

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: P1037353

Luminaire Tested: S123DS-B775DB2750-4F0-XX-W2A-A\_3000K

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1037353  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123DS-B775DB2750-4F0-XX-W2A-A\_3000K  
Description: Define 3 Direct Surface with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

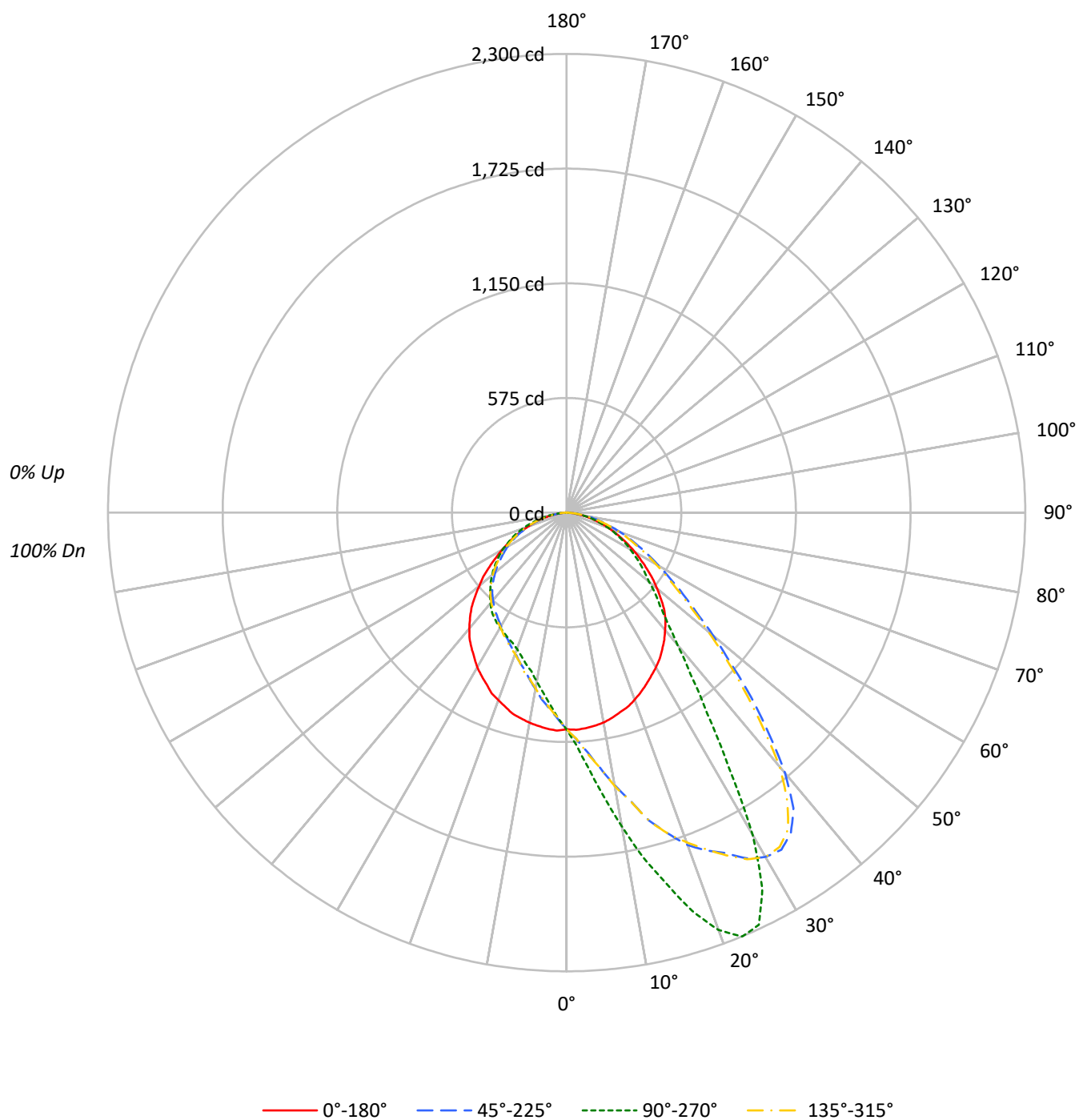
Lumens per Lamp: N/A  
Luminaire Lumens: 3279.0 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 35.9  
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: P1037353

CATALOG NUMBER: S123DS-B775DB2750-4F0-XX-W2A-A\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1037353

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

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |     |     |  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |  | 100 |
| 1   | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  |  | 95  | 92  | 90  |  | 91  | 89  | 87  |  | 85  |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  |  | 84  | 80  | 76  |  | 81  | 78  | 74  |  | 72  |
| 3   | 92  | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  |  | 75  | 69  | 65  |  | 72  | 68  | 64  |  | 62  |
| 4   | 84  | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 62  | 57  |  | 67  | 61  | 56  |  | 65  | 60  | 56  |  | 53  |
| 5   | 78  | 66  | 57  | 51  | 76  | 64  | 56  | 50  | 62  | 55  | 50  |  | 60  | 54  | 49  |  | 59  | 53  | 49  |  | 47  |
| 6   | 72  | 59  | 51  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 44  |  | 55  | 48  | 43  |  | 53  | 48  | 43  |  | 41  |
| 7   | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 52  | 44  | 39  |  | 50  | 44  | 39  |  | 49  | 43  | 38  |  | 36  |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  |  | 46  | 39  | 35  |  | 45  | 39  | 35  |  | 33  |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 43  | 36  | 32  |  | 42  | 36  | 31  |  | 41  | 36  | 31  |  | 29  |
| 10  | 55  | 42  | 34  | 29  | 53  | 41  | 34  | 29  | 40  | 33  | 29  |  | 39  | 33  | 29  |  | 38  | 33  | 28  |  | 27  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 11694 | 11694 | 11694 | 11694 |
| 5°  | 11728 | 13946 | 11761 | 10408 |
| 10° | 11679 | 17455 | 11691 | 9401  |
| 15° | 11544 | 21409 | 11637 | 8751  |
| 20° | 11432 | 25504 | 11456 | 8332  |
| 25° | 11253 | 27081 | 11278 | 8240  |
| 30° | 11135 | 23213 | 11135 | 8283  |
| 35° | 10984 | 16143 | 10914 | 8369  |
| 40° | 10798 | 12159 | 10665 | 8342  |
| 45° | 10561 | 10096 | 10257 | 8237  |
| 50° | 9925  | 9044  | 9572  | 8162  |
| 55° | 9226  | 8456  | 8850  | 8060  |
| 60° | 8521  | 7933  | 8069  | 7978  |
| 65° | 7748  | 7455  | 7373  | 7722  |
| 70° | 6958  | 6990  | 6493  | 7355  |
| 75° | 6084  | 6259  | 5693  | 6742  |
| 80° | 5027  | 5480  | 4630  | 5808  |
| 85° | 3903  | 4286  | 3125  | 3903  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 23574 cd/sqm

TEST NUMBER: P1037353

CATALOG NUMBER: S123DS-B775DB2750-4F0-XX-W2A-A\_3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 106.8  | 3.3       |
| 10°-20°   | 343.2  | 10.5      |
| 20°-30°   | 577.4  | 17.6      |
| 30°-40°   | 652.6  | 19.9      |
| 40°-50°   | 584.5  | 17.8      |
| 50°-60°   | 471.8  | 14.4      |
| 60°-70°   | 328.8  | 10.0      |
| 70°-80°   | 172.6  | 5.3       |
| 80°-90°   | 41.4   | 1.3       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 1027.5 | 31.3      |
| 0°-40°    | 1680.0 | 51.2      |
| 0°-60°    | 2736.3 | 83.4      |
| 0°-90°    | 3279.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3279.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1086 | 1086 | 1086 | 1086 | 1086 |      |
| 5°  | 1085 | 1291 | 1088 | 963  | 1085 | 103  |
| 15° | 1036 | 1921 | 1044 | 785  | 1036 | 293  |
| 25° | 948  | 2280 | 950  | 694  | 948  | 437  |
| 35° | 836  | 1228 | 831  | 637  | 836  | 523  |
| 45° | 694  | 663  | 674  | 541  | 694  | 531  |
| 55° | 492  | 451  | 472  | 430  | 492  | 440  |
| 65° | 304  | 293  | 290  | 303  | 304  | 303  |
| 75° | 146  | 150  | 137  | 162  | 146  | 157  |
| 85° | 32   | 35   | 25   | 32   | 32   | 39   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5°  | 1089.6 | 1098.0 | 1102.2 | 1108.5 | 1114.8 | 1124.3 | 1127.5 | 1132.7 | 1130.6 | 1134.8 | 1137.0 |
| 5°    | 1085.4 | 1100.1 | 1112.7 | 1128.5 | 1143.3 | 1153.8 | 1164.3 | 1181.2 | 1193.8 | 1195.9 | 1205.4 |
| 7.5°  | 1078.0 | 1099.1 | 1121.2 | 1143.3 | 1171.7 | 1188.5 | 1207.5 | 1230.6 | 1249.6 | 1280.1 | 1291.7 |
| 10°   | 1068.5 | 1098.0 | 1129.6 | 1160.1 | 1199.1 | 1225.4 | 1248.5 | 1287.5 | 1326.4 | 1358.0 | 1387.5 |
| 12.5° | 1053.8 | 1090.6 | 1131.7 | 1177.0 | 1227.5 | 1258.0 | 1289.6 | 1341.2 | 1400.1 | 1448.6 | 1480.1 |
| 15°   | 1035.9 | 1082.2 | 1134.8 | 1183.3 | 1239.1 | 1295.9 | 1329.6 | 1387.5 | 1471.7 | 1517.0 | 1598.1 |
| 17.5° | 1021.2 | 1068.5 | 1121.2 | 1197.0 | 1272.8 | 1329.6 | 1353.8 | 1460.1 | 1518.0 | 1593.8 | 1685.4 |
| 20°   | 998.0  | 1058.0 | 1125.4 | 1201.2 | 1299.1 | 1333.8 | 1383.3 | 1490.7 | 1562.3 | 1661.2 | 1773.9 |
| 22.5° | 973.8  | 1038.0 | 1119.1 | 1198.0 | 1307.5 | 1344.3 | 1411.7 | 1497.0 | 1610.7 | 1708.6 | 1832.8 |
| 25°   | 947.5  | 1016.9 | 1099.1 | 1192.7 | 1300.1 | 1353.8 | 1417.0 | 1522.3 | 1645.4 | 1768.6 | 1883.3 |
| 27.5° | 921.1  | 996.9  | 1082.2 | 1175.9 | 1280.1 | 1343.3 | 1406.5 | 1515.9 | 1673.8 | 1807.5 | 1953.9 |
| 30°   | 895.9  | 971.7  | 1056.9 | 1152.7 | 1262.2 | 1323.3 | 1383.3 | 1520.2 | 1696.0 | 1846.5 | 1993.9 |
| 32.5° | 868.5  | 946.4  | 1035.9 | 1115.9 | 1226.4 | 1291.7 | 1359.1 | 1520.2 | 1709.6 | 1869.7 | 2004.4 |
| 35°   | 835.9  | 915.9  | 992.7  | 1072.7 | 1182.2 | 1254.9 | 1330.7 | 1509.6 | 1722.3 | 1877.0 | 1960.2 |
| 37.5° | 804.3  | 874.8  | 941.1  | 1019.0 | 1133.8 | 1211.7 | 1299.1 | 1497.0 | 1716.0 | 1845.4 | 1868.6 |
| 40°   | 768.5  | 839.0  | 892.7  | 965.4  | 1086.4 | 1177.0 | 1265.4 | 1480.1 | 1688.6 | 1770.7 | 1703.3 |
| 42.5° | 733.8  | 789.6  | 835.9  | 906.4  | 1038.0 | 1126.4 | 1222.2 | 1449.6 | 1634.9 | 1651.7 | 1500.1 |
| 45°   | 693.8  | 733.8  | 774.8  | 854.8  | 985.4  | 1075.9 | 1182.2 | 1405.4 | 1548.6 | 1500.1 | 1308.6 |
| 47.5° | 642.2  | 678.0  | 723.2  | 796.9  | 929.6  | 1023.3 | 1124.3 | 1348.6 | 1423.3 | 1322.2 | 1112.7 |
| 50°   | 592.7  | 623.2  | 665.3  | 736.9  | 870.6  | 962.2  | 1069.6 | 1259.1 | 1295.9 | 1137.0 | 959.0  |
| 52.5° | 543.2  | 566.4  | 607.4  | 679.0  | 812.7  | 901.1  | 999.0  | 1167.5 | 1146.4 | 975.9  | 818.0  |
| 55°   | 491.6  | 511.6  | 550.6  | 621.1  | 745.3  | 829.6  | 923.2  | 1054.8 | 1000.1 | 838.0  | 711.6  |
| 57.5° | 441.1  | 462.2  | 502.2  | 561.1  | 678.0  | 760.1  | 834.8  | 938.0  | 855.9  | 726.4  | 614.8  |
| 60°   | 395.8  | 413.7  | 444.3  | 502.2  | 608.5  | 674.8  | 743.2  | 813.8  | 745.3  | 620.1  | 534.8  |
| 62.5° | 348.5  | 365.3  | 393.7  | 446.4  | 537.9  | 596.9  | 651.6  | 709.5  | 633.7  | 542.2  | 466.4  |
| 65°   | 304.2  | 317.9  | 344.2  | 392.7  | 467.4  | 515.8  | 560.1  | 600.1  | 539.0  | 454.8  | 397.9  |
| 67.5° | 264.2  | 275.8  | 297.9  | 341.1  | 404.3  | 439.0  | 474.8  | 508.5  | 456.9  | 389.5  | 341.1  |
| 70°   | 221.1  | 230.5  | 250.6  | 282.1  | 332.7  | 368.5  | 394.8  | 420.0  | 373.7  | 320.0  | 287.4  |
| 72.5° | 183.2  | 192.7  | 205.3  | 237.9  | 272.7  | 294.8  | 323.2  | 336.9  | 310.6  | 266.3  | 233.7  |
| 75°   | 146.3  | 153.7  | 165.3  | 186.3  | 219.0  | 233.7  | 251.6  | 262.1  | 237.9  | 208.4  | 188.4  |
| 77.5° | 114.7  | 117.9  | 126.3  | 141.1  | 163.2  | 180.0  | 193.7  | 200.0  | 183.2  | 164.2  | 147.4  |
| 80°   | 81.1   | 85.3   | 91.6   | 104.2  | 121.1  | 126.3  | 134.8  | 142.1  | 131.6  | 114.7  | 104.2  |
| 82.5° | 53.7   | 59.0   | 62.1   | 67.4   | 77.9   | 84.2   | 86.3   | 92.6   | 83.2   | 76.8   | 72.6   |
| 85°   | 31.6   | 33.7   | 34.7   | 37.9   | 43.2   | 46.3   | 49.5   | 50.5   | 48.4   | 47.4   | 43.2   |
| 87.5° | 15.8   | 15.8   | 15.8   | 17.9   | 18.9   | 21.1   | 22.1   | 22.1   | 22.1   | 21.1   | 20.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5°  | 1144.3 | 1146.4 | 1153.8 | 1159.1 | 1169.6 | 1168.5 | 1168.5 | 1167.5 | 1164.3 | 1169.6 | 1172.7 |
| 5°    | 1224.3 | 1242.2 | 1244.3 | 1267.5 | 1268.5 | 1278.0 | 1284.3 | 1279.1 | 1291.7 | 1290.7 | 1281.2 |
| 7.5°  | 1323.3 | 1347.5 | 1359.1 | 1381.2 | 1406.5 | 1400.1 | 1424.4 | 1428.6 | 1426.5 | 1437.0 | 1444.4 |
| 10°   | 1431.7 | 1473.8 | 1503.3 | 1544.4 | 1554.9 | 1561.2 | 1577.0 | 1590.7 | 1618.1 | 1597.0 | 1610.7 |
| 12.5° | 1555.9 | 1586.5 | 1625.4 | 1690.7 | 1723.3 | 1744.4 | 1751.8 | 1761.2 | 1780.2 | 1768.6 | 1769.6 |
| 15°   | 1660.2 | 1701.2 | 1767.5 | 1848.6 | 1858.1 | 1884.4 | 1878.1 | 1934.9 | 1962.3 | 1921.2 | 1944.4 |
| 17.5° | 1768.6 | 1823.3 | 1902.3 | 1972.8 | 2012.8 | 2030.7 | 2047.6 | 2102.3 | 2100.2 | 2093.9 | 2099.2 |
| 20°   | 1838.1 | 1927.6 | 2025.5 | 2119.2 | 2130.7 | 2144.4 | 2189.7 | 2212.9 | 2208.6 | 2226.5 | 2238.1 |
| 22.5° | 1936.0 | 2030.7 | 2134.9 | 2197.1 | 2223.4 | 2239.2 | 2275.0 | 2289.7 | 2296.0 | 2300.2 | 2292.9 |
| 25°   | 2018.1 | 2119.2 | 2196.0 | 2250.7 | 2266.5 | 2275.0 | 2286.5 | 2290.8 | 2287.6 | 2280.2 | 2286.5 |
| 27.5° | 2073.9 | 2155.0 | 2207.6 | 2232.9 | 2224.4 | 2210.7 | 2188.6 | 2173.9 | 2141.3 | 2125.5 | 2144.4 |
| 30°   | 2097.0 | 2132.8 | 2148.6 | 2106.5 | 2064.4 | 2030.7 | 1988.6 | 1910.7 | 1849.7 | 1867.6 | 1843.3 |
| 32.5° | 2060.2 | 2037.0 | 1961.2 | 1852.8 | 1820.2 | 1765.4 | 1646.5 | 1554.9 | 1558.0 | 1509.6 | 1529.6 |
| 35°   | 1951.8 | 1846.5 | 1703.3 | 1539.1 | 1495.9 | 1466.5 | 1335.9 | 1315.9 | 1273.8 | 1228.5 | 1241.2 |
| 37.5° | 1760.2 | 1606.5 | 1432.8 | 1311.7 | 1247.5 | 1183.3 | 1109.6 | 1065.4 | 1040.1 | 1021.2 | 1035.9 |
| 40°   | 1526.5 | 1339.1 | 1195.9 | 1087.5 | 1032.7 | 991.7  | 941.1  | 896.9  | 868.5  | 865.3  | 870.6  |
| 42.5° | 1297.0 | 1139.1 | 1007.5 | 904.3  | 886.4  | 838.0  | 805.3  | 770.6  | 762.2  | 748.5  | 755.9  |
| 45°   | 1098.0 | 969.6  | 861.1  | 776.9  | 755.9  | 743.2  | 703.2  | 681.1  | 671.6  | 663.2  | 675.9  |
| 47.5° | 953.8  | 819.0  | 740.1  | 689.5  | 668.5  | 647.4  | 625.3  | 610.6  | 603.2  | 604.3  | 603.2  |
| 50°   | 814.8  | 715.9  | 646.4  | 607.4  | 594.8  | 580.1  | 562.2  | 552.7  | 549.5  | 540.1  | 547.4  |
| 52.5° | 701.1  | 629.5  | 581.1  | 544.3  | 534.8  | 524.3  | 509.5  | 504.3  | 496.9  | 494.8  | 494.8  |
| 55°   | 609.5  | 553.7  | 514.8  | 490.6  | 479.0  | 470.6  | 462.2  | 455.8  | 450.6  | 450.6  | 450.6  |
| 57.5° | 537.9  | 489.5  | 461.1  | 440.0  | 435.8  | 427.4  | 417.9  | 417.9  | 410.6  | 409.5  | 412.7  |
| 60°   | 476.9  | 433.7  | 411.6  | 393.7  | 387.4  | 385.3  | 375.8  | 375.8  | 373.7  | 368.5  | 372.7  |
| 62.5° | 414.8  | 383.2  | 364.2  | 350.6  | 344.2  | 344.2  | 336.9  | 331.6  | 331.6  | 332.7  | 330.6  |
| 65°   | 357.9  | 334.8  | 317.9  | 307.4  | 304.2  | 300.0  | 299.0  | 294.8  | 291.6  | 292.7  | 291.6  |
| 67.5° | 307.4  | 289.5  | 277.9  | 269.5  | 264.2  | 262.1  | 259.0  | 259.0  | 256.9  | 257.9  | 252.7  |
| 70°   | 262.1  | 244.2  | 234.8  | 226.3  | 224.2  | 224.2  | 220.0  | 221.1  | 219.0  | 222.1  | 220.0  |
| 72.5° | 215.8  | 202.1  | 194.8  | 191.6  | 189.5  | 188.4  | 186.3  | 184.2  | 183.2  | 185.3  | 184.2  |
| 75°   | 174.8  | 163.2  | 157.9  | 155.8  | 153.7  | 153.7  | 152.6  | 151.6  | 150.5  | 150.5  | 150.5  |
| 77.5° | 135.8  | 128.4  | 122.1  | 124.2  | 121.1  | 122.1  | 119.0  | 119.0  | 120.0  | 119.0  | 119.0  |
| 80°   | 100.0  | 94.7   | 94.7   | 92.6   | 88.4   | 90.5   | 90.5   | 87.4   | 86.3   | 88.4   | 85.3   |
| 82.5° | 66.3   | 65.3   | 63.2   | 62.1   | 60.0   | 61.1   | 60.0   | 59.0   | 57.9   | 60.0   | 57.9   |
| 85°   | 39.0   | 39.0   | 37.9   | 35.8   | 37.9   | 36.8   | 35.8   | 35.8   | 34.7   | 34.7   | 34.7   |
| 87.5° | 20.0   | 17.9   | 17.9   | 16.8   | 17.9   | 15.8   | 16.8   | 15.8   | 14.7   | 15.8   | 14.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5°  | 1164.3 | 1167.5 | 1159.1 | 1157.0 | 1157.0 | 1161.2 | 1158.0 | 1129.6 | 1134.8 | 1128.5 | 1126.4 |
| 5°    | 1292.8 | 1286.4 | 1278.0 | 1273.8 | 1268.5 | 1253.8 | 1252.8 | 1220.1 | 1213.8 | 1192.7 | 1183.3 |
| 7.5°  | 1433.8 | 1428.6 | 1403.3 | 1400.1 | 1398.0 | 1384.3 | 1349.6 | 1314.9 | 1289.6 | 1265.4 | 1242.2 |
| 10°   | 1594.9 | 1579.1 | 1567.5 | 1544.4 | 1532.8 | 1513.8 | 1468.6 | 1435.9 | 1392.8 | 1355.9 | 1307.5 |
| 12.5° | 1788.6 | 1770.7 | 1731.8 | 1714.9 | 1700.2 | 1647.5 | 1602.3 | 1565.4 | 1481.2 | 1455.9 | 1395.9 |
| 15°   | 1930.7 | 1892.8 | 1888.6 | 1851.8 | 1849.7 | 1791.8 | 1705.4 | 1665.4 | 1600.2 | 1507.5 | 1445.4 |
| 17.5° | 2084.4 | 2050.7 | 2024.4 | 1980.2 | 1973.9 | 1919.1 | 1856.0 | 1758.1 | 1686.5 | 1598.1 | 1519.1 |
| 20°   | 2197.1 | 2179.2 | 2133.9 | 2116.0 | 2079.2 | 2032.8 | 1967.6 | 1846.5 | 1759.1 | 1670.7 | 1573.8 |
| 22.5° | 2286.5 | 2268.6 | 2232.9 | 2208.6 | 2187.6 | 2127.6 | 2049.7 | 1946.5 | 1826.5 | 1710.7 | 1610.7 |
| 25°   | 2285.5 | 2280.2 | 2265.5 | 2253.9 | 2238.1 | 2193.9 | 2128.6 | 2029.7 | 1896.0 | 1768.6 | 1629.6 |
| 27.5° | 2156.0 | 2170.7 | 2196.0 | 2208.6 | 2205.5 | 2199.2 | 2162.3 | 2079.2 | 1959.1 | 1807.5 | 1651.7 |
| 30°   | 1886.5 | 1940.2 | 1987.6 | 2050.7 | 2069.7 | 2116.0 | 2137.1 | 2089.7 | 1993.9 | 1852.8 | 1680.2 |
| 32.5° | 1564.4 | 1642.3 | 1745.4 | 1780.2 | 1840.2 | 1929.7 | 2029.7 | 2047.6 | 1987.6 | 1879.1 | 1698.1 |
| 35°   | 1283.3 | 1347.5 | 1427.5 | 1482.3 | 1535.9 | 1681.2 | 1807.5 | 1917.0 | 1937.0 | 1865.4 | 1693.9 |
| 37.5° | 1062.2 | 1107.5 | 1178.0 | 1224.3 | 1273.8 | 1398.0 | 1574.9 | 1717.0 | 1817.0 | 1819.1 | 1682.3 |
| 40°   | 902.2  | 922.2  | 983.3  | 1016.9 | 1064.3 | 1171.7 | 1329.6 | 1514.9 | 1661.2 | 1728.6 | 1651.7 |
| 42.5° | 764.3  | 790.6  | 841.1  | 866.4  | 896.9  | 990.6  | 1094.8 | 1270.7 | 1451.7 | 1595.9 | 1594.9 |
| 45°   | 682.2  | 701.1  | 724.3  | 745.3  | 780.1  | 835.9  | 954.8  | 1086.4 | 1260.1 | 1423.3 | 1487.5 |
| 47.5° | 609.5  | 627.4  | 650.6  | 656.9  | 680.1  | 732.7  | 805.3  | 920.1  | 1082.2 | 1244.3 | 1365.4 |
| 50°   | 548.5  | 563.2  | 579.0  | 590.6  | 601.1  | 644.3  | 699.0  | 795.9  | 925.4  | 1082.2 | 1232.8 |
| 52.5° | 501.1  | 511.6  | 525.3  | 531.6  | 541.1  | 572.7  | 614.8  | 686.4  | 792.7  | 935.9  | 1082.2 |
| 55°   | 456.9  | 464.3  | 472.7  | 483.2  | 487.4  | 510.6  | 543.2  | 604.3  | 683.2  | 811.7  | 950.6  |
| 57.5° | 415.8  | 419.0  | 424.3  | 430.6  | 435.8  | 455.8  | 484.3  | 525.3  | 594.8  | 693.8  | 825.3  |
| 60°   | 369.5  | 377.9  | 381.1  | 387.4  | 390.6  | 406.4  | 428.5  | 463.2  | 516.9  | 602.2  | 701.1  |
| 62.5° | 330.6  | 335.8  | 341.1  | 344.2  | 351.6  | 356.9  | 374.8  | 406.4  | 450.6  | 513.7  | 603.2  |
| 65°   | 295.8  | 297.9  | 301.1  | 304.2  | 306.3  | 312.7  | 329.5  | 350.6  | 384.2  | 440.0  | 509.5  |
| 67.5° | 255.8  | 257.9  | 262.1  | 263.2  | 265.3  | 273.7  | 283.2  | 301.1  | 329.5  | 371.6  | 428.5  |
| 70°   | 216.9  | 220.0  | 222.1  | 224.2  | 227.4  | 230.5  | 241.1  | 255.8  | 277.9  | 307.4  | 351.6  |
| 72.5° | 183.2  | 186.3  | 186.3  | 188.4  | 187.4  | 191.6  | 202.1  | 212.7  | 227.4  | 251.6  | 290.6  |
| 75°   | 149.5  | 149.5  | 151.6  | 152.6  | 153.7  | 157.9  | 162.1  | 170.5  | 182.1  | 201.1  | 225.3  |
| 77.5° | 117.9  | 116.9  | 119.0  | 119.0  | 119.0  | 122.1  | 126.3  | 130.5  | 137.9  | 151.6  | 170.5  |
| 80°   | 86.3   | 86.3   | 88.4   | 89.5   | 87.4   | 88.4   | 90.5   | 94.7   | 100.0  | 109.5  | 120.0  |
| 82.5° | 56.8   | 61.1   | 60.0   | 61.1   | 60.0   | 62.1   | 63.2   | 64.2   | 66.3   | 70.5   | 77.9   |
| 85°   | 34.7   | 34.7   | 34.7   | 35.8   | 34.7   | 35.8   | 35.8   | 35.8   | 36.8   | 39.0   | 42.1   |
| 87.5° | 14.7   | 14.7   | 14.7   | 15.8   | 14.7   | 14.7   | 15.8   | 14.7   | 15.8   | 15.8   | 16.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5°  | 1115.9 | 1112.7 | 1112.7 | 1110.6 | 1104.3 | 1092.7 | 1091.7 | 1093.8 | 1087.5 | 1081.2 | 1071.7 |
| 5°    | 1170.6 | 1150.6 | 1144.3 | 1138.0 | 1125.4 | 1104.3 | 1095.9 | 1088.5 | 1076.9 | 1063.3 | 1048.5 |
| 7.5°  | 1217.0 | 1188.5 | 1180.1 | 1168.5 | 1143.3 | 1113.8 | 1094.8 | 1079.1 | 1063.3 | 1044.3 | 1026.4 |
| 10°   | 1274.9 | 1233.8 | 1213.8 | 1197.0 | 1162.2 | 1121.2 | 1092.7 | 1069.6 | 1044.3 | 1021.2 | 998.0  |
| 12.5° | 1340.1 | 1273.8 | 1267.5 | 1226.4 | 1186.4 | 1125.4 | 1090.6 | 1056.9 | 1023.3 | 994.8  | 970.6  |
| 15°   | 1394.9 | 1322.2 | 1295.9 | 1268.5 | 1191.7 | 1115.9 | 1082.2 | 1044.3 | 1005.4 | 974.8  | 939.0  |
| 17.5° | 1429.6 | 1369.6 | 1313.8 | 1277.0 | 1197.0 | 1129.6 | 1064.3 | 1021.2 | 980.1  | 938.0  | 908.5  |
| 20°   | 1471.7 | 1384.3 | 1335.9 | 1286.4 | 1207.5 | 1119.1 | 1053.8 | 1000.1 | 949.6  | 911.7  | 875.9  |
| 22.5° | 1513.8 | 1395.9 | 1355.9 | 1302.2 | 1209.6 | 1108.5 | 1034.8 | 981.1  | 923.2  | 885.4  | 846.4  |
| 25°   | 1509.6 | 1412.8 | 1346.4 | 1301.2 | 1188.5 | 1099.1 | 1012.7 | 949.6  | 895.9  | 847.5  | 808.5  |
| 27.5° | 1512.8 | 1393.8 | 1326.4 | 1273.8 | 1173.8 | 1085.4 | 989.6  | 923.2  | 867.5  | 816.9  | 775.9  |
| 30°   | 1513.8 | 1365.4 | 1306.4 | 1243.3 | 1146.4 | 1052.7 | 963.3  | 895.9  | 836.9  | 782.2  | 745.3  |
| 32.5° | 1510.7 | 1342.2 | 1268.5 | 1211.7 | 1103.3 | 1021.2 | 932.7  | 861.1  | 801.1  | 750.6  | 715.9  |
| 35°   | 1503.3 | 1314.9 | 1229.6 | 1158.0 | 1059.1 | 975.9  | 904.3  | 830.6  | 766.4  | 720.1  | 680.1  |
| 37.5° | 1483.3 | 1285.4 | 1188.5 | 1118.0 | 1007.5 | 923.2  | 860.1  | 799.0  | 736.9  | 682.2  | 648.5  |
| 40°   | 1468.6 | 1245.4 | 1147.5 | 1070.6 | 951.7  | 869.6  | 816.9  | 759.0  | 698.0  | 648.5  | 615.9  |
| 42.5° | 1434.9 | 1207.5 | 1105.4 | 1013.8 | 896.9  | 812.7  | 763.2  | 716.9  | 664.3  | 615.9  | 586.4  |
| 45°   | 1380.1 | 1166.4 | 1053.8 | 961.1  | 836.9  | 756.9  | 711.6  | 673.8  | 627.4  | 581.1  | 551.6  |
| 47.5° | 1303.3 | 1107.5 | 999.0  | 906.4  | 778.0  | 696.9  | 651.6  | 623.2  | 586.4  | 547.4  | 522.2  |
| 50°   | 1220.1 | 1043.3 | 943.3  | 851.7  | 721.1  | 642.2  | 598.0  | 571.6  | 547.4  | 511.6  | 487.4  |
| 52.5° | 1111.7 | 974.8  | 879.0  | 791.7  | 660.1  | 584.3  | 545.3  | 526.4  | 501.1  | 475.8  | 454.8  |
| 55°   | 1006.4 | 886.4  | 807.4  | 724.3  | 600.1  | 529.5  | 491.6  | 471.6  | 456.9  | 435.8  | 419.0  |
| 57.5° | 884.3  | 804.3  | 731.7  | 655.9  | 544.3  | 480.0  | 444.3  | 420.0  | 410.6  | 401.1  | 385.3  |
| 60°   | 771.7  | 710.6  | 651.6  | 588.5  | 486.4  | 428.5  | 393.7  | 374.8  | 365.3  | 359.0  | 348.5  |
| 62.5° | 668.5  | 621.1  | 570.6  | 520.1  | 427.4  | 374.8  | 348.5  | 329.5  | 321.1  | 320.0  | 310.6  |
| 65°   | 569.5  | 535.8  | 494.8  | 445.3  | 372.7  | 326.3  | 301.1  | 289.5  | 280.0  | 280.0  | 272.7  |
| 67.5° | 470.6  | 447.4  | 414.8  | 380.0  | 323.2  | 280.0  | 256.9  | 246.3  | 241.1  | 241.1  | 235.8  |
| 70°   | 391.6  | 375.8  | 346.4  | 315.8  | 266.3  | 233.7  | 215.8  | 206.3  | 203.2  | 204.2  | 200.0  |
| 72.5° | 317.9  | 301.1  | 276.9  | 254.8  | 217.9  | 193.7  | 181.1  | 170.5  | 165.3  | 166.3  | 165.3  |
| 75°   | 246.3  | 237.9  | 216.9  | 200.0  | 170.5  | 153.7  | 142.1  | 136.9  | 132.6  | 133.7  | 131.6  |
| 77.5° | 185.3  | 172.6  | 161.1  | 149.5  | 131.6  | 117.9  | 108.4  | 103.2  | 100.0  | 100.0  | 100.0  |
| 80°   | 126.3  | 124.2  | 114.7  | 108.4  | 93.7   | 83.2   | 75.8   | 74.7   | 71.6   | 71.6   | 71.6   |
| 82.5° | 82.1   | 76.8   | 71.6   | 67.4   | 59.0   | 52.6   | 49.5   | 47.4   | 46.3   | 45.3   | 47.4   |
| 85°   | 45.3   | 42.1   | 40.0   | 35.8   | 32.6   | 29.5   | 26.3   | 25.3   | 24.2   | 25.3   | 24.2   |
| 87.5° | 17.9   | 14.7   | 14.7   | 13.7   | 12.6   | 11.6   | 11.6   | 9.5    | 9.5    | 8.4    | 8.4    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1037353

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**CANDELA DISTRIBUTION (continued):**

|       | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5°  | 1069.6 | 1068.5 | 1070.6 | 1064.3 | 1053.8 | 1048.5 | 1033.8 | 1030.6 | 1029.6 | 1030.6 | 1031.7 |
| 5°    | 1040.1 | 1039.1 | 1035.9 | 1025.4 | 1012.7 | 1003.3 | 985.4  | 984.3  | 978.0  | 971.7  | 974.8  |
| 7.5°  | 1011.7 | 1007.5 | 1001.2 | 987.5  | 970.6  | 960.1  | 945.4  | 934.8  | 926.4  | 921.1  | 916.9  |
| 10°   | 983.3  | 976.9  | 970.6  | 952.7  | 931.7  | 915.9  | 898.0  | 889.6  | 880.1  | 875.9  | 871.7  |
| 12.5° | 946.4  | 940.1  | 928.5  | 907.5  | 894.8  | 874.8  | 856.9  | 848.5  | 843.2  | 834.8  | 829.6  |
| 15°   | 916.9  | 904.3  | 898.0  | 875.9  | 849.6  | 847.5  | 814.8  | 812.7  | 802.2  | 802.2  | 793.8  |
| 17.5° | 883.2  | 873.8  | 862.2  | 840.1  | 821.1  | 802.2  | 785.3  | 779.0  | 769.5  | 767.4  | 763.2  |
| 20°   | 850.6  | 838.0  | 833.8  | 811.7  | 791.7  | 768.5  | 750.6  | 744.3  | 740.1  | 735.9  | 739.0  |
| 22.5° | 816.9  | 806.4  | 795.9  | 775.9  | 761.1  | 738.0  | 727.4  | 721.1  | 714.8  | 712.7  | 713.8  |
| 25°   | 784.3  | 774.8  | 764.3  | 744.3  | 728.5  | 709.5  | 700.1  | 696.9  | 693.8  | 693.8  | 692.7  |
| 27.5° | 752.7  | 743.2  | 733.8  | 715.9  | 700.1  | 686.4  | 679.0  | 675.9  | 672.7  | 674.8  | 676.9  |
| 30°   | 720.1  | 711.6  | 703.2  | 687.4  | 674.8  | 662.2  | 658.0  | 655.9  | 654.8  | 660.1  | 660.1  |
| 32.5° | 690.6  | 683.2  | 676.9  | 662.2  | 649.5  | 639.0  | 635.9  | 636.9  | 638.0  | 641.1  | 643.2  |
| 35°   | 660.1  | 654.8  | 648.5  | 635.9  | 625.3  | 615.9  | 616.9  | 616.9  | 619.0  | 624.3  | 628.5  |
| 37.5° | 632.7  | 625.3  | 620.1  | 609.5  | 601.1  | 592.7  | 595.8  | 599.0  | 601.1  | 607.4  | 609.5  |
| 40°   | 600.1  | 596.9  | 592.7  | 582.2  | 574.8  | 573.7  | 574.8  | 576.9  | 581.1  | 584.3  | 587.4  |
| 42.5° | 573.7  | 569.5  | 564.3  | 555.8  | 549.5  | 550.6  | 551.6  | 553.7  | 555.8  | 561.1  | 564.3  |
| 45°   | 544.3  | 541.1  | 536.9  | 529.5  | 524.3  | 525.3  | 526.4  | 526.4  | 528.5  | 534.8  | 536.9  |
| 47.5° | 511.6  | 512.7  | 507.4  | 500.0  | 496.9  | 496.9  | 496.9  | 499.0  | 504.3  | 506.4  | 507.4  |
| 50°   | 480.0  | 477.9  | 476.9  | 469.5  | 467.4  | 466.4  | 467.4  | 468.5  | 475.8  | 474.8  | 477.9  |
| 52.5° | 446.4  | 446.4  | 445.3  | 441.1  | 437.9  | 437.9  | 435.8  | 441.1  | 443.2  | 445.3  | 448.5  |
| 55°   | 413.7  | 410.6  | 409.5  | 407.4  | 403.2  | 402.1  | 404.3  | 410.6  | 412.7  | 414.8  | 417.9  |
| 57.5° | 377.9  | 377.9  | 375.8  | 372.7  | 372.7  | 372.7  | 372.7  | 376.9  | 380.0  | 382.1  | 388.5  |
| 60°   | 345.3  | 341.1  | 337.9  | 337.9  | 337.9  | 336.9  | 343.2  | 343.2  | 349.5  | 350.6  | 352.7  |
| 62.5° | 306.3  | 304.2  | 302.1  | 303.2  | 302.1  | 304.2  | 306.3  | 310.6  | 311.6  | 314.8  | 317.9  |
| 65°   | 269.5  | 269.5  | 267.4  | 273.7  | 269.5  | 269.5  | 274.8  | 274.8  | 276.9  | 280.0  | 284.2  |
| 67.5° | 233.7  | 234.8  | 232.7  | 232.7  | 234.8  | 235.8  | 236.9  | 241.1  | 242.1  | 246.3  | 251.6  |
| 70°   | 196.9  | 199.0  | 200.0  | 197.9  | 200.0  | 202.1  | 204.2  | 205.3  | 209.5  | 211.6  | 214.8  |
| 72.5° | 164.2  | 166.3  | 163.2  | 164.2  | 165.3  | 167.4  | 168.4  | 170.5  | 172.6  | 179.0  | 181.1  |
| 75°   | 131.6  | 130.5  | 129.5  | 133.7  | 131.6  | 135.8  | 136.9  | 136.9  | 139.0  | 144.2  | 146.3  |
| 77.5° | 101.1  | 101.1  | 102.1  | 100.0  | 103.2  | 102.1  | 103.2  | 106.3  | 109.5  | 109.5  | 117.9  |
| 80°   | 70.5   | 72.6   | 72.6   | 72.6   | 73.7   | 74.7   | 72.6   | 77.9   | 79.0   | 79.0   | 82.1   |
| 82.5° | 45.3   | 46.3   | 45.3   | 47.4   | 47.4   | 49.5   | 48.4   | 49.5   | 51.6   | 53.7   | 54.7   |
| 85°   | 24.2   | 24.2   | 26.3   | 26.3   | 25.3   | 26.3   | 25.3   | 26.3   | 28.4   | 28.4   | 29.5   |
| 87.5° | 8.4    | 8.4    | 8.4    | 8.4    | 9.5    | 8.4    | 9.5    | 9.5    | 8.4    | 8.4    | 11.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5°  | 1030.6 | 1031.7 | 1027.5 | 1024.3 | 1032.7 | 1027.5 | 1027.5 | 1028.5 | 1026.4 | 1029.6 | 1028.5 |
| 5°    | 972.7  | 973.8  | 966.4  | 968.5  | 964.3  | 963.3  | 962.2  | 968.5  | 967.5  | 966.4  | 968.5  |
| 7.5°  | 915.9  | 915.9  | 912.7  | 910.6  | 910.6  | 907.5  | 911.7  | 910.6  | 912.7  | 912.7  | 915.9  |
| 10°   | 868.5  | 870.6  | 865.3  | 860.1  | 859.0  | 860.1  | 860.1  | 861.1  | 862.2  | 869.6  | 868.5  |
| 12.5° | 829.6  | 826.4  | 825.3  | 822.2  | 816.9  | 814.8  | 812.7  | 824.3  | 821.1  | 821.1  | 821.1  |
| 15°   | 786.4  | 793.8  | 792.7  | 783.2  | 781.1  | 785.3  | 783.2  | 783.2  | 793.8  | 792.7  | 791.7  |
| 17.5° | 763.2  | 761.1  | 759.0  | 753.8  | 754.8  | 753.8  | 754.8  | 754.8  | 761.1  | 761.1  | 761.1  |
| 20°   | 736.9  | 732.7  | 732.7  | 730.6  | 730.6  | 727.4  | 731.7  | 732.7  | 736.9  | 736.9  | 738.0  |
| 22.5° | 713.8  | 710.6  | 710.6  | 709.5  | 711.6  | 707.4  | 711.6  | 712.7  | 712.7  | 715.9  | 715.9  |
| 25°   | 693.8  | 691.6  | 691.6  | 693.8  | 693.8  | 693.8  | 693.8  | 698.0  | 694.8  | 695.9  | 694.8  |
| 27.5° | 675.9  | 676.9  | 678.0  | 679.0  | 678.0  | 679.0  | 680.1  | 682.2  | 683.2  | 682.2  | 680.1  |
| 30°   | 659.0  | 662.2  | 663.2  | 663.2  | 665.3  | 666.4  | 667.4  | 667.4  | 668.5  | 665.3  | 667.4  |
| 32.5° | 646.4  | 646.4  | 648.5  | 649.5  | 651.6  | 652.7  | 652.7  | 654.8  | 653.7  | 650.6  | 651.6  |
| 35°   | 628.5  | 628.5  | 632.7  | 634.8  | 638.0  | 636.9  | 638.0  | 638.0  | 639.0  | 636.9  | 633.7  |
| 37.5° | 610.6  | 612.7  | 612.7  | 616.9  | 618.0  | 619.0  | 618.0  | 620.1  | 619.0  | 616.9  | 615.9  |
| 40°   | 589.5  | 588.5  | 589.5  | 592.7  | 593.7  | 593.7  | 593.7  | 595.8  | 595.8  | 595.8  | 594.8  |
| 42.5° | 563.2  | 566.4  | 565.3  | 568.5  | 567.4  | 567.4  | 569.5  | 571.6  | 572.7  | 569.5  | 570.6  |
| 45°   | 537.9  | 537.9  | 540.1  | 540.1  | 541.1  | 541.1  | 545.3  | 543.2  | 545.3  | 543.2  | 544.3  |
| 47.5° | 510.6  | 511.6  | 511.6  | 512.7  | 514.8  | 516.9  | 514.8  | 515.8  | 515.8  | 516.9  | 514.8  |
| 50°   | 480.0  | 480.0  | 482.2  | 485.3  | 489.5  | 487.4  | 486.4  | 490.6  | 487.4  | 487.4  | 485.3  |
| 52.5° | 448.5  | 451.6  | 452.7  | 455.8  | 459.0  | 460.0  | 461.1  | 459.0  | 460.0  | 456.9  | 457.9  |
| 55°   | 417.9  | 419.0  | 423.2  | 426.4  | 429.5  | 429.5  | 428.5  | 429.5  | 430.6  | 426.4  | 426.4  |
| 57.5° | 387.4  | 390.6  | 394.8  | 394.8  | 399.0  | 399.0  | 397.9  | 397.9  | 399.0  | 395.8  | 394.8  |
| 60°   | 354.8  | 357.9  | 363.2  | 363.2  | 369.5  | 370.6  | 368.5  | 366.4  | 366.4  | 363.2  | 364.2  |
| 62.5° | 320.0  | 323.2  | 326.3  | 331.6  | 335.8  | 333.7  | 337.9  | 333.7  | 334.8  | 328.5  | 328.5  |
| 65°   | 289.5  | 290.6  | 295.8  | 301.1  | 301.1  | 303.2  | 301.1  | 302.1  | 299.0  | 299.0  | 294.8  |
| 67.5° | 253.7  | 253.7  | 259.0  | 264.2  | 269.5  | 269.5  | 269.5  | 266.3  | 266.3  | 263.2  | 263.2  |
| 70°   | 222.1  | 221.1  | 226.3  | 229.5  | 232.7  | 233.7  | 231.6  | 230.5  | 228.4  | 225.3  | 224.2  |
| 72.5° | 183.2  | 185.3  | 190.5  | 192.7  | 197.9  | 196.9  | 202.1  | 195.8  | 195.8  | 190.5  | 189.5  |
| 75°   | 148.4  | 150.5  | 155.8  | 159.0  | 162.1  | 162.1  | 165.3  | 162.1  | 157.9  | 155.8  | 154.8  |
| 77.5° | 117.9  | 116.9  | 121.1  | 126.3  | 127.4  | 126.3  | 128.4  | 127.4  | 123.2  | 123.2  | 121.1  |
| 80°   | 84.2   | 87.4   | 91.6   | 90.5   | 94.7   | 93.7   | 93.7   | 91.6   | 91.6   | 88.4   | 90.5   |
| 82.5° | 55.8   | 59.0   | 60.0   | 59.0   | 60.0   | 62.1   | 63.2   | 62.1   | 62.1   | 60.0   | 61.1   |
| 85°   | 29.5   | 29.5   | 31.6   | 32.6   | 31.6   | 31.6   | 32.6   | 35.8   | 33.7   | 31.6   | 33.7   |
| 87.5° | 9.5    | 8.4    | 8.4    | 9.5    | 8.4    | 8.4    | 9.5    | 9.5    | 10.5   | 10.5   | 10.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1037353

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**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5°  | 1031.7 | 1033.8 | 1034.8 | 1030.6 | 1027.5 | 1032.7 | 1040.1 | 1045.4 | 1049.6 | 1054.8 | 1058.0 |
| 5°    | 970.6  | 978.0  | 978.0  | 980.1  | 983.3  | 988.5  | 1002.2 | 1011.7 | 1020.1 | 1026.4 | 1031.7 |
| 7.5°  | 919.0  | 924.3  | 927.5  | 932.7  | 938.0  | 945.4  | 961.1  | 974.8  | 987.5  | 994.8  | 1003.3 |
| 10°   | 872.7  | 876.9  | 882.2  | 885.4  | 894.8  | 905.4  | 925.4  | 936.9  | 951.7  | 963.3  | 973.8  |
| 12.5° | 828.5  | 843.2  | 846.4  | 845.3  | 853.8  | 865.3  | 885.4  | 903.2  | 919.0  | 930.6  | 942.2  |
| 15°   | 796.9  | 802.2  | 808.5  | 807.4  | 825.3  | 828.5  | 845.3  | 866.4  | 887.5  | 894.8  | 905.4  |
| 17.5° | 762.2  | 770.6  | 776.9  | 780.1  | 785.3  | 796.9  | 812.7  | 828.5  | 855.9  | 856.9  | 884.3  |
| 20°   | 734.8  | 743.2  | 747.4  | 751.7  | 754.8  | 768.5  | 782.2  | 800.1  | 822.2  | 833.8  | 848.5  |
| 22.5° | 716.9  | 721.1  | 724.3  | 727.4  | 731.7  | 739.0  | 755.9  | 775.9  | 790.6  | 803.2  | 812.7  |
| 25°   | 695.9  | 700.1  | 704.3  | 706.4  | 709.5  | 713.8  | 726.4  | 742.2  | 763.2  | 771.7  | 781.1  |
| 27.5° | 681.1  | 681.1  | 683.2  | 683.2  | 687.4  | 691.6  | 701.1  | 715.9  | 732.7  | 743.2  | 755.9  |
| 30°   | 665.3  | 664.3  | 665.3  | 664.3  | 663.2  | 669.5  | 678.0  | 690.6  | 702.2  | 714.8  | 723.2  |
| 32.5° | 649.5  | 648.5  | 648.5  | 649.5  | 645.3  | 648.5  | 652.7  | 664.3  | 676.9  | 683.2  | 692.7  |
| 35°   | 632.7  | 630.6  | 630.6  | 630.6  | 628.5  | 626.4  | 630.6  | 641.1  | 649.5  | 658.0  | 665.3  |
| 37.5° | 615.9  | 612.7  | 612.7  | 610.6  | 608.5  | 605.3  | 605.3  | 613.7  | 625.3  | 628.5  | 638.0  |
| 40°   | 592.7  | 592.7  | 590.6  | 589.5  | 587.4  | 585.3  | 582.2  | 589.5  | 600.1  | 603.2  | 610.6  |
| 42.5° | 569.5  | 566.4  | 565.3  | 565.3  | 565.3  | 562.2  | 560.1  | 565.3  | 571.6  | 576.9  | 581.1  |
| 45°   | 543.2  | 541.1  | 542.2  | 541.1  | 539.0  | 537.9  | 536.9  | 539.0  | 546.4  | 548.5  | 553.7  |
| 47.5° | 514.8  | 513.7  | 513.7  | 512.7  | 511.6  | 512.7  | 508.5  | 513.7  | 515.8  | 517.9  | 522.2  |
| 50°   | 485.3  | 484.3  | 483.2  | 482.2  | 482.2  | 483.2  | 482.2  | 482.2  | 486.4  | 488.5  | 492.7  |
| 52.5° | 455.8  | 452.7  | 452.7  | 451.6  | 451.6  | 449.5  | 451.6  | 452.7  | 454.8  | 456.9  | 459.0  |
| 55°   | 424.3  | 424.3  | 421.1  | 421.1  | 419.0  | 419.0  | 420.0  | 419.0  | 423.2  | 425.3  | 425.3  |
| 57.5° | 393.7  | 389.5  | 390.6  | 388.5  | 386.4  | 385.3  | 385.3  | 387.4  | 389.5  | 389.5  | 391.6  |
| 60°   | 361.1  | 356.9  | 355.8  | 351.6  | 353.7  | 350.6  | 351.6  | 351.6  | 355.8  | 353.7  | 355.8  |
| 62.5° | 328.5  | 323.2  | 320.0  | 317.9  | 317.9  | 319.0  | 316.9  | 315.8  | 317.9  | 320.0  | 324.2  |
| 65°   | 293.7  | 290.6  | 287.4  | 284.2  | 284.2  | 283.2  | 285.3  | 282.1  | 281.1  | 282.1  | 284.2  |
| 67.5° | 257.9  | 254.8  | 251.6  | 248.4  | 249.5  | 246.3  | 244.2  | 247.4  | 245.3  | 246.3  | 248.4  |
| 70°   | 223.2  | 221.1  | 214.8  | 212.7  | 211.6  | 212.7  | 211.6  | 209.5  | 212.7  | 211.6  | 212.7  |
| 72.5° | 188.4  | 186.3  | 183.2  | 177.9  | 177.9  | 176.9  | 175.8  | 175.8  | 174.8  | 174.8  | 174.8  |
| 75°   | 154.8  | 150.5  | 147.4  | 146.3  | 144.2  | 143.2  | 142.1  | 140.0  | 141.1  | 142.1  | 140.0  |
| 77.5° | 120.0  | 114.7  | 113.7  | 113.7  | 110.5  | 110.5  | 111.6  | 110.5  | 109.5  | 109.5  | 109.5  |
| 80°   | 88.4   | 84.2   | 84.2   | 82.1   | 80.0   | 80.0   | 80.0   | 80.0   | 79.0   | 77.9   | 79.0   |
| 82.5° | 56.8   | 55.8   | 54.7   | 54.7   | 56.8   | 52.6   | 54.7   | 53.7   | 52.6   | 52.6   | 51.6   |
| 85°   | 31.6   | 32.6   | 31.6   | 32.6   | 30.5   | 31.6   | 31.6   | 31.6   | 30.5   | 31.6   | 29.5   |
| 87.5° | 11.6   | 11.6   | 11.6   | 12.6   | 12.6   | 12.6   | 12.6   | 12.6   | 13.7   | 12.6   | 12.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1037353

CATALOG NUMBER: S123DS-B775DB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5°  | 1063.3 | 1066.4 | 1076.9 | 1089.6 |
| 5°    | 1042.2 | 1050.6 | 1065.4 | 1085.4 |
| 7.5°  | 1019.0 | 1031.7 | 1052.7 | 1078.0 |
| 10°   | 992.7  | 1010.6 | 1036.9 | 1068.5 |
| 12.5° | 964.3  | 987.5  | 1021.2 | 1053.8 |
| 15°   | 946.4  | 969.6  | 1000.1 | 1035.9 |
| 17.5° | 911.7  | 939.0  | 970.6  | 1021.2 |
| 20°   | 875.9  | 906.4  | 947.5  | 998.0  |
| 22.5° | 848.5  | 881.1  | 920.1  | 973.8  |
| 25°   | 815.9  | 849.6  | 891.7  | 947.5  |
| 27.5° | 781.1  | 814.8  | 862.2  | 921.1  |
| 30°   | 754.8  | 787.4  | 832.7  | 895.9  |
| 32.5° | 723.2  | 754.8  | 802.2  | 868.5  |
| 35°   | 687.4  | 723.2  | 768.5  | 835.9  |
| 37.5° | 660.1  | 692.7  | 740.1  | 804.3  |
| 40°   | 630.6  | 659.0  | 705.3  | 768.5  |
| 42.5° | 599.0  | 630.6  | 670.6  | 733.8  |
| 45°   | 569.5  | 592.7  | 633.7  | 693.8  |
| 47.5° | 537.9  | 564.3  | 595.8  | 642.2  |
| 50°   | 504.3  | 526.4  | 561.1  | 592.7  |
| 52.5° | 471.6  | 489.5  | 519.0  | 543.2  |
| 55°   | 436.9  | 454.8  | 476.9  | 491.6  |
| 57.5° | 404.3  | 416.9  | 431.6  | 441.1  |
| 60°   | 364.2  | 376.9  | 386.4  | 395.8  |
| 62.5° | 328.5  | 337.9  | 343.2  | 348.5  |
| 65°   | 291.6  | 296.9  | 300.0  | 304.2  |
| 67.5° | 251.6  | 256.9  | 257.9  | 264.2  |
| 70°   | 214.8  | 215.8  | 217.9  | 221.1  |
| 72.5° | 180.0  | 182.1  | 181.1  | 183.2  |
| 75°   | 144.2  | 146.3  | 144.2  | 146.3  |
| 77.5° | 109.5  | 111.6  | 111.6  | 114.7  |
| 80°   | 79.0   | 80.0   | 81.1   | 81.1   |
| 82.5° | 51.6   | 54.7   | 52.6   | 53.7   |
| 85°   | 29.5   | 30.5   | 30.5   | 31.6   |
| 87.5° | 13.7   | 14.7   | 13.7   | 15.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)