2  | 633.3  | 632.2  | 630.2  | 628.1  | 627.1  |
| 37.5°  | 606.5  | 608.6  | 612.7  | 613.7  | 616.8  | 617.8  | 615.8  | 615.8  | 614.8  | 610.7  | 608.6  |
| 40°    | 586.0  | 588.0  | 593.2  | 596.3  | 598.3  | 601.4  | 599.3  | 599.3  | 595.2  | 591.1  | 588.0  |
| 42.5°  | 566.4  | 570.6  | 575.7  | 578.8  | 582.9  | 582.9  | 582.9  | 580.8  | 575.7  | 571.6  | 568.5  |
| 45°    | 546.9  | 547.9  | 555.1  | 560.3  | 564.4  | 564.4  | 564.4  | 561.3  | 558.2  | 550.0  | 545.9  |
| 47.5°  | 525.3  | 528.4  | 536.6  | 541.8  | 545.9  | 546.9  | 546.9  | 543.8  | 537.7  | 530.5  | 525.3  |
| 50°    | 501.7  | 506.8  | 516.1  | 523.3  | 528.4  | 530.5  | 527.4  | 525.3  | 518.1  | 509.9  | 503.7  |
| 52.5°  | 479.1  | 485.2  | 496.5  | 502.7  | 509.9  | 510.9  | 509.9  | 506.8  | 498.6  | 487.3  | 482.1  |
| 55°    | 456.4  | 461.6  | 473.9  | 484.2  | 490.4  | 492.4  | 490.4  | 485.2  | 475.0  | 463.6  | 458.5  |
| 57.5°  | 431.8  | 439.0  | 452.3  | 462.6  | 469.8  | 470.8  | 468.8  | 463.6  | 455.4  | 441.0  | 433.8  |
| 60°    | 406.1  | 415.3  | 428.7  | 439.0  | 448.2  | 449.3  | 447.2  | 440.0  | 429.7  | 415.3  | 409.2  |
| 62.5°  | 380.4  | 387.6  | 403.0  | 414.3  | 421.5  | 426.6  | 422.5  | 415.3  | 405.0  | 390.7  | 381.4  |
| 65°    | 350.6  | 360.8  | 374.2  | 384.5  | 392.7  | 393.7  | 391.7  | 385.5  | 374.2  | 358.8  | 351.6  |
| 67.5°  | 321.8  | 329.0  | 342.3  | 355.7  | 358.8  | 361.9  | 358.8  | 352.6  | 343.4  | 330.0  | 319.7  |
| 70°    | 286.8  | 293.0  | 309.4  | 318.7  | 322.8  | 325.9  | 323.8  | 317.7  | 309.4  | 297.1  | 288.9  |
| 72.5°  | 251.9  | 257.0  | 272.4  | 279.6  | 287.8  | 286.8  | 285.8  | 281.7  | 270.4  | 262.1  | 257.0  |
| 75°    | 214.9  | 221.0  | 231.3  | 240.6  | 243.6  | 243.6  | 243.6  | 240.6  | 233.4  | 220.0  | 214.9  |
| 77.5°  | 180.9  | 184.0  | 192.2  | 197.4  | 200.5  | 201.5  | 200.5  | 195.3  | 191.2  | 182.0  | 178.9  |
| 80°    | 138.8  | 147.0  | 153.2  | 154.2  | 158.3  | 158.3  | 158.3  | 156.3  | 152.1  | 142.9  | 141.9  |
| 82.5°  | 104.9  | 106.9  | 113.1  | 116.2  | 118.2  | 117.2  | 117.2  | 113.1  | 112.1  | 106.9  | 104.9  |
| 85°    | 70.9   | 74.0   | 73.0   | 77.1   | 78.1   | 76.1   | 76.1   | 78.1   | 73.0   | 74.0   | 70.9   |
| 87.5°  | 39.1   | 39.1   | 41.1   | 40.1   | 44.2   | 44.2   | 42.1   | 43.2   | 41.1   | 40.1   | 39.1   |
| 90°    | 15.4   | 15.5   | 15.8   | 16.0   | 16.3   | 16.5   | 16.3   | 16.0   | 15.8   | 15.5   | 15.4   |
| 92.5°  | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   |
| 95°    | 15.4   | 15.5   | 15.6   | 15.7   | 15.8   | 15.9   | 15.8   | 15.7   | 15.6   | 15.5   | 15.4   |
| 97.5°  | 14.8   | 14.9   | 15.0   | 15.1   | 15.3   | 15.4   | 15.3   | 15.1   | 15.0   | 14.9   | 14.8   |
| 100°   | 14.8   | 14.9   | 15.0   | 15.1   | 15.3   | 15.4   | 15.3   | 15.1   | 15.0   | 14.9   | 14.8   |
| 102.5° | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   |
| 105°   | 176.4  | 174.2  | 169.8  | 165.4  | 161.0  | 156.6  | 161.0  | 165.4  | 169.8  | 174.2  | 176.4  |
| 107.5° | 209.4  | 209.6  | 210.1  | 210.6  | 211.1  | 211.6  | 211.1  | 210.6  | 210.1  | 209.6  | 209.4  |
| 110°   | 243.4  | 243.6  | 244.0  | 244.3  | 244.7  | 245.1  | 244.7  | 244.3  | 244.0  | 243.6  | 243.4  |



TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 276.4  | 276.6 | 277.1 | 277.6 | 278.1 | 278.6 | 278.1 | 277.6 | 277.1 | 276.6 | 276.4  |
| 115°   | 311.0  | 311.0 | 311.0 | 311.0 | 311.0 | 311.0 | 311.0 | 311.0 | 311.0 | 311.0 | 311.0  |
| 117.5° | 344.6  | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6  |
| 120°   | 377.0  | 376.9 | 376.6 | 376.4 | 376.1 | 375.9 | 376.1 | 376.4 | 376.6 | 376.9 | 377.0  |
| 122.5° | 407.8  | 407.7 | 407.4 | 407.2 | 406.9 | 406.7 | 406.9 | 407.2 | 407.4 | 407.7 | 407.8  |
| 125°   | 436.9  | 437.0 | 437.1 | 437.2 | 437.3 | 437.4 | 437.3 | 437.2 | 437.1 | 437.0 | 436.9  |
| 127.5° | 464.9  | 464.8 | 464.7 | 464.6 | 464.5 | 464.4 | 464.5 | 464.6 | 464.7 | 464.8 | 464.9  |
| 130°   | 491.8  | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8  |
| 132.5° | 517.7  | 517.6 | 517.5 | 517.4 | 517.2 | 517.1 | 517.2 | 517.4 | 517.5 | 517.6 | 517.7  |
| 135°   | 541.3  | 541.4 | 541.7 | 541.9 | 542.2 | 542.4 | 542.2 | 541.9 | 541.7 | 541.4 | 541.3  |
| 137.5° | 564.4  | 564.3 | 564.2 | 564.1 | 563.9 | 563.8 | 563.9 | 564.1 | 564.2 | 564.3 | 564.4  |
| 140°   | 585.8  | 585.9 | 586.0 | 586.1 | 586.2 | 586.3 | 586.2 | 586.1 | 586.0 | 585.9 | 585.8  |
| 142.5° | 605.0  | 605.0 | 605.0 | 605.0 | 605.0 | 605.0 | 605.0 | 605.0 | 605.0 | 605.0 | 605.0  |
| 145°   | 623.2  | 623.3 | 623.6 | 623.8 | 624.1 | 624.3 | 624.1 | 623.8 | 623.6 | 623.3 | 623.2  |
| 147.5° | 639.7  | 639.8 | 639.9 | 640.0 | 640.1 | 640.2 | 640.1 | 640.0 | 639.9 | 639.8 | 639.7  |
| 150°   | 655.0  | 655.1 | 655.2 | 655.3 | 655.5 | 655.6 | 655.5 | 655.3 | 655.2 | 655.1 | 655.0  |
| 152.5° | 669.3  | 669.2 | 669.1 | 669.0 | 668.9 | 668.8 | 668.9 | 669.0 | 669.1 | 669.2 | 669.3  |
| 155°   | 682.0  | 681.8 | 681.4 | 681.1 | 680.7 | 680.3 | 680.7 | 681.1 | 681.4 | 681.8 | 682.0  |
| 157.5° | 693.0  | 692.7 | 692.1 | 691.4 | 690.8 | 690.2 | 690.8 | 691.4 | 692.1 | 692.7 | 693.0  |
| 160°   | 703.4  | 703.0 | 702.3 | 701.6 | 700.8 | 700.1 | 700.8 | 701.6 | 702.3 | 703.0 | 703.4  |
| 162.5° | 711.6  | 711.2 | 710.3 | 709.5 | 708.6 | 707.8 | 708.6 | 709.5 | 710.3 | 711.2 | 711.6  |
| 165°   | 719.9  | 719.3 | 718.2 | 717.1 | 716.0 | 714.9 | 716.0 | 717.1 | 718.2 | 719.3 | 719.9  |
| 167.5° | 725.9  | 725.3 | 724.1 | 722.8 | 721.6 | 720.4 | 721.6 | 722.8 | 724.1 | 725.3 | 725.9  |
| 170°   | 730.9  | 730.3 | 729.1 | 727.8 | 726.6 | 725.4 | 726.6 | 727.8 | 729.1 | 730.3 | 730.9  |
| 172.5° | 734.2  | 733.5 | 732.2 | 730.8 | 729.5 | 728.1 | 729.5 | 730.8 | 732.2 | 733.5 | 734.2  |
| 175°   | 736.9  | 736.2 | 734.7 | 733.2 | 731.8 | 730.3 | 731.8 | 733.2 | 734.7 | 736.2 | 736.9  |
| 177.5° | 738.0  | 737.3 | 735.8 | 734.3 | 732.9 | 731.4 | 732.9 | 734.3 | 735.8 | 737.3 | 738.0  |
| 180°   | 734.7  | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7  |

TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 | 1240.8 |
| 2.5°   | 1166.8 | 1173.0 | 1166.8 | 1170.9 | 1173.0 | 1178.1 | 1180.2 | 1189.4 | 1192.5 | 1199.7 | 1199.7 |
| 5°     | 1096.9 | 1100.0 | 1101.0 | 1105.1 | 1109.2 | 1119.5 | 1126.7 | 1140.1 | 1155.5 | 1157.6 | 1166.8 |
| 7.5°   | 1040.4 | 1045.5 | 1053.7 | 1050.7 | 1057.8 | 1073.3 | 1082.5 | 1099.0 | 1114.4 | 1122.6 | 1133.9 |
| 10°    | 990.0  | 996.2  | 999.2  | 1002.3 | 1015.7 | 1029.1 | 1043.5 | 1054.8 | 1075.3 | 1087.7 | 1096.9 |
| 12.5°  | 948.9  | 943.7  | 949.9  | 961.2  | 976.6  | 984.9  | 1004.4 | 1021.9 | 1037.3 | 1050.7 | 1058.9 |
| 15°    | 895.4  | 899.5  | 905.7  | 925.2  | 929.3  | 949.9  | 957.1  | 976.6  | 1005.4 | 1017.8 | 1028.0 |
| 17.5°  | 844.0  | 857.4  | 869.7  | 876.9  | 889.2  | 905.7  | 926.3  | 947.8  | 966.4  | 980.7  | 993.1  |
| 20°    | 802.9  | 816.3  | 823.5  | 828.6  | 840.9  | 863.5  | 883.1  | 909.8  | 933.5  | 944.8  | 961.2  |
| 22.5°  | 770.0  | 770.0  | 780.3  | 795.7  | 802.9  | 824.5  | 840.9  | 869.7  | 895.4  | 909.8  | 925.2  |
| 25°    | 728.9  | 735.0  | 743.3  | 756.6  | 766.9  | 784.4  | 808.0  | 832.7  | 860.5  | 872.8  | 892.3  |
| 27.5°  | 695.0  | 702.1  | 713.5  | 716.5  | 726.8  | 742.2  | 766.9  | 793.6  | 822.4  | 835.8  | 852.2  |
| 30°    | 669.3  | 673.4  | 677.5  | 683.6  | 692.9  | 706.3  | 726.8  | 750.5  | 785.4  | 795.7  | 816.3  |
| 32.5°  | 646.6  | 648.7  | 650.7  | 655.9  | 661.0  | 674.4  | 690.8  | 716.5  | 745.3  | 760.7  | 779.2  |
| 35°    | 626.1  | 624.0  | 625.0  | 628.1  | 633.3  | 638.4  | 655.9  | 677.5  | 704.2  | 722.7  | 737.1  |
| 37.5°  | 606.5  | 602.4  | 601.4  | 601.4  | 603.5  | 609.6  | 623.0  | 641.5  | 670.3  | 685.7  | 700.1  |
| 40°    | 585.0  | 580.8  | 578.8  | 577.8  | 576.7  | 580.8  | 591.1  | 609.6  | 632.2  | 646.6  | 663.1  |
| 42.5°  | 564.4  | 560.3  | 555.1  | 554.1  | 552.1  | 554.1  | 561.3  | 578.8  | 598.3  | 612.7  | 626.1  |
| 45°    | 543.8  | 536.6  | 530.5  | 526.4  | 527.4  | 524.3  | 529.4  | 542.8  | 565.4  | 574.7  | 588.0  |
| 47.5°  | 521.2  | 513.0  | 504.8  | 500.7  | 496.5  | 498.6  | 500.7  | 512.0  | 531.5  | 540.7  | 554.1  |
| 50°    | 499.6  | 488.3  | 479.1  | 473.9  | 470.8  | 468.8  | 470.8  | 482.1  | 496.5  | 504.8  | 516.1  |
| 52.5°  | 475.0  | 463.6  | 454.4  | 446.2  | 442.1  | 439.0  | 440.0  | 450.3  | 463.6  | 471.9  | 483.2  |
| 55°    | 452.3  | 437.9  | 425.6  | 415.3  | 412.2  | 411.2  | 410.2  | 417.4  | 428.7  | 436.9  | 446.2  |
| 57.5°  | 426.6  | 412.2  | 398.9  | 386.5  | 380.4  | 379.3  | 379.3  | 381.4  | 395.8  | 402.0  | 407.1  |
| 60°    | 400.9  | 385.5  | 371.1  | 359.8  | 350.6  | 347.5  | 346.4  | 350.6  | 357.8  | 363.9  | 371.1  |
| 62.5°  | 372.1  | 356.7  | 339.3  | 329.0  | 319.7  | 311.5  | 314.6  | 315.6  | 325.9  | 329.0  | 335.1  |
| 65°    | 344.4  | 326.9  | 312.5  | 296.1  | 285.8  | 280.7  | 278.6  | 280.7  | 288.9  | 289.9  | 294.0  |
| 67.5°  | 312.5  | 296.1  | 278.6  | 267.3  | 258.0  | 248.8  | 246.7  | 246.7  | 250.8  | 253.9  | 259.1  |
| 70°    | 281.7  | 265.2  | 245.7  | 233.4  | 224.1  | 215.9  | 212.8  | 211.8  | 214.9  | 216.9  | 222.1  |
| 72.5°  | 245.7  | 229.3  | 214.9  | 201.5  | 190.2  | 184.0  | 180.9  | 178.9  | 182.0  | 184.0  | 185.0  |
| 75°    | 207.7  | 194.3  | 179.9  | 166.5  | 159.3  | 153.2  | 149.1  | 146.0  | 148.0  | 148.0  | 148.0  |
| 77.5°  | 171.7  | 158.3  | 147.0  | 137.8  | 128.5  | 121.3  | 118.2  | 115.1  | 116.2  | 116.2  | 118.2  |
| 80°    | 133.6  | 124.4  | 115.1  | 106.9  | 98.7   | 92.5   | 90.5   | 87.4   | 85.3   | 84.3   | 84.3   |
| 82.5°  | 98.7   | 91.5   | 83.3   | 76.1   | 72.0   | 65.8   | 63.7   | 59.6   | 59.6   | 58.6   | 58.6   |
| 85°    | 65.8   | 61.7   | 53.5   | 48.3   | 45.2   | 42.1   | 40.1   | 38.0   | 35.0   | 35.0   | 33.9   |
| 87.5°  | 35.0   | 32.9   | 30.8   | 24.7   | 24.7   | 21.6   | 20.6   | 19.5   | 16.4   | 17.5   | 17.5   |
| 90°    | 15.0   | 14.3   | 13.6   | 12.8   | 12.1   | 11.1   | 10.1   | 9.2    | 8.2    | 7.7    | 7.0    |
| 92.5°  | 14.4   | 13.7   | 13.0   | 12.2   | 11.5   | 10.5   | 9.5    | 8.6    | 7.6    | 7.1    | 7.2    |
| 95°    | 15.0   | 14.3   | 13.6   | 12.8   | 12.1   | 12.0   | 11.8   | 11.7   | 11.6   | 11.5   | 13.6   |
| 97.5°  | 14.5   | 13.9   | 13.3   | 12.7   | 12.1   | 24.9   | 37.7   | 50.6   | 63.4   | 69.8   | 68.5   |
| 100°   | 15.8   | 17.9   | 20.0   | 22.1   | 24.2   | 41.0   | 57.9   | 74.7   | 91.6   | 100.0  | 98.9   |
| 102.5° | 29.6   | 57.1   | 84.6   | 112.1  | 139.6  | 138.1  | 136.7  | 135.2  | 133.7  | 133.0  | 132.3  |
| 105°   | 175.9  | 174.8  | 173.7  | 172.6  | 171.5  | 170.9  | 170.3  | 169.6  | 169.0  | 168.7  | 168.3  |
| 107.5° | 209.1  | 208.5  | 207.8  | 207.2  | 206.6  | 205.8  | 204.9  | 204.1  | 203.2  | 202.8  | 202.6  |
| 110°   | 243.3  | 243.0  | 242.8  | 242.5  | 242.3  | 241.6  | 240.8  | 240.1  | 239.4  | 239.0  | 238.8  |

TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 276.5 | 276.6 | 276.7 | 276.9 | 277.0 | 276.8 | 276.5 | 276.3 | 276.0 | 275.9  | 275.5 |
| 115°   | 310.9 | 310.6 | 310.4 | 310.1 | 309.9 | 310.0 | 310.2 | 310.3 | 310.4 | 310.5  | 310.3 |
| 117.5° | 344.7 | 344.8 | 344.9 | 345.0 | 345.1 | 344.7 | 344.4 | 344.0 | 343.7 | 343.5  | 343.3 |
| 120°   | 376.9 | 376.6 | 376.4 | 376.1 | 375.9 | 376.0 | 376.1 | 376.2 | 376.3 | 376.4  | 376.2 |
| 122.5° | 407.7 | 407.6 | 407.5 | 407.3 | 407.2 | 407.0 | 406.7 | 406.5 | 406.2 | 406.1  | 406.0 |
| 125°   | 436.7 | 436.3 | 436.0 | 435.6 | 435.2 | 435.4 | 435.7 | 435.9 | 436.2 | 436.3  | 436.1 |
| 127.5° | 465.0 | 465.1 | 465.2 | 465.4 | 465.5 | 464.9 | 464.3 | 463.6 | 463.0 | 462.7  | 462.6 |
| 130°   | 491.7 | 491.6 | 491.5 | 491.4 | 491.3 | 490.9 | 490.5 | 490.2 | 489.8 | 489.6  | 489.5 |
| 132.5° | 517.6 | 517.5 | 517.4 | 517.2 | 517.1 | 516.6 | 516.1 | 515.6 | 515.1 | 514.9  | 514.8 |
| 135°   | 541.2 | 540.9 | 540.7 | 540.4 | 540.2 | 539.7 | 539.2 | 538.7 | 538.2 | 538.0  | 538.1 |
| 137.5° | 564.3 | 564.0 | 563.8 | 563.5 | 563.3 | 562.7 | 562.1 | 561.4 | 560.8 | 560.5  | 560.5 |
| 140°   | 585.6 | 585.2 | 584.9 | 584.5 | 584.1 | 583.9 | 583.7 | 583.4 | 583.2 | 583.1  | 583.0 |
| 142.5° | 604.9 | 604.6 | 604.4 | 604.1 | 603.9 | 603.8 | 603.7 | 603.6 | 603.5 | 603.4  | 603.2 |
| 145°   | 623.1 | 623.0 | 622.9 | 622.7 | 622.6 | 622.6 | 622.6 | 622.6 | 622.6 | 622.6  | 622.4 |
| 147.5° | 639.6 | 639.5 | 639.4 | 639.2 | 639.1 | 639.2 | 639.4 | 639.5 | 639.6 | 639.7  | 639.3 |
| 150°   | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.1 | 655.3 | 655.4 | 655.5 | 655.6  | 655.4 |
| 152.5° | 669.2 | 668.9 | 668.7 | 668.4 | 668.2 | 668.4 | 668.7 | 668.9 | 669.2 | 669.3  | 669.1 |
| 155°   | 681.8 | 681.3 | 680.8 | 680.3 | 679.8 | 680.2 | 680.5 | 680.9 | 681.2 | 681.4  | 681.3 |
| 157.5° | 692.7 | 692.1 | 691.4 | 690.8 | 690.2 | 690.7 | 691.2 | 691.7 | 692.2 | 692.4  | 692.4 |
| 160°   | 703.0 | 702.3 | 701.6 | 700.8 | 700.1 | 700.2 | 700.3 | 700.4 | 700.5 | 700.6  | 700.8 |
| 162.5° | 711.2 | 710.5 | 709.8 | 709.0 | 708.3 | 708.4 | 708.6 | 708.7 | 708.8 | 708.9  | 709.1 |
| 165°   | 719.4 | 718.4 | 717.5 | 716.5 | 715.5 | 715.5 | 715.5 | 715.5 | 715.5 | 715.5  | 715.8 |
| 167.5° | 725.4 | 724.3 | 723.2 | 722.1 | 721.0 | 721.1 | 721.2 | 721.3 | 721.4 | 721.5  | 721.8 |
| 170°   | 730.4 | 729.4 | 728.5 | 727.5 | 726.5 | 726.4 | 726.2 | 726.1 | 726.0 | 725.9  | 726.3 |
| 172.5° | 733.7 | 732.7 | 731.8 | 730.8 | 729.8 | 729.7 | 729.5 | 729.4 | 729.3 | 729.2  | 729.6 |
| 175°   | 736.4 | 735.3 | 734.2 | 733.1 | 732.0 | 731.9 | 731.7 | 731.6 | 731.5 | 731.4  | 731.8 |
| 177.5° | 737.5 | 736.5 | 735.6 | 734.6 | 733.6 | 733.4 | 733.1 | 732.9 | 732.6 | 732.5  | 732.9 |
| 180°   | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7 | 734.7  | 734.7 |

TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1240.8 | 1240.8 | 1240.8 | 1240.8 |
| 2.5°   | 1206.9 | 1217.2 | 1226.4 | 1240.8 |
| 5°     | 1180.2 | 1194.6 | 1214.1 | 1235.7 |
| 7.5°   | 1149.3 | 1172.0 | 1197.7 | 1227.5 |
| 10°    | 1120.6 | 1146.3 | 1179.2 | 1215.1 |
| 12.5°  | 1090.7 | 1121.6 | 1157.6 | 1196.6 |
| 15°    | 1056.8 | 1087.7 | 1127.8 | 1180.2 |
| 17.5°  | 1026.0 | 1063.0 | 1106.2 | 1161.7 |
| 20°    | 990.0  | 1024.9 | 1072.2 | 1136.0 |
| 22.5°  | 958.1  | 998.2  | 1050.7 | 1106.2 |
| 25°    | 923.2  | 958.1  | 1010.6 | 1077.4 |
| 27.5°  | 888.2  | 931.4  | 981.8  | 1046.5 |
| 30°    | 854.3  | 890.3  | 944.8  | 1012.6 |
| 32.5°  | 817.3  | 860.5  | 910.8  | 974.6  |
| 35°    | 777.2  | 818.3  | 865.6  | 934.5  |
| 37.5°  | 741.2  | 781.3  | 829.6  | 890.3  |
| 40°    | 701.1  | 743.3  | 787.5  | 848.1  |
| 42.5°  | 662.1  | 700.1  | 744.3  | 799.8  |
| 45°    | 624.0  | 656.9  | 697.0  | 745.3  |
| 47.5°  | 585.0  | 612.7  | 649.7  | 692.9  |
| 50°    | 542.8  | 572.6  | 600.4  | 636.4  |
| 52.5°  | 503.7  | 529.4  | 552.1  | 581.9  |
| 55°    | 465.7  | 483.2  | 501.7  | 524.3  |
| 57.5°  | 425.6  | 439.0  | 452.3  | 476.0  |
| 60°    | 385.5  | 397.8  | 405.0  | 420.5  |
| 62.5°  | 346.4  | 351.6  | 360.8  | 370.1  |
| 65°    | 303.3  | 310.5  | 315.6  | 326.9  |
| 67.5°  | 264.2  | 267.3  | 272.4  | 279.6  |
| 70°    | 223.1  | 230.3  | 232.3  | 237.5  |
| 72.5°  | 188.1  | 191.2  | 193.3  | 194.3  |
| 75°    | 149.1  | 152.1  | 154.2  | 160.4  |
| 77.5°  | 117.2  | 116.2  | 120.3  | 121.3  |
| 80°    | 86.4   | 83.3   | 84.3   | 88.4   |
| 82.5°  | 56.5   | 57.6   | 56.5   | 56.5   |
| 85°    | 35.0   | 33.9   | 31.9   | 32.9   |
| 87.5°  | 15.4   | 15.4   | 14.4   | 14.4   |
| 90°    | 5.7    | 4.3    | 3.0    | 1.6    |
| 92.5°  | 7.5    | 7.7    | 8.0    | 8.2    |
| 95°    | 17.7   | 21.9   | 26.0   | 30.2   |
| 97.5°  | 65.8   | 63.1   | 60.4   | 57.7   |
| 100°   | 96.7   | 94.5   | 92.3   | 90.1   |
| 102.5° | 130.8  | 129.3  | 127.9  | 126.4  |
| 105°   | 167.6  | 166.9  | 166.1  | 165.4  |
| 107.5° | 202.2  | 201.9  | 201.5  | 201.1  |
| 110°   | 238.5  | 238.1  | 237.8  | 237.4  |

TEST NUMBER: P1013178

CATALOG NUMBER: S124DIP-B795D590UB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 274.8 | 274.1 | 273.3 | 272.6 |
| 115°   | 309.9 | 309.6 | 309.2 | 308.8 |
| 117.5° | 342.8 | 342.3 | 341.8 | 341.3 |
| 120°   | 375.7 | 375.2 | 374.7 | 374.2 |
| 122.5° | 405.7 | 405.5 | 405.2 | 405.0 |
| 125°   | 435.6 | 435.1 | 434.6 | 434.1 |
| 127.5° | 462.5 | 462.4 | 462.3 | 462.2 |
| 130°   | 489.4 | 489.3 | 489.2 | 489.1 |
| 132.5° | 514.5 | 514.3 | 514.0 | 513.8 |
| 135°   | 538.2 | 538.3 | 538.4 | 538.5 |
| 137.5° | 560.5 | 560.5 | 560.5 | 560.5 |
| 140°   | 582.7 | 582.5 | 582.2 | 582.0 |
| 142.5° | 602.7 | 602.2 | 601.7 | 601.2 |
| 145°   | 622.1 | 621.7 | 621.4 | 621.0 |
| 147.5° | 638.6 | 637.9 | 637.1 | 636.4 |
| 150°   | 654.9 | 654.4 | 653.9 | 653.4 |
| 152.5° | 668.8 | 668.4 | 668.1 | 667.7 |
| 155°   | 681.2 | 681.1 | 681.0 | 680.9 |
| 157.5° | 692.4 | 692.4 | 692.4 | 692.4 |
| 160°   | 701.2 | 701.5 | 701.9 | 702.3 |
| 162.5° | 709.6 | 710.1 | 710.6 | 711.1 |
| 165°   | 716.4 | 717.0 | 717.6 | 718.2 |
| 167.5° | 722.4 | 723.1 | 723.7 | 724.3 |
| 170°   | 727.0 | 727.7 | 728.5 | 729.2 |
| 172.5° | 730.3 | 731.0 | 731.8 | 732.5 |
| 175°   | 732.5 | 733.2 | 734.0 | 734.7 |
| 177.5° | 733.8 | 734.7 | 735.5 | 736.4 |
| 180°   | 734.7 | 734.7 | 734.7 | 734.7 |

(END OF REPORT)