

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: P1037564

Luminaire Tested: S123RDS-B775DB2750-4F0-XX-W2A-A\_4000K

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1037564  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123RDS-B775DB2750-4F0-XX-W2A-A\_4000K  
Description: Define 3 Regressed Direct Surface with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

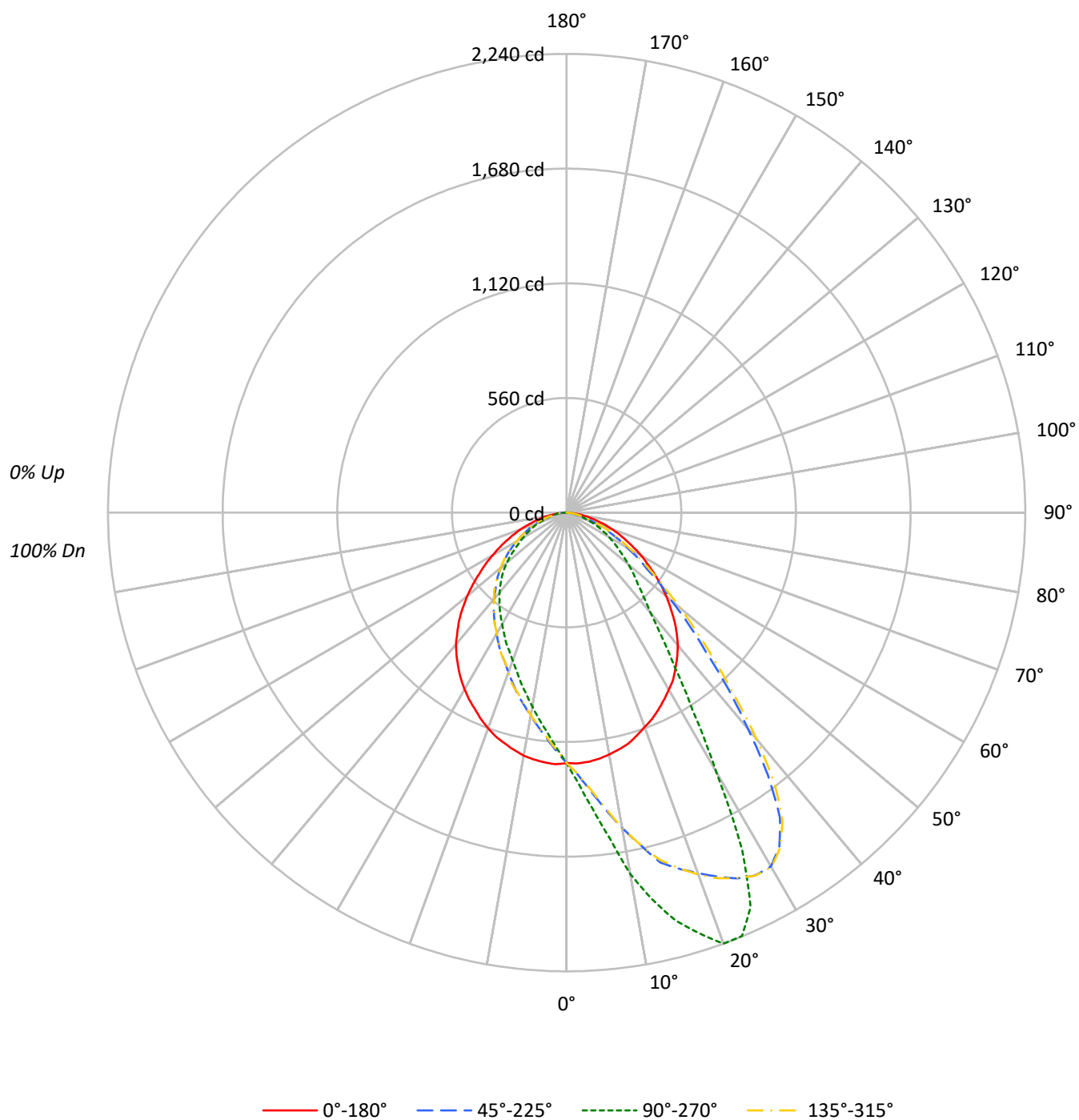
Lumens per Lamp: N/A  
Luminaire Lumens: 3044.0 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

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: P1037564

CATALOG NUMBER: S123RDS-B775DB2750-4F0-XX-W2A-A\_4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1037564

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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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  |    |    |
| 2   | 101 | 94  | 88  | 83  | 99  | 92  | 87  | 82  | 89  | 84  | 80  | 86  | 82  | 78  | 83  | 79  | 77  | 74  |    |    |
| 3   | 93  | 84  | 76  | 71  | 91  | 82  | 75  | 70  | 79  | 74  | 69  | 77  | 72  | 68  | 74  | 70  | 66  | 64  |    |    |
| 4   | 86  | 75  | 67  | 61  | 84  | 74  | 66  | 61  | 71  | 65  | 60  | 69  | 64  | 59  | 67  | 62  | 58  | 56  |    |    |
| 5   | 80  | 68  | 60  | 53  | 78  | 67  | 59  | 53  | 65  | 58  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 50  |    |    |
| 6   | 74  | 62  | 53  | 47  | 72  | 61  | 53  | 47  | 59  | 52  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 44  |    |    |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 48  | 42  | 54  | 47  | 42  | 53  | 46  | 42  | 51  | 46  | 41  | 39  |    |    |
| 8   | 64  | 52  | 44  | 38  | 63  | 51  | 43  | 38  | 50  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 37  | 36  |    |    |
| 9   | 60  | 48  | 40  | 35  | 59  | 47  | 40  | 35  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |    |    |
| 10  | 57  | 44  | 37  | 32  | 55  | 44  | 36  | 32  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29  |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 13159 | 13159 | 13159 | 13159 |
| 5°  | 13197 | 15686 | 13232 | 11637 |
| 10° | 13109 | 19584 | 13167 | 10514 |
| 15° | 13005 | 22988 | 13005 | 9587  |
| 20° | 12769 | 25656 | 12840 | 8800  |
| 25° | 12605 | 25246 | 12580 | 8316  |
| 30° | 12410 | 18146 | 12384 | 7818  |
| 35° | 12172 | 12117 | 12117 | 7495  |
| 40° | 11868 | 8927  | 11809 | 7162  |
| 45° | 11312 | 7488  | 11297 | 6835  |
| 50° | 10622 | 6608  | 10587 | 6380  |
| 55° | 9841  | 5795  | 9762  | 5756  |
| 60° | 9080  | 5160  | 8990  | 5272  |
| 65° | 8183  | 4531  | 8237  | 4905  |
| 70° | 7377  | 3556  | 7575  | 4478  |
| 75° | 6400  | 3136  | 6658  | 4092  |
| 80° | 5318  | 2727  | 5771  | 4023  |
| 85° | 4261  | 2198  | 4656  | 4261  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 21461 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 120.1  | 3.9       |
| 10°-20°   | 375.8  | 12.3      |
| 20°-30°   | 591.9  | 19.4      |
| 30°-40°   | 615.5  | 20.2      |
| 40°-50°   | 526.5  | 17.3      |
| 50°-60°   | 401.4  | 13.2      |
| 60°-70°   | 257.2  | 8.4       |
| 70°-80°   | 123.2  | 4.0       |
| 80°-90°   | 32.4   | 1.1       |
| 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°    | 1087.7 | 35.7      |
| 0°-40°    | 1703.2 | 56.0      |
| 0°-60°    | 2631.2 | 86.4      |
| 0°-90°    | 3044.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3044.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1222 | 1222 | 1222 | 1222 | 1222 |      |
| 5°  | 1221 | 1452 | 1225 | 1077 | 1221 | 116  |
| 15° | 1167 | 2063 | 1167 | 860  | 1167 | 328  |
| 25° | 1061 | 2126 | 1059 | 700  | 1061 | 489  |
| 35° | 926  | 922  | 922  | 570  | 926  | 580  |
| 45° | 743  | 492  | 742  | 449  | 743  | 572  |
| 55° | 524  | 309  | 520  | 307  | 524  | 470  |
| 65° | 321  | 178  | 323  | 193  | 321  | 321  |
| 75° | 154  | 75   | 160  | 98   | 154  | 166  |
| 85° | 34   | 18   | 38   | 34   | 34   | 40   |
| 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°    | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 |
| 2.5°  | 1225.6 | 1234.0 | 1240.3 | 1244.4 | 1254.9 | 1261.2 | 1266.4 | 1275.8 | 1275.8 | 1277.9 | 1282.1 |
| 5°    | 1221.4 | 1239.2 | 1251.8 | 1268.5 | 1290.5 | 1301.0 | 1315.6 | 1328.2 | 1346.0 | 1355.4 | 1364.8 |
| 7.5°  | 1212.0 | 1237.1 | 1263.3 | 1288.4 | 1320.8 | 1341.8 | 1356.4 | 1388.9 | 1411.9 | 1440.2 | 1462.1 |
| 10°   | 1199.4 | 1234.0 | 1267.5 | 1306.2 | 1350.2 | 1381.6 | 1403.5 | 1446.4 | 1490.4 | 1530.2 | 1563.7 |
| 12.5° | 1183.7 | 1225.6 | 1273.7 | 1320.8 | 1382.6 | 1414.0 | 1449.6 | 1503.0 | 1565.8 | 1616.0 | 1661.0 |
| 15°   | 1167.0 | 1215.1 | 1269.6 | 1327.1 | 1404.6 | 1448.5 | 1499.8 | 1564.7 | 1634.8 | 1707.1 | 1768.8 |
| 17.5° | 1140.8 | 1201.5 | 1262.2 | 1346.0 | 1437.0 | 1463.2 | 1507.1 | 1596.1 | 1683.0 | 1747.9 | 1823.2 |
| 20°   | 1114.7 | 1182.7 | 1259.1 | 1334.5 | 1432.8 | 1493.5 | 1534.4 | 1628.6 | 1721.7 | 1800.2 | 1872.4 |
| 22.5° | 1090.6 | 1161.8 | 1241.3 | 1336.5 | 1428.6 | 1489.4 | 1540.6 | 1639.0 | 1746.8 | 1834.7 | 1923.7 |
| 25°   | 1061.3 | 1138.7 | 1226.6 | 1316.7 | 1428.6 | 1474.7 | 1531.2 | 1645.3 | 1759.4 | 1860.9 | 1970.8 |
| 27.5° | 1029.9 | 1108.4 | 1195.3 | 1287.4 | 1389.9 | 1458.0 | 1513.4 | 1635.9 | 1775.1 | 1883.9 | 1997.0 |
| 30°   | 998.5  | 1079.1 | 1162.8 | 1245.5 | 1360.6 | 1425.5 | 1489.4 | 1624.4 | 1783.5 | 1908.0 | 1994.9 |
| 32.5° | 968.1  | 1036.2 | 1118.8 | 1199.4 | 1313.5 | 1384.7 | 1456.9 | 1612.9 | 1786.6 | 1891.3 | 1933.1 |
| 35°   | 926.3  | 997.4  | 1064.4 | 1150.2 | 1265.4 | 1335.5 | 1420.3 | 1611.8 | 1773.0 | 1837.9 | 1816.9 |
| 37.5° | 887.5  | 947.2  | 1011.0 | 1087.4 | 1205.7 | 1296.8 | 1384.7 | 1584.6 | 1728.0 | 1732.2 | 1613.9 |
| 40°   | 844.6  | 893.8  | 947.2  | 1027.8 | 1155.5 | 1245.5 | 1340.7 | 1542.7 | 1646.3 | 1584.6 | 1376.3 |
| 42.5° | 795.4  | 839.4  | 881.3  | 959.8  | 1099.0 | 1199.4 | 1302.0 | 1490.4 | 1528.1 | 1385.7 | 1169.1 |
| 45°   | 743.1  | 778.7  | 817.4  | 900.1  | 1039.3 | 1138.7 | 1241.3 | 1409.8 | 1371.1 | 1170.1 | 963.9  |
| 47.5° | 688.7  | 719.0  | 756.7  | 832.1  | 975.5  | 1077.0 | 1174.3 | 1294.7 | 1196.3 | 980.7  | 808.0  |
| 50°   | 634.3  | 658.3  | 695.0  | 772.4  | 910.6  | 1002.7 | 1092.7 | 1171.2 | 1033.0 | 841.5  | 667.7  |
| 52.5° | 580.9  | 599.7  | 637.4  | 703.3  | 837.3  | 925.2  | 990.1  | 1020.5 | 880.2  | 695.0  | 579.8  |
| 55°   | 524.4  | 545.3  | 570.4  | 637.4  | 770.3  | 835.2  | 878.1  | 877.1  | 732.6  | 589.3  | 479.4  |
| 57.5° | 469.9  | 488.8  | 510.8  | 577.7  | 685.5  | 729.5  | 766.1  | 748.3  | 611.2  | 482.5  | 411.3  |
| 60°   | 421.8  | 432.3  | 456.3  | 512.8  | 594.5  | 632.2  | 653.1  | 622.7  | 499.2  | 407.1  | 340.2  |
| 62.5° | 369.5  | 379.9  | 399.8  | 453.2  | 503.4  | 523.3  | 541.1  | 502.4  | 412.4  | 331.8  | 291.0  |
| 65°   | 321.3  | 334.9  | 347.5  | 390.4  | 417.6  | 441.7  | 439.6  | 407.1  | 322.4  | 270.0  | 236.5  |
| 67.5° | 279.4  | 284.7  | 295.1  | 321.3  | 333.9  | 351.7  | 352.7  | 316.1  | 259.6  | 219.8  | 199.9  |
| 70°   | 234.4  | 239.7  | 247.0  | 259.6  | 267.9  | 272.1  | 270.0  | 237.6  | 195.7  | 171.6  | 153.9  |
| 72.5° | 195.7  | 194.7  | 199.9  | 199.9  | 208.3  | 207.2  | 201.0  | 175.8  | 148.6  | 128.7  | 118.3  |
| 75°   | 153.9  | 154.9  | 155.9  | 153.9  | 150.7  | 146.5  | 141.3  | 122.5  | 104.7  | 95.2   | 85.8   |
| 77.5° | 120.4  | 118.3  | 119.3  | 112.0  | 107.8  | 103.6  | 96.3   | 86.9   | 72.2   | 70.1   | 65.9   |
| 80°   | 85.8   | 84.8   | 83.7   | 80.6   | 71.2   | 67.0   | 61.8   | 56.5   | 53.4   | 51.3   | 50.2   |
| 82.5° | 57.6   | 57.6   | 55.5   | 49.2   | 44.0   | 40.8   | 39.8   | 37.7   | 34.5   | 34.5   | 33.5   |
| 85°   | 34.5   | 33.5   | 31.4   | 25.1   | 22.0   | 22.0   | 22.0   | 22.0   | 19.9   | 19.9   | 18.8   |
| 87.5° | 13.6   | 12.6   | 9.4    | 9.4    | 8.4    | 8.4    | 8.4    | 7.3    | 7.3    | 6.3    | 6.3    |
| 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°    | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 |
| 2.5°  | 1290.5 | 1290.5 | 1299.9 | 1309.3 | 1304.1 | 1307.2 | 1318.8 | 1314.6 | 1322.9 | 1321.9 | 1325.0 |
| 5°    | 1387.8 | 1399.3 | 1408.8 | 1428.6 | 1431.8 | 1428.6 | 1448.5 | 1453.8 | 1463.2 | 1451.7 | 1456.9 |
| 7.5°  | 1497.7 | 1521.8 | 1544.8 | 1574.1 | 1583.5 | 1585.6 | 1596.1 | 1610.8 | 1623.3 | 1600.3 | 1611.8 |
| 10°   | 1604.5 | 1641.1 | 1688.2 | 1714.4 | 1737.4 | 1745.8 | 1754.2 | 1763.6 | 1778.2 | 1791.8 | 1781.4 |
| 12.5° | 1719.6 | 1773.0 | 1818.0 | 1865.1 | 1893.4 | 1890.2 | 1914.3 | 1920.6 | 1932.1 | 1935.2 | 1939.4 |
| 15°   | 1813.8 | 1889.2 | 1917.4 | 1987.5 | 1993.8 | 2014.8 | 2042.0 | 2066.0 | 2069.2 | 2062.9 | 2062.9 |
| 17.5° | 1903.8 | 1968.7 | 2018.9 | 2075.5 | 2087.0 | 2104.8 | 2139.3 | 2150.8 | 2155.0 | 2154.0 | 2154.0 |
| 20°   | 1977.1 | 2020.0 | 2104.8 | 2151.9 | 2170.7 | 2193.7 | 2217.8 | 2232.5 | 2235.6 | 2239.8 | 2233.5 |
| 22.5° | 2025.2 | 2090.1 | 2159.2 | 2197.9 | 2213.6 | 2222.0 | 2237.7 | 2241.9 | 2236.6 | 2237.7 | 2238.7 |
| 25°   | 2062.9 | 2126.8 | 2168.6 | 2179.1 | 2178.0 | 2167.6 | 2156.1 | 2136.2 | 2134.1 | 2125.7 | 2109.0 |
| 27.5° | 2073.4 | 2097.4 | 2092.2 | 2049.3 | 2006.4 | 2002.2 | 1933.1 | 1895.4 | 1852.5 | 1858.8 | 1834.7 |
| 30°   | 2016.9 | 1985.5 | 1911.1 | 1802.3 | 1757.3 | 1684.0 | 1606.6 | 1526.0 | 1494.6 | 1460.0 | 1523.9 |
| 32.5° | 1878.7 | 1766.7 | 1634.8 | 1493.5 | 1418.2 | 1353.3 | 1270.6 | 1212.0 | 1178.5 | 1150.2 | 1204.7 |
| 35°   | 1670.4 | 1495.6 | 1320.8 | 1186.9 | 1125.1 | 1066.5 | 989.1  | 959.8  | 917.9  | 922.1  | 927.3  |
| 37.5° | 1402.5 | 1209.9 | 1078.0 | 946.2  | 905.3  | 881.3  | 824.7  | 779.7  | 765.1  | 760.9  | 760.9  |
| 40°   | 1151.3 | 993.3  | 876.0  | 772.4  | 741.0  | 721.1  | 676.1  | 655.2  | 639.5  | 635.3  | 640.5  |
| 42.5° | 952.4  | 817.4  | 726.4  | 657.3  | 635.3  | 610.2  | 591.3  | 565.2  | 562.0  | 554.7  | 564.1  |
| 45°   | 799.6  | 682.4  | 614.4  | 564.1  | 545.3  | 535.9  | 514.9  | 499.2  | 493.0  | 491.9  | 499.2  |
| 47.5° | 678.2  | 587.2  | 527.5  | 496.1  | 481.4  | 472.0  | 454.2  | 448.0  | 441.7  | 443.8  | 440.6  |
| 50°   | 569.4  | 501.3  | 462.6  | 434.4  | 424.9  | 415.5  | 404.0  | 397.7  | 394.6  | 394.6  | 393.5  |
| 52.5° | 488.8  | 432.3  | 407.1  | 381.0  | 376.8  | 371.6  | 359.0  | 354.8  | 349.6  | 348.5  | 352.7  |
| 55°   | 418.7  | 379.9  | 354.8  | 339.1  | 334.9  | 324.5  | 319.2  | 314.0  | 310.8  | 308.8  | 309.8  |
| 57.5° | 357.9  | 328.6  | 311.9  | 298.3  | 291.0  | 286.8  | 277.4  | 276.3  | 274.2  | 274.2  | 273.2  |
| 60°   | 307.7  | 286.8  | 266.9  | 258.5  | 253.3  | 248.1  | 247.0  | 240.7  | 237.6  | 239.7  | 238.6  |
| 62.5° | 260.6  | 243.9  | 232.4  | 222.9  | 219.8  | 215.6  | 212.5  | 210.4  | 207.2  | 208.3  | 208.3  |
| 65°   | 217.7  | 204.1  | 195.7  | 187.3  | 186.3  | 182.1  | 181.1  | 179.0  | 179.0  | 177.9  | 180.0  |
| 67.5° | 179.0  | 169.6  | 162.2  | 157.0  | 153.9  | 154.9  | 150.7  | 147.6  | 147.6  | 146.5  | 149.7  |
| 70°   | 142.3  | 137.1  | 129.8  | 123.5  | 119.3  | 119.3  | 114.1  | 113.0  | 113.0  | 113.0  | 112.0  |
| 72.5° | 109.9  | 100.5  | 97.3   | 95.2   | 95.2   | 95.2   | 93.1   | 93.1   | 92.1   | 93.1   | 92.1   |
| 75°   | 81.6   | 80.6   | 78.5   | 77.5   | 77.5   | 76.4   | 75.4   | 75.4   | 75.4   | 75.4   | 75.4   |
| 77.5° | 63.8   | 63.8   | 61.8   | 60.7   | 60.7   | 60.7   | 59.7   | 59.7   | 58.6   | 58.6   | 58.6   |
| 80°   | 47.1   | 47.1   | 45.0   | 45.0   | 45.0   | 44.0   | 44.0   | 44.0   | 45.0   | 44.0   | 44.0   |
| 82.5° | 32.4   | 32.4   | 31.4   | 32.4   | 31.4   | 30.4   | 30.4   | 30.4   | 29.3   | 30.4   | 30.4   |
| 85°   | 18.8   | 18.8   | 17.8   | 16.7   | 17.8   | 17.8   | 16.7   | 17.8   | 16.7   | 17.8   | 16.7   |
| 87.5° | 7.3    | 6.3    | 6.3    | 6.3    | 5.2    | 6.3    | 5.2    | 5.2    | 6.3    | 5.2    | 6.3    |
| 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°    | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 |
| 2.5°  | 1319.8 | 1313.5 | 1309.3 | 1306.2 | 1303.1 | 1312.5 | 1299.9 | 1286.3 | 1276.9 | 1270.6 | 1268.5 |
| 5°    | 1458.0 | 1444.3 | 1432.8 | 1423.4 | 1425.5 | 1425.5 | 1403.5 | 1379.5 | 1358.5 | 1347.0 | 1334.5 |
| 7.5°  | 1618.1 | 1603.4 | 1580.4 | 1575.2 | 1571.0 | 1544.8 | 1522.8 | 1478.9 | 1452.7 | 1426.6 | 1403.5 |
| 10°   | 1777.2 | 1758.3 | 1736.4 | 1729.0 | 1718.6 | 1686.1 | 1652.6 | 1596.1 | 1563.7 | 1515.5 | 1485.2 |
| 12.5° | 1925.8 | 1902.8 | 1880.8 | 1875.6 | 1859.9 | 1831.6 | 1774.0 | 1715.4 | 1660.0 | 1608.7 | 1555.3 |
| 15°   | 2050.3 | 2044.1 | 2010.6 | 1989.6 | 1955.1 | 1916.4 | 1903.8 | 1824.3 | 1754.2 | 1700.8 | 1604.5 |
| 17.5° | 2155.0 | 2125.7 | 2094.3 | 2080.7 | 2067.1 | 2022.1 | 1977.1 | 1895.4 | 1820.1 | 1741.6 | 1679.8 |
| 20°   | 2238.7 | 2206.3 | 2184.3 | 2164.4 | 2158.1 | 2106.9 | 2035.7 | 1963.5 | 1880.8 | 1792.9 | 1712.3 |
| 22.5° | 2242.9 | 2238.7 | 2224.1 | 2212.6 | 2200.0 | 2166.5 | 2110.0 | 2020.0 | 1932.1 | 1835.8 | 1730.1 |
| 25°   | 2156.1 | 2149.8 | 2191.6 | 2181.2 | 2189.5 | 2177.0 | 2146.6 | 2071.3 | 1968.7 | 1855.7 | 1748.9 |
| 27.5° | 1894.4 | 1958.2 | 2024.2 | 2047.2 | 2062.9 | 2107.9 | 2122.6 | 2080.7 | 1998.0 | 1877.7 | 1758.3 |
| 30°   | 1538.5 | 1623.3 | 1730.1 | 1787.6 | 1831.6 | 1915.3 | 2024.2 | 2037.8 | 1999.1 | 1902.8 | 1756.2 |
| 32.5° | 1207.8 | 1285.3 | 1371.1 | 1439.1 | 1497.7 | 1669.4 | 1815.9 | 1921.6 | 1940.5 | 1890.2 | 1761.5 |
| 35°   | 973.4  | 1006.9 | 1088.5 | 1153.4 | 1232.9 | 1379.5 | 1552.2 | 1722.8 | 1837.9 | 1844.2 | 1745.8 |
| 37.5° | 802.8  | 820.6  | 891.7  | 928.4  | 975.5  | 1104.2 | 1265.4 | 1488.3 | 1667.3 | 1752.1 | 1701.8 |
| 40°   | 664.6  | 705.4  | 746.2  | 767.2  | 800.7  | 889.6  | 1044.5 | 1219.3 | 1441.2 | 1598.2 | 1633.8 |
| 42.5° | 576.7  | 594.5  | 620.7  | 650.0  | 670.9  | 748.3  | 852.0  | 1012.1 | 1212.0 | 1430.7 | 1529.1 |
| 45°   | 508.7  | 514.9  | 542.2  | 561.0  | 583.0  | 637.4  | 710.7  | 844.6  | 1020.5 | 1236.1 | 1403.5 |
| 47.5° | 452.1  | 464.7  | 479.4  | 490.9  | 505.5  | 547.4  | 610.2  | 707.5  | 862.4  | 1055.0 | 1235.0 |
| 50°   | 401.9  | 409.2  | 428.1  | 433.3  | 443.8  | 473.1  | 521.2  | 595.5  | 723.2  | 877.1  | 1063.4 |
| 52.5° | 354.8  | 368.4  | 375.7  | 383.1  | 392.5  | 416.6  | 448.0  | 508.7  | 605.0  | 749.4  | 907.4  |
| 55°   | 318.2  | 322.4  | 332.8  | 339.1  | 346.4  | 363.2  | 390.4  | 435.4  | 510.8  | 625.9  | 775.6  |
| 57.5° | 282.6  | 282.6  | 293.1  | 298.3  | 305.6  | 318.2  | 342.2  | 376.8  | 431.2  | 517.0  | 654.1  |
| 60°   | 244.9  | 246.0  | 254.3  | 260.6  | 262.7  | 275.3  | 295.1  | 322.4  | 364.2  | 427.0  | 539.0  |
| 62.5° | 211.4  | 216.7  | 220.8  | 222.9  | 230.3  | 237.6  | 254.3  | 273.2  | 302.5  | 357.9  | 437.5  |
| 65°   | 183.2  | 184.2  | 187.3  | 189.4  | 192.6  | 201.0  | 213.5  | 226.1  | 251.2  | 292.0  | 356.9  |
| 67.5° | 150.7  | 154.9  | 159.1  | 159.1  | 162.2  | 166.4  | 179.0  | 189.4  | 208.3  | 232.4  | 276.3  |
| 70°   | 113.0  | 115.1  | 121.4  | 124.5  | 128.7  | 136.1  | 142.3  | 148.6  | 163.3  | 181.1  | 214.6  |
| 72.5° | 94.2   | 94.2   | 96.3   | 97.3   | 97.3   | 102.6  | 112.0  | 118.3  | 125.6  | 138.2  | 161.2  |
| 75°   | 75.4   | 75.4   | 78.5   | 77.5   | 79.5   | 81.6   | 82.7   | 86.9   | 91.1   | 100.5  | 114.1  |
| 77.5° | 59.7   | 60.7   | 60.7   | 61.8   | 61.8   | 62.8   | 63.8   | 65.9   | 68.0   | 73.3   | 79.5   |
| 80°   | 44.0   | 45.0   | 45.0   | 46.1   | 46.1   | 47.1   | 48.1   | 49.2   | 51.3   | 53.4   | 56.5   |
| 82.5° | 30.4   | 31.4   | 31.4   | 32.4   | 31.4   | 32.4   | 33.5   | 33.5   | 34.5   | 36.6   | 37.7   |
| 85°   | 17.8   | 17.8   | 18.8   | 17.8   | 17.8   | 17.8   | 18.8   | 18.8   | 19.9   | 23.0   | 23.0   |
| 87.5° | 5.2    | 6.3    | 5.2    | 6.3    | 6.3    | 6.3    | 6.3    | 7.3    | 7.3    | 8.4    | 9.4    |
| 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°    | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 |
| 2.5°  | 1265.4 | 1260.1 | 1254.9 | 1254.9 | 1243.4 | 1232.9 | 1227.7 | 1229.8 | 1223.5 | 1215.1 | 1206.8 |
| 5°    | 1320.8 | 1299.9 | 1295.7 | 1284.2 | 1268.5 | 1246.5 | 1235.0 | 1224.6 | 1212.0 | 1195.3 | 1179.6 |
| 7.5°  | 1372.1 | 1344.9 | 1330.3 | 1318.8 | 1288.4 | 1258.0 | 1232.9 | 1216.2 | 1194.2 | 1169.1 | 1150.2 |
| 10°   | 1439.1 | 1388.9 | 1373.2 | 1347.0 | 1304.1 | 1261.2 | 1231.9 | 1204.7 | 1174.3 | 1145.0 | 1119.9 |
| 12.5° | 1492.5 | 1434.9 | 1405.6 | 1379.5 | 1324.0 | 1269.6 | 1220.4 | 1186.9 | 1150.2 | 1117.8 | 1085.4 |
| 15°   | 1553.2 | 1488.3 | 1437.0 | 1405.6 | 1335.5 | 1269.6 | 1214.1 | 1167.0 | 1126.2 | 1086.4 | 1058.1 |
| 17.5° | 1582.5 | 1500.9 | 1477.8 | 1432.8 | 1331.3 | 1265.4 | 1197.3 | 1147.1 | 1097.9 | 1051.9 | 1018.4 |
| 20°   | 1628.6 | 1533.3 | 1475.7 | 1445.4 | 1355.4 | 1258.0 | 1178.5 | 1120.9 | 1069.7 | 1020.5 | 984.9  |
| 22.5° | 1631.7 | 1528.1 | 1490.4 | 1432.8 | 1321.9 | 1236.1 | 1161.8 | 1091.6 | 1032.0 | 985.9  | 949.3  |
| 25°   | 1624.4 | 1518.7 | 1466.3 | 1420.3 | 1328.2 | 1223.5 | 1128.3 | 1059.2 | 1000.6 | 947.2  | 904.3  |
| 27.5° | 1621.2 | 1491.4 | 1442.3 | 1396.2 | 1292.6 | 1186.9 | 1108.4 | 1029.9 | 962.9  | 915.8  | 871.8  |
| 30°   | 1617.0 | 1462.1 | 1402.5 | 1349.1 | 1253.9 | 1158.6 | 1064.4 | 996.4  | 932.5  | 872.9  | 828.9  |
| 32.5° | 1589.8 | 1422.4 | 1361.7 | 1305.1 | 1202.6 | 1107.3 | 1033.0 | 960.8  | 891.7  | 836.3  | 796.5  |
| 35°   | 1581.5 | 1385.7 | 1306.2 | 1245.5 | 1145.0 | 1060.2 | 981.7  | 922.1  | 857.2  | 801.7  | 754.6  |
| 37.5° | 1557.4 | 1348.1 | 1262.2 | 1184.8 | 1080.1 | 999.5  | 942.0  | 882.3  | 819.5  | 759.9  | 722.2  |
| 40°   | 1515.5 | 1304.1 | 1206.8 | 1127.2 | 1019.4 | 937.8  | 884.4  | 840.4  | 778.7  | 725.3  | 679.3  |
| 42.5° | 1453.8 | 1259.1 | 1154.4 | 1070.7 | 951.4  | 875.0  | 831.0  | 789.2  | 736.8  | 681.4  | 643.7  |
| 45°   | 1382.6 | 1199.4 | 1102.1 | 1009.0 | 887.5  | 813.2  | 767.2  | 742.1  | 693.9  | 646.8  | 602.9  |
| 47.5° | 1285.3 | 1137.7 | 1041.4 | 945.1  | 821.6  | 749.4  | 712.8  | 687.6  | 654.1  | 602.9  | 567.3  |
| 50°   | 1162.8 | 1058.1 | 967.1  | 881.3  | 756.7  | 687.6  | 651.0  | 632.2  | 603.9  | 567.3  | 532.7  |
| 52.5° | 1026.7 | 966.0  | 890.7  | 811.1  | 690.8  | 625.9  | 592.4  | 577.7  | 556.8  | 522.3  | 493.0  |
| 55°   | 889.6  | 863.5  | 812.2  | 733.7  | 621.7  | 568.3  | 539.0  | 520.2  | 504.5  | 479.4  | 454.2  |
| 57.5° | 767.2  | 754.6  | 719.0  | 658.3  | 564.1  | 508.7  | 483.5  | 471.0  | 458.4  | 439.6  | 414.5  |
| 60°   | 640.5  | 654.1  | 617.5  | 587.2  | 501.3  | 453.2  | 431.2  | 417.6  | 411.3  | 394.6  | 378.9  |
| 62.5° | 530.6  | 543.2  | 522.3  | 499.2  | 438.5  | 395.6  | 382.0  | 369.5  | 365.3  | 350.6  | 334.9  |
| 65°   | 431.2  | 446.9  | 431.2  | 418.7  | 382.0  | 346.4  | 329.7  | 323.4  | 319.2  | 309.8  | 297.2  |
| 67.5° | 343.3  | 359.0  | 351.7  | 336.0  | 324.5  | 295.1  | 285.7  | 279.4  | 277.4  | 270.0  | 259.6  |
| 70°   | 258.5  | 280.5  | 282.6  | 273.2  | 262.7  | 249.1  | 242.8  | 240.7  | 235.5  | 229.2  | 222.9  |
| 72.5° | 186.3  | 211.4  | 212.5  | 212.5  | 206.2  | 206.2  | 199.9  | 196.8  | 196.8  | 190.5  | 183.2  |
| 75°   | 137.1  | 153.9  | 155.9  | 158.0  | 161.2  | 164.3  | 160.1  | 160.1  | 159.1  | 152.8  | 149.7  |
| 77.5° | 91.1   | 105.7  | 110.9  | 118.3  | 122.5  | 122.5  | 124.5  | 126.6  | 124.5  | 121.4  | 119.3  |
| 80°   | 58.6   | 69.1   | 75.4   | 79.5   | 85.8   | 89.0   | 92.1   | 93.1   | 91.1   | 90.0   | 86.9   |
| 82.5° | 38.7   | 41.9   | 45.0   | 50.2   | 57.6   | 62.8   | 62.8   | 61.8   | 63.8   | 62.8   | 61.8   |
| 85°   | 22.0   | 24.1   | 25.1   | 26.2   | 30.4   | 35.6   | 36.6   | 37.7   | 39.8   | 37.7   | 35.6   |
| 87.5° | 8.4    | 9.4    | 9.4    | 9.4    | 11.5   | 12.6   | 15.7   | 19.9   | 18.8   | 16.7   | 16.7   |
| 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: P1037564

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**CANDELA DISTRIBUTION (continued):**

|       | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 |
| 2.5°  | 1206.8 | 1201.5 | 1199.4 | 1194.2 | 1181.6 | 1173.3 | 1163.9 | 1157.6 | 1158.6 | 1153.4 | 1156.5 |
| 5°    | 1169.1 | 1168.0 | 1160.7 | 1150.2 | 1132.5 | 1123.0 | 1106.3 | 1097.9 | 1093.7 | 1094.8 | 1088.5 |
| 7.5°  | 1137.7 | 1128.3 | 1123.0 | 1106.3 | 1089.5 | 1069.7 | 1056.0 | 1048.7 | 1042.4 | 1036.2 | 1032.0 |
| 10°   | 1102.1 | 1093.7 | 1085.4 | 1067.6 | 1044.5 | 1025.7 | 1006.9 | 999.5  | 990.1  | 985.9  | 982.8  |
| 12.5° | 1064.4 | 1059.2 | 1048.7 | 1027.8 | 1001.6 | 983.8  | 961.9  | 957.7  | 945.1  | 936.7  | 934.6  |
| 15°   | 1029.9 | 1026.7 | 1007.9 | 983.8  | 957.7  | 939.9  | 921.0  | 908.5  | 887.5  | 891.7  | 884.4  |
| 17.5° | 993.3  | 979.6  | 968.1  | 935.7  | 923.1  | 895.9  | 873.9  | 867.7  | 853.0  | 843.6  | 834.2  |
| 20°   | 952.4  | 944.1  | 929.4  | 908.5  | 878.1  | 846.7  | 830.0  | 819.5  | 811.1  | 796.5  | 792.3  |
| 22.5° | 913.7  | 903.2  | 890.7  | 863.5  | 837.3  | 811.1  | 788.1  | 778.7  | 768.2  | 757.8  | 751.5  |
| 25°   | 883.4  | 867.7  | 854.0  | 820.6  | 794.4  | 772.4  | 757.8  | 742.1  | 727.4  | 721.1  | 719.0  |
| 27.5° | 836.3  | 826.8  | 813.2  | 781.8  | 757.8  | 733.7  | 720.1  | 709.6  | 693.9  | 686.6  | 680.3  |
| 30°   | 805.9  | 787.1  | 771.4  | 746.2  | 722.2  | 696.0  | 683.4  | 670.9  | 661.5  | 652.0  | 644.7  |
| 32.5° | 765.1  | 750.4  | 737.9  | 712.8  | 688.7  | 664.6  | 651.0  | 632.2  | 626.9  | 619.6  | 611.2  |
| 35°   | 725.3  | 715.9  | 702.3  | 675.1  | 648.9  | 632.2  | 617.5  | 599.7  | 593.4  | 588.2  | 580.9  |
| 37.5° | 687.6  | 674.0  | 664.6  | 638.4  | 615.4  | 595.5  | 584.0  | 569.4  | 565.2  | 558.9  | 553.7  |
| 40°   | 655.2  | 641.6  | 632.2  | 606.0  | 581.9  | 561.0  | 553.7  | 539.0  | 532.7  | 525.4  | 522.3  |
| 42.5° | 618.6  | 607.0  | 594.5  | 575.6  | 550.5  | 529.6  | 514.9  | 506.6  | 498.2  | 495.1  | 488.8  |
| 45°   | 579.8  | 569.4  | 559.9  | 539.0  | 512.8  | 498.2  | 485.6  | 474.1  | 467.8  | 462.6  | 458.4  |
| 47.5° | 546.3  | 536.9  | 524.4  | 501.3  | 480.4  | 466.8  | 454.2  | 442.7  | 436.4  | 430.2  | 424.9  |
| 50°   | 507.6  | 502.4  | 488.8  | 466.8  | 446.9  | 431.2  | 419.7  | 409.2  | 405.0  | 397.7  | 389.3  |
| 52.5° | 473.1  | 463.7  | 452.1  | 434.4  | 416.6  | 397.7  | 382.0  | 375.7  | 368.4  | 364.2  | 356.9  |
| 55°   | 432.3  | 426.0  | 413.4  | 397.7  | 378.9  | 363.2  | 351.7  | 343.3  | 333.9  | 329.7  | 320.3  |
| 57.5° | 397.7  | 386.2  | 379.9  | 360.0  | 342.2  | 326.5  | 318.2  | 309.8  | 299.3  | 293.1  | 288.9  |
| 60°   | 360.0  | 349.6  | 340.2  | 323.4  | 310.8  | 294.1  | 281.5  | 274.2  | 266.9  | 258.5  | 254.3  |
| 62.5° | 323.4  | 315.0  | 303.5  | 289.9  | 274.2  | 260.6  | 251.2  | 240.7  | 236.5  | 228.2  | 225.0  |
| 65°   | 283.6  | 277.4  | 267.9  | 252.2  | 239.7  | 228.2  | 218.7  | 210.4  | 206.2  | 203.0  | 201.0  |
| 67.5° | 248.1  | 239.7  | 233.4  | 219.8  | 206.2  | 196.8  | 191.5  | 186.3  | 181.1  | 177.9  | 174.8  |
| 70°   | 211.4  | 205.1  | 198.9  | 186.3  | 176.9  | 168.5  | 164.3  | 160.1  | 157.0  | 153.9  | 150.7  |
| 72.5° | 173.7  | 170.6  | 164.3  | 155.9  | 148.6  | 142.3  | 139.2  | 134.0  | 130.8  | 125.6  | 123.5  |
| 75°   | 143.4  | 138.2  | 135.0  | 127.7  | 121.4  | 116.2  | 112.0  | 105.7  | 101.5  | 99.4   | 98.4   |
| 77.5° | 113.0  | 110.9  | 106.8  | 100.5  | 97.3   | 92.1   | 85.8   | 83.7   | 81.6   | 81.6   | 80.6   |
| 80°   | 84.8   | 81.6   | 78.5   | 73.3   | 70.1   | 65.9   | 65.9   | 65.9   | 64.9   | 65.9   | 64.9   |
| 82.5° | 57.6   | 55.5   | 53.4   | 50.2   | 49.2   | 49.2   | 50.2   | 50.2   | 50.2   | 50.2   | 50.2   |
| 85°   | 33.5   | 33.5   | 33.5   | 34.5   | 33.5   | 33.5   | 34.5   | 35.6   | 34.5   | 34.5   | 33.5   |
| 87.5° | 15.7   | 15.7   | 16.7   | 16.7   | 17.8   | 17.8   | 17.8   | 17.8   | 17.8   | 17.8   | 18.8   |
| 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: P1037564

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**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 |
| 2.5°  | 1155.5 | 1156.5 | 1153.4 | 1147.1 | 1146.1 | 1148.2 | 1154.4 | 1152.3 | 1147.1 | 1156.5 | 1148.2 |
| 5°    | 1091.6 | 1086.4 | 1084.3 | 1086.4 | 1080.1 | 1077.0 | 1083.3 | 1080.1 | 1083.3 | 1084.3 | 1087.4 |
| 7.5°  | 1029.9 | 1030.9 | 1024.6 | 1025.7 | 1017.3 | 1019.4 | 1019.4 | 1019.4 | 1022.6 | 1024.6 | 1028.8 |
| 10°   | 976.5  | 978.6  | 971.3  | 972.3  | 966.0  | 961.9  | 965.0  | 971.3  | 971.3  | 971.3  | 973.4  |
| 12.5° | 933.6  | 924.2  | 918.9  | 917.9  | 910.6  | 908.5  | 914.8  | 916.8  | 922.1  | 922.1  | 925.2  |
| 15°   | 880.2  | 878.1  | 873.9  | 873.9  | 856.1  | 860.3  | 862.4  | 869.7  | 880.2  | 871.8  | 873.9  |
| 17.5° | 832.1  | 826.8  | 821.6  | 819.5  | 817.4  | 811.1  | 819.5  | 818.5  | 824.7  | 825.8  | 828.9  |
| 20°   | 789.2  | 785.0  | 774.5  | 775.6  | 777.6  | 768.2  | 773.5  | 773.5  | 779.7  | 786.0  | 793.3  |
| 22.5° | 747.3  | 743.1  | 737.9  | 740.0  | 733.7  | 731.6  | 731.6  | 736.8  | 744.2  | 749.4  | 748.3  |
| 25°   | 714.8  | 707.5  | 704.4  | 701.2  | 698.1  | 700.2  | 697.1  | 702.3  | 707.5  | 710.7  | 707.5  |
| 27.5° | 678.2  | 675.1  | 668.8  | 665.7  | 660.4  | 662.5  | 664.6  | 668.8  | 671.9  | 671.9  | 675.1  |
| 30°   | 642.6  | 638.4  | 636.4  | 633.2  | 633.2  | 629.0  | 630.1  | 634.3  | 637.4  | 640.5  | 644.7  |
| 32.5° | 608.1  | 605.0  | 601.8  | 601.8  | 599.7  | 598.7  | 597.6  | 603.9  | 603.9  | 610.2  | 610.2  |
| 35°   | 579.8  | 574.6  | 574.6  | 569.4  | 571.5  | 570.4  | 568.3  | 572.5  | 573.6  | 577.7  | 576.7  |
| 37.5° | 548.4  | 548.4  | 546.3  | 541.1  | 536.9  | 538.0  | 543.2  | 543.2  | 546.3  | 545.3  | 548.4  |
| 40°   | 517.0  | 514.9  | 514.9  | 511.8  | 510.8  | 509.7  | 510.8  | 511.8  | 517.0  | 516.0  | 517.0  |
| 42.5° | 485.6  | 486.7  | 481.4  | 481.4  | 481.4  | 478.3  | 479.4  | 480.4  | 482.5  | 484.6  | 487.7  |
| 45°   | 455.3  | 453.2  | 452.1  | 450.1  | 448.0  | 449.0  | 448.0  | 452.1  | 451.1  | 453.2  | 456.3  |
| 47.5° | 422.8  | 419.7  | 418.7  | 414.5  | 414.5  | 416.6  | 415.5  | 418.7  | 419.7  | 422.8  | 420.7  |
| 50°   | 391.4  | 387.3  | 384.1  | 385.2  | 378.9  | 381.0  | 381.0  | 384.1  | 387.3  | 388.3  | 390.4  |
| 52.5° | 354.8  | 353.8  | 352.7  | 347.5  | 346.4  | 345.4  | 346.4  | 347.5  | 351.7  | 354.8  | 355.9  |
| 55°   | 319.2  | 318.2  | 311.9  | 309.8  | 306.7  | 306.7  | 308.8  | 309.8  | 317.1  | 318.2  | 322.4  |
| 57.5° | 286.8  | 283.6  | 276.3  | 275.3  | 275.3  | 275.3  | 272.1  | 276.3  | 278.4  | 283.6  | 283.6  |
| 60°   | 251.2  | 251.2  | 244.9  | 244.9  | 246.0  | 244.9  | 244.9  | 246.0  | 246.0  | 250.1  | 252.2  |
| 62.5° | 222.9  | 221.9  | 221.9  | 219.8  | 218.7  | 219.8  | 218.7  | 218.7  | 219.8  | 222.9  | 226.1  |
| 65°   | 197.8  | 196.8  | 195.7  | 194.7  | 192.6  | 192.6  | 193.6  | 195.7  | 195.7  | 197.8  | 198.9  |
| 67.5° | 173.7  | 173.7  | 171.6  | 171.6  | 170.6  | 169.6  | 170.6  | 169.6  | 173.7  | 173.7  | 174.8  |
| 70°   | 149.7  | 148.6  | 145.5  | 144.4  | 141.3  | 142.3  | 142.3  | 145.5  | 146.5  | 148.6  | 150.7  |
| 72.5° | 120.4  | 120.4  | 118.3  | 116.2  | 117.2  | 115.1  | 115.1  | 116.2  | 116.2  | 119.3  | 120.4  |
| 75°   | 99.4   | 97.3   | 96.3   | 97.3   | 96.3   | 98.4   | 96.3   | 96.3   | 98.4   | 98.4   | 98.4   |
| 77.5° | 81.6   | 81.6   | 80.6   | 80.6   | 81.6   | 80.6   | 81.6   | 81.6   | 81.6   | 80.6   | 81.6   |
| 80°   | 67.0   | 65.9   | 65.9   | 65.9   | 64.9   | 64.9   | 64.9   | 64.9   | 64.9   | 64.9   | 64.9   |
| 82.5° | 50.2   | 50.2   | 49.2   | 50.2   | 50.2   | 49.2   | 50.2   | 49.2   | 49.2   | 50.2   | 50.2   |
| 85°   | 33.5   | 35.6   | 33.5   | 33.5   | 34.5   | 34.5   | 35.6   | 34.5   | 35.6   | 33.5   | 34.5   |
| 87.5° | 17.8   | 18.8   | 18.8   | 17.8   | 17.8   | 18.8   | 18.8   | 18.8   | 19.9   | 17.8   | 18.8   |
| 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: P1037564

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**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 | 1222.5 |
| 2.5°  | 1156.5 | 1160.7 | 1156.5 | 1148.2 | 1156.5 | 1161.8 | 1167.0 | 1175.4 | 1179.6 | 1179.6 | 1185.8 |
| 5°    | 1090.6 | 1099.0 | 1095.8 | 1093.7 | 1102.1 | 1107.3 | 1115.7 | 1126.2 | 1137.7 | 1145.0 | 1153.4 |
| 7.5°  | 1032.0 | 1037.2 | 1042.4 | 1042.4 | 1050.8 | 1062.3 | 1074.9 | 1087.4 | 1102.1 | 1112.6 | 1118.8 |
| 10°   | 980.7  | 984.9  | 988.0  | 992.2  | 1004.8 | 1017.3 | 1034.1 | 1049.8 | 1062.3 | 1073.8 | 1084.3 |
| 12.5° | 931.5  | 937.8  | 945.1  | 948.2  | 957.7  | 973.4  | 989.1  | 1007.9 | 1027.8 | 1039.3 | 1049.8 |
| 15°   | 884.4  | 887.5  | 895.9  | 905.3  | 913.7  | 930.5  | 950.3  | 970.2  | 987.0  | 1004.8 | 1014.2 |
| 17.5° | 836.3  | 837.3  | 859.3  | 854.0  | 881.3  | 897.0  | 907.4  | 926.3  | 953.5  | 968.1  | 982.8  |
| 20°   | 789.2  | 799.6  | 809.0  | 814.3  | 828.9  | 846.7  | 877.1  | 891.7  | 913.7  | 927.3  | 939.9  |
| 22.5° | 752.5  | 768.2  | 768.2  | 780.8  | 788.1  | 804.9  | 826.8  | 855.1  | 879.2  | 888.6  | 906.4  |
| 25°   | 720.1  | 727.4  | 740.0  | 744.2  | 757.8  | 772.4  | 787.1  | 817.4  | 843.6  | 856.1  | 868.7  |
| 27.5° | 678.2  | 687.6  | 704.4  | 704.4  | 722.2  | 737.9  | 755.7  | 775.6  | 801.7  | 819.5  | 833.1  |
| 30°   | 645.8  | 655.2  | 662.5  | 674.0  | 681.4  | 696.0  | 727.4  | 742.1  | 765.1  | 780.8  | 797.5  |
| 32.5° | 615.4  | 622.7  | 629.0  | 641.6  | 650.0  | 666.7  | 683.4  | 709.6  | 729.5  | 744.2  | 761.9  |
| 35°   | 581.9  | 589.3  | 597.6  | 607.0  | 619.6  | 635.3  | 651.0  | 673.0  | 692.9  | 706.5  | 721.1  |
| 37.5° | 550.5  | 555.8  | 568.3  | 574.6  | 585.1  | 599.7  | 619.6  | 642.6  | 660.4  | 670.9  | 685.5  |
| 40°   | 520.2  | 524.4  | 533.8  | 545.3  | 552.6  | 564.1  | 585.1  | 605.0  | 626.9  | 639.5  | 651.0  |
| 42.5° | 487.7  | 493.0  | 501.3  | 512.8  | 524.4  | 536.9  | 548.4  | 571.5  | 591.3  | 601.8  | 614.4  |
| 45°   | 459.5  | 462.6  | 468.9  | 480.4  | 491.9  | 501.3  | 519.1  | 540.1  | 558.9  | 567.3  | 580.9  |
| 47.5° | 426.0  | 429.1  | 438.5  | 443.8  | 456.3  | 468.9  | 486.7  | 507.6  | 524.4  | 532.7  | 545.3  |
| 50°   | 391.4  | 394.6  | 400.9  | 412.4  | 420.7  | 434.4  | 450.1  | 467.8  | 488.8  | 500.3  | 507.6  |
| 52.5° | 357.9  | 364.2  | 369.5  | 378.9  | 389.3  | 403.0  | 417.6  | 434.4  | 452.1  | 463.7  | 472.0  |
| 55°   | 324.5  | 329.7  | 336.0  | 341.2  | 353.8  | 366.3  | 383.1  | 398.8  | 414.5  | 424.9  | 434.4  |
| 57.5° | 286.8  | 294.1  | 300.4  | 310.8  | 320.3  | 330.7  | 349.6  | 362.1  | 381.0  | 388.3  | 396.7  |
| 60°   | 254.3  | 261.7  | 266.9  | 275.3  | 283.6  | 297.2  | 309.8  | 325.5  | 341.2  | 350.6  | 361.1  |
| 62.5° | 227.1  | 230.3  | 233.4  | 241.8  | 250.1  | 262.7  | 275.3  | 291.0  | 307.7  | 312.9  | 321.3  |
| 65°   | 199.9  | 203.0  | 208.3  | 215.6  | 221.9  | 229.2  | 242.8  | 255.4  | 271.1  | 279.4  | 282.6  |
| 67.5° | 176.9  | 180.0  | 181.1  | 186.3  | 191.5  | 199.9  | 207.2  | 219.8  | 234.4  | 239.7  | 246.0  |
| 70°   | 150.7  | 155.9  | 157.0  | 161.2  | 163.3  | 168.5  | 176.9  | 186.3  | 197.8  | 207.2  | 212.5  |
| 72.5° | 120.4  | 127.7  | 129.8  | 136.1  | 139.2  | 144.4  | 150.7  | 158.0  | 165.4  | 169.6  | 173.7  |
| 75°   | 98.4   | 100.5  | 101.5  | 106.8  | 112.0  | 119.3  | 122.5  | 126.6  | 132.9  | 138.2  | 142.3  |
| 77.5° | 81.6   | 82.7   | 83.7   | 83.7   | 84.8   | 89.0   | 95.2   | 100.5  | 104.7  | 106.8  | 109.9  |
| 80°   | 65.9   | 64.9   | 64.9   | 65.9   | 65.9   | 65.9   | 68.0   | 75.4   | 77.5   | 82.7   | 81.6   |
| 82.5° | 51.3   | 49.2   | 50.2   | 49.2   | 49.2   | 49.2   | 49.2   | 50.2   | 50.2   | 53.4   | 55.5   |
| 85°   | 33.5   | 34.5   | 33.5   | 33.5   | 32.4   | 33.5   | 32.4   | 32.4   | 31.4   | 31.4   | 30.4   |
| 87.5° | 17.8   | 18.8   | 17.8   | 17.8   | 16.7   | 17.8   | 16.7   | 16.7   | 15.7   | 15.7   | 13.6   |
| 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: P1037564

CATALOG NUMBER: S123RDS-B775DB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1222.5 | 1222.5 | 1222.5 | 1222.5 |
| 2.5°  | 1191.1 | 1198.4 | 1213.0 | 1225.6 |
| 5°    | 1165.9 | 1177.5 | 1199.4 | 1221.4 |
| 7.5°  | 1135.6 | 1153.4 | 1181.6 | 1212.0 |
| 10°   | 1106.3 | 1129.3 | 1163.9 | 1199.4 |
| 12.5° | 1077.0 | 1101.1 | 1137.7 | 1183.7 |
| 15°   | 1042.4 | 1067.6 | 1111.5 | 1167.0 |
| 17.5° | 1012.1 | 1045.6 | 1085.4 | 1140.8 |
| 20°   | 979.6  | 1004.8 | 1056.0 | 1114.7 |
| 22.5° | 938.8  | 980.7  | 1028.8 | 1090.6 |
| 25°   | 906.4  | 943.0  | 991.2  | 1061.3 |
| 27.5° | 866.6  | 909.5  | 968.1  | 1029.9 |
| 30°   | 834.2  | 869.7  | 924.2  | 998.5  |
| 32.5° | 796.5  | 838.3  | 894.9  | 968.1  |
| 35°   | 763.0  | 798.6  | 852.0  | 926.3  |
| 37.5° | 723.2  | 761.9  | 821.6  | 887.5  |
| 40°   | 688.7  | 726.4  | 782.9  | 844.6  |
| 42.5° | 646.8  | 686.6  | 743.1  | 795.4  |
| 45°   | 613.3  | 650.0  | 695.0  | 743.1  |
| 47.5° | 572.5  | 611.2  | 655.2  | 688.7  |
| 50°   | 535.9  | 571.5  | 606.0  | 634.3  |
| 52.5° | 496.1  | 528.5  | 559.9  | 580.9  |
| 55°   | 459.5  | 484.6  | 509.7  | 524.4  |
| 57.5° | 416.6  | 440.6  | 461.6  | 469.9  |
| 60°   | 378.9  | 398.8  | 412.4  | 421.8  |
| 62.5° | 339.1  | 353.8  | 364.2  | 369.5  |
| 65°   | 300.4  | 310.8  | 316.1  | 321.3  |
| 67.5° | 260.6  | 270.0  | 273.2  | 279.4  |
| 70°   | 218.7  | 229.2  | 231.3  | 234.4  |
| 72.5° | 187.3  | 187.3  | 191.5  | 195.7  |
| 75°   | 149.7  | 151.8  | 153.9  | 153.9  |
| 77.5° | 117.2  | 117.2  | 119.3  | 120.4  |
| 80°   | 85.8   | 86.9   | 86.9   | 85.8   |
| 82.5° | 58.6   | 60.7   | 58.6   | 57.6   |
| 85°   | 32.4   | 36.6   | 34.5   | 34.5   |
| 87.5° | 13.6   | 13.6   | 15.7   | 13.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)