

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: P987514

Luminaire Tested: S122DR-B675DB2750-4F0-XX-W2A-A\_4000K

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P987514  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DR-B675DB2750-4F0-XX-W2A-A\_4000K  
Description: Define 2 Direct Recessed with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

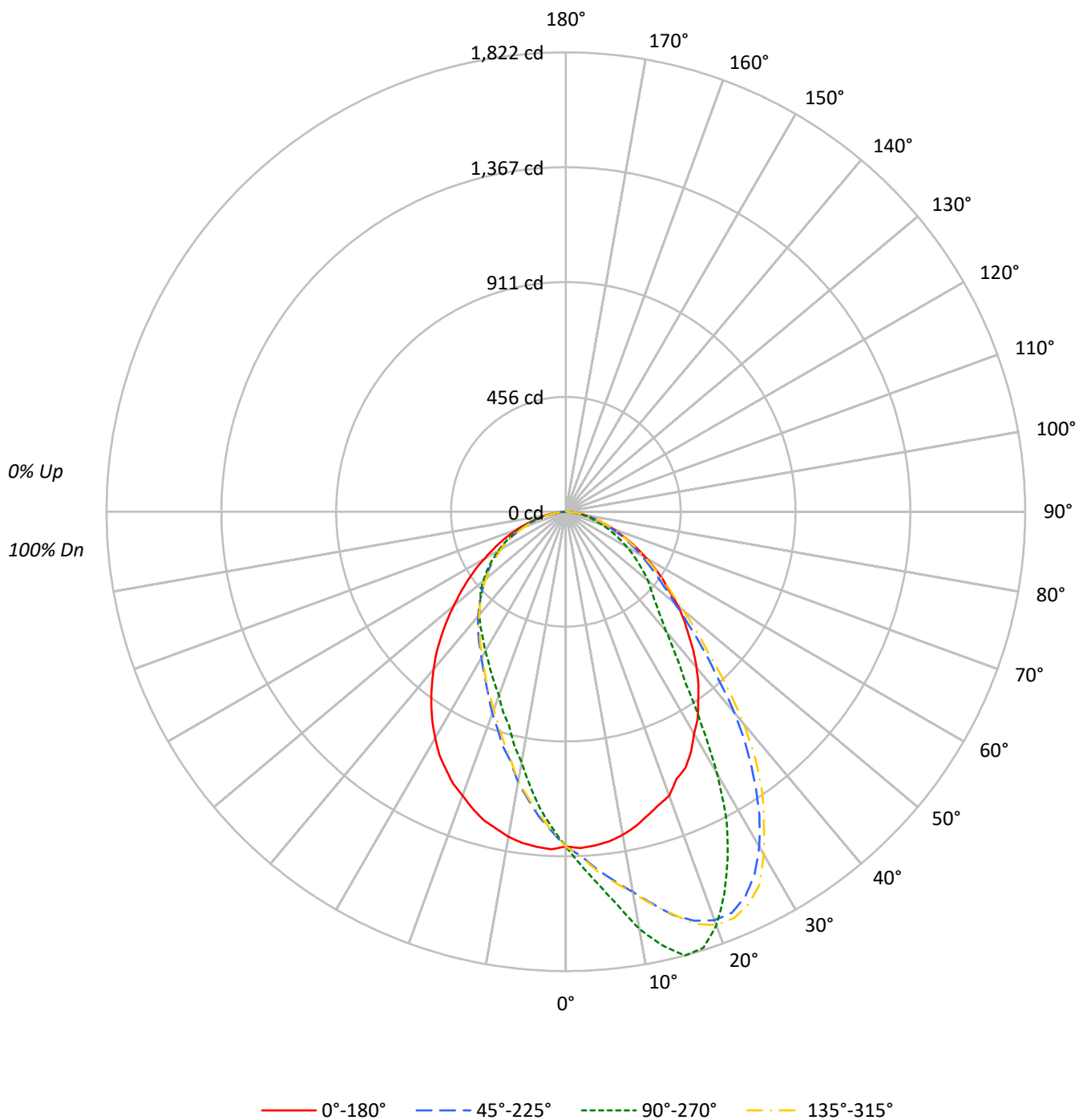
Lumens per Lamp: N/A  
Luminaire Lumens: 2929.0 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 35.9  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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: P987514

CATALOG NUMBER: S122DR-B675DB2750-4F0-XX-W2A-A\_4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P987514

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  |    |    |
| 2   | 101 | 94  | 87  | 82  | 98  | 92  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 74  |    |    |
| 3   | 93  | 83  | 76  | 70  | 90  | 82  | 75  | 69  | 79  | 73  | 68  | 76  | 71  | 67  | 74  | 69  | 66  | 64  |    |    |
| 4   | 86  | 75  | 66  | 60  | 83  | 73  | 66  | 60  | 71  | 64  | 59  | 69  | 63  | 58  | 66  | 62  | 58  | 55  |    |    |
| 5   | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 52  | 64  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 51  | 49  |    |    |
| 6   | 74  | 61  | 53  | 47  | 72  | 60  | 52  | 46  | 58  | 51  | 46  | 57  | 51  | 46  | 55  | 50  | 45  | 43  |    |    |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 47  | 42  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 39  |    |    |
| 8   | 64  | 51  | 43  | 38  | 63  | 51  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 35  |    |    |
| 9   | 60  | 47  | 39  | 34  | 59  | 47  | 39  | 34  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 32  |    |    |
| 10  | 56  | 44  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 41  | 35  | 31  | 29  |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 21015 | 21015 | 21015 | 21015 |
| 5°  | 21111 | 23560 | 21192 | 18744 |
| 10° | 20912 | 26997 | 21043 | 16221 |
| 15° | 20452 | 29867 | 20735 | 14331 |
| 20° | 20181 | 29410 | 20181 | 13063 |
| 25° | 19586 | 26520 | 19675 | 12261 |
| 30° | 18576 | 21915 | 18931 | 11676 |
| 35° | 17687 | 15971 | 17983 | 11260 |
| 40° | 16657 | 12758 | 16847 | 11028 |
| 45° | 15372 | 11148 | 15625 | 10714 |
| 50° | 14273 | 10478 | 14298 | 10503 |
| 55° | 13009 | 9659  | 13095 | 10222 |
| 60° | 11663 | 8852  | 11824 | 9789  |
| 65° | 10472 | 8064  | 10664 | 9364  |
| 70° | 9303  | 7322  | 9539  | 8738  |
| 75° | 7987  | 6489  | 8299  | 7737  |
| 80° | 6509  | 5579  | 6974  | 6235  |
| 85° | 4813  | 5013  | 5194  | 3705  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 155°

Vertical Angle: 45°

Luminance: 27434 cd/sqm

TEST NUMBER: P987514

CATALOG NUMBER: S122DR-B675DB2750-4F0-XX-W2A-A\_4000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 126.4  | 4.3       |
| 10°-20°   | 368.0  | 12.6      |
| 20°-30°   | 534.1  | 18.2      |
| 30°-40°   | 563.1  | 19.2      |
| 40°-50°   | 498.3  | 17.0      |
| 50°-60°   | 397.9  | 13.6      |
| 60°-70°   | 270.2  | 9.2       |
| 70°-80°   | 138.3  | 4.7       |
| 80°-90°   | 32.7   | 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°    | 1028.6 | 35.1      |
| 0°-40°    | 1591.7 | 54.3      |
| 0°-60°    | 2487.8 | 84.9      |
| 0°-90°    | 2929.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2929.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1328 | 1328 | 1328 | 1328 | 1328 |      |
| 5°  | 1329 | 1483 | 1334 | 1180 | 1329 | 126  |
| 15° | 1248 | 1822 | 1265 | 874  | 1248 | 352  |
| 25° | 1121 | 1518 | 1126 | 702  | 1121 | 513  |
| 35° | 915  | 826  | 931  | 583  | 915  | 573  |
| 45° | 687  | 498  | 698  | 479  | 687  | 533  |
| 55° | 471  | 350  | 474  | 370  | 471  | 421  |
| 65° | 280  | 215  | 285  | 250  | 280  | 278  |
| 75° | 131  | 106  | 136  | 126  | 131  | 140  |
| 85° | 26   | 28   | 29   | 20   | 26   | 32   |
| 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°    | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 |
| 2.5°  | 1334.7 | 1337.8 | 1342.9 | 1343.9 | 1354.1 | 1362.3 | 1371.4 | 1371.4 | 1374.5 | 1373.5 | 1365.3 |
| 5°    | 1328.6 | 1337.8 | 1351.0 | 1362.3 | 1380.6 | 1388.8 | 1401.0 | 1410.2 | 1418.4 | 1424.5 | 1423.5 |
| 7.5°  | 1318.4 | 1334.7 | 1354.1 | 1375.5 | 1400.0 | 1414.3 | 1431.6 | 1448.0 | 1459.2 | 1469.4 | 1476.5 |
| 10°   | 1301.0 | 1328.6 | 1355.1 | 1383.7 | 1415.3 | 1434.7 | 1455.1 | 1476.5 | 1493.9 | 1513.3 | 1531.6 |
| 12.5° | 1277.6 | 1317.4 | 1350.0 | 1387.8 | 1426.5 | 1448.0 | 1480.6 | 1496.9 | 1530.6 | 1579.6 | 1592.9 |
| 15°   | 1248.0 | 1302.0 | 1332.7 | 1380.6 | 1431.6 | 1449.0 | 1493.9 | 1520.4 | 1589.8 | 1620.4 | 1657.2 |
| 17.5° | 1220.4 | 1280.6 | 1321.4 | 1376.5 | 1426.5 | 1460.2 | 1504.1 | 1558.2 | 1616.3 | 1660.2 | 1701.0 |
| 20°   | 1198.0 | 1256.1 | 1305.1 | 1366.3 | 1429.6 | 1472.5 | 1518.4 | 1583.7 | 1646.9 | 1691.8 | 1723.5 |
| 22.5° | 1146.9 | 1221.4 | 1278.6 | 1346.9 | 1423.5 | 1482.7 | 1526.5 | 1598.0 | 1666.3 | 1693.9 | 1721.4 |
| 25°   | 1121.4 | 1185.7 | 1252.0 | 1329.6 | 1419.4 | 1489.8 | 1527.6 | 1607.2 | 1667.4 | 1677.6 | 1683.7 |
| 27.5° | 1074.5 | 1146.9 | 1224.5 | 1313.3 | 1418.4 | 1477.6 | 1525.5 | 1598.0 | 1645.9 | 1638.8 | 1620.4 |
| 30°   | 1016.3 | 1105.1 | 1190.8 | 1286.7 | 1404.1 | 1468.4 | 1513.3 | 1579.6 | 1604.1 | 1567.4 | 1534.7 |
| 32.5° | 973.5  | 1057.1 | 1152.0 | 1263.3 | 1387.8 | 1449.0 | 1492.9 | 1544.9 | 1550.0 | 1483.7 | 1428.6 |
| 35°   | 915.3  | 1008.2 | 1115.3 | 1232.7 | 1360.2 | 1415.3 | 1456.1 | 1487.8 | 1463.3 | 1370.4 | 1305.1 |
| 37.5° | 863.3  | 955.1  | 1069.4 | 1188.8 | 1322.5 | 1376.5 | 1409.2 | 1414.3 | 1354.1 | 1272.5 | 1176.5 |
| 40°   | 806.1  | 901.0  | 1020.4 | 1145.9 | 1280.6 | 1327.6 | 1348.0 | 1332.7 | 1245.9 | 1151.0 | 1039.8 |
| 42.5° | 749.0  | 842.9  | 971.4  | 1100.0 | 1227.6 | 1267.4 | 1275.5 | 1233.7 | 1127.6 | 1016.3 | 887.8  |
| 45°   | 686.7  | 784.7  | 913.3  | 1042.9 | 1166.3 | 1188.8 | 1189.8 | 1129.6 | 1004.1 | 887.8  | 768.4  |
| 47.5° | 635.7  | 726.5  | 854.1  | 983.7  | 1087.8 | 1103.1 | 1096.9 | 1027.6 | 890.8  | 760.2  | 656.1  |
| 50°   | 579.6  | 666.3  | 792.9  | 920.4  | 1009.2 | 1013.3 | 998.0  | 899.0  | 765.3  | 645.9  | 563.3  |
| 52.5° | 519.4  | 607.1  | 723.5  | 845.9  | 925.5  | 919.4  | 889.8  | 783.7  | 658.2  | 559.2  | 495.9  |
| 55°   | 471.4  | 549.0  | 658.2  | 777.6  | 833.7  | 816.3  | 783.7  | 675.5  | 576.5  | 492.9  | 437.8  |
| 57.5° | 418.4  | 486.7  | 593.9  | 698.0  | 730.6  | 714.3  | 681.6  | 580.6  | 488.8  | 425.5  | 388.8  |
| 60°   | 368.4  | 430.6  | 524.5  | 611.2  | 636.7  | 619.4  | 581.6  | 490.8  | 424.5  | 371.4  | 343.9  |
| 62.5° | 322.5  | 376.5  | 455.1  | 534.7  | 544.9  | 527.6  | 494.9  | 421.4  | 364.3  | 322.5  | 302.0  |
| 65°   | 279.6  | 330.6  | 393.9  | 454.1  | 463.3  | 444.9  | 411.2  | 358.2  | 310.2  | 283.7  | 264.3  |
| 67.5° | 237.8  | 278.6  | 334.7  | 378.6  | 383.7  | 366.3  | 338.8  | 295.9  | 266.3  | 237.8  | 223.5  |
| 70°   | 201.0  | 231.6  | 275.5  | 311.2  | 313.3  | 296.9  | 282.7  | 243.9  | 221.4  | 201.0  | 189.8  |
| 72.5° | 165.3  | 186.7  | 220.4  | 246.9  | 248.0  | 237.8  | 224.5  | 200.0  | 180.6  | 166.3  | 155.1  |
| 75°   | 130.6  | 149.0  | 169.4  | 192.9  | 191.8  | 183.7  | 173.5  | 158.2  | 141.8  | 132.7  | 127.6  |
| 77.5° | 100.0  | 111.2  | 127.6  | 142.9  | 142.9  | 138.8  | 132.7  | 121.4  | 111.2  | 102.0  | 96.9   |
| 80°   | 71.4   | 78.6   | 91.8   | 96.9   | 99.0   | 98.0   | 92.9   | 84.7   | 80.6   | 73.5   | 71.4   |
| 82.5° | 45.9   | 51.0   | 57.1   | 62.2   | 65.3   | 63.3   | 62.2   | 58.2   | 52.0   | 50.0   | 48.0   |
| 85°   | 26.5   | 28.6   | 31.6   | 34.7   | 35.7   | 34.7   | 36.7   | 33.7   | 30.6   | 30.6   | 29.6   |
| 87.5° | 11.2   | 12.2   | 14.3   | 14.3   | 15.3   | 15.3   | 14.3   | 15.3   | 15.3   | 14.3   | 13.3   |
| 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°    | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 |
| 2.5°  | 1379.6 | 1380.6 | 1382.7 | 1392.9 | 1398.0 | 1399.0 | 1394.9 | 1404.1 | 1407.2 | 1404.1 | 1402.0 |
| 5°    | 1444.9 | 1451.0 | 1463.3 | 1476.5 | 1475.5 | 1476.5 | 1482.7 | 1488.8 | 1490.8 | 1482.7 | 1485.7 |
| 7.5°  | 1502.1 | 1514.3 | 1527.6 | 1548.0 | 1548.0 | 1558.2 | 1562.3 | 1567.4 | 1579.6 | 1573.5 | 1571.4 |
| 10°   | 1567.4 | 1583.7 | 1608.2 | 1640.8 | 1641.8 | 1652.1 | 1662.3 | 1678.6 | 1683.7 | 1679.6 | 1681.6 |
| 12.5° | 1649.0 | 1680.6 | 1682.7 | 1718.4 | 1734.7 | 1736.7 | 1753.1 | 1750.0 | 1760.2 | 1760.2 | 1777.6 |
| 15°   | 1684.7 | 1733.7 | 1761.2 | 1795.9 | 1806.1 | 1793.9 | 1807.2 | 1821.4 | 1822.5 | 1822.5 | 1821.4 |
| 17.5° | 1749.0 | 1768.4 | 1795.9 | 1814.3 | 1818.4 | 1818.4 | 1819.4 | 1825.5 | 1821.4 | 1813.3 | 1819.4 |
| 20°   | 1762.3 | 1770.4 | 1780.6 | 1778.6 | 1780.6 | 1770.4 | 1760.2 | 1750.0 | 1751.0 | 1745.9 | 1761.2 |
| 22.5° | 1737.8 | 1735.7 | 1712.3 | 1696.9 | 1696.9 | 1676.5 | 1657.2 | 1648.0 | 1638.8 | 1641.8 | 1646.9 |
| 25°   | 1676.5 | 1644.9 | 1616.3 | 1593.9 | 1588.8 | 1556.1 | 1529.6 | 1521.4 | 1506.1 | 1518.4 | 1520.4 |
| 27.5° | 1578.6 | 1542.9 | 1496.9 | 1477.6 | 1451.0 | 1437.8 | 1419.4 | 1394.9 | 1363.3 | 1381.6 | 1378.6 |
| 30°   | 1473.5 | 1420.4 | 1382.7 | 1335.7 | 1293.9 | 1290.8 | 1256.1 | 1215.3 | 1199.0 | 1199.0 | 1208.2 |
| 32.5° | 1356.1 | 1285.7 | 1230.6 | 1164.3 | 1123.5 | 1106.1 | 1064.3 | 1023.5 | 1032.7 | 1002.0 | 1013.3 |
| 35°   | 1219.4 | 1126.5 | 1057.1 | 992.9  | 962.3  | 941.8  | 887.8  | 865.3  | 840.8  | 826.5  | 853.1  |
| 37.5° | 1088.8 | 981.6  | 892.9  | 822.5  | 811.2  | 774.5  | 737.8  | 723.5  | 709.2  | 715.3  | 714.3  |
| 40°   | 929.6  | 834.7  | 755.1  | 700.0  | 680.6  | 663.3  | 638.8  | 621.4  | 612.2  | 617.4  | 618.4  |
| 42.5° | 785.7  | 706.1  | 646.9  | 608.2  | 591.8  | 579.6  | 567.4  | 553.1  | 550.0  | 550.0  | 554.1  |
| 45°   | 674.5  | 609.2  | 569.4  | 537.8  | 528.6  | 519.4  | 510.2  | 504.1  | 502.0  | 498.0  | 501.0  |
| 47.5° | 585.7  | 533.7  | 509.2  | 485.7  | 475.5  | 473.5  | 465.3  | 462.2  | 458.2  | 457.1  | 458.2  |
| 50°   | 511.2  | 478.6  | 456.1  | 442.9  | 435.7  | 432.7  | 428.6  | 422.5  | 420.4  | 425.5  | 423.5  |
| 52.5° | 459.2  | 428.6  | 416.3  | 403.1  | 399.0  | 394.9  | 388.8  | 389.8  | 388.8  | 386.7  | 386.7  |
| 55°   | 407.1  | 387.8  | 375.5  | 365.3  | 364.3  | 360.2  | 355.1  | 353.1  | 352.0  | 350.0  | 353.1  |
| 57.5° | 365.3  | 350.0  | 338.8  | 329.6  | 325.5  | 325.5  | 320.4  | 316.3  | 316.3  | 315.3  | 316.3  |
| 60°   | 323.5  | 308.2  | 301.0  | 291.8  | 288.8  | 287.8  | 284.7  | 282.7  | 279.6  | 279.6  | 279.6  |
| 62.5° | 284.7  | 272.5  | 264.3  | 256.1  | 257.1  | 252.0  | 248.0  | 245.9  | 245.9  | 246.9  | 246.9  |
| 65°   | 248.0  | 239.8  | 229.6  | 222.5  | 220.4  | 219.4  | 217.3  | 216.3  | 213.3  | 215.3  | 215.3  |
| 67.5° | 214.3  | 203.1  | 196.9  | 193.9  | 190.8  | 189.8  | 187.8  | 185.7  | 184.7  | 183.7  | 185.7  |
| 70°   | 180.6  | 171.4  | 166.3  | 164.3  | 161.2  | 160.2  | 159.2  | 156.1  | 157.1  | 158.2  | 159.2  |
| 72.5° | 150.0  | 141.8  | 140.8  | 134.7  | 134.7  | 134.7  | 130.6  | 132.7  | 131.6  | 129.6  | 131.6  |
| 75°   | 118.4  | 114.3  | 112.2  | 109.2  | 110.2  | 109.2  | 108.2  | 105.1  | 105.1  | 106.1  | 107.1  |
| 77.5° | 93.9   | 89.8   | 88.8   | 85.7   | 83.7   | 85.7   | 83.7   | 82.7   | 82.7   | 83.7   | 83.7   |
| 80°   | 69.4   | 67.3   | 64.3   | 64.3   | 64.3   | 63.3   | 63.3   | 63.3   | 62.2   | 61.2   | 62.2   |
| 82.5° | 45.9   | 45.9   | 44.9   | 43.9   | 44.9   | 42.9   | 43.9   | 43.9   | 43.9   | 43.9   | 43.9   |
| 85°   | 29.6   | 28.6   | 28.6   | 27.6   | 27.6   | 27.6   | 28.6   | 26.5   | 26.5   | 27.6   | 27.6   |
| 87.5° | 13.3   | 13.3   | 13.3   | 14.3   | 13.3   | 13.3   | 13.3   | 14.3   | 13.3   | 13.3   | 13.3   |
| 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°    | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 |
| 2.5°  | 1407.2 | 1400.0 | 1393.9 | 1394.9 | 1400.0 | 1395.9 | 1385.7 | 1372.5 | 1367.4 | 1361.2 | 1367.4 |
| 5°    | 1491.8 | 1485.7 | 1473.5 | 1474.5 | 1471.4 | 1467.4 | 1451.0 | 1430.6 | 1430.6 | 1414.3 | 1412.3 |
| 7.5°  | 1575.5 | 1566.3 | 1558.2 | 1556.1 | 1544.9 | 1536.7 | 1522.5 | 1493.9 | 1482.7 | 1463.3 | 1452.0 |
| 10°   | 1669.4 | 1662.3 | 1653.1 | 1641.8 | 1635.7 | 1621.4 | 1598.0 | 1556.1 | 1535.7 | 1509.2 | 1489.8 |
| 12.5° | 1764.3 | 1763.3 | 1742.9 | 1720.4 | 1719.4 | 1696.9 | 1680.6 | 1624.5 | 1596.9 | 1561.2 | 1515.3 |
| 15°   | 1824.5 | 1819.4 | 1808.2 | 1796.9 | 1800.0 | 1775.5 | 1738.8 | 1672.5 | 1654.1 | 1611.2 | 1562.3 |
| 17.5° | 1823.5 | 1823.5 | 1820.4 | 1818.4 | 1815.3 | 1808.2 | 1787.8 | 1743.9 | 1714.3 | 1660.2 | 1614.3 |
| 20°   | 1765.3 | 1778.6 | 1781.6 | 1780.6 | 1790.8 | 1795.9 | 1794.9 | 1767.4 | 1743.9 | 1695.9 | 1649.0 |
| 22.5° | 1649.0 | 1679.6 | 1692.9 | 1701.0 | 1722.5 | 1733.7 | 1760.2 | 1750.0 | 1743.9 | 1708.2 | 1668.4 |
| 25°   | 1540.8 | 1551.0 | 1590.8 | 1592.9 | 1622.5 | 1650.0 | 1676.5 | 1693.9 | 1716.3 | 1703.1 | 1669.4 |
| 27.5° | 1401.0 | 1424.5 | 1453.1 | 1474.5 | 1480.6 | 1536.7 | 1580.6 | 1613.3 | 1664.3 | 1668.4 | 1657.2 |
| 30°   | 1242.9 | 1254.1 | 1301.0 | 1329.6 | 1362.3 | 1403.1 | 1466.3 | 1522.5 | 1568.4 | 1610.2 | 1624.5 |
| 32.5° | 1050.0 | 1095.9 | 1123.5 | 1158.2 | 1186.7 | 1259.2 | 1336.7 | 1409.2 | 1462.3 | 1532.7 | 1563.3 |
| 35°   | 873.5  | 909.2  | 956.1  | 970.4  | 1022.5 | 1083.7 | 1184.7 | 1277.6 | 1358.2 | 1429.6 | 1491.8 |
| 37.5° | 727.6  | 756.1  | 806.1  | 828.6  | 859.2  | 937.8  | 1022.5 | 1137.8 | 1234.7 | 1322.5 | 1400.0 |
| 40°   | 627.6  | 649.0  | 686.7  | 693.9  | 719.4  | 790.8  | 859.2  | 967.4  | 1095.9 | 1214.3 | 1299.0 |
| 42.5° | 559.2  | 569.4  | 594.9  | 604.1  | 620.4  | 668.4  | 729.6  | 831.6  | 951.0  | 1073.5 | 1192.9 |
| 45°   | 510.2  | 517.4  | 532.7  | 540.8  | 561.2  | 582.7  | 632.7  | 714.3  | 808.2  | 931.6  | 1060.2 |
| 47.5° | 466.3  | 475.5  | 481.6  | 486.7  | 498.0  | 521.4  | 554.1  | 614.3  | 704.1  | 817.4  | 941.8  |
| 50°   | 429.6  | 432.7  | 443.9  | 444.9  | 452.0  | 467.3  | 498.0  | 534.7  | 606.1  | 698.0  | 818.4  |
| 52.5° | 392.9  | 395.9  | 403.1  | 410.2  | 413.3  | 425.5  | 445.9  | 476.5  | 529.6  | 602.0  | 709.2  |
| 55°   | 356.1  | 360.2  | 367.3  | 372.5  | 375.5  | 385.7  | 398.0  | 427.6  | 469.4  | 520.4  | 608.2  |
| 57.5° | 319.4  | 328.6  | 330.6  | 333.7  | 338.8  | 350.0  | 361.2  | 378.6  | 411.2  | 458.2  | 522.5  |
| 60°   | 284.7  | 287.8  | 294.9  | 298.0  | 303.1  | 309.2  | 323.5  | 336.7  | 360.2  | 396.9  | 455.1  |
| 62.5° | 249.0  | 256.1  | 259.2  | 262.2  | 266.3  | 273.5  | 282.7  | 296.9  | 317.3  | 346.9  | 392.9  |
| 65°   | 218.4  | 219.4  | 225.5  | 229.6  | 233.7  | 238.8  | 248.0  | 261.2  | 273.5  | 301.0  | 334.7  |
| 67.5° | 188.8  | 190.8  | 192.9  | 196.9  | 202.0  | 207.1  | 215.3  | 222.5  | 237.8  | 256.1  | 282.7  |
| 70°   | 160.2  | 160.2  | 165.3  | 168.4  | 167.3  | 173.5  | 179.6  | 187.8  | 199.0  | 216.3  | 237.8  |
| 72.5° | 134.7  | 133.7  | 137.8  | 138.8  | 140.8  | 144.9  | 149.0  | 157.1  | 163.3  | 176.5  | 192.9  |
| 75°   | 107.1  | 109.2  | 111.2  | 111.2  | 114.3  | 117.3  | 121.4  | 125.5  | 132.7  | 140.8  | 153.1  |
| 77.5° | 84.7   | 84.7   | 86.7   | 87.8   | 90.8   | 89.8   | 93.9   | 98.0   | 103.1  | 110.2  | 119.4  |
| 80°   | 62.2   | 64.3   | 64.3   | 64.3   | 65.3   | 66.3   | 70.4   | 73.5   | 76.5   | 81.6   | 85.7   |
| 82.5° | 43.9   | 43.9   | 45.9   | 45.9   | 45.9   | 48.0   | 48.0   | 49.0   | 51.0   | 54.1   | 57.1   |
| 85°   | 27.6   | 27.6   | 27.6   | 28.6   | 27.6   | 28.6   | 30.6   | 29.6   | 30.6   | 32.7   | 32.7   |
| 87.5° | 13.3   | 13.3   | 13.3   | 13.3   | 13.3   | 14.3   | 13.3   | 14.3   | 15.3   | 15.3   | 15.3   |
| 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: P987514

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**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 |
| 2.5°  | 1362.3 | 1357.2 | 1354.1 | 1356.1 | 1350.0 | 1334.7 | 1334.7 | 1339.8 | 1333.7 | 1327.6 | 1318.4 |
| 5°    | 1400.0 | 1389.8 | 1383.7 | 1382.7 | 1368.4 | 1343.9 | 1338.8 | 1333.7 | 1320.4 | 1306.1 | 1290.8 |
| 7.5°  | 1436.7 | 1418.4 | 1408.2 | 1401.0 | 1380.6 | 1349.0 | 1335.7 | 1324.5 | 1303.1 | 1281.6 | 1262.3 |
| 10°   | 1467.4 | 1440.8 | 1428.6 | 1417.4 | 1390.8 | 1351.0 | 1329.6 | 1309.2 | 1281.6 | 1254.1 | 1229.6 |
| 12.5° | 1491.8 | 1461.2 | 1445.9 | 1429.6 | 1396.9 | 1344.9 | 1318.4 | 1285.7 | 1258.2 | 1221.4 | 1196.9 |
| 15°   | 1532.7 | 1469.4 | 1455.1 | 1439.8 | 1406.1 | 1334.7 | 1302.0 | 1265.3 | 1227.6 | 1178.6 | 1152.0 |
| 17.5° | 1565.3 | 1480.6 | 1479.6 | 1446.9 | 1403.1 | 1330.6 | 1280.6 | 1232.7 | 1191.8 | 1142.9 | 1101.0 |
| 20°   | 1584.7 | 1498.0 | 1481.6 | 1448.0 | 1392.9 | 1303.1 | 1251.0 | 1198.0 | 1154.1 | 1094.9 | 1053.1 |
| 22.5° | 1601.0 | 1522.5 | 1479.6 | 1438.8 | 1371.4 | 1293.9 | 1217.4 | 1167.4 | 1107.1 | 1042.9 | 1003.1 |
| 25°   | 1607.2 | 1527.6 | 1482.7 | 1435.7 | 1356.1 | 1267.4 | 1180.6 | 1126.5 | 1059.2 | 1001.0 | 946.9  |
| 27.5° | 1608.2 | 1526.5 | 1471.4 | 1422.5 | 1334.7 | 1232.7 | 1143.9 | 1086.7 | 1012.3 | 944.9  | 890.8  |
| 30°   | 1598.0 | 1515.3 | 1465.3 | 1412.3 | 1314.3 | 1201.0 | 1099.0 | 1035.7 | 956.1  | 888.8  | 832.7  |
| 32.5° | 1567.4 | 1492.9 | 1452.0 | 1393.9 | 1287.8 | 1157.2 | 1056.1 | 985.7  | 902.0  | 835.7  | 781.6  |
| 35°   | 1516.3 | 1465.3 | 1420.4 | 1366.3 | 1253.1 | 1116.3 | 1013.3 | 930.6  | 845.9  | 782.7  | 731.6  |
| 37.5° | 1453.1 | 1425.5 | 1383.7 | 1330.6 | 1213.3 | 1079.6 | 965.3  | 873.5  | 788.8  | 727.6  | 677.6  |
| 40°   | 1367.4 | 1374.5 | 1333.7 | 1285.7 | 1166.3 | 1029.6 | 903.1  | 815.3  | 735.7  | 678.6  | 629.6  |
| 42.5° | 1274.5 | 1304.1 | 1280.6 | 1234.7 | 1114.3 | 974.5  | 857.1  | 760.2  | 682.7  | 623.5  | 582.7  |
| 45°   | 1174.5 | 1225.5 | 1211.2 | 1177.6 | 1060.2 | 916.3  | 791.8  | 698.0  | 629.6  | 572.5  | 536.7  |
| 47.5° | 1065.3 | 1137.8 | 1137.8 | 1113.3 | 1000.0 | 858.2  | 735.7  | 639.8  | 572.5  | 531.6  | 496.9  |
| 50°   | 954.1  | 1035.7 | 1049.0 | 1032.7 | 932.7  | 791.8  | 667.4  | 580.6  | 522.5  | 482.7  | 457.1  |
| 52.5° | 837.8  | 932.7  | 957.1  | 949.0  | 861.2  | 728.6  | 611.2  | 526.5  | 473.5  | 438.8  | 416.3  |
| 55°   | 726.5  | 836.7  | 863.3  | 866.3  | 784.7  | 659.2  | 549.0  | 474.5  | 423.5  | 400.0  | 380.6  |
| 57.5° | 621.4  | 727.6  | 757.1  | 762.2  | 707.1  | 595.9  | 490.8  | 425.5  | 379.6  | 360.2  | 344.9  |
| 60°   | 531.6  | 620.4  | 659.2  | 670.4  | 622.5  | 522.5  | 436.7  | 373.5  | 338.8  | 320.4  | 306.1  |
| 62.5° | 458.2  | 529.6  | 570.4  | 573.5  | 552.0  | 458.2  | 380.6  | 327.6  | 298.0  | 281.6  | 274.5  |
| 65°   | 386.7  | 451.0  | 475.5  | 487.8  | 470.4  | 396.9  | 328.6  | 284.7  | 261.2  | 246.9  | 239.8  |
| 67.5° | 329.6  | 370.4  | 390.8  | 407.1  | 389.8  | 334.7  | 279.6  | 243.9  | 226.5  | 212.2  | 208.2  |
| 70°   | 270.4  | 304.1  | 319.4  | 335.7  | 320.4  | 278.6  | 238.8  | 206.1  | 190.8  | 179.6  | 174.5  |
| 72.5° | 216.3  | 242.9  | 257.1  | 267.3  | 258.2  | 223.5  | 190.8  | 168.4  | 157.1  | 149.0  | 145.9  |
| 75°   | 171.4  | 189.8  | 198.0  | 205.1  | 201.0  | 174.5  | 154.1  | 135.7  | 125.5  | 118.4  | 116.3  |
| 77.5° | 130.6  | 143.9  | 153.1  | 155.1  | 150.0  | 132.7  | 115.3  | 104.1  | 95.9   | 91.8   | 89.8   |
| 80°   | 92.9   | 101.0  | 106.1  | 109.2  | 104.1  | 96.9   | 84.7   | 76.5   | 69.4   | 64.3   | 63.3   |
| 82.5° | 62.2   | 66.3   | 70.4   | 69.4   | 67.3   | 61.2   | 54.1   | 50.0   | 46.9   | 42.9   | 42.9   |
| 85°   | 35.7   | 36.7   | 38.8   | 39.8   | 38.8   | 34.7   | 30.6   | 28.6   | 26.5   | 23.5   | 23.5   |
| 87.5° | 15.3   | 16.3   | 16.3   | 17.3   | 15.3   | 15.3   | 13.3   | 11.2   | 11.2   | 10.2   | 9.2    |
| 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: P987514

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**CANDELA DISTRIBUTION (continued):**

|       | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 |
| 2.5°  | 1313.3 | 1318.4 | 1317.4 | 1307.2 | 1295.9 | 1286.7 | 1269.4 | 1271.4 | 1265.3 | 1266.3 | 1272.5 |
| 5°    | 1280.6 | 1280.6 | 1276.5 | 1262.3 | 1243.9 | 1233.7 | 1214.3 | 1209.2 | 1196.9 | 1195.9 | 1194.9 |
| 7.5°  | 1245.9 | 1240.8 | 1235.7 | 1215.3 | 1192.9 | 1176.5 | 1150.0 | 1143.9 | 1131.6 | 1123.5 | 1119.4 |
| 10°   | 1205.1 | 1198.0 | 1187.8 | 1164.3 | 1136.7 | 1116.3 | 1088.8 | 1080.6 | 1057.1 | 1046.9 | 1040.8 |
| 12.5° | 1160.2 | 1156.1 | 1139.8 | 1120.4 | 1075.5 | 1053.1 | 1013.3 | 1021.4 | 998.0  | 977.6  | 974.5  |
| 15°   | 1115.3 | 1100.0 | 1090.8 | 1059.2 | 1005.1 | 994.9  | 963.3  | 946.9  | 925.5  | 909.2  | 909.2  |
| 17.5° | 1071.4 | 1048.0 | 1027.6 | 993.9  | 954.1  | 925.5  | 902.0  | 893.9  | 867.4  | 851.0  | 848.0  |
| 20°   | 1013.3 | 986.7  | 981.6  | 933.7  | 906.1  | 874.5  | 852.0  | 831.6  | 812.2  | 805.1  | 800.0  |
| 22.5° | 958.2  | 927.6  | 919.4  | 878.6  | 851.0  | 819.4  | 796.9  | 782.7  | 768.4  | 763.3  | 754.1  |
| 25°   | 899.0  | 880.6  | 868.4  | 824.5  | 793.9  | 764.3  | 749.0  | 738.8  | 725.5  | 724.5  | 718.4  |
| 27.5° | 841.8  | 824.5  | 812.2  | 770.4  | 748.0  | 720.4  | 708.2  | 696.9  | 689.8  | 686.7  | 683.7  |
| 30°   | 792.9  | 773.5  | 759.2  | 728.6  | 701.0  | 678.6  | 668.4  | 661.2  | 657.1  | 652.0  | 651.0  |
| 32.5° | 738.8  | 727.6  | 708.2  | 684.7  | 663.3  | 641.8  | 635.7  | 630.6  | 624.5  | 622.5  | 621.4  |
| 35°   | 692.9  | 677.6  | 665.3  | 638.8  | 629.6  | 611.2  | 604.1  | 600.0  | 591.8  | 589.8  | 587.8  |
| 37.5° | 648.0  | 633.7  | 620.4  | 604.1  | 586.7  | 576.5  | 572.5  | 566.3  | 562.2  | 563.3  | 561.2  |
| 40°   | 603.1  | 591.8  | 581.6  | 564.3  | 554.1  | 549.0  | 540.8  | 534.7  | 532.7  | 533.7  | 532.7  |
| 42.5° | 559.2  | 549.0  | 542.9  | 529.6  | 519.4  | 514.3  | 509.2  | 503.1  | 506.1  | 506.1  | 509.2  |
| 45°   | 519.4  | 510.2  | 506.1  | 495.9  | 489.8  | 481.6  | 476.5  | 475.5  | 479.6  | 478.6  | 478.6  |
| 47.5° | 478.6  | 475.5  | 470.4  | 461.2  | 453.1  | 448.0  | 446.9  | 446.9  | 451.0  | 453.1  | 452.0  |
| 50°   | 446.9  | 440.8  | 434.7  | 427.6  | 421.4  | 419.4  | 416.3  | 418.4  | 422.5  | 422.5  | 424.5  |
| 52.5° | 407.1  | 403.1  | 401.0  | 394.9  | 390.8  | 390.8  | 390.8  | 391.8  | 394.9  | 398.0  | 396.9  |
| 55°   | 372.5  | 369.4  | 367.3  | 364.3  | 359.2  | 360.2  | 359.2  | 361.2  | 364.3  | 367.3  | 369.4  |
| 57.5° | 335.7  | 334.7  | 332.7  | 327.6  | 327.6  | 326.5  | 329.6  | 330.6  | 335.7  | 337.8  | 340.8  |
| 60°   | 303.1  | 300.0  | 300.0  | 295.9  | 295.9  | 295.9  | 299.0  | 302.0  | 306.1  | 307.1  | 309.2  |
| 62.5° | 268.4  | 268.4  | 267.3  | 264.3  | 264.3  | 267.3  | 268.4  | 272.5  | 274.5  | 274.5  | 277.6  |
| 65°   | 235.7  | 234.7  | 233.7  | 234.7  | 235.7  | 235.7  | 238.8  | 240.8  | 242.9  | 243.9  | 244.9  |
| 67.5° | 203.1  | 202.0  | 204.1  | 203.1  | 205.1  | 209.2  | 208.2  | 211.2  | 214.3  | 214.3  | 215.3  |
| 70°   | 172.5  | 174.5  | 173.5  | 175.5  | 174.5  | 176.5  | 179.6  | 180.6  | 180.6  | 181.6  | 184.7  |
| 72.5° | 143.9  | 143.9  | 143.9  | 142.9  | 143.9  | 145.9  | 148.0  | 149.0  | 151.0  | 152.0  | 155.1  |
| 75°   | 116.3  | 116.3  | 114.3  | 116.3  | 116.3  | 118.4  | 120.4  | 120.4  | 120.4  | 122.4  | 125.5  |
| 77.5° | 87.8   | 88.8   | 87.8   | 89.8   | 89.8   | 90.8   | 92.9   | 91.8   | 93.9   | 94.9   | 95.9   |
| 80°   | 64.3   | 63.3   | 63.3   | 63.3   | 64.3   | 64.3   | 66.3   | 67.3   | 67.3   | 70.4   | 68.4   |
| 82.5° | 40.8   | 41.8   | 40.8   | 41.8   | 41.8   | 42.9   | 41.8   | 42.9   | 43.9   | 45.9   | 44.9   |
| 85°   | 23.5   | 22.4   | 22.4   | 23.5   | 22.4   | 22.4   | 23.5   | 22.4   | 23.5   | 22.4   | 23.5   |
| 87.5° | 9.2    | 8.2    | 8.2    | 8.2    | 8.2    | 7.1    | 7.1    | 6.1    | 6.1    | 6.1    | 5.1    |
| 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: P987514

CATALOG NUMBER: S122DR-B675DB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 |
| 2.5°  | 1265.3 | 1268.4 | 1261.2 | 1259.2 | 1261.2 | 1254.1 | 1256.1 | 1258.2 | 1258.2 | 1261.2 | 1263.3 |
| 5°    | 1191.8 | 1187.8 | 1180.6 | 1178.6 | 1176.5 | 1179.6 | 1177.6 | 1180.6 | 1181.6 | 1188.8 | 1189.8 |
| 7.5°  | 1119.4 | 1113.3 | 1107.1 | 1101.0 | 1099.0 | 1093.9 | 1099.0 | 1099.0 | 1106.1 | 1104.1 | 1109.2 |
| 10°   | 1033.7 | 1032.7 | 1024.5 | 1021.4 | 1017.4 | 1009.2 | 1020.4 | 1017.4 | 1022.5 | 1031.6 | 1033.7 |
| 12.5° | 970.4  | 959.2  | 964.3  | 950.0  | 955.1  | 946.9  | 948.0  | 948.0  | 956.1  | 957.1  | 955.1  |
| 15°   | 910.2  | 901.0  | 887.8  | 881.6  | 878.6  | 874.5  | 887.8  | 888.8  | 882.7  | 896.9  | 891.8  |
| 17.5° | 849.0  | 849.0  | 836.7  | 833.7  | 825.5  | 829.6  | 827.6  | 828.6  | 826.5  | 836.7  | 841.8  |
| 20°   | 795.9  | 790.8  | 786.7  | 787.8  | 777.6  | 775.5  | 773.5  | 775.5  | 782.7  | 789.8  | 791.8  |
| 22.5° | 753.1  | 750.0  | 739.8  | 741.8  | 733.7  | 736.7  | 734.7  | 739.8  | 740.8  | 740.8  | 748.0  |
| 25°   | 712.2  | 708.2  | 709.2  | 705.1  | 702.0  | 702.0  | 699.0  | 702.0  | 706.1  | 708.2  | 709.2  |
| 27.5° | 681.6  | 678.6  | 673.5  | 670.4  | 672.5  | 667.4  | 671.4  | 674.5  | 674.5  | 672.5  | 674.5  |
| 30°   | 644.9  | 646.9  | 646.9  | 636.7  | 640.8  | 638.8  | 641.8  | 643.9  | 643.9  | 644.9  | 642.9  |
| 32.5° | 620.4  | 614.3  | 613.3  | 612.2  | 612.2  | 608.2  | 608.2  | 611.2  | 612.2  | 613.3  | 616.3  |
| 35°   | 587.8  | 587.8  | 582.7  | 585.7  | 581.6  | 582.7  | 581.6  | 582.7  | 584.7  | 581.6  | 584.7  |
| 37.5° | 558.2  | 559.2  | 557.1  | 559.2  | 560.2  | 558.2  | 556.1  | 560.2  | 558.2  | 558.2  | 556.1  |
| 40°   | 532.7  | 531.6  | 532.7  | 532.7  | 532.7  | 533.7  | 531.6  | 531.6  | 531.6  | 529.6  | 527.6  |
| 42.5° | 511.2  | 505.1  | 507.1  | 508.2  | 505.1  | 505.1  | 506.1  | 505.1  | 508.2  | 502.0  | 502.0  |
| 45°   | 480.6  | 478.6  | 479.6  | 479.6  | 481.6  | 478.6  | 480.6  | 481.6  | 478.6  | 477.6  | 475.5  |
| 47.5° | 453.1  | 455.1  | 453.1  | 455.1  | 455.1  | 457.1  | 453.1  | 454.1  | 455.1  | 451.0  | 448.0  |
| 50°   | 425.5  | 425.5  | 428.6  | 427.6  | 428.6  | 426.5  | 426.5  | 425.5  | 426.5  | 424.5  | 421.4  |
| 52.5° | 400.0  | 396.9  | 402.0  | 401.0  | 400.0  | 399.0  | 398.0  | 399.0  | 396.9  | 394.9  | 394.9  |
| 55°   | 368.4  | 368.4  | 371.4  | 372.5  | 372.5  | 370.4  | 368.4  | 369.4  | 368.4  | 367.3  | 366.3  |
| 57.5° | 342.9  | 338.8  | 340.8  | 341.8  | 341.8  | 338.8  | 340.8  | 338.8  | 338.8  | 339.8  | 336.7  |
| 60°   | 310.2  | 310.2  | 308.2  | 311.2  | 311.2  | 309.2  | 309.2  | 310.2  | 308.2  | 307.1  | 306.1  |
| 62.5° | 275.5  | 276.5  | 279.6  | 280.6  | 281.6  | 279.6  | 277.6  | 278.6  | 278.6  | 275.5  | 276.5  |
| 65°   | 245.9  | 248.0  | 252.0  | 251.0  | 249.0  | 250.0  | 248.0  | 249.0  | 245.9  | 246.9  | 243.9  |
| 67.5° | 217.3  | 216.3  | 217.3  | 217.3  | 219.4  | 218.4  | 216.3  | 216.3  | 215.3  | 218.4  | 215.3  |
| 70°   | 186.7  | 186.7  | 186.7  | 186.7  | 187.8  | 188.8  | 186.7  | 184.7  | 185.7  | 183.7  | 182.7  |
| 72.5° | 155.1  | 156.1  | 155.1  | 157.1  | 154.1  | 156.1  | 156.1  | 155.1  | 154.1  | 154.1  | 154.1  |
| 75°   | 125.5  | 127.6  | 124.5  | 125.5  | 124.5  | 126.5  | 125.5  | 125.5  | 123.5  | 122.4  | 123.5  |
| 77.5° | 95.9   | 96.9   | 94.9   | 95.9   | 94.9   | 95.9   | 95.9   | 94.9   | 94.9   | 94.9   | 94.9   |
| 80°   | 68.4   | 69.4   | 68.4   | 67.3   | 66.3   | 68.4   | 66.3   | 67.3   | 68.4   | 67.3   | 69.4   |
| 82.5° | 43.9   | 43.9   | 42.9   | 43.9   | 41.8   | 41.8   | 42.9   | 42.9   | 41.8   | 43.9   | 41.8   |
| 85°   | 21.4   | 21.4   | 23.5   | 21.4   | 20.4   | 20.4   | 20.4   | 21.4   | 20.4   | 22.4   | 21.4   |
| 87.5° | 5.1    | 4.1    | 5.1    | 5.1    | 4.1    | 4.1    | 5.1    | 4.1    | 5.1    | 6.1    | 4.1    |
| 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: P987514

CATALOG NUMBER: S122DR-B675DB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 | 1327.6 |
| 2.5°  | 1260.2 | 1268.4 | 1265.3 | 1254.1 | 1267.4 | 1267.4 | 1276.5 | 1276.5 | 1287.8 | 1291.8 | 1298.0 |
| 5°    | 1188.8 | 1194.9 | 1200.0 | 1194.9 | 1204.1 | 1218.4 | 1226.5 | 1233.7 | 1249.0 | 1255.1 | 1264.3 |
| 7.5°  | 1112.3 | 1123.5 | 1128.6 | 1128.6 | 1143.9 | 1160.2 | 1176.5 | 1186.7 | 1208.2 | 1216.3 | 1225.5 |
| 10°   | 1037.8 | 1051.0 | 1061.2 | 1060.2 | 1085.7 | 1095.9 | 1116.3 | 1139.8 | 1161.2 | 1173.5 | 1186.7 |
| 12.5° | 959.2  | 966.3  | 980.6  | 1001.0 | 1007.1 | 1025.5 | 1049.0 | 1078.6 | 1117.4 | 1128.6 | 1148.0 |
| 15°   | 893.9  | 913.3  | 924.5  | 933.7  | 948.0  | 965.3  | 990.8  | 1019.4 | 1058.2 | 1082.7 | 1103.1 |
| 17.5° | 838.8  | 864.3  | 871.4  | 869.4  | 887.8  | 914.3  | 943.9  | 965.3  | 1000.0 | 1029.6 | 1049.0 |
| 20°   | 793.9  | 804.1  | 816.3  | 821.4  | 835.7  | 864.3  | 892.9  | 917.4  | 945.9  | 969.4  | 991.8  |
| 22.5° | 749.0  | 757.1  | 767.4  | 776.5  | 787.8  | 804.1  | 831.6  | 862.3  | 889.8  | 912.3  | 937.8  |
| 25°   | 712.2  | 717.4  | 726.5  | 733.7  | 745.9  | 757.1  | 776.5  | 810.2  | 842.9  | 856.1  | 878.6  |
| 27.5° | 676.5  | 680.6  | 686.7  | 694.9  | 701.0  | 712.2  | 729.6  | 757.1  | 790.8  | 804.1  | 834.7  |
| 30°   | 644.9  | 648.0  | 654.1  | 658.2  | 661.2  | 674.5  | 687.8  | 709.2  | 734.7  | 753.1  | 775.5  |
| 32.5° | 615.3  | 618.4  | 624.5  | 625.5  | 629.6  | 636.7  | 649.0  | 668.4  | 690.8  | 706.1  | 725.5  |
| 35°   | 582.7  | 584.7  | 590.8  | 592.9  | 595.9  | 602.0  | 611.2  | 625.5  | 645.9  | 657.1  | 674.5  |
| 37.5° | 557.1  | 556.1  | 560.2  | 563.3  | 567.4  | 570.4  | 573.5  | 587.8  | 603.1  | 613.3  | 626.5  |
| 40°   | 529.6  | 527.6  | 528.6  | 532.7  | 534.7  | 538.8  | 538.8  | 553.1  | 563.3  | 571.4  | 581.6  |
| 42.5° | 502.0  | 501.0  | 499.0  | 501.0  | 503.1  | 504.1  | 505.1  | 515.3  | 525.5  | 532.7  | 543.9  |
| 45°   | 474.5  | 473.5  | 471.4  | 472.5  | 472.5  | 474.5  | 477.6  | 481.6  | 488.8  | 494.9  | 501.0  |
| 47.5° | 449.0  | 446.9  | 443.9  | 442.9  | 444.9  | 444.9  | 444.9  | 449.0  | 456.1  | 458.2  | 464.3  |
| 50°   | 422.5  | 419.4  | 415.3  | 413.3  | 413.3  | 412.2  | 414.3  | 415.3  | 421.4  | 423.5  | 428.6  |
| 52.5° | 393.9  | 391.8  | 387.8  | 383.7  | 384.7  | 382.7  | 383.7  | 384.7  | 386.7  | 389.8  | 392.9  |
| 55°   | 365.3  | 361.2  | 358.2  | 357.1  | 354.1  | 354.1  | 351.0  | 355.1  | 354.1  | 355.1  | 359.2  |
| 57.5° | 337.8  | 333.7  | 328.6  | 326.5  | 323.5  | 322.5  | 320.4  | 319.4  | 320.4  | 323.5  | 326.5  |
| 60°   | 305.1  | 303.1  | 300.0  | 296.9  | 294.9  | 291.8  | 289.8  | 289.8  | 288.8  | 288.8  | 289.8  |
| 62.5° | 273.5  | 272.5  | 268.4  | 267.3  | 265.3  | 263.3  | 260.2  | 258.2  | 258.2  | 260.2  | 261.2  |
| 65°   | 242.9  | 241.8  | 238.8  | 237.8  | 232.7  | 230.6  | 229.6  | 228.6  | 226.5  | 226.5  | 226.5  |
| 67.5° | 214.3  | 211.2  | 211.2  | 206.1  | 202.0  | 200.0  | 198.0  | 196.9  | 196.9  | 196.9  | 198.0  |
| 70°   | 182.7  | 182.7  | 179.6  | 176.5  | 172.5  | 173.5  | 170.4  | 167.3  | 167.3  | 165.3  | 166.3  |
| 72.5° | 152.0  | 151.0  | 148.0  | 146.9  | 143.9  | 140.8  | 138.8  | 140.8  | 137.8  | 136.7  | 137.8  |
| 75°   | 122.4  | 121.4  | 119.4  | 117.3  | 118.4  | 115.3  | 112.2  | 111.2  | 111.2  | 109.2  | 109.2  |
| 77.5° | 93.9   | 95.9   | 91.8   | 90.8   | 88.8   | 86.7   | 85.7   | 84.7   | 84.7   | 84.7   | 86.7   |
| 80°   | 65.3   | 66.3   | 66.3   | 64.3   | 65.3   | 62.2   | 62.2   | 62.2   | 59.2   | 60.2   | 61.2   |
| 82.5° | 41.8   | 41.8   | 40.8   | 41.8   | 40.8   | 40.8   | 39.8   | 39.8   | 38.8   | 38.8   | 39.8   |
| 85°   | 23.5   | 22.4   | 21.4   | 23.5   | 22.4   | 22.4   | 21.4   | 21.4   | 21.4   | 21.4   | 21.4   |
| 87.5° | 5.1    | 6.1    | 6.1    | 6.1    | 6.1    | 7.1    | 7.1    | 7.1    | 8.2    | 8.2    | 8.2    |
| 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: P987514

CATALOG NUMBER: S122DR-B675DB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1327.6 | 1327.6 | 1327.6 | 1327.6 |
| 2.5°  | 1303.1 | 1303.1 | 1318.4 | 1334.7 |
| 5°    | 1274.5 | 1281.6 | 1306.1 | 1328.6 |
| 7.5°  | 1246.9 | 1259.2 | 1289.8 | 1318.4 |
| 10°   | 1213.3 | 1229.6 | 1267.4 | 1301.0 |
| 12.5° | 1180.6 | 1195.9 | 1239.8 | 1277.6 |
| 15°   | 1134.7 | 1154.1 | 1201.0 | 1248.0 |
| 17.5° | 1088.8 | 1108.2 | 1165.3 | 1220.4 |
| 20°   | 1034.7 | 1060.2 | 1124.5 | 1198.0 |
| 22.5° | 984.7  | 1016.3 | 1087.8 | 1146.9 |
| 25°   | 929.6  | 978.6  | 1044.9 | 1121.4 |
| 27.5° | 880.6  | 929.6  | 996.9  | 1074.5 |
| 30°   | 825.5  | 875.5  | 944.9  | 1016.3 |
| 32.5° | 772.5  | 818.4  | 885.7  | 973.5  |
| 35°   | 717.4  | 761.2  | 826.5  | 915.3  |
| 37.5° | 667.4  | 710.2  | 781.6  | 863.3  |
| 40°   | 618.4  | 663.3  | 724.5  | 806.1  |
| 42.5° | 572.5  | 612.2  | 667.4  | 749.0  |
| 45°   | 530.6  | 559.2  | 610.2  | 686.7  |
| 47.5° | 486.7  | 512.2  | 559.2  | 635.7  |
| 50°   | 445.9  | 467.3  | 508.2  | 579.6  |
| 52.5° | 406.1  | 424.5  | 462.2  | 519.4  |
| 55°   | 370.4  | 387.8  | 415.3  | 471.4  |
| 57.5° | 333.7  | 346.9  | 373.5  | 418.4  |
| 60°   | 298.0  | 310.2  | 331.6  | 368.4  |
| 62.5° | 262.2  | 272.5  | 292.9  | 322.5  |
| 65°   | 230.6  | 238.8  | 254.1  | 279.6  |
| 67.5° | 200.0  | 205.1  | 217.3  | 237.8  |
| 70°   | 170.4  | 174.5  | 184.7  | 201.0  |
| 72.5° | 138.8  | 142.9  | 154.1  | 165.3  |
| 75°   | 112.2  | 113.3  | 121.4  | 130.6  |
| 77.5° | 87.8   | 86.7   | 92.9   | 100.0  |
| 80°   | 60.2   | 63.3   | 68.4   | 71.4   |
| 82.5° | 40.8   | 41.8   | 43.9   | 45.9   |
| 85°   | 22.4   | 23.5   | 23.5   | 26.5   |
| 87.5° | 9.2    | 10.2   | 10.2   | 11.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)