

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: P1033081

Luminaire Tested: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1033081  
REPORT IS A COMBINATION OF REPORTS P1000884 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K  
Description: Define 4 Regressed Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589}  
{m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

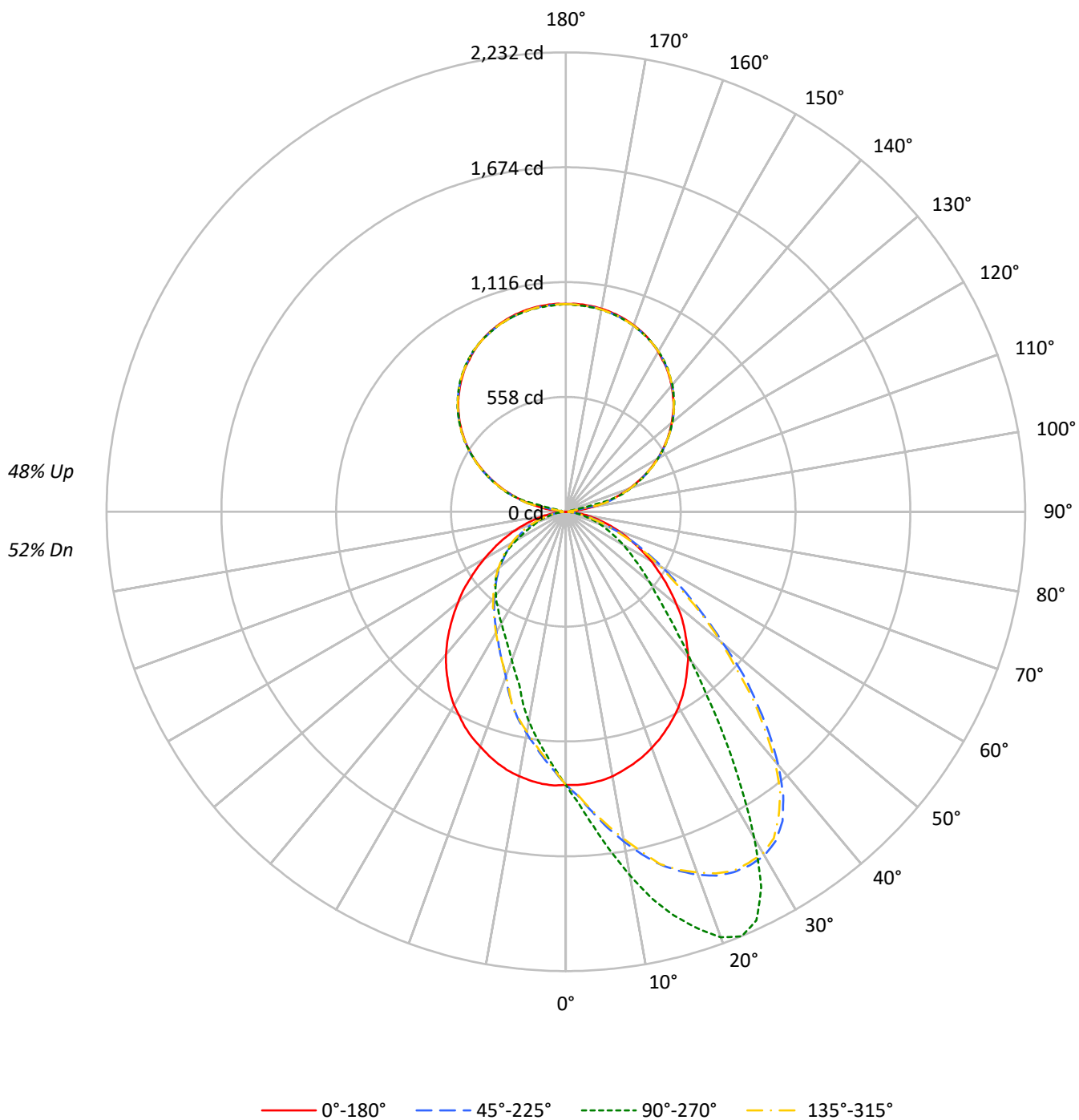
Lumens per Lamp: N/A  
Luminaire Lumens: 6480.0 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 59.1  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1033081

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 108 | 108 | 108 | 108 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 |    |    | 52 |
| 1   | 99  | 95  | 91  | 87  | 91 | 88 | 84 | 82 | 75 | 72 | 70 | 63 | 61 | 60 | 52 | 51 | 50 |    |    | 45 |
| 2   | 90  | 83  | 77  | 72  | 83 | 77 | 72 | 68 | 66 | 62 | 59 | 56 | 53 | 51 | 46 | 44 | 43 |    |    | 38 |
| 3   | 83  | 73  | 66  | 61  | 76 | 68 | 62 | 57 | 59 | 54 | 50 | 50 | 46 | 43 | 41 | 39 | 37 |    |    | 33 |
| 4   | 76  | 65  | 58  | 52  | 70 | 61 | 54 | 49 | 52 | 47 | 43 | 44 | 41 | 37 | 37 | 34 | 32 |    |    | 29 |
| 5   | 70  | 58  | 50  | 45  | 64 | 54 | 47 | 42 | 47 | 42 | 37 | 40 | 36 | 33 | 34 | 31 | 28 |    |    | 25 |
| 6   | 64  | 52  | 45  | 39  | 59 | 49 | 42 | 37 | 43 | 37 | 33 | 36 | 32 | 29 | 31 | 27 | 25 |    |    | 22 |
| 7   | 60  | 48  | 40  | 34  | 55 | 44 | 37 | 32 | 39 | 33 | 29 | 33 | 29 | 26 | 28 | 25 | 22 |    |    | 20 |
| 8   | 55  | 43  | 36  | 30  | 51 | 40 | 34 | 29 | 35 | 30 | 26 | 30 | 26 | 23 | 26 | 23 | 20 |    |    | 18 |
| 9   | 52  | 40  | 32  | 27  | 48 | 37 | 30 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 24 | 21 | 18 |    |    | 16 |
| 10  | 48  | 36  | 29  | 24  | 45 | 34 | 28 | 23 | 30 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 17 |    |    | 15 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 10819 | 10819 | 10819 | 10819 |
| 5°  | 10820 | 12225 | 10837 | 9344  |
| 10° | 10762 | 14093 | 10753 | 8127  |
| 15° | 10633 | 15861 | 10633 | 6803  |
| 20° | 10500 | 17197 | 10444 | 5992  |
| 25° | 10336 | 17270 | 10288 | 5411  |
| 30° | 10162 | 14685 | 10082 | 5012  |
| 35° | 9916  | 11081 | 9790  | 4715  |
| 40° | 9642  | 8030  | 9452  | 4483  |
| 45° | 9190  | 6103  | 8961  | 4277  |
| 50° | 8653  | 4932  | 8416  | 3976  |
| 55° | 8071  | 4084  | 7808  | 3575  |
| 60° | 7488  | 3454  | 7153  | 2973  |
| 65° | 6756  | 2814  | 6540  | 2364  |
| 70° | 6082  | 2281  | 5796  | 1919  |
| 75° | 5331  | 1644  | 4960  | 1408  |
| 80° | 4397  | 1090  | 4002  | 1035  |
| 85° | 3187  | 560   | 2649  | 560   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 13545 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 128.5  | 2.0       |
| 10°-20°   | 388.0  | 6.0       |
| 20°-30°   | 607.7  | 9.4       |
| 30°-40°   | 674.9  | 10.4      |
| 40°-50°   | 598.0  | 9.2       |
| 50°-60°   | 466.0  | 7.2       |
| 60°-70°   | 304.9  | 4.7       |
| 70°-80°   | 149.6  | 2.3       |
| 80°-90°   | 38.5   | 0.6       |
| 90°-100°  | 33.5   | 0.5       |
| 100°-110° | 220.7  | 3.4       |
| 110°-120° | 421.4  | 6.5       |
| 120°-130° | 535.0  | 8.3       |
| 130°-140° | 572.3  | 8.8       |
| 140°-150° | 535.2  | 8.3       |
| 150°-160° | 431.6  | 6.7       |
| 160°-170° | 278.3  | 4.3       |
| 170°-180° | 95.9   | 1.5       |
| 0°-30°    | 1124.2 | 17.3      |
| 0°-40°    | 1799.1 | 27.8      |
| 0°-60°    | 2863.1 | 44.2      |
| 0°-90°    | 3356.1 | 51.8      |
| 90°-120°  | 675.6  | 10.4      |
| 90°-150°  | 2318.1 | 35.8      |
| 90°-180°  | 3124.0 | 48.2      |
| 0°-180°   | 6480.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1327 | 1327 | 1327 | 1327 | 1327 |      |
| 5°   | 1325 | 1533 | 1327 | 1172 | 1325 | 126  |
| 15°  | 1268 | 2031 | 1268 | 871  | 1268 | 358  |
| 25°  | 1162 | 2191 | 1157 | 686  | 1162 | 536  |
| 35°  | 1014 | 1349 | 1001 | 574  | 1014 | 633  |
| 45°  | 817  | 690  | 796  | 483  | 817  | 630  |
| 55°  | 588  | 412  | 569  | 360  | 588  | 526  |
| 65°  | 369  | 241  | 357  | 202  | 369  | 368  |
| 75°  | 185  | 111  | 172  | 95   | 185  | 196  |
| 85°  | 44   | 27   | 36   | 27   | 44   | 49   |
| 90°  | 2    | 23   | 2    | 23   | 2    | 5    |
| 95°  | 42   | 22   | 42   | 22   | 42   | 51   |
| 105° | 227  | 215  | 227  | 215  | 227  | 238  |
| 115° | 424  | 427  | 424  | 427  | 424  | 418  |
| 125° | 596  | 601  | 596  | 601  | 596  | 533  |
| 135° | 740  | 745  | 740  | 745  | 740  | 570  |
| 145° | 853  | 858  | 853  | 858  | 853  | 533  |
| 155° | 936  | 935  | 936  | 935  | 936  | 431  |
| 165° | 987  | 982  | 987  | 982  | 987  | 279  |
| 175° | 1010 | 1004 | 1010 | 1004 | 1010 | 96   |
| 180° | 1010 | 1010 | 1010 | 1010 | 1010 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 |
| 2.5°   | 1328.9 | 1340.7 | 1347.1 | 1352.5 | 1363.2 | 1367.4 | 1376.0 | 1378.1 | 1386.7 | 1385.6 | 1382.4 |
| 5°     | 1324.7 | 1345.0 | 1359.9 | 1376.0 | 1395.2 | 1405.9 | 1417.7 | 1434.8 | 1443.3 | 1455.1 | 1462.6 |
| 7.5°   | 1317.2 | 1345.0 | 1369.6 | 1394.2 | 1425.2 | 1442.3 | 1457.2 | 1484.0 | 1506.4 | 1525.7 | 1547.0 |
| 10°    | 1305.4 | 1340.7 | 1377.1 | 1410.2 | 1453.0 | 1473.3 | 1495.7 | 1535.3 | 1566.3 | 1593.0 | 1627.2 |
| 12.5°  | 1287.2 | 1336.4 | 1377.1 | 1422.0 | 1476.5 | 1504.3 | 1534.2 | 1581.3 | 1617.6 | 1661.4 | 1704.2 |
| 15°    | 1268.0 | 1322.5 | 1376.0 | 1434.8 | 1496.8 | 1528.9 | 1558.8 | 1621.9 | 1677.5 | 1727.7 | 1774.8 |
| 17.5°  | 1246.6 | 1306.5 | 1365.3 | 1430.5 | 1505.3 | 1544.9 | 1580.2 | 1656.1 | 1717.0 | 1782.3 | 1829.3 |
| 20°    | 1221.0 | 1286.2 | 1353.5 | 1426.2 | 1510.7 | 1554.5 | 1594.1 | 1680.7 | 1748.0 | 1818.6 | 1877.4 |
| 22.5°  | 1193.2 | 1263.7 | 1337.5 | 1416.6 | 1504.3 | 1552.4 | 1598.4 | 1691.4 | 1769.4 | 1834.6 | 1913.8 |
| 25°    | 1162.2 | 1237.0 | 1312.9 | 1396.3 | 1494.7 | 1547.0 | 1594.1 | 1686.0 | 1769.4 | 1855.0 | 1931.9 |
| 27.5°  | 1130.1 | 1207.1 | 1286.2 | 1373.8 | 1474.3 | 1525.7 | 1579.1 | 1667.9 | 1765.1 | 1858.2 | 1936.2 |
| 30°    | 1094.8 | 1169.6 | 1253.0 | 1336.4 | 1443.3 | 1494.7 | 1549.2 | 1645.4 | 1751.3 | 1844.3 | 1928.7 |
| 32.5°  | 1056.3 | 1133.3 | 1212.4 | 1299.0 | 1403.8 | 1459.4 | 1509.6 | 1618.7 | 1726.7 | 1818.6 | 1897.7 |
| 35°    | 1013.5 | 1086.2 | 1161.1 | 1249.8 | 1353.5 | 1403.8 | 1463.7 | 1577.0 | 1686.0 | 1783.3 | 1834.6 |
| 37.5°  | 967.6  | 1037.1 | 1106.6 | 1194.2 | 1293.7 | 1354.6 | 1413.4 | 1527.8 | 1643.3 | 1708.5 | 1735.2 |
| 40°    | 924.8  | 985.7  | 1046.7 | 1131.1 | 1231.6 | 1294.7 | 1354.6 | 1473.3 | 1574.8 | 1625.1 | 1604.8 |
| 42.5°  | 870.3  | 933.4  | 987.9  | 1065.9 | 1167.5 | 1226.3 | 1287.2 | 1410.2 | 1492.5 | 1512.8 | 1462.6 |
| 45°    | 816.8  | 869.2  | 921.6  | 997.5  | 1104.4 | 1154.7 | 1219.9 | 1334.3 | 1402.7 | 1384.5 | 1310.8 |
| 47.5°  | 764.4  | 807.2  | 856.4  | 930.2  | 1026.4 | 1086.2 | 1147.2 | 1246.6 | 1294.7 | 1269.1 | 1166.4 |
| 50°    | 702.4  | 745.2  | 796.5  | 860.7  | 953.7  | 1011.4 | 1059.5 | 1151.5 | 1187.8 | 1124.7 | 1000.7 |
| 52.5°  | 643.6  | 681.0  | 724.9  | 784.7  | 873.5  | 925.9  | 978.3  | 1057.4 | 1069.1 | 996.4  | 866.0  |
| 55°    | 588.0  | 618.0  | 663.9  | 712.0  | 793.3  | 848.9  | 885.2  | 952.6  | 949.4  | 858.5  | 746.3  |
| 57.5°  | 530.3  | 558.1  | 589.1  | 639.3  | 716.3  | 758.0  | 797.6  | 856.4  | 825.4  | 748.4  | 637.2  |
| 60°    | 479.0  | 495.0  | 526.0  | 574.1  | 639.3  | 675.7  | 706.7  | 738.8  | 712.0  | 628.7  | 543.1  |
| 62.5°  | 422.3  | 440.5  | 462.9  | 501.4  | 559.2  | 593.4  | 615.8  | 629.7  | 601.9  | 537.8  | 459.7  |
| 65°    | 368.9  | 384.9  | 408.4  | 442.6  | 486.5  | 512.1  | 523.9  | 533.5  | 518.5  | 445.8  | 383.8  |
| 67.5°  | 320.7  | 331.4  | 352.8  | 375.3  | 422.3  | 428.7  | 444.8  | 449.0  | 419.1  | 363.5  | 314.3  |
| 70°    | 272.6  | 283.3  | 292.9  | 319.7  | 341.1  | 352.8  | 356.0  | 356.0  | 326.1  | 289.7  | 249.1  |
| 72.5°  | 227.7  | 234.1  | 243.8  | 261.9  | 273.7  | 282.3  | 286.5  | 281.2  | 253.4  | 223.5  | 193.5  |
| 75°    | 185.0  | 188.2  | 196.7  | 208.5  | 218.1  | 214.9  | 213.8  | 207.4  | 187.1  | 165.7  | 148.6  |
| 77.5°  | 142.2  | 144.3  | 154.0  | 157.2  | 157.2  | 160.4  | 156.1  | 149.7  | 132.6  | 116.5  | 109.1  |
| 80°    | 106.9  | 110.1  | 111.2  | 113.3  | 111.2  | 111.2  | 108.0  | 97.3   | 88.7   | 81.3   | 75.9   |
| 82.5°  | 73.8   | 75.9   | 77.0   | 73.8   | 75.9   | 72.7   | 67.4   | 59.9   | 54.5   | 53.5   | 51.3   |
| 85°    | 43.8   | 44.9   | 43.8   | 43.8   | 40.6   | 39.6   | 35.3   | 34.2   | 32.1   | 32.1   | 31.0   |
| 87.5°  | 21.4   | 20.3   | 18.2   | 16.0   | 16.0   | 15.0   | 16.0   | 13.9   | 16.0   | 15.0   | 13.9   |
| 90°    | 2.3    | 4.1    | 6.0    | 7.8    | 9.7    | 10.6   | 11.3   | 12.6   | 13.9   | 15.3   | 16.6   |
| 92.5°  | 11.3   | 11.0   | 10.6   | 10.3   | 10.0   | 9.8    | 10.5   | 11.8   | 13.2   | 14.5   | 15.9   |
| 95°    | 41.5   | 35.8   | 30.1   | 24.4   | 18.7   | 15.9   | 16.0   | 16.1   | 16.3   | 16.4   | 16.6   |
| 97.5°  | 79.3   | 83.0   | 86.7   | 90.4   | 94.1   | 95.9   | 87.1   | 69.5   | 51.8   | 34.2   | 16.6   |
| 100°   | 123.8  | 126.8  | 129.8  | 132.9  | 135.9  | 137.4  | 125.8  | 102.7  | 79.5   | 56.4   | 33.2   |
| 102.5° | 173.7  | 175.7  | 177.7  | 179.7  | 181.7  | 182.7  | 183.7  | 185.7  | 187.8  | 189.8  | 191.8  |
| 105°   | 227.3  | 228.3  | 229.3  | 230.3  | 231.3  | 231.8  | 232.2  | 233.1  | 233.9  | 234.8  | 235.6  |
| 107.5° | 276.4  | 276.9  | 277.4  | 277.9  | 278.4  | 278.6  | 279.2  | 280.4  | 281.5  | 282.7  | 283.9  |
| 110°   | 326.2  | 326.7  | 327.2  | 327.7  | 328.2  | 328.5  | 329.0  | 330.0  | 331.0  | 332.0  | 333.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 374.5  | 375.5  | 376.5  | 377.6  | 378.6  | 379.1  | 379.3  | 379.6  | 379.9  | 380.3  | 380.6  |
| 115°   | 424.4  | 424.9  | 425.4  | 425.9  | 426.4  | 426.6  | 426.5  | 426.4  | 426.2  | 426.1  | 425.9  |
| 117.5° | 468.9  | 469.6  | 470.2  | 470.9  | 471.6  | 471.9  | 472.2  | 472.7  | 473.2  | 473.7  | 474.2  |
| 120°   | 514.2  | 514.9  | 515.5  | 516.2  | 516.9  | 517.2  | 517.1  | 517.0  | 516.8  | 516.7  | 516.5  |
| 122.5° | 556.5  | 556.8  | 557.2  | 557.5  | 557.8  | 558.0  | 558.2  | 558.5  | 558.8  | 559.2  | 559.5  |
| 125°   | 596.5  | 597.2  | 597.8  | 598.5  | 599.2  | 599.5  | 599.3  | 599.0  | 598.7  | 598.3  | 598.0  |
| 127.5° | 635.0  | 635.2  | 635.4  | 635.5  | 635.7  | 635.8  | 636.2  | 637.1  | 637.9  | 638.8  | 639.6  |
| 130°   | 672.0  | 672.2  | 672.4  | 672.5  | 672.7  | 672.8  | 673.0  | 673.5  | 674.0  | 674.5  | 675.0  |
| 132.5° | 706.0  | 706.3  | 706.7  | 707.0  | 707.3  | 707.5  | 707.8  | 708.5  | 709.2  | 709.8  | 710.5  |
| 135°   | 740.0  | 739.8  | 739.6  | 739.5  | 739.3  | 739.2  | 739.5  | 740.2  | 740.9  | 741.6  | 742.3  |
| 137.5° | 770.2  | 770.2  | 770.2  | 770.2  | 770.2  | 770.2  | 770.6  | 771.5  | 772.3  | 773.2  | 774.0  |
| 140°   | 799.6  | 799.9  | 800.3  | 800.6  | 800.9  | 801.1  | 801.3  | 801.6  | 802.0  | 802.3  | 802.7  |
| 142.5° | 826.1  | 826.8  | 827.4  | 828.1  | 828.8  | 829.1  | 829.2  | 829.3  | 829.5  | 829.6  | 829.8  |
| 145°   | 853.3  | 853.8  | 854.3  | 854.8  | 855.3  | 855.5  | 855.5  | 855.5  | 855.5  | 855.5  | 855.5  |
| 147.5° | 874.4  | 875.4  | 876.4  | 877.4  | 878.4  | 878.9  | 878.8  | 878.7  | 878.5  | 878.4  | 878.2  |
| 150°   | 897.8  | 898.5  | 899.1  | 899.8  | 900.5  | 900.8  | 900.7  | 900.6  | 900.4  | 900.3  | 900.1  |
| 152.5° | 917.4  | 917.9  | 918.4  | 918.9  | 919.4  | 919.7  | 919.5  | 919.2  | 918.9  | 918.5  | 918.2  |
| 155°   | 935.6  | 935.8  | 935.9  | 936.1  | 936.2  | 936.3  | 936.0  | 935.5  | 935.0  | 934.5  | 934.0  |
| 157.5° | 951.4  | 951.4  | 951.4  | 951.4  | 951.4  | 951.4  | 951.1  | 950.4  | 949.7  | 949.1  | 948.4  |
| 160°   | 965.0  | 964.5  | 964.0  | 963.5  | 963.0  | 962.7  | 962.6  | 962.5  | 962.3  | 962.2  | 962.0  |
| 162.5° | 977.1  | 976.4  | 975.8  | 975.1  | 974.4  | 974.1  | 974.0  | 973.8  | 973.7  | 973.5  | 973.3  |
| 165°   | 986.9  | 986.1  | 985.2  | 984.4  | 983.5  | 983.1  | 983.1  | 983.1  | 983.1  | 983.1  | 983.1  |
| 167.5° | 995.2  | 994.4  | 993.5  | 992.7  | 991.8  | 991.4  | 991.3  | 991.2  | 991.0  | 990.9  | 990.7  |
| 170°   | 1002.0 | 1001.0 | 1000.0 | 999.0  | 998.0  | 997.5  | 997.6  | 997.7  | 997.9  | 998.0  | 998.2  |
| 172.5° | 1006.5 | 1005.5 | 1004.5 | 1003.5 | 1002.5 | 1002.0 | 1002.1 | 1002.3 | 1002.4 | 1002.6 | 1002.8 |
| 175°   | 1009.6 | 1008.6 | 1007.6 | 1006.5 | 1005.5 | 1005.0 | 1005.1 | 1005.3 | 1005.4 | 1005.6 | 1005.8 |
| 177.5° | 1011.8 | 1010.6 | 1009.4 | 1008.3 | 1007.1 | 1006.5 | 1006.7 | 1007.0 | 1007.3 | 1007.7 | 1008.0 |
| 180°   | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 |
| 2.5°   | 1391.0 | 1402.7 | 1403.8 | 1414.5 | 1411.3 | 1405.9 | 1415.5 | 1409.1 | 1422.0 | 1417.7 | 1423.0 |
| 5°     | 1472.2 | 1488.2 | 1502.1 | 1510.7 | 1525.7 | 1522.5 | 1538.5 | 1533.1 | 1544.9 | 1533.1 | 1548.1 |
| 7.5°   | 1567.4 | 1594.1 | 1608.0 | 1630.4 | 1636.9 | 1637.9 | 1657.2 | 1661.4 | 1668.9 | 1661.4 | 1670.0 |
| 10°    | 1660.4 | 1692.4 | 1724.5 | 1742.7 | 1754.5 | 1770.5 | 1787.6 | 1795.1 | 1800.4 | 1792.9 | 1798.3 |
| 12.5°  | 1744.8 | 1795.1 | 1830.4 | 1866.7 | 1875.3 | 1889.2 | 1907.3 | 1905.2 | 1926.6 | 1922.3 | 1931.9 |
| 15°    | 1822.9 | 1878.5 | 1921.2 | 1950.1 | 1973.6 | 1985.4 | 2019.6 | 2021.7 | 2020.7 | 2031.4 | 2025.0 |
| 17.5°  | 1892.4 | 1939.4 | 2000.4 | 2037.8 | 2066.6 | 2066.6 | 2085.9 | 2125.4 | 2122.2 | 2121.2 | 2127.6 |
| 20°    | 1949.0 | 2002.5 | 2059.2 | 2122.2 | 2145.8 | 2150.0 | 2176.8 | 2197.1 | 2200.3 | 2200.3 | 2200.3 |
| 22.5°  | 1991.8 | 2054.9 | 2115.8 | 2160.7 | 2178.9 | 2193.9 | 2217.4 | 2230.2 | 2234.5 | 2232.4 | 2234.5 |
| 25°    | 2013.2 | 2073.1 | 2135.1 | 2175.7 | 2186.4 | 2194.9 | 2197.1 | 2204.6 | 2203.5 | 2190.7 | 2198.2 |
| 27.5°  | 2017.5 | 2075.2 | 2115.8 | 2126.5 | 2121.2 | 2115.8 | 2081.6 | 2084.8 | 2075.2 | 2056.0 | 2063.4 |
| 30°    | 1998.2 | 2029.2 | 2028.2 | 1995.0 | 1985.4 | 1962.9 | 1931.9 | 1886.0 | 1848.5 | 1832.5 | 1837.9 |
| 32.5°  | 1928.7 | 1928.7 | 1890.2 | 1815.4 | 1782.3 | 1741.6 | 1686.0 | 1644.3 | 1595.2 | 1584.5 | 1604.8 |
| 35°    | 1832.5 | 1778.0 | 1707.4 | 1609.1 | 1558.8 | 1528.9 | 1432.6 | 1402.7 | 1361.0 | 1349.3 | 1358.9 |
| 37.5°  | 1682.8 | 1591.9 | 1489.3 | 1397.4 | 1354.6 | 1301.1 | 1216.7 | 1173.9 | 1144.0 | 1123.7 | 1133.3 |
| 40°    | 1515.0 | 1404.8 | 1297.9 | 1184.6 | 1137.6 | 1093.7 | 1030.7 | 992.2  | 944.1  | 946.2  | 949.4  |
| 42.5°  | 1354.6 | 1225.2 | 1105.5 | 1000.7 | 955.8  | 919.5  | 875.6  | 828.6  | 811.5  | 806.1  | 800.8  |
| 45°    | 1184.6 | 1046.7 | 934.4  | 856.4  | 815.8  | 781.5  | 740.9  | 714.2  | 693.9  | 689.6  | 694.9  |
| 47.5°  | 1024.2 | 907.7  | 800.8  | 728.1  | 694.9  | 677.8  | 645.8  | 621.2  | 608.3  | 597.6  | 604.1  |
| 50°    | 878.8  | 769.8  | 684.2  | 623.3  | 599.8  | 588.0  | 558.1  | 545.3  | 532.4  | 529.2  | 528.2  |
| 52.5°  | 759.1  | 666.1  | 592.3  | 543.1  | 524.9  | 518.5  | 496.1  | 477.9  | 467.2  | 470.4  | 472.6  |
| 55°    | 650.0  | 570.9  | 513.2  | 473.6  | 458.7  | 451.2  | 435.1  | 422.3  | 414.8  | 411.6  | 413.8  |
| 57.5°  | 553.8  | 485.4  | 443.7  | 411.6  | 399.9  | 396.7  | 379.5  | 375.3  | 369.9  | 366.7  | 366.7  |
| 60°    | 466.1  | 418.0  | 379.5  | 361.4  | 348.5  | 345.3  | 332.5  | 327.2  | 326.1  | 322.9  | 320.7  |
| 62.5°  | 392.4  | 352.8  | 326.1  | 306.8  | 301.5  | 300.4  | 291.9  | 285.5  | 282.3  | 280.1  | 280.1  |
| 65°    | 328.2  | 299.4  | 276.9  | 263.0  | 258.7  | 256.6  | 247.0  | 244.8  | 242.7  | 240.6  | 239.5  |
| 67.5°  | 273.7  | 248.0  | 232.0  | 222.4  | 217.0  | 218.1  | 212.8  | 208.5  | 208.5  | 207.4  | 206.3  |
| 70°    | 221.3  | 205.3  | 191.4  | 186.0  | 183.9  | 181.8  | 179.6  | 176.4  | 175.3  | 175.3  | 175.3  |
| 72.5°  | 174.3  | 163.6  | 156.1  | 152.9  | 150.7  | 148.6  | 146.5  | 146.5  | 146.5  | 145.4  | 145.4  |
| 75°    | 133.6  | 129.4  | 124.0  | 120.8  | 120.8  | 123.0  | 119.7  | 116.5  | 113.3  | 111.2  | 112.3  |
| 77.5°  | 100.5  | 98.4   | 95.2   | 89.8   | 90.9   | 88.7   | 88.7   | 86.6   | 87.7   | 87.7   | 85.5   |
| 80°    | 73.8   | 70.6   | 69.5   | 66.3   | 67.4   | 66.3   | 65.2   | 65.2   | 63.1   | 63.1   | 63.1   |
| 82.5°  | 51.3   | 48.1   | 48.1   | 47.0   | 46.0   | 46.0   | 44.9   | 44.9   | 46.0   | 43.8   | 43.8   |
| 85°    | 31.0   | 29.9   | 29.9   | 27.8   | 27.8   | 27.8   | 27.8   | 28.9   | 27.8   | 26.7   | 26.7   |
| 87.5°  | 13.9   | 15.0   | 13.9   | 12.8   | 12.8   | 12.8   | 11.8   | 11.8   | 10.7   | 11.8   | 11.8   |
| 90°    | 17.6   | 18.6   | 19.6   | 20.6   | 21.1   | 21.3   | 21.6   | 22.0   | 22.3   | 22.7   | 22.3   |
| 92.5°  | 16.9   | 17.9   | 18.9   | 19.9   | 20.4   | 20.4   | 20.4   | 20.4   | 20.4   | 20.4   | 20.4   |
| 95°    | 17.6   | 18.6   | 19.6   | 20.6   | 21.1   | 21.2   | 21.4   | 21.5   | 21.7   | 21.9   | 21.7   |
| 97.5°  | 17.4   | 18.3   | 19.1   | 20.0   | 20.4   | 20.5   | 20.6   | 20.8   | 20.9   | 21.1   | 20.9   |
| 100°   | 30.4   | 27.5   | 24.7   | 21.8   | 20.4   | 20.5   | 20.6   | 20.8   | 20.9   | 21.1   | 20.9   |
| 102.5° | 154.0  | 116.3  | 78.5   | 40.8   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   |
| 105°   | 237.1  | 238.6  | 240.1  | 241.6  | 242.4  | 239.4  | 233.3  | 227.3  | 221.2  | 215.2  | 221.2  |
| 107.5° | 284.7  | 285.6  | 286.4  | 287.3  | 287.7  | 288.0  | 288.7  | 289.4  | 290.0  | 290.7  | 290.0  |
| 110°   | 333.3  | 333.7  | 334.0  | 334.3  | 334.5  | 334.8  | 335.3  | 335.8  | 336.3  | 336.8  | 336.3  |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 380.4  | 380.2  | 380.1  | 379.9  | 379.8  | 380.1  | 380.8  | 381.5  | 382.1  | 382.8  | 382.1  |
| 115°   | 426.2  | 426.6  | 426.9  | 427.2  | 427.4  | 427.4  | 427.4  | 427.4  | 427.4  | 427.4  | 427.4  |
| 117.5° | 474.0  | 473.8  | 473.7  | 473.5  | 473.4  | 473.4  | 473.4  | 473.4  | 473.4  | 473.4  | 473.4  |
| 120°   | 516.8  | 517.2  | 517.5  | 517.8  | 518.0  | 517.8  | 517.5  | 517.2  | 516.8  | 516.5  | 516.8  |
| 122.5° | 559.7  | 559.9  | 560.0  | 560.2  | 560.3  | 560.1  | 559.8  | 559.5  | 559.1  | 558.8  | 559.1  |
| 125°   | 598.5  | 599.0  | 599.5  | 600.0  | 600.3  | 600.4  | 600.6  | 600.7  | 600.9  | 601.1  | 600.9  |
| 127.5° | 639.4  | 639.2  | 639.1  | 638.9  | 638.8  | 638.7  | 638.6  | 638.4  | 638.3  | 638.1  | 638.3  |
| 130°   | 675.2  | 675.4  | 675.5  | 675.7  | 675.8  | 675.8  | 675.8  | 675.8  | 675.8  | 675.8  | 675.8  |
| 132.5° | 710.7  | 710.9  | 711.0  | 711.2  | 711.3  | 711.2  | 711.0  | 710.9  | 710.7  | 710.5  | 710.7  |
| 135°   | 742.6  | 743.0  | 743.3  | 743.6  | 743.8  | 744.0  | 744.3  | 744.6  | 745.0  | 745.3  | 745.0  |
| 137.5° | 774.3  | 774.7  | 775.0  | 775.3  | 775.5  | 775.4  | 775.2  | 775.1  | 774.9  | 774.7  | 774.9  |
| 140°   | 803.2  | 803.7  | 804.2  | 804.7  | 804.9  | 805.0  | 805.2  | 805.3  | 805.5  | 805.7  | 805.5  |
| 142.5° | 830.2  | 830.5  | 830.9  | 831.2  | 831.4  | 831.4  | 831.4  | 831.4  | 831.4  | 831.4  | 831.4  |
| 145°   | 855.7  | 855.9  | 856.0  | 856.2  | 856.3  | 856.5  | 856.8  | 857.1  | 857.5  | 857.8  | 857.5  |
| 147.5° | 878.4  | 878.5  | 878.7  | 878.8  | 878.9  | 879.0  | 879.2  | 879.3  | 879.5  | 879.7  | 879.5  |
| 150°   | 900.1  | 900.1  | 900.1  | 900.1  | 900.1  | 900.2  | 900.3  | 900.5  | 900.6  | 900.8  | 900.6  |
| 152.5° | 918.5  | 918.9  | 919.2  | 919.5  | 919.7  | 919.6  | 919.4  | 919.3  | 919.1  | 918.9  | 919.1  |
| 155°   | 934.7  | 935.4  | 936.1  | 936.8  | 937.1  | 936.8  | 936.3  | 935.8  | 935.3  | 934.8  | 935.3  |
| 157.5° | 949.2  | 950.1  | 950.9  | 951.8  | 952.2  | 951.8  | 950.9  | 950.1  | 949.2  | 948.4  | 949.2  |
| 160°   | 963.0  | 964.0  | 965.0  | 966.0  | 966.5  | 966.0  | 965.0  | 964.0  | 963.0  | 962.0  | 963.0  |
| 162.5° | 974.3  | 975.3  | 976.3  | 977.3  | 977.8  | 977.2  | 976.1  | 974.9  | 973.8  | 972.6  | 973.8  |
| 165°   | 984.5  | 985.8  | 987.2  | 988.5  | 989.2  | 988.4  | 986.9  | 985.4  | 983.9  | 982.4  | 983.9  |
| 167.5° | 992.2  | 993.7  | 995.2  | 996.7  | 997.5  | 996.7  | 995.0  | 993.3  | 991.6  | 989.9  | 991.6  |
| 170°   | 999.6  | 1000.9 | 1002.3 | 1003.6 | 1004.3 | 1003.5 | 1001.8 | 1000.1 | 998.4  | 996.7  | 998.4  |
| 172.5° | 1004.1 | 1005.5 | 1006.8 | 1008.1 | 1008.8 | 1007.9 | 1006.0 | 1004.2 | 1002.3 | 1000.5 | 1002.3 |
| 175°   | 1007.3 | 1008.8 | 1010.3 | 1011.8 | 1012.6 | 1011.6 | 1009.6 | 1007.5 | 1005.5 | 1003.5 | 1005.5 |
| 177.5° | 1009.4 | 1010.7 | 1012.1 | 1013.4 | 1014.1 | 1013.1 | 1011.1 | 1009.0 | 1007.0 | 1005.0 | 1007.0 |
| 180°   | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 |
| 2.5°   | 1426.2 | 1418.7 | 1417.7 | 1417.7 | 1405.9 | 1412.3 | 1399.5 | 1385.6 | 1379.2 | 1379.2 | 1367.4 |
| 5°     | 1544.9 | 1537.4 | 1529.9 | 1518.2 | 1518.2 | 1511.8 | 1491.4 | 1471.1 | 1456.2 | 1443.3 | 1429.4 |
| 7.5°   | 1666.8 | 1659.3 | 1637.9 | 1626.2 | 1632.6 | 1619.7 | 1593.0 | 1558.8 | 1533.1 | 1512.8 | 1484.0 |
| 10°    | 1799.4 | 1779.0 | 1768.4 | 1761.9 | 1739.5 | 1725.6 | 1694.6 | 1644.3 | 1612.3 | 1585.5 | 1548.1 |
| 12.5°  | 1907.3 | 1913.8 | 1873.1 | 1876.3 | 1853.9 | 1834.6 | 1786.5 | 1738.4 | 1690.3 | 1652.9 | 1597.3 |
| 15°    | 2023.9 | 2004.6 | 1980.0 | 1960.8 | 1953.3 | 1929.8 | 1889.2 | 1825.0 | 1772.6 | 1713.8 | 1650.8 |
| 17.5°  | 2115.8 | 2100.9 | 2077.3 | 2059.2 | 2043.1 | 1986.5 | 1952.2 | 1895.6 | 1824.0 | 1766.2 | 1689.2 |
| 20°    | 2193.9 | 2180.0 | 2146.8 | 2135.1 | 2106.2 | 2065.6 | 2016.4 | 1928.7 | 1864.6 | 1801.5 | 1726.7 |
| 22.5°  | 2227.0 | 2213.1 | 2184.3 | 2169.3 | 2151.1 | 2111.6 | 2064.5 | 1981.1 | 1902.0 | 1822.9 | 1743.8 |
| 25°    | 2199.2 | 2199.2 | 2185.3 | 2180.0 | 2163.9 | 2128.7 | 2080.5 | 2010.0 | 1925.5 | 1840.0 | 1745.9 |
| 27.5°  | 2064.5 | 2091.2 | 2100.9 | 2106.2 | 2106.2 | 2107.3 | 2074.1 | 2005.7 | 1923.4 | 1840.0 | 1741.6 |
| 30°    | 1869.9 | 1914.8 | 1954.4 | 1966.1 | 1986.5 | 2008.9 | 2022.8 | 1989.7 | 1915.9 | 1828.2 | 1729.9 |
| 32.5°  | 1625.1 | 1682.8 | 1756.6 | 1774.8 | 1802.6 | 1869.9 | 1907.3 | 1921.2 | 1880.6 | 1803.6 | 1698.9 |
| 35°    | 1381.3 | 1454.0 | 1498.9 | 1554.5 | 1580.2 | 1679.6 | 1763.0 | 1813.3 | 1803.6 | 1757.7 | 1662.5 |
| 37.5°  | 1168.6 | 1210.3 | 1264.8 | 1323.6 | 1374.9 | 1470.1 | 1573.8 | 1671.1 | 1710.6 | 1688.2 | 1616.5 |
| 40°    | 964.4  | 1013.5 | 1078.8 | 1126.9 | 1162.2 | 1257.3 | 1385.6 | 1491.4 | 1578.0 | 1591.9 | 1548.1 |
| 42.5°  | 820.0  | 869.2  | 908.8  | 961.2  | 989.0  | 1080.9 | 1194.2 | 1326.8 | 1429.4 | 1484.0 | 1464.7 |
| 45°    | 708.8  | 738.8  | 770.8  | 800.8  | 835.0  | 916.3  | 1021.0 | 1166.4 | 1281.9 | 1358.9 | 1366.4 |
| 47.5°  | 611.5  | 638.3  | 666.1  | 693.9  | 713.1  | 776.2  | 872.4  | 991.1  | 1117.3 | 1223.1 | 1264.8 |
| 50°    | 543.1  | 556.0  | 576.3  | 592.3  | 614.8  | 669.3  | 746.3  | 848.9  | 982.5  | 1096.9 | 1151.5 |
| 52.5°  | 475.8  | 491.8  | 507.8  | 521.7  | 536.7  | 575.2  | 645.8  | 734.5  | 850.0  | 967.6  | 1034.9 |
| 55°    | 419.1  | 431.9  | 446.9  | 456.5  | 465.1  | 499.3  | 552.7  | 621.2  | 720.6  | 831.8  | 915.2  |
| 57.5°  | 373.1  | 378.5  | 391.3  | 396.7  | 406.3  | 434.1  | 472.6  | 533.5  | 613.7  | 721.7  | 790.1  |
| 60°    | 322.9  | 333.6  | 343.2  | 347.5  | 355.0  | 374.2  | 400.9  | 457.6  | 527.1  | 606.2  | 684.2  |
| 62.5°  | 282.3  | 286.5  | 294.0  | 299.4  | 304.7  | 325.0  | 347.5  | 390.2  | 442.6  | 508.9  | 580.5  |
| 65°    | 244.8  | 247.0  | 251.2  | 258.7  | 261.9  | 276.9  | 289.7  | 320.7  | 369.9  | 420.2  | 491.8  |
| 67.5°  | 206.3  | 208.5  | 213.8  | 218.1  | 221.3  | 230.9  | 244.8  | 267.3  | 294.0  | 349.6  | 389.2  |
| 70°    | 176.4  | 176.4  | 179.6  | 181.8  | 185.0  | 189.2  | 196.7  | 213.8  | 238.4  | 273.7  | 310.1  |
| 72.5°  | 147.5  | 147.5  | 147.5  | 150.7  | 150.7  | 154.0  | 158.2  | 170.0  | 187.1  | 214.9  | 238.4  |
| 75°    | 114.4  | 115.5  | 117.6  | 117.6  | 118.7  | 123.0  | 126.2  | 129.4  | 137.9  | 156.1  | 177.5  |
| 77.5°  | 86.6   | 88.7   | 89.8   | 87.7   | 89.8   | 89.8   | 94.1   | 98.4   | 102.6  | 108.0  | 124.0  |
| 80°    | 64.1   | 65.2   | 63.1   | 64.1   | 64.1   | 66.3   | 68.4   | 67.4   | 69.5   | 75.9   | 80.2   |
| 82.5°  | 42.8   | 43.8   | 43.8   | 43.8   | 43.8   | 47.0   | 47.0   | 46.0   | 47.0   | 48.1   | 49.2   |
| 85°    | 26.7   | 25.7   | 25.7   | 26.7   | 25.7   | 25.7   | 26.7   | 27.8   | 26.7   | 27.8   | 28.9   |
| 87.5°  | 11.8   | 11.8   | 11.8   | 11.8   | 10.7   | 10.7   | 11.8   | 10.7   | 11.8   | 10.7   | 9.6    |
| 90°    | 22.0   | 21.6   | 21.3   | 21.1   | 20.6   | 19.6   | 18.6   | 17.6   | 16.6   | 15.3   | 13.9   |
| 92.5°  | 20.4   | 20.4   | 20.4   | 20.4   | 19.9   | 18.9   | 17.9   | 16.9   | 15.9   | 14.5   | 13.2   |
| 95°    | 21.5   | 21.4   | 21.2   | 21.1   | 20.6   | 19.6   | 18.6   | 17.6   | 16.6   | 16.4   | 16.3   |
| 97.5°  | 20.8   | 20.6   | 20.5   | 20.4   | 20.0   | 19.1   | 18.3   | 17.4   | 16.6   | 34.2   | 51.8   |
| 100°   | 20.8   | 20.6   | 20.5   | 20.4   | 21.8   | 24.7   | 27.5   | 30.4   | 33.2   | 56.4   | 79.5   |
| 102.5° | 21.9   | 21.9   | 21.9   | 21.9   | 40.8   | 78.5   | 116.3  | 154.0  | 191.8  | 189.8  | 187.8  |
| 105°   | 227.3  | 233.3  | 239.4  | 242.4  | 241.6  | 240.1  | 238.6  | 237.1  | 235.6  | 234.8  | 233.9  |
| 107.5° | 289.4  | 288.7  | 288.0  | 287.7  | 287.3  | 286.4  | 285.6  | 284.7  | 283.9  | 282.7  | 281.5  |
| 110°   | 335.8  | 335.3  | 334.8  | 334.5  | 334.3  | 334.0  | 333.7  | 333.3  | 333.0  | 332.0  | 331.0  |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 381.5  | 380.8  | 380.1  | 379.8  | 379.9  | 380.1  | 380.2  | 380.4  | 380.6  | 380.3  | 379.9  |
| 115°   | 427.4  | 427.4  | 427.4  | 427.4  | 427.2  | 426.9  | 426.6  | 426.2  | 425.9  | 426.1  | 426.2  |
| 117.5° | 473.4  | 473.4  | 473.4  | 473.4  | 473.5  | 473.7  | 473.8  | 474.0  | 474.2  | 473.7  | 473.2  |
| 120°   | 517.2  | 517.5  | 517.8  | 518.0  | 517.8  | 517.5  | 517.2  | 516.8  | 516.5  | 516.7  | 516.8  |
| 122.5° | 559.5  | 559.8  | 560.1  | 560.3  | 560.2  | 560.0  | 559.9  | 559.7  | 559.5  | 559.2  | 558.8  |
| 125°   | 600.7  | 600.6  | 600.4  | 600.3  | 600.0  | 599.5  | 599.0  | 598.5  | 598.0  | 598.3  | 598.7  |
| 127.5° | 638.4  | 638.6  | 638.7  | 638.8  | 638.9  | 639.1  | 639.2  | 639.4  | 639.6  | 638.8  | 637.9  |
| 130°   | 675.8  | 675.8  | 675.8  | 675.8  | 675.7  | 675.5  | 675.4  | 675.2  | 675.0  | 674.5  | 674.0  |
| 132.5° | 710.9  | 711.0  | 711.2  | 711.3  | 711.2  | 711.0  | 710.9  | 710.7  | 710.5  | 709.8  | 709.2  |
| 135°   | 744.6  | 744.3  | 744.0  | 743.8  | 743.6  | 743.3  | 743.0  | 742.6  | 742.3  | 741.6  | 740.9  |
| 137.5° | 775.1  | 775.2  | 775.4  | 775.5  | 775.3  | 775.0  | 774.7  | 774.3  | 774.0  | 773.2  | 772.3  |
| 140°   | 805.3  | 805.2  | 805.0  | 804.9  | 804.7  | 804.2  | 803.7  | 803.2  | 802.7  | 802.3  | 802.0  |
| 142.5° | 831.4  | 831.4  | 831.4  | 831.4  | 831.2  | 830.9  | 830.5  | 830.2  | 829.8  | 829.6  | 829.5  |
| 145°   | 857.1  | 856.8  | 856.5  | 856.3  | 856.2  | 856.0  | 855.9  | 855.7  | 855.5  | 855.5  | 855.5  |
| 147.5° | 879.3  | 879.2  | 879.0  | 878.9  | 878.8  | 878.7  | 878.5  | 878.4  | 878.2  | 878.4  | 878.5  |
| 150°   | 900.5  | 900.3  | 900.2  | 900.1  | 900.1  | 900.1  | 900.1  | 900.1  | 900.1  | 900.3  | 900.4  |
| 152.5° | 919.3  | 919.4  | 919.6  | 919.7  | 919.5  | 919.2  | 918.9  | 918.5  | 918.2  | 918.5  | 918.9  |
| 155°   | 935.8  | 936.3  | 936.8  | 937.1  | 936.8  | 936.1  | 935.4  | 934.7  | 934.0  | 934.5  | 935.0  |
| 157.5° | 950.1  | 950.9  | 951.8  | 952.2  | 951.8  | 950.9  | 950.1  | 949.2  | 948.4  | 949.1  | 949.7  |
| 160°   | 964.0  | 965.0  | 966.0  | 966.5  | 966.0  | 965.0  | 964.0  | 963.0  | 962.0  | 962.2  | 962.3  |
| 162.5° | 974.9  | 976.1  | 977.2  | 977.8  | 977.3  | 976.3  | 975.3  | 974.3  | 973.3  | 973.5  | 973.7  |
| 165°   | 985.4  | 986.9  | 988.4  | 989.2  | 988.5  | 987.2  | 985.8  | 984.5  | 983.1  | 983.1  | 983.1  |
| 167.5° | 993.3  | 995.0  | 996.7  | 997.5  | 996.7  | 995.2  | 993.7  | 992.2  | 990.7  | 990.9  | 991.0  |
| 170°   | 1000.1 | 1001.8 | 1003.5 | 1004.3 | 1003.6 | 1002.3 | 1000.9 | 999.6  | 998.2  | 998.0  | 997.9  |
| 172.5° | 1004.2 | 1006.0 | 1007.9 | 1008.8 | 1008.1 | 1006.8 | 1005.5 | 1004.1 | 1002.8 | 1002.6 | 1002.4 |
| 175°   | 1007.5 | 1009.6 | 1011.6 | 1012.6 | 1011.8 | 1010.3 | 1008.8 | 1007.3 | 1005.8 | 1005.6 | 1005.4 |
| 177.5° | 1009.0 | 1011.1 | 1013.1 | 1014.1 | 1013.4 | 1012.1 | 1010.7 | 1009.4 | 1008.0 | 1007.7 | 1007.3 |
| 180°   | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 |
| 2.5°   | 1361.0 | 1355.7 | 1352.5 | 1351.4 | 1341.8 | 1336.4 | 1333.2 | 1331.1 | 1327.9 | 1319.3 | 1311.8 |
| 5°     | 1412.3 | 1397.4 | 1389.9 | 1381.3 | 1366.4 | 1349.3 | 1335.4 | 1326.8 | 1316.1 | 1299.0 | 1283.0 |
| 7.5°   | 1460.4 | 1438.0 | 1423.0 | 1411.3 | 1385.6 | 1357.8 | 1335.4 | 1317.2 | 1296.9 | 1273.3 | 1250.9 |
| 10°    | 1510.7 | 1474.3 | 1455.1 | 1436.9 | 1399.5 | 1363.2 | 1331.1 | 1304.4 | 1275.5 | 1244.5 | 1219.9 |
| 12.5°  | 1550.3 | 1502.1 | 1480.8 | 1455.1 | 1409.1 | 1366.4 | 1325.7 | 1289.4 | 1252.0 | 1218.8 | 1183.5 |
| 15°    | 1596.2 | 1536.4 | 1511.8 | 1478.6 | 1415.5 | 1359.9 | 1307.6 | 1268.0 | 1229.5 | 1180.3 | 1142.9 |
| 17.5°  | 1623.0 | 1553.5 | 1518.2 | 1489.3 | 1420.9 | 1353.5 | 1292.6 | 1243.4 | 1198.5 | 1149.3 | 1109.8 |
| 20°    | 1649.7 | 1570.6 | 1531.0 | 1490.4 | 1409.1 | 1337.5 | 1273.3 | 1214.5 | 1167.5 | 1114.0 | 1073.4 |
| 22.5°  | 1658.2 | 1566.3 | 1524.6 | 1487.2 | 1401.6 | 1321.5 | 1247.7 | 1187.8 | 1133.3 | 1079.8 | 1033.9 |
| 25°    | 1658.2 | 1565.2 | 1516.0 | 1467.9 | 1378.1 | 1295.8 | 1222.0 | 1156.8 | 1095.9 | 1042.4 | 996.4  |
| 27.5°  | 1641.1 | 1543.8 | 1492.5 | 1448.7 | 1355.7 | 1266.9 | 1191.0 | 1119.4 | 1060.6 | 1007.1 | 954.7  |
| 30°    | 1619.7 | 1512.8 | 1461.5 | 1409.1 | 1319.3 | 1234.9 | 1152.5 | 1086.2 | 1024.2 | 963.3  | 916.3  |
| 32.5°  | 1593.0 | 1479.7 | 1423.0 | 1369.6 | 1274.4 | 1186.7 | 1110.8 | 1045.6 | 986.8  | 923.7  | 871.3  |
| 35°    | 1554.5 | 1430.5 | 1367.4 | 1320.4 | 1228.4 | 1137.6 | 1064.9 | 1000.7 | 944.1  | 878.8  | 822.2  |
| 37.5°  | 1505.3 | 1385.6 | 1321.5 | 1263.7 | 1168.6 | 1085.2 | 1016.8 | 954.7  | 899.1  | 839.3  | 776.2  |
| 40°    | 1447.6 | 1322.5 | 1266.9 | 1206.0 | 1105.5 | 1026.4 | 962.2  | 906.6  | 851.0  | 794.4  | 733.4  |
| 42.5°  | 1382.4 | 1258.4 | 1196.4 | 1137.6 | 1041.3 | 963.3  | 903.4  | 853.2  | 801.9  | 749.5  | 684.2  |
| 45°    | 1304.4 | 1187.8 | 1127.9 | 1072.3 | 979.3  | 899.1  | 844.6  | 796.5  | 752.7  | 699.2  | 641.5  |
| 47.5°  | 1216.7 | 1115.1 | 1054.2 | 994.3  | 903.4  | 833.9  | 780.5  | 739.8  | 702.4  | 649.0  | 596.6  |
| 50°    | 1131.1 | 1030.7 | 981.5  | 920.5  | 837.1  | 771.9  | 717.4  | 683.2  | 654.3  | 601.9  | 554.9  |
| 52.5°  | 1023.2 | 947.3  | 900.2  | 847.8  | 767.6  | 701.4  | 658.6  | 628.7  | 594.4  | 553.8  | 512.1  |
| 55°    | 928.0  | 857.4  | 820.0  | 770.8  | 691.7  | 632.9  | 596.6  | 568.8  | 542.1  | 505.7  | 472.6  |
| 57.5°  | 820.0  | 776.2  | 738.8  | 696.0  | 618.0  | 567.7  | 535.6  | 512.1  | 487.5  | 457.6  | 430.9  |
| 60°    | 706.7  | 686.4  | 650.0  | 615.8  | 549.5  | 505.7  | 479.0  | 457.6  | 434.1  | 409.5  | 387.0  |
| 62.5°  | 606.2  | 594.4  | 573.1  | 546.3  | 484.3  | 446.9  | 420.2  | 404.1  | 387.0  | 364.6  | 343.2  |
| 65°    | 511.0  | 505.7  | 485.4  | 466.1  | 423.4  | 390.2  | 366.7  | 357.1  | 337.8  | 320.7  | 301.5  |
| 67.5°  | 426.6  | 420.2  | 408.4  | 399.9  | 363.5  | 332.5  | 320.7  | 307.9  | 291.9  | 279.0  | 263.0  |
| 70°    | 341.1  | 340.0  | 332.5  | 321.8  | 302.6  | 280.1  | 268.4  | 259.8  | 243.8  | 234.1  | 222.4  |
| 72.5°  | 265.1  | 270.5  | 264.1  | 259.8  | 247.0  | 230.9  | 220.2  | 214.9  | 202.1  | 194.6  | 186.0  |
| 75°    | 197.8  | 202.1  | 205.3  | 197.8  | 194.6  | 187.1  | 177.5  | 172.1  | 165.7  | 155.0  | 151.8  |
| 77.5°  | 134.7  | 144.3  | 144.3  | 146.5  | 147.5  | 143.3  | 135.8  | 131.5  | 124.0  | 121.9  | 117.6  |
| 80°    | 88.7   | 97.3   | 98.4   | 100.5  | 103.7  | 103.7  | 98.4   | 97.3   | 89.8   | 88.7   | 85.5   |
| 82.5°  | 51.3   | 58.8   | 63.1   | 66.3   | 65.2   | 69.5   | 65.2   | 64.1   | 59.9   | 59.9   | 57.7   |
| 85°    | 27.8   | 28.9   | 31.0   | 33.1   | 35.3   | 37.4   | 37.4   | 36.4   | 35.3   | 34.2   | 32.1   |
| 87.5°  | 10.7   | 10.7   | 11.8   | 10.7   | 11.8   | 13.9   | 15.0   | 15.0   | 13.9   | 12.8   | 10.7   |
| 90°    | 12.6   | 11.3   | 10.6   | 9.7    | 7.8    | 6.0    | 4.1    | 2.3    | 4.1    | 6.0    | 7.8    |
| 92.5°  | 11.8   | 10.5   | 9.8    | 10.0   | 10.3   | 10.6   | 11.0   | 11.3   | 11.0   | 10.6   | 10.3   |
| 95°    | 16.1   | 16.0   | 15.9   | 18.7   | 24.4   | 30.1   | 35.8   | 41.5   | 35.8   | 30.1   | 24.4   |
| 97.5°  | 69.5   | 87.1   | 95.9   | 94.1   | 90.4   | 86.7   | 83.0   | 79.3   | 83.0   | 86.7   | 90.4   |
| 100°   | 102.7  | 125.8  | 137.4  | 135.9  | 132.9  | 129.8  | 126.8  | 123.8  | 126.8  | 129.8  | 132.9  |
| 102.5° | 185.7  | 183.7  | 182.7  | 181.7  | 179.7  | 177.7  | 175.7  | 173.7  | 175.7  | 177.7  | 179.7  |
| 105°   | 233.1  | 232.2  | 231.8  | 231.3  | 230.3  | 229.3  | 228.3  | 227.3  | 228.3  | 229.3  | 230.3  |
| 107.5° | 280.4  | 279.2  | 278.6  | 278.4  | 277.9  | 277.4  | 276.9  | 276.4  | 276.9  | 277.4  | 277.9  |
| 110°   | 330.0  | 329.0  | 328.5  | 328.2  | 327.7  | 327.2  | 326.7  | 326.2  | 326.7  | 327.2  | 327.7  |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 379.6  | 379.3  | 379.1  | 378.6  | 377.6  | 376.5  | 375.5  | 374.5  | 375.5  | 376.5  | 377.6  |
| 115°   | 426.4  | 426.5  | 426.6  | 426.4  | 425.9  | 425.4  | 424.9  | 424.4  | 424.9  | 425.4  | 425.9  |
| 117.5° | 472.7  | 472.2  | 471.9  | 471.6  | 470.9  | 470.2  | 469.6  | 468.9  | 469.6  | 470.2  | 470.9  |
| 120°   | 517.0  | 517.1  | 517.2  | 516.9  | 516.2  | 515.5  | 514.9  | 514.2  | 514.9  | 515.5  | 516.2  |
| 122.5° | 558.5  | 558.2  | 558.0  | 557.8  | 557.5  | 557.2  | 556.8  | 556.5  | 556.8  | 557.2  | 557.5  |
| 125°   | 599.0  | 599.3  | 599.5  | 599.2  | 598.5  | 597.8  | 597.2  | 596.5  | 597.2  | 597.8  | 598.5  |
| 127.5° | 637.1  | 636.2  | 635.8  | 635.7  | 635.5  | 635.4  | 635.2  | 635.0  | 635.2  | 635.4  | 635.5  |
| 130°   | 673.5  | 673.0  | 672.8  | 672.7  | 672.5  | 672.4  | 672.2  | 672.0  | 672.2  | 672.4  | 672.5  |
| 132.5° | 708.5  | 707.8  | 707.5  | 707.3  | 707.0  | 706.7  | 706.3  | 706.0  | 706.3  | 706.7  | 707.0  |
| 135°   | 740.2  | 739.5  | 739.2  | 739.3  | 739.5  | 739.6  | 739.8  | 740.0  | 739.8  | 739.6  | 739.5  |
| 137.5° | 771.5  | 770.6  | 770.2  | 770.2  | 770.2  | 770.2  | 770.2  | 770.2  | 770.2  | 770.2  | 770.2  |
| 140°   | 801.6  | 801.3  | 801.1  | 800.9  | 800.6  | 800.3  | 799.9  | 799.6  | 799.9  | 800.3  | 800.6  |
| 142.5° | 829.3  | 829.2  | 829.1  | 828.8  | 828.1  | 827.4  | 826.8  | 826.1  | 826.8  | 827.4  | 828.1  |
| 145°   | 855.5  | 855.5  | 855.5  | 855.3  | 854.8  | 854.3  | 853.8  | 853.3  | 853.8  | 854.3  | 854.8  |
| 147.5° | 878.7  | 878.8  | 878.9  | 878.4  | 877.4  | 876.4  | 875.4  | 874.4  | 875.4  | 876.4  | 877.4  |
| 150°   | 900.6  | 900.7  | 900.8  | 900.5  | 899.8  | 899.1  | 898.5  | 897.8  | 898.5  | 899.1  | 899.8  |
| 152.5° | 919.2  | 919.5  | 919.7  | 919.4  | 918.9  | 918.4  | 917.9  | 917.4  | 917.9  | 918.4  | 918.9  |
| 155°   | 935.5  | 936.0  | 936.3  | 936.2  | 936.1  | 935.9  | 935.8  | 935.6  | 935.8  | 935.9  | 936.1  |
| 157.5° | 950.4  | 951.1  | 951.4  | 951.4  | 951.4  | 951.4  | 951.4  | 951.4  | 951.4  | 951.4  | 951.4  |
| 160°   | 962.5  | 962.6  | 962.7  | 963.0  | 963.5  | 964.0  | 964.5  | 965.0  | 964.5  | 964.0  | 963.5  |
| 162.5° | 973.8  | 974.0  | 974.1  | 974.4  | 975.1  | 975.8  | 976.4  | 977.1  | 976.4  | 975.8  | 975.1  |
| 165°   | 983.1  | 983.1  | 983.1  | 983.5  | 984.4  | 985.2  | 986.1  | 986.9  | 986.1  | 985.2  | 984.4  |
| 167.5° | 991.2  | 991.3  | 991.4  | 991.8  | 992.7  | 993.5  | 994.4  | 995.2  | 994.4  | 993.5  | 992.7  |
| 170°   | 997.7  | 997.6  | 997.5  | 998.0  | 999.0  | 1000.0 | 1001.0 | 1002.0 | 1001.0 | 1000.0 | 999.0  |
| 172.5° | 1002.3 | 1002.1 | 1002.0 | 1002.5 | 1003.5 | 1004.5 | 1005.5 | 1006.5 | 1005.5 | 1004.5 | 1003.5 |
| 175°   | 1005.3 | 1005.1 | 1005.0 | 1005.5 | 1006.5 | 1007.6 | 1008.6 | 1009.6 | 1008.6 | 1007.6 | 1006.5 |
| 177.5° | 1007.0 | 1006.7 | 1006.5 | 1007.1 | 1008.3 | 1009.4 | 1010.6 | 1011.8 | 1010.6 | 1009.4 | 1008.3 |
| 180°   | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 |
| 2.5°   | 1305.4 | 1303.3 | 1301.1 | 1292.6 | 1285.1 | 1272.3 | 1261.6 | 1257.3 | 1256.2 | 1257.3 | 1254.1 |
| 5°     | 1268.0 | 1266.9 | 1259.4 | 1244.5 | 1230.6 | 1215.6 | 1204.9 | 1194.2 | 1187.8 | 1187.8 | 1180.3 |
| 7.5°   | 1232.7 | 1225.2 | 1218.8 | 1199.6 | 1183.5 | 1163.2 | 1147.2 | 1137.6 | 1132.2 | 1120.5 | 1120.5 |
| 10°    | 1195.3 | 1184.6 | 1176.1 | 1157.9 | 1134.4 | 1114.0 | 1093.7 | 1082.0 | 1072.3 | 1063.8 | 1060.6 |
| 12.5°  | 1157.9 | 1149.3 | 1133.3 | 1114.0 | 1090.5 | 1064.9 | 1043.5 | 1034.9 | 1012.5 | 994.3  | 995.4  |
| 15°    | 1122.6 | 1103.4 | 1095.9 | 1068.1 | 1040.3 | 1015.7 | 984.7  | 960.1  | 941.9  | 930.2  | 915.2  |
| 17.5°  | 1083.0 | 1063.8 | 1049.9 | 1026.4 | 990.0  | 951.5  | 921.6  | 888.5  | 870.3  | 850.0  | 840.3  |
| 20°    | 1039.2 | 1023.2 | 1012.5 | 975.1  | 931.2  | 885.2  | 852.1  | 831.8  | 811.5  | 796.5  | 788.0  |
| 22.5°  | 1001.8 | 981.5  | 968.6  | 918.4  | 870.3  | 824.3  | 798.6  | 781.5  | 764.4  | 751.6  | 747.3  |
| 25°    | 953.7  | 941.9  | 910.9  | 867.1  | 808.3  | 777.3  | 754.8  | 732.4  | 722.7  | 714.2  | 704.6  |
| 27.5°  | 914.1  | 885.2  | 863.9  | 806.1  | 769.8  | 734.5  | 712.0  | 694.9  | 683.2  | 674.6  | 667.1  |
| 30°    | 864.9  | 838.2  | 808.3  | 760.2  | 727.0  | 693.9  | 673.6  | 659.7  | 646.8  | 641.5  | 635.1  |
| 32.5°  | 813.6  | 789.0  | 760.2  | 721.7  | 681.0  | 655.4  | 639.3  | 624.4  | 615.8  | 610.5  | 603.0  |
| 35°    | 767.6  | 736.6  | 717.4  | 681.0  | 647.9  | 619.0  | 604.1  | 591.2  | 581.6  | 579.5  | 578.4  |
| 37.5°  | 718.5  | 694.9  | 676.8  | 639.3  | 611.5  | 587.0  | 573.1  | 559.2  | 553.8  | 552.7  | 548.5  |
| 40°    | 675.7  | 655.4  | 638.3  | 603.0  | 573.1  | 550.6  | 539.9  | 531.4  | 526.0  | 526.0  | 524.9  |
| 42.5°  | 638.3  | 616.9  | 599.8  | 567.7  | 541.0  | 520.7  | 508.9  | 500.4  | 498.2  | 499.3  | 498.2  |
| 45°    | 596.6  | 578.4  | 561.3  | 528.2  | 505.7  | 490.7  | 477.9  | 473.6  | 470.4  | 471.5  | 472.6  |
| 47.5°  | 557.0  | 542.1  | 524.9  | 498.2  | 472.6  | 456.5  | 449.0  | 444.8  | 444.8  | 444.8  | 446.9  |
| 50°    | 521.7  | 504.6  | 489.7  | 461.9  | 438.3  | 425.5  | 419.1  | 413.8  | 414.8  | 415.9  | 417.0  |
| 52.5°  | 480.0  | 465.1  | 454.4  | 426.6  | 409.5  | 393.4  | 386.0  | 387.0  | 386.0  | 386.0  | 388.1  |
| 55°    | 443.7  | 428.7  | 418.0  | 392.4  | 375.3  | 364.6  | 358.2  | 355.0  | 356.0  | 353.9  | 358.2  |
| 57.5°  | 403.1  | 390.2  | 382.8  | 358.2  | 343.2  | 333.6  | 328.2  | 322.9  | 325.0  | 323.9  | 322.9  |
| 60°    | 367.8  | 352.8  | 341.1  | 323.9  | 311.1  | 299.4  | 296.2  | 290.8  | 292.9  | 290.8  | 289.7  |
| 62.5°  | 327.2  | 315.4  | 306.8  | 289.7  | 279.0  | 269.4  | 261.9  | 258.7  | 257.7  | 254.5  | 251.2  |
| 65°    | 286.5  | 280.1  | 271.6  | 254.5  | 243.8  | 236.3  | 232.0  | 228.8  | 227.7  | 219.2  | 209.6  |
| 67.5°  | 249.1  | 244.8  | 236.3  | 223.5  | 213.8  | 206.3  | 199.9  | 194.6  | 188.2  | 181.8  | 176.4  |
| 70°    | 213.8  | 207.4  | 202.1  | 190.3  | 181.8  | 174.3  | 167.9  | 161.4  | 158.2  | 151.8  | 149.7  |
| 72.5°  | 179.6  | 173.2  | 167.9  | 157.2  | 149.7  | 142.2  | 140.1  | 132.6  | 129.4  | 128.3  | 128.3  |
| 75°    | 144.3  | 139.0  | 135.8  | 126.2  | 119.7  | 114.4  | 111.2  | 109.1  | 106.9  | 104.8  | 101.6  |
| 77.5°  | 110.1  | 106.9  | 104.8  | 98.4   | 93.0   | 89.8   | 88.7   | 81.3   | 79.1   | 77.0   | 74.8   |
| 80°    | 80.2   | 79.1   | 77.0   | 71.6   | 69.5   | 62.0   | 62.0   | 59.9   | 58.8   | 58.8   | 58.8   |
| 82.5°  | 54.5   | 52.4   | 51.3   | 46.0   | 44.9   | 43.8   | 42.8   | 41.7   | 42.8   | 41.7   | 42.8   |
| 85°    | 28.9   | 27.8   | 26.7   | 26.7   | 26.7   | 26.7   | 26.7   | 26.7   | 26.7   | 25.7   | 26.7   |
| 87.5°  | 10.7   | 10.7   | 10.7   | 10.7   | 9.6    | 10.7   | 10.7   | 9.6    | 10.7   | 10.7   | 10.7   |
| 90°    | 9.7    | 10.6   | 11.3   | 12.6   | 13.9   | 15.3   | 16.6   | 17.6   | 18.6   | 19.6   | 20.6   |
| 92.5°  | 10.0   | 9.8    | 10.5   | 11.8   | 13.2   | 14.5   | 15.9   | 16.9   | 17.9   | 18.9   | 19.9   |
| 95°    | 18.7   | 15.9   | 16.0   | 16.1   | 16.3   | 16.4   | 16.6   | 17.6   | 18.6   | 19.6   | 20.6   |
| 97.5°  | 94.1   | 95.9   | 87.1   | 69.5   | 51.8   | 34.2   | 16.6   | 17.4   | 18.3   | 19.1   | 20.0   |
| 100°   | 135.9  | 137.4  | 125.8  | 102.7  | 79.5   | 56.4   | 33.2   | 30.4   | 27.5   | 24.7   | 21.8   |
| 102.5° | 181.7  | 182.7  | 183.7  | 185.7  | 187.8  | 189.8  | 191.8  | 154.0  | 116.3  | 78.5   | 40.8   |
| 105°   | 231.3  | 231.8  | 232.2  | 233.1  | 233.9  | 234.8  | 235.6  | 237.1  | 238.6  | 240.1  | 241.6  |
| 107.5° | 278.4  | 278.6  | 279.2  | 280.4  | 281.5  | 282.7  | 283.9  | 284.7  | 285.6  | 286.4  | 287.3  |
| 110°   | 328.2  | 328.5  | 329.0  | 330.0  | 331.0  | 332.0  | 333.0  | 333.3  | 333.7  | 334.0  | 334.3  |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 378.6  | 379.1  | 379.3  | 379.6  | 379.9  | 380.3  | 380.6  | 380.4  | 380.2  | 380.1  | 379.9  |
| 115°   | 426.4  | 426.6  | 426.5  | 426.4  | 426.2  | 426.1  | 425.9  | 426.2  | 426.6  | 426.9  | 427.2  |
| 117.5° | 471.6  | 471.9  | 472.2  | 472.7  | 473.2  | 473.7  | 474.2  | 474.0  | 473.8  | 473.7  | 473.5  |
| 120°   | 516.9  | 517.2  | 517.1  | 517.0  | 516.8  | 516.7  | 516.5  | 516.8  | 517.2  | 517.5  | 517.8  |
| 122.5° | 557.8  | 558.0  | 558.2  | 558.5  | 558.8  | 559.2  | 559.5  | 559.7  | 559.9  | 560.0  | 560.2  |
| 125°   | 599.2  | 599.5  | 599.3  | 599.0  | 598.7  | 598.3  | 598.0  | 598.5  | 599.0  | 599.5  | 600.0  |
| 127.5° | 635.7  | 635.8  | 636.2  | 637.1  | 637.9  | 638.8  | 639.6  | 639.4  | 639.2  | 639.1  | 638.9  |
| 130°   | 672.7  | 672.8  | 673.0  | 673.5  | 674.0  | 674.5  | 675.0  | 675.2  | 675.4  | 675.5  | 675.7  |
| 132.5° | 707.3  | 707.5  | 707.8  | 708.5  | 709.2  | 709.8  | 710.5  | 710.7  | 710.9  | 711.0  | 711.2  |
| 135°   | 739.3  | 739.2  | 739.5  | 740.2  | 740.9  | 741.6  | 742.3  | 742.6  | 743.0  | 743.3  | 743.6  |
| 137.5° | 770.2  | 770.2  | 770.6  | 771.5  | 772.3  | 773.2  | 774.0  | 774.3  | 774.7  | 775.0  | 775.3  |
| 140°   | 800.9  | 801.1  | 801.3  | 801.6  | 802.0  | 802.3  | 802.7  | 803.2  | 803.7  | 804.2  | 804.7  |
| 142.5° | 828.8  | 829.1  | 829.2  | 829.3  | 829.5  | 829.6  | 829.8  | 830.2  | 830.5  | 830.9  | 831.2  |
| 145°   | 855.3  | 855.5  | 855.5  | 855.5  | 855.5  | 855.5  | 855.5  | 855.7  | 855.9  | 856.0  | 856.2  |
| 147.5° | 878.4  | 878.9  | 878.8  | 878.7  | 878.5  | 878.4  | 878.2  | 878.4  | 878.5  | 878.7  | 878.8  |
| 150°   | 900.5  | 900.8  | 900.7  | 900.6  | 900.4  | 900.3  | 900.1  | 900.1  | 900.1  | 900.1  | 900.1  |
| 152.5° | 919.4  | 919.7  | 919.5  | 919.2  | 918.9  | 918.5  | 918.2  | 918.5  | 918.9  | 919.2  | 919.5  |
| 155°   | 936.2  | 936.3  | 936.0  | 935.5  | 935.0  | 934.5  | 934.0  | 934.7  | 935.4  | 936.1  | 936.8  |
| 157.5° | 951.4  | 951.4  | 951.1  | 950.4  | 949.7  | 949.1  | 948.4  | 949.2  | 950.1  | 950.9  | 951.8  |
| 160°   | 963.0  | 962.7  | 962.6  | 962.5  | 962.3  | 962.2  | 962.0  | 963.0  | 964.0  | 965.0  | 966.0  |
| 162.5° | 974.4  | 974.1  | 974.0  | 973.8  | 973.7  | 973.5  | 973.3  | 974.3  | 975.3  | 976.3  | 977.3  |
| 165°   | 983.5  | 983.1  | 983.1  | 983.1  | 983.1  | 983.1  | 983.1  | 984.5  | 985.8  | 987.2  | 988.5  |
| 167.5° | 991.8  | 991.4  | 991.3  | 991.2  | 991.0  | 990.9  | 990.7  | 992.2  | 993.7  | 995.2  | 996.7  |
| 170°   | 998.0  | 997.5  | 997.6  | 997.7  | 997.9  | 998.0  | 998.2  | 999.6  | 1000.9 | 1002.3 | 1003.6 |
| 172.5° | 1002.5 | 1002.0 | 1002.1 | 1002.3 | 1002.4 | 1002.6 | 1002.8 | 1004.1 | 1005.5 | 1006.8 | 1008.1 |
| 175°   | 1005.5 | 1005.0 | 1005.1 | 1005.3 | 1005.4 | 1005.6 | 1005.8 | 1007.3 | 1008.8 | 1010.3 | 1011.8 |
| 177.5° | 1007.1 | 1006.5 | 1006.7 | 1007.0 | 1007.3 | 1007.7 | 1008.0 | 1009.4 | 1010.7 | 1012.1 | 1013.4 |
| 180°   | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 |
| 2.5°   | 1254.1 | 1258.4 | 1253.0 | 1256.2 | 1248.8 | 1247.7 | 1248.8 | 1248.8 | 1249.8 | 1250.9 | 1252.0 |
| 5°     | 1183.5 | 1182.5 | 1176.1 | 1171.8 | 1168.6 | 1171.8 | 1173.9 | 1176.1 | 1173.9 | 1176.1 | 1177.1 |
| 7.5°   | 1117.3 | 1114.0 | 1110.8 | 1103.4 | 1105.5 | 1103.4 | 1109.8 | 1106.6 | 1106.6 | 1111.9 | 1116.2 |
| 10°    | 1058.4 | 1052.0 | 1049.9 | 1041.3 | 1034.9 | 1033.9 | 1041.3 | 1044.5 | 1047.8 | 1049.9 | 1058.4 |
| 12.5°  | 982.5  | 972.9  | 965.4  | 968.6  | 950.5  | 957.9  | 960.1  | 955.8  | 968.6  | 983.6  | 975.1  |
| 15°    | 901.3  | 902.4  | 887.4  | 882.0  | 867.1  | 871.3  | 872.4  | 883.1  | 893.8  | 892.7  | 905.6  |
| 17.5°  | 841.4  | 835.0  | 822.2  | 821.1  | 814.7  | 817.9  | 816.8  | 825.4  | 822.2  | 827.5  | 838.2  |
| 20°    | 785.8  | 781.5  | 770.8  | 766.6  | 768.7  | 766.6  | 767.6  | 768.7  | 771.9  | 783.7  | 781.5  |
| 22.5°  | 742.0  | 736.6  | 736.6  | 731.3  | 724.9  | 722.7  | 728.1  | 731.3  | 735.6  | 737.7  | 743.1  |
| 25°    | 703.5  | 699.2  | 693.9  | 690.7  | 685.3  | 686.4  | 689.6  | 693.9  | 697.1  | 701.4  | 705.6  |
| 27.5°  | 663.9  | 663.9  | 658.6  | 657.5  | 655.4  | 654.3  | 658.6  | 660.7  | 660.7  | 663.9  | 668.2  |
| 30°    | 632.9  | 632.9  | 627.6  | 626.5  | 625.4  | 625.4  | 628.7  | 629.7  | 630.8  | 634.0  | 636.1  |
| 32.5°  | 603.0  | 601.9  | 599.8  | 600.9  | 599.8  | 600.9  | 600.9  | 601.9  | 604.1  | 605.1  | 609.4  |
| 35°    | 575.2  | 576.3  | 574.1  | 574.1  | 573.1  | 574.1  | 576.3  | 577.3  | 578.4  | 580.5  | 580.5  |
| 37.5°  | 548.5  | 550.6  | 549.5  | 552.7  | 552.7  | 552.7  | 552.7  | 554.9  | 554.9  | 554.9  | 553.8  |
| 40°    | 524.9  | 524.9  | 523.9  | 526.0  | 528.2  | 528.2  | 529.2  | 529.2  | 530.3  | 530.3  | 529.2  |
| 42.5°  | 498.2  | 500.4  | 503.6  | 504.6  | 506.8  | 505.7  | 508.9  | 507.8  | 508.9  | 506.8  | 504.6  |
| 45°    | 473.6  | 473.6  | 477.9  | 482.2  | 483.3  | 483.3  | 483.3  | 485.4  | 483.3  | 480.0  | 479.0  |
| 47.5°  | 446.9  | 449.0  | 451.2  | 456.5  | 457.6  | 457.6  | 457.6  | 457.6  | 455.5  | 455.5  | 455.5  |
| 50°    | 420.2  | 421.2  | 422.3  | 424.4  | 427.7  | 426.6  | 426.6  | 426.6  | 430.9  | 426.6  | 427.7  |
| 52.5°  | 388.1  | 389.2  | 390.2  | 394.5  | 393.4  | 393.4  | 394.5  | 394.5  | 397.7  | 396.7  | 394.5  |
| 55°    | 356.0  | 356.0  | 358.2  | 358.2  | 358.2  | 360.3  | 361.4  | 363.5  | 362.4  | 363.5  | 364.6  |
| 57.5°  | 323.9  | 321.8  | 320.7  | 320.7  | 323.9  | 322.9  | 323.9  | 323.9  | 328.2  | 330.4  | 331.4  |
| 60°    | 286.5  | 286.5  | 285.5  | 279.0  | 279.0  | 278.0  | 281.2  | 283.3  | 285.5  | 295.1  | 294.0  |
| 62.5°  | 248.0  | 243.8  | 239.5  | 240.6  | 234.1  | 237.3  | 235.2  | 237.3  | 243.8  | 251.2  | 252.3  |
| 65°    | 209.6  | 206.3  | 202.1  | 201.0  | 198.9  | 202.1  | 201.0  | 202.1  | 205.3  | 209.6  | 214.9  |
| 67.5°  | 175.3  | 174.3  | 172.1  | 171.1  | 171.1  | 171.1  | 173.2  | 173.2  | 174.3  | 177.5  | 180.7  |
| 70°    | 149.7  | 148.6  | 149.7  | 147.5  | 148.6  | 147.5  | 148.6  | 149.7  | 150.7  | 151.8  | 155.0  |
| 72.5°  | 126.2  | 126.2  | 126.2  | 124.0  | 126.2  | 125.1  | 125.1  | 126.2  | 127.2  | 128.3  | 130.4  |
| 75°    | 100.5  | 98.4   | 96.2   | 94.1   | 93.0   | 95.2   | 96.2   | 95.2   | 98.4   | 102.6  | 102.6  |
| 77.5°  | 75.9   | 74.8   | 74.8   | 74.8   | 75.9   | 74.8   | 77.0   | 75.9   | 77.0   | 77.0   | 79.1   |
| 80°    | 58.8   | 57.7   | 58.8   | 58.8   | 57.7   | 59.9   | 58.8   | 58.8   | 59.9   | 60.9   | 59.9   |
| 82.5°  | 42.8   | 43.8   | 42.8   | 42.8   | 42.8   | 44.9   | 42.8   | 42.8   | 42.8   | 43.8   | 43.8   |
| 85°    | 26.7   | 26.7   | 26.7   | 26.7   | 27.8   | 26.7   | 27.8   | 26.7   | 28.9   | 27.8   | 27.8   |
| 87.5°  | 9.6    | 10.7   | 11.8   | 11.8   | 11.8   | 11.8   | 10.7   | 11.8   | 12.8   | 11.8   | 12.8   |
| 90°    | 21.1   | 21.3   | 21.6   | 22.0   | 22.3   | 22.7   | 22.3   | 22.0   | 21.6   | 21.3   | 21.1   |
| 92.5°  | 20.4   | 20.4   | 20.4   | 20.4   | 20.4   | 20.4   | 20.4   | 20.4   | 20.4   | 20.4   | 20.4   |
| 95°    | 21.1   | 21.2   | 21.4   | 21.5   | 21.7   | 21.9   | 21.7   | 21.5   | 21.4   | 21.2   | 21.1   |
| 97.5°  | 20.4   | 20.5   | 20.6   | 20.8   | 20.9   | 21.1   | 20.9   | 20.8   | 20.6   | 20.5   | 20.4   |
| 100°   | 20.4   | 20.5   | 20.6   | 20.8   | 20.9   | 21.1   | 20.9   | 20.8   | 20.6   | 20.5   | 20.4   |
| 102.5° | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   |
| 105°   | 242.4  | 239.4  | 233.3  | 227.3  | 221.2  | 215.2  | 221.2  | 227.3  | 233.3  | 239.4  | 242.4  |
| 107.5° | 287.7  | 288.0  | 288.7  | 289.4  | 290.0  | 290.7  | 290.0  | 289.4  | 288.7  | 288.0  | 287.7  |
| 110°   | 334.5  | 334.8  | 335.3  | 335.8  | 336.3  | 336.8  | 336.3  | 335.8  | 335.3  | 334.8  | 334.5  |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 379.8  | 380.1  | 380.8  | 381.5  | 382.1  | 382.8  | 382.1  | 381.5  | 380.8  | 380.1  | 379.8  |
| 115°   | 427.4  | 427.4  | 427.4  | 427.4  | 427.4  | 427.4  | 427.4  | 427.4  | 427.4  | 427.4  | 427.4  |
| 117.5° | 473.4  | 473.4  | 473.4  | 473.4  | 473.4  | 473.4  | 473.4  | 473.4  | 473.4  | 473.4  | 473.4  |
| 120°   | 518.0  | 517.8  | 517.5  | 517.2  | 516.8  | 516.5  | 516.8  | 517.2  | 517.5  | 517.8  | 518.0  |
| 122.5° | 560.3  | 560.1  | 559.8  | 559.5  | 559.1  | 558.8  | 559.1  | 559.5  | 559.8  | 560.1  | 560.3  |
| 125°   | 600.3  | 600.4  | 600.6  | 600.7  | 600.9  | 601.1  | 600.9  | 600.7  | 600.6  | 600.4  | 600.3  |
| 127.5° | 638.8  | 638.7  | 638.6  | 638.4  | 638.3  | 638.1  | 638.3  | 638.4  | 638.6  | 638.7  | 638.8  |
| 130°   | 675.8  | 675.8  | 675.8  | 675.8  | 675.8  | 675.8  | 675.8  | 675.8  | 675.8  | 675.8  | 675.8  |
| 132.5° | 711.3  | 711.2  | 711.0  | 710.9  | 710.7  | 710.5  | 710.7  | 710.9  | 711.0  | 711.2  | 711.3  |
| 135°   | 743.8  | 744.0  | 744.3  | 744.6  | 745.0  | 745.3  | 745.0  | 744.6  | 744.3  | 744.0  | 743.8  |
| 137.5° | 775.5  | 775.4  | 775.2  | 775.1  | 774.9  | 774.7  | 774.9  | 775.1  | 775.2  | 775.4  | 775.5  |
| 140°   | 804.9  | 805.0  | 805.2  | 805.3  | 805.5  | 805.7  | 805.5  | 805.3  | 805.2  | 805.0  | 804.9  |
| 142.5° | 831.4  | 831.4  | 831.4  | 831.4  | 831.4  | 831.4  | 831.4  | 831.4  | 831.4  | 831.4  | 831.4  |
| 145°   | 856.3  | 856.5  | 856.8  | 857.1  | 857.5  | 857.8  | 857.5  | 857.1  | 856.8  | 856.5  | 856.3  |
| 147.5° | 878.9  | 879.0  | 879.2  | 879.3  | 879.5  | 879.7  | 879.5  | 879.3  | 879.2  | 879.0  | 878.9  |
| 150°   | 900.1  | 900.2  | 900.3  | 900.5  | 900.6  | 900.8  | 900.6  | 900.5  | 900.3  | 900.2  | 900.1  |
| 152.5° | 919.7  | 919.6  | 919.4  | 919.3  | 919.1  | 918.9  | 919.1  | 919.3  | 919.4  | 919.6  | 919.7  |
| 155°   | 937.1  | 936.8  | 936.3  | 935.8  | 935.3  | 934.8  | 935.3  | 935.8  | 936.3  | 936.8  | 937.1  |
| 157.5° | 952.2  | 951.8  | 950.9  | 950.1  | 949.2  | 948.4  | 949.2  | 950.1  | 950.9  | 951.8  | 952.2  |
| 160°   | 966.5  | 966.0  | 965.0  | 964.0  | 963.0  | 962.0  | 963.0  | 964.0  | 965.0  | 966.0  | 966.5  |
| 162.5° | 977.8  | 977.2  | 976.1  | 974.9  | 973.8  | 972.6  | 973.8  | 974.9  | 976.1  | 977.2  | 977.8  |
| 165°   | 989.2  | 988.4  | 986.9  | 985.4  | 983.9  | 982.4  | 983.9  | 985.4  | 986.9  | 988.4  | 989.2  |
| 167.5° | 997.5  | 996.7  | 995.0  | 993.3  | 991.6  | 989.9  | 991.6  | 993.3  | 995.0  | 996.7  | 997.5  |
| 170°   | 1004.3 | 1003.5 | 1001.8 | 1000.1 | 998.4  | 996.7  | 998.4  | 1000.1 | 1001.8 | 1003.5 | 1004.3 |
| 172.5° | 1008.8 | 1007.9 | 1006.0 | 1004.2 | 1002.3 | 1000.5 | 1002.3 | 1004.2 | 1006.0 | 1007.9 | 1008.8 |
| 175°   | 1012.6 | 1011.6 | 1009.6 | 1007.5 | 1005.5 | 1003.5 | 1005.5 | 1007.5 | 1009.6 | 1011.6 | 1012.6 |
| 177.5° | 1014.1 | 1013.1 | 1011.1 | 1009.0 | 1007.0 | 1005.0 | 1007.0 | 1009.0 | 1011.1 | 1013.1 | 1014.1 |
| 180°   | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1326.8 |
| 2.5°   | 1256.2 | 1261.6 | 1259.4 | 1252.0 | 1255.2 | 1261.6 | 1268.0 | 1276.6 | 1281.9 | 1286.2 | 1288.3 |
| 5°     | 1182.5 | 1192.1 | 1190.0 | 1190.0 | 1194.2 | 1204.9 | 1215.6 | 1233.8 | 1240.2 | 1247.7 | 1258.4 |
| 7.5°   | 1117.3 | 1124.7 | 1131.1 | 1133.3 | 1139.7 | 1153.6 | 1167.5 | 1187.8 | 1203.9 | 1212.4 | 1218.8 |
| 10°    | 1059.5 | 1064.9 | 1074.5 | 1079.8 | 1086.2 | 1103.4 | 1123.7 | 1145.0 | 1161.1 | 1176.1 | 1184.6 |
| 12.5°  | 985.7  | 1007.1 | 1020.0 | 1028.5 | 1037.1 | 1062.7 | 1078.8 | 1102.3 | 1121.5 | 1135.4 | 1148.3 |
| 15°    | 903.4  | 929.1  | 936.6  | 969.7  | 991.1  | 1011.4 | 1036.0 | 1063.8 | 1082.0 | 1098.0 | 1115.1 |
| 17.5°  | 833.9  | 852.1  | 860.7  | 895.9  | 914.1  | 946.2  | 981.5  | 1016.8 | 1044.5 | 1056.3 | 1073.4 |
| 20°    | 790.1  | 799.7  | 816.8  | 828.6  | 847.8  | 885.2  | 923.7  | 966.5  | 1008.2 | 1020.0 | 1037.1 |
| 22.5°  | 745.2  | 758.0  | 769.8  | 785.8  | 800.8  | 826.4  | 864.9  | 912.0  | 956.9  | 978.3  | 998.6  |
| 25°    | 704.6  | 717.4  | 724.9  | 742.0  | 755.9  | 781.5  | 808.3  | 856.4  | 909.8  | 928.0  | 960.1  |
| 27.5°  | 672.5  | 680.0  | 692.8  | 700.3  | 716.3  | 739.8  | 764.4  | 800.8  | 853.2  | 884.2  | 915.2  |
| 30°    | 640.4  | 645.8  | 656.5  | 667.1  | 678.9  | 694.9  | 722.7  | 758.0  | 806.1  | 832.9  | 863.9  |
| 32.5°  | 608.3  | 616.9  | 623.3  | 630.8  | 643.6  | 662.9  | 682.1  | 716.3  | 754.8  | 784.7  | 815.8  |
| 35°    | 581.6  | 584.8  | 593.4  | 601.9  | 610.5  | 627.6  | 647.9  | 681.0  | 715.3  | 738.8  | 766.6  |
| 37.5°  | 552.7  | 558.1  | 564.5  | 567.7  | 581.6  | 592.3  | 613.7  | 639.3  | 680.0  | 694.9  | 722.7  |
| 40°    | 530.3  | 529.2  | 535.6  | 541.0  | 547.4  | 564.5  | 577.3  | 605.1  | 637.2  | 660.7  | 677.8  |
| 42.5°  | 502.5  | 502.5  | 504.6  | 511.0  | 519.6  | 530.3  | 545.3  | 568.8  | 601.9  | 619.0  | 639.3  |
| 45°    | 480.0  | 476.8  | 477.9  | 482.2  | 487.5  | 498.2  | 513.2  | 533.5  | 566.6  | 580.5  | 601.9  |
| 47.5°  | 453.3  | 450.1  | 450.1  | 454.4  | 458.7  | 466.1  | 477.9  | 501.4  | 528.2  | 546.3  | 562.4  |
| 50°    | 423.4  | 424.4  | 423.4  | 426.6  | 428.7  | 436.2  | 449.0  | 468.3  | 492.9  | 507.8  | 526.0  |
| 52.5°  | 395.6  | 393.4  | 392.4  | 394.5  | 398.8  | 404.1  | 418.0  | 435.1  | 458.7  | 473.6  | 489.7  |
| 55°    | 361.4  | 363.5  | 363.5  | 363.5  | 369.9  | 372.1  | 382.8  | 399.9  | 423.4  | 435.1  | 450.1  |
| 57.5°  | 330.4  | 329.3  | 331.4  | 330.4  | 335.7  | 343.2  | 351.7  | 364.6  | 388.1  | 399.9  | 413.8  |
| 60°    | 296.2  | 297.2  | 298.3  | 298.3  | 302.6  | 310.1  | 319.7  | 331.4  | 350.7  | 362.4  | 375.3  |
| 62.5°  | 254.5  | 259.8  | 265.1  | 267.3  | 273.7  | 279.0  | 285.5  | 298.3  | 315.4  | 323.9  | 335.7  |
| 65°    | 214.9  | 222.4  | 229.9  | 235.2  | 239.5  | 244.8  | 253.4  | 265.1  | 279.0  | 287.6  | 299.4  |
| 67.5°  | 180.7  | 186.0  | 195.7  | 201.0  | 209.6  | 216.0  | 221.3  | 230.9  | 248.0  | 251.2  | 260.9  |
| 70°    | 156.1  | 158.2  | 162.5  | 166.8  | 176.4  | 181.8  | 188.2  | 197.8  | 210.6  | 218.1  | 223.5  |
| 72.5°  | 131.5  | 132.6  | 134.7  | 139.0  | 143.3  | 149.7  | 157.2  | 165.7  | 177.5  | 180.7  | 188.2  |
| 75°    | 104.8  | 111.2  | 111.2  | 114.4  | 117.6  | 120.8  | 127.2  | 135.8  | 143.3  | 148.6  | 152.9  |
| 77.5°  | 78.0   | 81.3   | 83.4   | 88.7   | 93.0   | 96.2   | 100.5  | 106.9  | 111.2  | 115.5  | 118.7  |
| 80°    | 60.9   | 62.0   | 63.1   | 63.1   | 65.2   | 69.5   | 73.8   | 78.0   | 83.4   | 85.5   | 88.7   |
| 82.5°  | 44.9   | 44.9   | 44.9   | 47.0   | 48.1   | 49.2   | 49.2   | 51.3   | 56.7   | 58.8   | 62.0   |
| 85°    | 28.9   | 28.9   | 28.9   | 28.9   | 29.9   | 31.0   | 32.1   | 33.1   | 33.1   | 33.1   | 35.3   |
| 87.5°  | 11.8   | 13.9   | 12.8   | 13.9   | 13.9   | 13.9   | 13.9   | 15.0   | 15.0   | 16.0   | 16.0   |
| 90°    | 20.6   | 19.6   | 18.6   | 17.6   | 16.6   | 15.3   | 13.9   | 12.6   | 11.3   | 10.6   | 9.7    |
| 92.5°  | 19.9   | 18.9   | 17.9   | 16.9   | 15.9   | 14.5   | 13.2   | 11.8   | 10.5   | 9.8    | 10.0   |
| 95°    | 20.6   | 19.6   | 18.6   | 17.6   | 16.6   | 16.4   | 16.3   | 16.1   | 16.0   | 15.9   | 18.7   |
| 97.5°  | 20.0   | 19.1   | 18.3   | 17.4   | 16.6   | 34.2   | 51.8   | 69.5   | 87.1   | 95.9   | 94.1   |
| 100°   | 21.8   | 24.7   | 27.5   | 30.4   | 33.2   | 56.4   | 79.5   | 102.7  | 125.8  | 137.4  | 135.9  |
| 102.5° | 40.8   | 78.5   | 116.3  | 154.0  | 191.8  | 189.8  | 187.8  | 185.7  | 183.7  | 182.7  | 181.7  |
| 105°   | 241.6  | 240.1  | 238.6  | 237.1  | 235.6  | 234.8  | 233.9  | 233.1  | 232.2  | 231.8  | 231.3  |
| 107.5° | 287.3  | 286.4  | 285.6  | 284.7  | 283.9  | 282.7  | 281.5  | 280.4  | 279.2  | 278.6  | 278.4  |
| 110°   | 334.3  | 334.0  | 333.7  | 333.3  | 333.0  | 332.0  | 331.0  | 330.0  | 329.0  | 328.5  | 328.2  |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 379.9  | 380.1  | 380.2  | 380.4  | 380.6  | 380.3  | 379.9  | 379.6  | 379.3  | 379.1  | 378.6  |
| 115°   | 427.2  | 426.9  | 426.6  | 426.2  | 425.9  | 426.1  | 426.2  | 426.4  | 426.5  | 426.6  | 426.4  |
| 117.5° | 473.5  | 473.7  | 473.8  | 474.0  | 474.2  | 473.7  | 473.2  | 472.7  | 472.2  | 471.9  | 471.6  |
| 120°   | 517.8  | 517.5  | 517.2  | 516.8  | 516.5  | 516.7  | 516.8  | 517.0  | 517.1  | 517.2  | 516.9  |
| 122.5° | 560.2  | 560.0  | 559.9  | 559.7  | 559.5  | 559.2  | 558.8  | 558.5  | 558.2  | 558.0  | 557.8  |
| 125°   | 600.0  | 599.5  | 599.0  | 598.5  | 598.0  | 598.3  | 598.7  | 599.0  | 599.3  | 599.5  | 599.2  |
| 127.5° | 638.9  | 639.1  | 639.2  | 639.4  | 639.6  | 638.8  | 637.9  | 637.1  | 636.2  | 635.8  | 635.7  |
| 130°   | 675.7  | 675.5  | 675.4  | 675.2  | 675.0  | 674.5  | 674.0  | 673.5  | 673.0  | 672.8  | 672.7  |
| 132.5° | 711.2  | 711.0  | 710.9  | 710.7  | 710.5  | 709.8  | 709.2  | 708.5  | 707.8  | 707.5  | 707.3  |
| 135°   | 743.6  | 743.3  | 743.0  | 742.6  | 742.3  | 741.6  | 740.9  | 740.2  | 739.5  | 739.2  | 739.3  |
| 137.5° | 775.3  | 775.0  | 774.7  | 774.3  | 774.0  | 773.2  | 772.3  | 771.5  | 770.6  | 770.2  | 770.2  |
| 140°   | 804.7  | 804.2  | 803.7  | 803.2  | 802.7  | 802.3  | 802.0  | 801.6  | 801.3  | 801.1  | 800.9  |
| 142.5° | 831.2  | 830.9  | 830.5  | 830.2  | 829.8  | 829.6  | 829.5  | 829.3  | 829.2  | 829.1  | 828.8  |
| 145°   | 856.2  | 856.0  | 855.9  | 855.7  | 855.5  | 855.5  | 855.5  | 855.5  | 855.5  | 855.5  | 855.3  |
| 147.5° | 878.8  | 878.7  | 878.5  | 878.4  | 878.2  | 878.4  | 878.5  | 878.7  | 878.8  | 878.9  | 878.4  |
| 150°   | 900.1  | 900.1  | 900.1  | 900.1  | 900.1  | 900.3  | 900.4  | 900.6  | 900.7  | 900.8  | 900.5  |
| 152.5° | 919.5  | 919.2  | 918.9  | 918.5  | 918.2  | 918.5  | 918.9  | 919.2  | 919.5  | 919.7  | 919.4  |
| 155°   | 936.8  | 936.1  | 935.4  | 934.7  | 934.0  | 934.5  | 935.0  | 935.5  | 936.0  | 936.3  | 936.2  |
| 157.5° | 951.8  | 950.9  | 950.1  | 949.2  | 948.4  | 949.1  | 949.7  | 950.4  | 951.1  | 951.4  | 951.4  |
| 160°   | 966.0  | 965.0  | 964.0  | 963.0  | 962.0  | 962.2  | 962.3  | 962.5  | 962.6  | 962.7  | 963.0  |
| 162.5° | 977.3  | 976.3  | 975.3  | 974.3  | 973.3  | 973.5  | 973.7  | 973.8  | 974.0  | 974.1  | 974.4  |
| 165°   | 988.5  | 987.2  | 985.8  | 984.5  | 983.1  | 983.1  | 983.1  | 983.1  | 983.1  | 983.1  | 983.5  |
| 167.5° | 996.7  | 995.2  | 993.7  | 992.2  | 990.7  | 990.9  | 991.0  | 991.2  | 991.3  | 991.4  | 991.8  |
| 170°   | 1003.6 | 1002.3 | 1000.9 | 999.6  | 998.2  | 998.0  | 997.9  | 997.7  | 997.6  | 997.5  | 998.0  |
| 172.5° | 1008.1 | 1006.8 | 1005.5 | 1004.1 | 1002.8 | 1002.6 | 1002.4 | 1002.3 | 1002.1 | 1002.0 | 1002.5 |
| 175°   | 1011.8 | 1010.3 | 1008.8 | 1007.3 | 1005.8 | 1005.6 | 1005.4 | 1005.3 | 1005.1 | 1005.0 | 1005.5 |
| 177.5° | 1013.4 | 1012.1 | 1010.7 | 1009.4 | 1008.0 | 1007.7 | 1007.3 | 1007.0 | 1006.7 | 1006.5 | 1007.1 |
| 180°   | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 | 1009.6 |

TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1326.8 | 1326.8 | 1326.8 | 1326.8 |
| 2.5°   | 1296.9 | 1303.3 | 1314.0 | 1328.9 |
| 5°     | 1266.9 | 1285.1 | 1302.2 | 1324.7 |
| 7.5°   | 1240.2 | 1261.6 | 1285.1 | 1317.2 |
| 10°    | 1209.2 | 1235.9 | 1265.9 | 1305.4 |
| 12.5°  | 1172.8 | 1210.3 | 1244.5 | 1287.2 |
| 15°    | 1146.1 | 1173.9 | 1217.7 | 1268.0 |
| 17.5°  | 1108.7 | 1146.1 | 1190.0 | 1246.6 |
| 20°    | 1073.4 | 1113.0 | 1162.2 | 1221.0 |
| 22.5°  | 1036.0 | 1080.9 | 1130.1 | 1193.2 |
| 25°    | 997.5  | 1045.6 | 1094.8 | 1162.2 |
| 27.5°  | 962.2  | 1006.1 | 1061.7 | 1130.1 |
| 30°    | 919.5  | 969.7  | 1023.2 | 1094.8 |
| 32.5°  | 877.8  | 930.2  | 984.7  | 1056.3 |
| 35°    | 832.9  | 885.2  | 945.1  | 1013.5 |
| 37.5°  | 789.0  | 846.8  | 901.3  | 967.6  |
| 40°    | 740.9  | 800.8  | 857.4  | 924.8  |
| 42.5°  | 693.9  | 755.9  | 812.5  | 870.3  |
| 45°    | 650.0  | 711.0  | 762.3  | 816.8  |
| 47.5°  | 608.3  | 662.9  | 715.3  | 764.4  |
| 50°    | 567.7  | 613.7  | 661.8  | 702.4  |
| 52.5°  | 524.9  | 568.8  | 607.3  | 643.6  |
| 55°    | 486.5  | 520.7  | 554.9  | 588.0  |
| 57.5°  | 440.5  | 474.7  | 504.6  | 530.3  |
| 60°    | 402.0  | 423.4  | 452.2  | 479.0  |
| 62.5°  | 358.2  | 382.8  | 405.2  | 422.3  |
| 65°    | 315.4  | 336.8  | 353.9  | 368.9  |
| 67.5°  | 279.0  | 291.9  | 304.7  | 320.7  |
| 70°    | 235.2  | 245.9  | 260.9  | 272.6  |
| 72.5°  | 197.8  | 206.3  | 213.8  | 227.7  |
| 75°    | 160.4  | 167.9  | 172.1  | 185.0  |
| 77.5°  | 124.0  | 131.5  | 134.7  | 142.2  |
| 80°    | 95.2   | 96.2   | 100.5  | 106.9  |
| 82.5°  | 65.2   | 67.4   | 68.4   | 73.8   |
| 85°    | 37.4   | 42.8   | 41.7   | 43.8   |
| 87.5°  | 16.0   | 17.1   | 19.2   | 21.4   |
| 90°    | 7.8    | 6.0    | 4.1    | 2.3    |
| 92.5°  | 10.3   | 10.6   | 11.0   | 11.3   |
| 95°    | 24.4   | 30.1   | 35.8   | 41.5   |
| 97.5°  | 90.4   | 86.7   | 83.0   | 79.3   |
| 100°   | 132.9  | 129.8  | 126.8  | 123.8  |
| 102.5° | 179.7  | 177.7  | 175.7  | 173.7  |
| 105°   | 230.3  | 229.3  | 228.3  | 227.3  |
| 107.5° | 277.9  | 277.4  | 276.9  | 276.4  |
| 110°   | 327.7  | 327.2  | 326.7  | 326.2  |



TEST NUMBER: P1033081

CATALOG NUMBER: S124RDIW-B795D770UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 377.6  | 376.5  | 375.5  | 374.5  |
| 115°   | 425.9  | 425.4  | 424.9  | 424.4  |
| 117.5° | 470.9  | 470.2  | 469.6  | 468.9  |
| 120°   | 516.2  | 515.5  | 514.9  | 514.2  |
| 122.5° | 557.5  | 557.2  | 556.8  | 556.5  |
| 125°   | 598.5  | 597.8  | 597.2  | 596.5  |
| 127.5° | 635.5  | 635.4  | 635.2  | 635.0  |
| 130°   | 672.5  | 672.4  | 672.2  | 672.0  |
| 132.5° | 707.0  | 706.7  | 706.3  | 706.0  |
| 135°   | 739.5  | 739.6  | 739.8  | 740.0  |
| 137.5° | 770.2  | 770.2  | 770.2  | 770.2  |
| 140°   | 800.6  | 800.3  | 799.9  | 799.6  |
| 142.5° | 828.1  | 827.4  | 826.8  | 826.1  |
| 145°   | 854.8  | 854.3  | 853.8  | 853.3  |
| 147.5° | 877.4  | 876.4  | 875.4  | 874.4  |
| 150°   | 899.8  | 899.1  | 898.5  | 897.8  |
| 152.5° | 918.9  | 918.4  | 917.9  | 917.4  |
| 155°   | 936.1  | 935.9  | 935.8  | 935.6  |
| 157.5° | 951.4  | 951.4  | 951.4  | 951.4  |
| 160°   | 963.5  | 964.0  | 964.5  | 965.0  |
| 162.5° | 975.1  | 975.8  | 976.4  | 977.1  |
| 165°   | 984.4  | 985.2  | 986.1  | 986.9  |
| 167.5° | 992.7  | 993.5  | 994.4  | 995.2  |
| 170°   | 999.0  | 1000.0 | 1001.0 | 1002.0 |
| 172.5° | 1003.5 | 1004.5 | 1005.5 | 1006.5 |
| 175°   | 1006.5 | 1007.6 | 1008.6 | 1009.6 |
| 177.5° | 1008.3 | 1009.4 | 1010.6 | 1011.8 |
| 180°   | 1009.6 | 1009.6 | 1009.6 | 1009.6 |

(END OF REPORT)