

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: P1037193

Luminaire Tested: S122RDS-B675DB2750-4F0-XX-W2A-A\_3000K

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1037193  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122RDS-B675DB2750-4F0-XX-W2A-A\_3000K  
Description: Define 2 Regressed Direct Surface with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

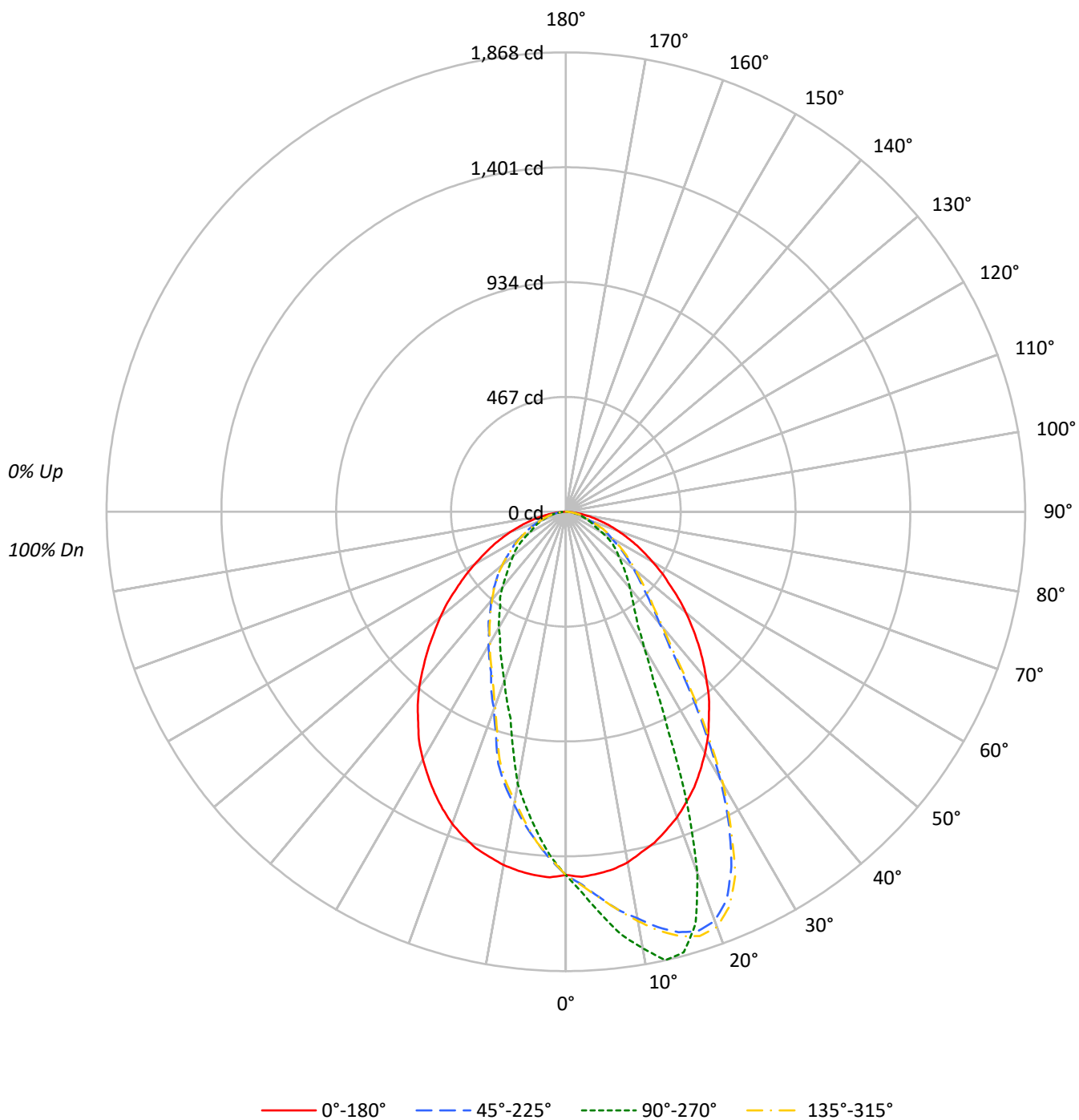
Lumens per Lamp: N/A  
Luminaire Lumens: 2552.0 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 35.9  
Input Voltage (V):  
Input Current (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: P1037193

CATALOG NUMBER: S122RDS-B675DB2750-4F0-XX-W2A-A\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1037193

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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   | 111 | 106 | 103 | 100 | 108 | 104 | 101 | 98  | 100 | 97  | 95  | 96  | 94  | 92  | 93  | 91  | 89  | 87  |    |    |
| 2   | 102 | 95  | 89  | 84  | 100 | 93  | 88  | 83  | 90  | 85  | 81  | 87  | 83  | 80  | 84  | 81  | 78  | 76  |    |    |
| 3   | 94  | 85  | 78  | 72  | 92  | 84  | 77  | 72  | 81  | 75  | 71  | 78  | 73  | 69  | 76  | 72  | 68  | 66  |    |    |
| 4   | 87  | 77  | 69  | 63  | 85  | 76  | 68  | 63  | 73  | 67  | 62  | 71  | 66  | 61  | 69  | 64  | 60  | 59  |    |    |
| 5   | 81  | 70  | 62  | 56  | 79  | 69  | 61  | 56  | 67  | 60  | 55  | 65  | 59  | 55  | 63  | 58  | 54  | 52  |    |    |
| 6   | 76  | 64  | 56  | 50  | 74  | 63  | 55  | 50  | 61  | 54  | 49  | 60  | 54  | 49  | 58  | 53  | 49  | 47  |    |    |
| 7   | 71  | 59  | 51  | 45  | 69  | 58  | 50  | 45  | 56  | 50  | 45  | 55  | 49  | 44  | 54  | 48  | 44  | 42  |    |    |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 45  | 41  | 51  | 45  | 40  | 50  | 44  | 40  | 39  |    |    |
| 9   | 62  | 50  | 43  | 38  | 61  | 50  | 42  | 37  | 49  | 42  | 37  | 47  | 41  | 37  | 47  | 41  | 37  | 35  |    |    |
| 10  | 59  | 47  | 39  | 35  | 58  | 46  | 39  | 35  | 45  | 39  | 34  | 44  | 38  | 34  | 44  | 38  | 34  | 33  |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 23375 | 23375 | 23375 | 23375 |
| 5°  | 23482 | 26107 | 23563 | 20855 |
| 10° | 23274 | 28966 | 23440 | 18078 |
| 15° | 22821 | 30389 | 23208 | 14244 |
| 20° | 22266 | 26346 | 22749 | 12326 |
| 25° | 21581 | 17279 | 22047 | 11005 |
| 30° | 20689 | 11630 | 21252 | 9960  |
| 35° | 19593 | 9420  | 20228 | 8984  |
| 40° | 18364 | 8377  | 19149 | 8313  |
| 45° | 17047 | 7582  | 17759 | 7421  |
| 50° | 15694 | 6900  | 16426 | 6873  |
| 55° | 14188 | 6485  | 14952 | 6400  |
| 60° | 12866 | 5426  | 13547 | 5360  |
| 65° | 11645 | 4573  | 12338 | 5188  |
| 70° | 10307 | 4226  | 11112 | 4892  |
| 75° | 8911  | 3957  | 9731  | 4520  |
| 80° | 7393  | 3646  | 7949  | 4020  |
| 85° | 5776  | 3360  | 6339  | 3542  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 160°

Vertical Angle: 45°

Luminance: 25661 cd/sqm

TEST NUMBER: P1037193

CATALOG NUMBER: S122RDS-B675DB2750-4F0-XX-W2A-A\_3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 140.1  | 5.5       |
| 10°-20°   | 391.0  | 15.3      |
| 20°-30°   | 503.2  | 19.7      |
| 30°-40°   | 477.4  | 18.7      |
| 40°-50°   | 409.1  | 16.0      |
| 50°-60°   | 311.6  | 12.2      |
| 60°-70°   | 196.5  | 7.7       |
| 70°-80°   | 98.0   | 3.8       |
| 80°-90°   | 25.2   | 1.0       |
| 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°    | 1034.2 | 40.5      |
| 0°-40°    | 1511.6 | 59.2      |
| 0°-60°    | 2232.3 | 87.5      |
| 0°-90°    | 2552.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2552.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1477 | 1477 | 1477 | 1477 | 1477 |      |
| 5°  | 1478 | 1643 | 1483 | 1312 | 1478 | 140  |
| 15° | 1393 | 1854 | 1416 | 869  | 1393 | 392  |
| 25° | 1236 | 989  | 1262 | 630  | 1236 | 567  |
| 35° | 1014 | 488  | 1047 | 465  | 1014 | 634  |
| 45° | 762  | 339  | 793  | 332  | 762  | 588  |
| 55° | 514  | 235  | 542  | 232  | 514  | 463  |
| 65° | 311  | 122  | 329  | 138  | 311  | 309  |
| 75° | 146  | 65   | 159  | 74   | 146  | 158  |
| 85° | 32   | 18   | 35   | 20   | 32   | 38   |
| 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°    | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 |
| 2.5°  | 1486.0 | 1492.1 | 1495.2 | 1499.3 | 1508.6 | 1514.7 | 1524.0 | 1526.0 | 1525.0 | 1529.1 | 1517.8 |
| 5°    | 1477.8 | 1491.1 | 1503.4 | 1513.7 | 1530.1 | 1540.4 | 1551.7 | 1565.0 | 1568.1 | 1583.5 | 1574.2 |
| 7.5°  | 1466.5 | 1486.0 | 1503.4 | 1524.0 | 1548.6 | 1561.9 | 1579.4 | 1599.9 | 1609.1 | 1627.6 | 1632.7 |
| 10°   | 1448.0 | 1475.7 | 1505.5 | 1527.0 | 1560.9 | 1584.5 | 1600.9 | 1633.8 | 1655.3 | 1683.0 | 1678.9 |
| 12.5° | 1418.3 | 1454.2 | 1494.2 | 1530.1 | 1574.2 | 1589.6 | 1620.4 | 1654.3 | 1682.0 | 1707.6 | 1730.2 |
| 15°   | 1392.6 | 1433.6 | 1477.8 | 1521.9 | 1572.2 | 1600.9 | 1631.7 | 1675.8 | 1705.6 | 1750.7 | 1770.2 |
| 17.5° | 1357.7 | 1410.0 | 1462.4 | 1511.6 | 1571.2 | 1604.0 | 1642.0 | 1685.1 | 1729.2 | 1772.3 | 1787.7 |
| 20°   | 1321.8 | 1378.2 | 1434.7 | 1501.4 | 1569.1 | 1600.9 | 1639.9 | 1693.3 | 1736.4 | 1770.2 | 1770.2 |
| 22.5° | 1278.7 | 1347.4 | 1412.1 | 1475.7 | 1549.6 | 1595.8 | 1635.8 | 1698.4 | 1729.2 | 1736.4 | 1708.7 |
| 25°   | 1235.6 | 1304.3 | 1375.1 | 1454.2 | 1538.3 | 1579.4 | 1624.5 | 1683.0 | 1693.3 | 1664.5 | 1592.7 |
| 27.5° | 1184.3 | 1261.2 | 1341.3 | 1426.5 | 1514.7 | 1566.0 | 1607.1 | 1646.1 | 1626.6 | 1549.6 | 1437.7 |
| 30°   | 1131.9 | 1215.1 | 1305.4 | 1386.4 | 1493.2 | 1540.4 | 1575.3 | 1586.6 | 1525.0 | 1399.8 | 1255.1 |
| 32.5° | 1077.5 | 1158.6 | 1254.1 | 1351.5 | 1459.3 | 1504.5 | 1527.0 | 1497.3 | 1384.4 | 1226.3 | 1049.8 |
| 35°   | 1013.9 | 1105.3 | 1204.8 | 1306.4 | 1413.1 | 1447.0 | 1460.3 | 1387.5 | 1242.8 | 1038.5 | 863.1  |
| 37.5° | 956.4  | 1047.8 | 1154.5 | 1258.2 | 1361.8 | 1380.3 | 1366.9 | 1253.0 | 1069.3 | 867.2  | 695.8  |
| 40°   | 888.7  | 986.2  | 1090.9 | 1206.8 | 1292.0 | 1297.2 | 1264.3 | 1116.5 | 888.7  | 698.9  | 593.2  |
| 42.5° | 826.1  | 924.6  | 1029.3 | 1147.3 | 1212.0 | 1194.5 | 1150.4 | 956.4  | 742.0  | 602.4  | 517.2  |
| 45°   | 761.5  | 854.9  | 967.7  | 1072.4 | 1118.6 | 1077.5 | 1010.8 | 804.6  | 622.9  | 518.2  | 452.6  |
| 47.5° | 698.9  | 786.1  | 898.0  | 998.5  | 1006.7 | 960.6  | 881.5  | 674.2  | 539.8  | 455.6  | 402.3  |
| 50°   | 637.3  | 724.5  | 829.2  | 912.3  | 904.1  | 840.5  | 751.2  | 586.0  | 469.0  | 402.3  | 358.2  |
| 52.5° | 575.7  | 654.7  | 756.3  | 822.0  | 787.1  | 725.5  | 637.3  | 496.7  | 409.5  | 351.0  | 317.1  |
| 55°   | 514.1  | 588.0  | 675.3  | 729.6  | 674.2  | 603.4  | 540.8  | 425.9  | 355.1  | 307.9  | 282.2  |
| 57.5° | 462.8  | 521.3  | 601.4  | 634.2  | 567.5  | 512.1  | 457.7  | 366.4  | 307.9  | 274.0  | 244.2  |
| 60°   | 406.4  | 459.8  | 525.4  | 544.9  | 476.2  | 431.0  | 384.8  | 309.9  | 263.7  | 234.0  | 214.5  |
| 62.5° | 358.2  | 402.3  | 452.6  | 452.6  | 392.0  | 358.2  | 323.3  | 259.6  | 221.7  | 198.1  | 188.8  |
| 65°   | 310.9  | 342.8  | 378.7  | 374.6  | 323.3  | 293.5  | 265.8  | 214.5  | 185.7  | 169.3  | 160.1  |
| 67.5° | 264.8  | 289.4  | 313.0  | 298.6  | 261.7  | 236.0  | 210.4  | 173.4  | 153.9  | 142.6  | 130.3  |
| 70°   | 222.7  | 242.2  | 254.5  | 241.2  | 204.2  | 182.7  | 164.2  | 139.6  | 124.2  | 109.8  | 102.6  |
| 72.5° | 186.8  | 195.0  | 199.1  | 182.7  | 151.9  | 139.6  | 126.2  | 108.8  | 95.4   | 88.3   | 86.2   |
| 75°   | 145.7  | 152.9  | 149.8  | 137.5  | 111.9  | 102.6  | 92.4   | 80.0   | 77.0   | 72.9   | 70.8   |
| 77.5° | 113.9  | 113.9  | 108.8  | 97.5   | 80.0   | 72.9   | 68.8   | 62.6   | 59.5   | 58.5   | 56.4   |
| 80°   | 81.1   | 80.0   | 77.0   | 64.7   | 54.4   | 50.3   | 50.3   | 46.2   | 45.2   | 43.1   | 43.1   |
| 82.5° | 53.4   | 53.4   | 49.3   | 39.0   | 35.9   | 34.9   | 33.9   | 31.8   | 31.8   | 30.8   | 30.8   |
| 85°   | 31.8   | 29.8   | 24.6   | 21.6   | 20.5   | 20.5   | 19.5   | 18.5   | 19.5   | 18.5   | 18.5   |
| 87.5° | 14.4   | 11.3   | 8.2    | 8.2    | 8.2    | 8.2    | 8.2    | 8.2    | 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    |

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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 |
| 2.5°  | 1529.1 | 1531.1 | 1534.2 | 1548.6 | 1550.6 | 1554.7 | 1552.7 | 1552.7 | 1553.7 | 1551.7 | 1552.7 |
| 5°    | 1594.8 | 1597.8 | 1613.2 | 1630.7 | 1634.8 | 1630.7 | 1635.8 | 1643.0 | 1643.0 | 1643.0 | 1640.9 |
| 7.5°  | 1656.3 | 1667.6 | 1685.1 | 1710.7 | 1715.9 | 1721.0 | 1730.2 | 1724.1 | 1726.1 | 1735.4 | 1732.3 |
| 10°   | 1715.9 | 1732.3 | 1751.8 | 1773.3 | 1784.6 | 1791.8 | 1795.9 | 1805.1 | 1826.7 | 1802.1 | 1811.3 |
| 12.5° | 1772.3 | 1795.9 | 1816.4 | 1840.0 | 1848.2 | 1857.5 | 1860.6 | 1868.8 | 1868.8 | 1867.7 | 1874.9 |
| 15°   | 1809.2 | 1830.8 | 1849.3 | 1864.7 | 1866.7 | 1864.7 | 1862.6 | 1863.6 | 1866.7 | 1854.4 | 1861.6 |
| 17.5° | 1817.5 | 1819.5 | 1825.7 | 1819.5 | 1820.5 | 1799.0 | 1786.7 | 1783.6 | 1754.9 | 1755.9 | 1779.5 |
| 20°   | 1777.4 | 1742.5 | 1733.3 | 1699.4 | 1678.9 | 1623.5 | 1621.4 | 1606.1 | 1545.5 | 1564.0 | 1559.9 |
| 22.5° | 1667.6 | 1608.1 | 1529.1 | 1490.1 | 1470.6 | 1412.1 | 1366.9 | 1335.1 | 1313.6 | 1292.0 | 1282.8 |
| 25°   | 1522.9 | 1426.5 | 1314.6 | 1237.6 | 1226.3 | 1172.0 | 1088.8 | 1049.8 | 1003.7 | 989.3  | 1013.9 |
| 27.5° | 1336.2 | 1211.0 | 1084.7 | 966.7  | 945.2  | 895.9  | 853.8  | 826.1  | 772.8  | 769.7  | 771.7  |
| 30°   | 1082.7 | 956.4  | 850.7  | 773.8  | 720.4  | 697.8  | 670.1  | 649.6  | 628.1  | 636.3  | 638.3  |
| 32.5° | 889.7  | 769.7  | 671.2  | 630.1  | 605.5  | 591.1  | 567.5  | 554.2  | 544.9  | 541.8  | 540.8  |
| 35°   | 707.1  | 627.0  | 582.9  | 542.9  | 528.5  | 518.2  | 500.8  | 494.6  | 486.4  | 487.5  | 487.5  |
| 37.5° | 605.5  | 538.8  | 505.9  | 485.4  | 472.1  | 466.9  | 455.6  | 449.5  | 444.4  | 442.3  | 445.4  |
| 40°   | 522.4  | 476.2  | 455.6  | 437.2  | 425.9  | 423.8  | 417.7  | 410.5  | 404.3  | 405.4  | 408.4  |
| 42.5° | 461.8  | 435.1  | 410.5  | 396.1  | 387.9  | 384.8  | 379.7  | 374.6  | 374.6  | 371.5  | 370.5  |
| 45°   | 413.6  | 392.0  | 371.5  | 358.2  | 353.0  | 348.9  | 342.8  | 341.7  | 337.6  | 338.7  | 339.7  |
| 47.5° | 370.5  | 353.0  | 337.6  | 324.3  | 319.2  | 318.1  | 312.0  | 307.9  | 307.9  | 306.8  | 305.8  |
| 50°   | 331.5  | 314.0  | 300.7  | 293.5  | 286.3  | 284.3  | 283.2  | 282.2  | 280.2  | 280.2  | 281.2  |
| 52.5° | 299.7  | 282.2  | 272.0  | 265.8  | 261.7  | 259.6  | 259.6  | 258.6  | 258.6  | 258.6  | 257.6  |
| 55°   | 264.8  | 250.4  | 242.2  | 240.1  | 238.1  | 237.1  | 236.0  | 234.0  | 233.0  | 235.0  | 233.0  |
| 57.5° | 231.9  | 226.8  | 219.6  | 217.6  | 212.4  | 212.4  | 209.4  | 207.3  | 205.2  | 207.3  | 207.3  |
| 60°   | 206.3  | 199.1  | 195.0  | 188.8  | 184.7  | 180.6  | 175.5  | 174.5  | 172.4  | 171.4  | 170.4  |
| 62.5° | 179.6  | 173.4  | 163.2  | 153.9  | 147.8  | 143.7  | 141.6  | 140.6  | 140.6  | 139.6  | 139.6  |
| 65°   | 149.8  | 135.5  | 130.3  | 127.3  | 126.2  | 125.2  | 123.1  | 122.1  | 123.1  | 122.1  | 123.1  |
| 67.5° | 117.0  | 114.9  | 111.9  | 109.8  | 108.8  | 107.8  | 107.8  | 106.7  | 106.7  | 106.7  | 106.7  |
| 70°   | 101.6  | 96.5   | 95.4   | 93.4   | 93.4   | 92.4   | 92.4   | 92.4   | 92.4   | 91.3   | 93.4   |
| 72.5° | 84.2   | 81.1   | 80.0   | 79.0   | 79.0   | 79.0   | 78.0   | 78.0   | 78.0   | 77.0   | 78.0   |
| 75°   | 68.8   | 67.7   | 65.7   | 65.7   | 64.7   | 65.7   | 64.7   | 64.7   | 63.6   | 64.7   | 64.7   |
| 77.5° | 55.4   | 54.4   | 53.4   | 53.4   | 52.3   | 52.3   | 52.3   | 52.3   | 52.3   | 52.3   | 53.4   |
| 80°   | 42.1   | 41.0   | 40.0   | 41.0   | 40.0   | 41.0   | 40.0   | 40.0   | 41.0   | 40.0   | 40.0   |
| 82.5° | 30.8   | 29.8   | 29.8   | 28.7   | 28.7   | 28.7   | 28.7   | 28.7   | 28.7   | 28.7   | 28.7   |
| 85°   | 18.5   | 17.4   | 17.4   | 18.5   | 17.4   | 18.5   | 17.4   | 17.4   | 17.4   | 18.5   | 18.5   |
| 87.5° | 8.2    | 9.2    | 8.2    | 8.2    | 8.2    | 8.2    | 8.2    | 8.2    | 8.2    | 8.2    | 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    |

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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 |
| 2.5°  | 1556.8 | 1549.6 | 1547.6 | 1549.6 | 1547.6 | 1548.6 | 1541.4 | 1514.7 | 1521.9 | 1510.6 | 1516.8 |
| 5°    | 1645.0 | 1638.9 | 1625.5 | 1623.5 | 1621.4 | 1619.4 | 1609.1 | 1585.5 | 1576.3 | 1560.9 | 1559.9 |
| 7.5°  | 1729.2 | 1729.2 | 1718.9 | 1711.8 | 1702.5 | 1695.3 | 1682.0 | 1647.1 | 1632.7 | 1614.3 | 1604.0 |
| 10°   | 1812.3 | 1785.6 | 1796.9 | 1789.7 | 1767.2 | 1763.1 | 1738.4 | 1717.9 | 1690.2 | 1671.7 | 1655.3 |
| 12.5° | 1871.8 | 1863.6 | 1853.4 | 1847.2 | 1841.1 | 1827.7 | 1811.3 | 1759.0 | 1744.6 | 1707.6 | 1689.2 |
| 15°   | 1869.8 | 1864.7 | 1867.7 | 1867.7 | 1865.7 | 1862.6 | 1849.3 | 1811.3 | 1786.7 | 1750.7 | 1718.9 |
| 17.5° | 1769.2 | 1782.6 | 1795.9 | 1805.1 | 1825.7 | 1834.9 | 1847.2 | 1824.6 | 1809.2 | 1778.5 | 1744.6 |
| 20°   | 1593.7 | 1626.6 | 1665.6 | 1673.8 | 1692.3 | 1746.6 | 1771.3 | 1790.8 | 1796.9 | 1786.7 | 1759.0 |
| 22.5° | 1349.5 | 1377.2 | 1471.6 | 1469.6 | 1496.2 | 1560.9 | 1632.7 | 1691.2 | 1737.4 | 1763.1 | 1752.8 |
| 25°   | 1057.0 | 1096.0 | 1146.3 | 1184.3 | 1271.5 | 1368.0 | 1457.2 | 1550.6 | 1630.7 | 1701.5 | 1718.9 |
| 27.5° | 799.4  | 850.7  | 890.8  | 941.1  | 985.2  | 1099.1 | 1214.0 | 1359.8 | 1453.1 | 1587.6 | 1657.4 |
| 30°   | 646.5  | 670.1  | 710.2  | 733.8  | 755.3  | 842.5  | 972.9  | 1116.5 | 1280.7 | 1435.7 | 1555.8 |
| 32.5° | 552.1  | 568.5  | 598.3  | 608.6  | 631.1  | 689.6  | 771.7  | 903.1  | 1072.4 | 1260.2 | 1418.3 |
| 35°   | 495.7  | 513.1  | 519.3  | 528.5  | 547.0  | 583.9  | 640.4  | 735.8  | 888.7  | 1072.4 | 1261.2 |
| 37.5° | 447.4  | 456.7  | 474.1  | 480.3  | 486.4  | 514.1  | 552.1  | 618.8  | 720.4  | 871.3  | 1080.6 |
| 40°   | 413.6  | 418.7  | 427.9  | 433.1  | 437.2  | 456.7  | 490.5  | 535.7  | 610.6  | 725.5  | 918.5  |
| 42.5° | 377.7  | 383.8  | 390.0  | 396.1  | 401.3  | 416.6  | 437.2  | 480.3  | 530.6  | 617.8  | 757.4  |
| 45°   | 342.8  | 346.9  | 354.0  | 358.2  | 365.3  | 377.7  | 396.1  | 425.9  | 471.0  | 526.5  | 639.3  |
| 47.5° | 310.9  | 316.1  | 319.2  | 324.3  | 329.4  | 342.8  | 360.2  | 379.7  | 416.6  | 471.0  | 553.1  |
| 50°   | 282.2  | 288.4  | 292.5  | 293.5  | 297.6  | 309.9  | 324.3  | 345.8  | 369.4  | 411.5  | 483.4  |
| 52.5° | 261.7  | 262.7  | 265.8  | 269.9  | 268.9  | 276.1  | 289.4  | 305.8  | 330.4  | 364.3  | 416.6  |
| 55°   | 238.1  | 241.2  | 243.2  | 244.2  | 244.2  | 250.4  | 257.6  | 273.0  | 292.5  | 320.2  | 364.3  |
| 57.5° | 208.3  | 211.4  | 217.6  | 219.6  | 222.7  | 225.8  | 228.8  | 239.1  | 255.5  | 282.2  | 318.1  |
| 60°   | 177.5  | 179.6  | 185.7  | 189.9  | 191.9  | 200.1  | 204.2  | 212.4  | 221.7  | 241.2  | 275.0  |
| 62.5° | 142.6  | 144.7  | 147.8  | 151.9  | 156.0  | 168.3  | 178.6  | 186.8  | 194.0  | 207.3  | 235.0  |
| 65°   | 124.2  | 125.2  | 127.3  | 128.3  | 129.3  | 134.4  | 143.7  | 155.0  | 168.3  | 178.6  | 195.0  |
| 67.5° | 107.8  | 108.8  | 109.8  | 111.9  | 112.9  | 113.9  | 118.0  | 121.1  | 134.4  | 148.8  | 161.1  |
| 70°   | 92.4   | 94.4   | 95.4   | 95.4   | 96.5   | 98.5   | 100.6  | 104.7  | 108.8  | 116.0  | 131.4  |
| 72.5° | 78.0   | 79.0   | 81.1   | 81.1   | 81.1   | 83.1   | 85.2   | 87.2   | 89.3   | 93.4   | 99.5   |
| 75°   | 64.7   | 66.7   | 66.7   | 66.7   | 67.7   | 67.7   | 69.8   | 71.8   | 73.9   | 77.0   | 79.0   |
| 77.5° | 53.4   | 53.4   | 53.4   | 53.4   | 54.4   | 54.4   | 55.4   | 57.5   | 58.5   | 59.5   | 61.6   |
| 80°   | 40.0   | 41.0   | 41.0   | 41.0   | 42.1   | 42.1   | 42.1   | 44.1   | 45.2   | 45.2   | 47.2   |
| 82.5° | 29.8   | 29.8   | 29.8   | 30.8   | 29.8   | 30.8   | 30.8   | 31.8   | 30.8   | 31.8   | 32.8   |
| 85°   | 18.5   | 18.5   | 18.5   | 19.5   | 19.5   | 19.5   | 19.5   | 19.5   | 19.5   | 19.5   | 20.5   |
| 87.5° | 9.2    | 9.2    | 9.2    | 9.2    | 9.2    | 9.2    | 9.2    | 9.2    | 10.3   | 9.2    | 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    |

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**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 |
| 2.5°  | 1507.5 | 1502.4 | 1502.4 | 1499.3 | 1499.3 | 1482.9 | 1482.9 | 1488.0 | 1481.9 | 1474.7 | 1464.4 |
| 5°    | 1546.5 | 1535.2 | 1532.2 | 1528.1 | 1514.7 | 1494.2 | 1486.0 | 1482.9 | 1470.6 | 1455.2 | 1437.7 |
| 7.5°  | 1583.5 | 1565.0 | 1555.8 | 1546.5 | 1529.1 | 1500.3 | 1483.9 | 1472.6 | 1454.2 | 1430.6 | 1408.0 |
| 10°   | 1619.4 | 1595.8 | 1572.2 | 1560.9 | 1536.3 | 1500.3 | 1476.7 | 1458.3 | 1431.6 | 1399.8 | 1368.0 |
| 12.5° | 1652.2 | 1603.0 | 1598.9 | 1576.3 | 1540.4 | 1499.3 | 1463.4 | 1436.7 | 1402.9 | 1365.9 | 1329.0 |
| 15°   | 1681.0 | 1630.7 | 1606.1 | 1585.5 | 1538.3 | 1487.0 | 1449.0 | 1416.2 | 1371.0 | 1329.0 | 1283.8 |
| 17.5° | 1695.3 | 1640.9 | 1624.5 | 1590.7 | 1542.4 | 1475.7 | 1424.4 | 1384.4 | 1335.1 | 1284.8 | 1233.5 |
| 20°   | 1709.7 | 1646.1 | 1619.4 | 1595.8 | 1530.1 | 1454.2 | 1396.7 | 1350.5 | 1296.1 | 1236.6 | 1180.2 |
| 22.5° | 1716.9 | 1646.1 | 1614.3 | 1581.4 | 1517.8 | 1430.6 | 1362.8 | 1308.4 | 1244.8 | 1184.3 | 1116.5 |
| 25°   | 1704.6 | 1639.9 | 1601.9 | 1568.1 | 1496.2 | 1401.8 | 1323.8 | 1262.3 | 1194.5 | 1125.8 | 1057.0 |
| 27.5° | 1673.8 | 1625.5 | 1581.4 | 1546.5 | 1466.5 | 1364.9 | 1282.8 | 1213.0 | 1143.2 | 1066.3 | 996.5  |
| 30°   | 1616.3 | 1594.8 | 1559.9 | 1520.9 | 1433.6 | 1332.0 | 1234.6 | 1162.7 | 1085.8 | 1008.8 | 935.9  |
| 32.5° | 1527.0 | 1545.5 | 1522.9 | 1489.1 | 1394.6 | 1286.9 | 1183.2 | 1110.4 | 1026.2 | 943.1  | 876.4  |
| 35°   | 1418.3 | 1483.9 | 1471.6 | 1448.0 | 1353.6 | 1238.7 | 1135.0 | 1046.8 | 962.6  | 878.5  | 811.7  |
| 37.5° | 1299.2 | 1398.8 | 1409.0 | 1394.6 | 1306.4 | 1189.4 | 1075.5 | 989.3  | 903.1  | 817.9  | 750.2  |
| 40°   | 1136.0 | 1288.9 | 1321.8 | 1327.9 | 1257.1 | 1129.9 | 1010.8 | 926.7  | 841.5  | 758.4  | 676.3  |
| 42.5° | 986.2  | 1179.1 | 1220.2 | 1245.8 | 1194.5 | 1071.4 | 951.3  | 857.9  | 773.8  | 698.9  | 616.8  |
| 45°   | 845.6  | 1046.8 | 1113.5 | 1146.3 | 1123.7 | 1004.7 | 880.5  | 793.3  | 716.3  | 647.6  | 568.5  |
| 47.5° | 700.9  | 903.1  | 996.5  | 1048.8 | 1048.8 | 936.9  | 812.8  | 726.6  | 652.7  | 594.2  | 524.4  |
| 50°   | 604.4  | 772.8  | 869.2  | 938.0  | 956.4  | 868.2  | 751.2  | 667.0  | 597.3  | 533.6  | 480.3  |
| 52.5° | 515.2  | 666.0  | 746.1  | 817.9  | 871.3  | 794.3  | 682.4  | 606.5  | 537.7  | 478.2  | 436.1  |
| 55°   | 445.4  | 558.3  | 631.1  | 710.2  | 769.7  | 719.4  | 615.7  | 541.8  | 482.3  | 433.1  | 397.2  |
| 57.5° | 378.7  | 477.2  | 536.7  | 606.5  | 670.1  | 632.2  | 549.0  | 485.4  | 433.1  | 390.0  | 358.2  |
| 60°   | 322.2  | 402.3  | 448.5  | 502.9  | 581.9  | 555.2  | 486.4  | 427.9  | 385.9  | 346.9  | 320.2  |
| 62.5° | 274.0  | 337.6  | 376.6  | 415.6  | 487.5  | 475.1  | 421.8  | 376.6  | 340.7  | 307.9  | 285.3  |
| 65°   | 224.7  | 277.1  | 307.9  | 341.7  | 399.2  | 404.3  | 361.2  | 329.4  | 296.6  | 267.8  | 247.3  |
| 67.5° | 181.6  | 222.7  | 250.4  | 279.1  | 325.3  | 339.7  | 309.9  | 283.2  | 255.5  | 231.9  | 213.5  |
| 70°   | 146.8  | 175.5  | 196.0  | 218.6  | 256.6  | 274.0  | 258.6  | 240.1  | 217.6  | 198.1  | 181.6  |
| 72.5° | 116.0  | 134.4  | 146.8  | 164.2  | 195.0  | 212.4  | 211.4  | 195.0  | 178.6  | 165.2  | 151.9  |
| 75°   | 85.2   | 99.5   | 109.8  | 121.1  | 145.7  | 162.1  | 166.2  | 159.1  | 142.6  | 132.4  | 122.1  |
| 77.5° | 64.7   | 72.9   | 78.0   | 86.2   | 103.6  | 118.0  | 124.2  | 122.1  | 110.8  | 102.6  | 95.4   |
| 80°   | 49.3   | 51.3   | 53.4   | 56.4   | 70.8   | 84.2   | 88.3   | 87.2   | 81.1   | 78.0   | 69.8   |
| 82.5° | 34.9   | 35.9   | 36.9   | 38.0   | 43.1   | 54.4   | 58.5   | 60.5   | 55.4   | 52.3   | 45.2   |
| 85°   | 20.5   | 21.6   | 21.6   | 23.6   | 24.6   | 27.7   | 34.9   | 34.9   | 33.9   | 29.8   | 28.7   |
| 87.5° | 10.3   | 10.3   | 9.2    | 9.2    | 10.3   | 11.3   | 13.3   | 15.4   | 13.3   | 12.3   | 11.3   |
| 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):**

|       | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 |
| 2.5°  | 1460.3 | 1461.4 | 1464.4 | 1455.2 | 1440.8 | 1434.7 | 1416.2 | 1413.1 | 1410.0 | 1410.0 | 1413.1 |
| 5°    | 1427.5 | 1423.4 | 1424.4 | 1407.0 | 1386.4 | 1374.1 | 1348.5 | 1352.6 | 1339.2 | 1331.0 | 1333.1 |
| 7.5°  | 1391.6 | 1380.3 | 1379.3 | 1356.7 | 1331.0 | 1308.4 | 1281.8 | 1275.6 | 1263.3 | 1248.9 | 1242.8 |
| 10°   | 1346.4 | 1338.2 | 1322.8 | 1297.2 | 1264.3 | 1245.8 | 1209.9 | 1188.4 | 1185.3 | 1163.7 | 1155.5 |
| 12.5° | 1300.2 | 1285.9 | 1270.5 | 1234.6 | 1197.6 | 1167.9 | 1141.2 | 1117.6 | 1101.1 | 1082.7 | 1070.4 |
| 15°   | 1246.9 | 1229.4 | 1212.0 | 1174.0 | 1130.9 | 1101.1 | 1061.1 | 1026.2 | 978.0  | 940.0  | 918.5  |
| 17.5° | 1188.4 | 1168.9 | 1145.3 | 1103.2 | 1061.1 | 1020.1 | 946.2  | 905.1  | 871.3  | 848.7  | 835.4  |
| 20°   | 1127.8 | 1106.3 | 1082.7 | 1040.6 | 967.7  | 895.9  | 854.9  | 823.0  | 802.5  | 779.9  | 763.5  |
| 22.5° | 1064.2 | 1041.6 | 1016.0 | 950.3  | 873.3  | 823.0  | 791.2  | 761.5  | 731.7  | 719.4  | 711.2  |
| 25°   | 1004.7 | 984.2  | 951.3  | 862.0  | 801.5  | 755.3  | 719.4  | 699.9  | 684.5  | 668.1  | 652.7  |
| 27.5° | 943.1  | 905.1  | 859.0  | 784.0  | 746.1  | 698.9  | 673.2  | 658.8  | 632.2  | 620.9  | 613.7  |
| 30°   | 869.2  | 827.1  | 783.0  | 729.6  | 685.5  | 652.7  | 629.1  | 605.5  | 590.1  | 578.8  | 566.5  |
| 32.5° | 794.3  | 754.3  | 726.6  | 671.2  | 638.3  | 604.4  | 581.9  | 567.5  | 544.9  | 537.7  | 532.6  |
| 35°   | 729.6  | 695.8  | 671.2  | 626.0  | 595.2  | 564.4  | 548.0  | 526.5  | 512.1  | 498.7  | 490.5  |
| 37.5° | 666.0  | 647.6  | 621.9  | 583.9  | 551.1  | 526.5  | 503.9  | 496.7  | 477.2  | 470.0  | 461.8  |
| 40°   | 621.9  | 594.2  | 572.6  | 539.8  | 512.1  | 485.4  | 471.0  | 454.6  | 441.3  | 430.0  | 426.9  |
| 42.5° | 568.5  | 548.0  | 535.7  | 499.8  | 471.0  | 455.6  | 438.2  | 419.7  | 409.5  | 400.2  | 388.9  |
| 45°   | 528.5  | 510.0  | 492.6  | 463.9  | 438.2  | 418.7  | 403.3  | 391.0  | 373.5  | 369.4  | 352.0  |
| 47.5° | 486.4  | 468.0  | 454.6  | 425.9  | 402.3  | 383.8  | 372.5  | 356.1  | 341.7  | 332.5  | 324.3  |
| 50°   | 444.4  | 429.0  | 416.6  | 392.0  | 371.5  | 352.0  | 336.6  | 320.2  | 314.0  | 298.6  | 293.5  |
| 52.5° | 404.3  | 394.1  | 380.7  | 357.1  | 336.6  | 320.2  | 303.8  | 290.4  | 281.2  | 273.0  | 266.8  |
| 55°   | 370.5  | 354.0  | 347.9  | 322.2  | 304.8  | 287.3  | 273.0  | 264.8  | 253.5  | 248.3  | 243.2  |
| 57.5° | 332.5  | 323.3  | 313.0  | 293.5  | 274.0  | 257.6  | 247.3  | 235.0  | 228.8  | 222.7  | 218.6  |
| 60°   | 299.7  | 286.3  | 278.1  | 261.7  | 244.2  | 228.8  | 219.6  | 210.4  | 202.2  | 197.0  | 188.8  |
| 62.5° | 261.7  | 251.4  | 246.3  | 228.8  | 214.5  | 200.1  | 191.9  | 182.7  | 176.5  | 167.3  | 157.0  |
| 65°   | 228.8  | 220.6  | 214.5  | 200.1  | 186.8  | 173.4  | 165.2  | 153.9  | 145.7  | 140.6  | 139.6  |
| 67.5° | 200.1  | 194.0  | 184.7  | 171.4  | 158.0  | 147.8  | 138.5  | 129.3  | 128.3  | 126.2  | 126.2  |
| 70°   | 168.3  | 162.1  | 157.0  | 142.6  | 131.4  | 120.1  | 118.0  | 114.9  | 111.9  | 110.8  | 108.8  |
| 72.5° | 140.6  | 135.5  | 129.3  | 117.0  | 105.7  | 102.6  | 100.6  | 98.5   | 95.4   | 94.4   | 93.4   |
| 75°   | 113.9  | 106.7  | 102.6  | 91.3   | 88.3   | 86.2   | 84.2   | 81.1   | 79.0   | 78.0   | 75.9   |
| 77.5° | 87.2   | 80.0   | 80.0   | 73.9   | 71.8   | 68.8   | 66.7   | 64.7   | 63.6   | 61.6   | 61.6   |
| 80°   | 61.6   | 61.6   | 59.5   | 56.4   | 53.4   | 52.3   | 49.3   | 48.2   | 47.2   | 48.2   | 46.2   |
| 82.5° | 45.2   | 41.0   | 41.0   | 39.0   | 36.9   | 35.9   | 33.9   | 33.9   | 32.8   | 32.8   | 32.8   |
| 85°   | 25.7   | 25.7   | 24.6   | 22.6   | 21.6   | 21.6   | 20.5   | 20.5   | 19.5   | 19.5   | 18.5   |
| 87.5° | 10.3   | 9.2    | 10.3   | 9.2    | 9.2    | 8.2    | 8.2    | 8.2    | 7.2    | 8.2    | 7.2    |
| 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°    | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 |
| 2.5°  | 1413.1 | 1411.1 | 1404.9 | 1407.0 | 1403.9 | 1403.9 | 1401.8 | 1401.8 | 1401.8 | 1407.0 | 1403.9 |
| 5°    | 1336.2 | 1329.0 | 1321.8 | 1318.7 | 1315.6 | 1312.5 | 1312.5 | 1311.5 | 1320.8 | 1318.7 | 1326.9 |
| 7.5°  | 1240.7 | 1238.7 | 1224.3 | 1224.3 | 1219.2 | 1217.1 | 1222.2 | 1223.3 | 1224.3 | 1226.3 | 1231.5 |
| 10°   | 1155.5 | 1150.4 | 1129.9 | 1131.9 | 1128.9 | 1124.7 | 1127.8 | 1125.8 | 1133.0 | 1135.0 | 1133.0 |
| 12.5° | 1055.0 | 1045.7 | 1023.2 | 1011.9 | 999.5  | 990.3  | 1001.6 | 993.4  | 1022.1 | 1030.3 | 1052.9 |
| 15°   | 921.6  | 904.1  | 888.7  | 888.7  | 877.4  | 869.2  | 874.3  | 883.6  | 889.7  | 899.0  | 903.1  |
| 17.5° | 832.3  | 825.1  | 812.8  | 805.6  | 802.5  | 799.4  | 799.4  | 803.5  | 816.9  | 815.9  | 824.1  |
| 20°   | 756.3  | 752.2  | 746.1  | 736.8  | 733.8  | 731.7  | 731.7  | 731.7  | 740.9  | 749.1  | 754.3  |
| 22.5° | 704.0  | 700.9  | 696.8  | 684.5  | 678.3  | 676.3  | 681.4  | 684.5  | 691.7  | 697.8  | 703.0  |
| 25°   | 651.7  | 644.5  | 637.3  | 633.2  | 630.1  | 630.1  | 632.2  | 633.2  | 636.3  | 639.3  | 645.5  |
| 27.5° | 608.6  | 603.4  | 593.2  | 581.9  | 581.9  | 578.8  | 580.8  | 582.9  | 590.1  | 600.3  | 605.5  |
| 30°   | 560.3  | 559.3  | 555.2  | 551.1  | 547.0  | 544.9  | 549.0  | 552.1  | 553.1  | 558.3  | 558.3  |
| 32.5° | 525.4  | 518.2  | 511.1  | 507.0  | 504.9  | 503.9  | 504.9  | 509.0  | 509.0  | 515.2  | 522.4  |
| 35°   | 490.5  | 486.4  | 479.2  | 472.1  | 470.0  | 464.9  | 469.0  | 473.1  | 480.3  | 483.4  | 486.4  |
| 37.5° | 452.6  | 447.4  | 444.4  | 442.3  | 438.2  | 439.2  | 436.1  | 442.3  | 448.5  | 447.4  | 449.5  |
| 40°   | 423.8  | 414.6  | 405.4  | 404.3  | 403.3  | 402.3  | 402.3  | 403.3  | 407.4  | 411.5  | 417.7  |
| 42.5° | 386.9  | 383.8  | 375.6  | 367.4  | 365.3  | 363.3  | 361.2  | 365.3  | 373.5  | 380.7  | 383.8  |
| 45°   | 348.9  | 344.8  | 342.8  | 336.6  | 332.5  | 331.5  | 329.4  | 334.6  | 341.7  | 344.8  | 346.9  |
| 47.5° | 314.0  | 313.0  | 306.8  | 307.9  | 304.8  | 305.8  | 304.8  | 307.9  | 307.9  | 310.9  | 313.0  |
| 50°   | 290.4  | 287.3  | 284.3  | 282.2  | 279.1  | 279.1  | 278.1  | 279.1  | 283.2  | 287.3  | 286.3  |
| 52.5° | 266.8  | 261.7  | 260.7  | 259.6  | 257.6  | 259.6  | 256.6  | 257.6  | 261.7  | 263.7  | 262.7  |
| 55°   | 239.1  | 238.1  | 236.0  | 234.0  | 233.0  | 231.9  | 231.9  | 231.9  | 236.0  | 239.1  | 240.1  |
| 57.5° | 217.6  | 212.4  | 208.3  | 208.3  | 204.2  | 203.2  | 205.2  | 206.3  | 209.4  | 211.4  | 213.5  |
| 60°   | 187.8  | 185.7  | 179.6  | 176.5  | 170.4  | 169.3  | 169.3  | 173.4  | 178.6  | 185.7  | 187.8  |
| 62.5° | 156.0  | 152.9  | 151.9  | 151.9  | 151.9  | 151.9  | 151.9  | 151.9  | 151.9  | 152.9  | 152.9  |
| 65°   | 138.5  | 139.6  | 138.5  | 137.5  | 138.5  | 138.5  | 137.5  | 137.5  | 137.5  | 138.5  | 139.6  |
| 67.5° | 124.2  | 123.1  | 124.2  | 123.1  | 122.1  | 122.1  | 121.1  | 122.1  | 123.1  | 124.2  | 124.2  |
| 70°   | 107.8  | 107.8  | 106.7  | 107.8  | 106.7  | 105.7  | 104.7  | 104.7  | 106.7  | 107.8  | 107.8  |
| 72.5° | 92.4   | 92.4   | 91.3   | 91.3   | 89.3   | 89.3   | 90.3   | 89.3   | 89.3   | 92.4   | 92.4   |
| 75°   | 77.0   | 75.9   | 74.9   | 74.9   | 73.9   | 73.9   | 73.9   | 72.9   | 74.9   | 74.9   | 75.9   |
| 77.5° | 60.5   | 60.5   | 60.5   | 59.5   | 59.5   | 58.5   | 58.5   | 59.5   | 59.5   | 59.5   | 60.5   |
| 80°   | 46.2   | 46.2   | 46.2   | 45.2   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 45.2   | 44.1   |
| 82.5° | 31.8   | 31.8   | 31.8   | 31.8   | 31.8   | 30.8   | 30.8   | 30.8   | 31.8   | 31.8   | 30.8   |
| 85°   | 19.5   | 18.5   | 19.5   | 19.5   | 18.5   | 19.5   | 18.5   | 18.5   | 17.4   | 17.4   | 18.5   |
| 87.5° | 8.2    | 7.2    | 6.2    | 6.2    | 7.2    | 6.2    | 6.2    | 6.2    | 7.2    | 6.2    | 6.2    |
| 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: P1037193

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**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 | 1476.7 |
| 2.5°  | 1407.0 | 1412.1 | 1410.0 | 1398.8 | 1410.0 | 1413.1 | 1419.3 | 1425.4 | 1429.5 | 1435.7 | 1440.8 |
| 5°    | 1318.7 | 1329.0 | 1335.1 | 1329.0 | 1349.5 | 1352.6 | 1366.9 | 1375.1 | 1387.5 | 1397.7 | 1405.9 |
| 7.5°  | 1235.6 | 1243.8 | 1256.1 | 1258.2 | 1270.5 | 1284.8 | 1305.4 | 1325.9 | 1345.4 | 1355.7 | 1364.9 |
| 10°   | 1146.3 | 1160.7 | 1179.1 | 1175.0 | 1193.5 | 1216.1 | 1237.6 | 1270.5 | 1286.9 | 1305.4 | 1321.8 |
| 12.5° | 1057.0 | 1066.3 | 1090.9 | 1099.1 | 1125.8 | 1143.2 | 1173.0 | 1193.5 | 1234.6 | 1256.1 | 1270.5 |
| 15°   | 901.0  | 939.0  | 969.8  | 1006.7 | 1041.6 | 1074.5 | 1101.1 | 1138.1 | 1174.0 | 1190.4 | 1214.0 |
| 17.5° | 830.2  | 847.7  | 866.1  | 884.6  | 929.8  | 988.3  | 1035.5 | 1075.5 | 1106.3 | 1127.8 | 1155.5 |
| 20°   | 756.3  | 773.8  | 794.3  | 811.7  | 839.5  | 881.5  | 940.0  | 1008.8 | 1045.7 | 1068.3 | 1095.0 |
| 22.5° | 704.0  | 720.4  | 733.8  | 749.1  | 770.7  | 801.5  | 845.6  | 930.8  | 980.1  | 1007.8 | 1031.4 |
| 25°   | 647.6  | 668.1  | 682.4  | 693.7  | 711.2  | 745.0  | 781.0  | 829.2  | 917.5  | 939.0  | 971.8  |
| 27.5° | 608.6  | 614.7  | 631.1  | 648.6  | 666.0  | 684.5  | 721.4  | 762.5  | 822.0  | 869.2  | 909.2  |
| 30°   | 562.4  | 577.8  | 593.2  | 600.3  | 615.7  | 642.4  | 665.0  | 709.1  | 755.3  | 792.3  | 840.5  |
| 32.5° | 527.5  | 536.7  | 547.0  | 564.4  | 578.8  | 597.3  | 619.8  | 656.8  | 695.8  | 719.4  | 756.3  |
| 35°   | 488.5  | 494.6  | 516.2  | 523.4  | 537.7  | 556.2  | 578.8  | 607.5  | 649.6  | 668.1  | 694.8  |
| 37.5° | 451.5  | 465.9  | 472.1  | 488.5  | 501.8  | 520.3  | 536.7  | 569.6  | 597.3  | 618.8  | 643.4  |
| 40°   | 422.8  | 429.0  | 440.3  | 454.6  | 465.9  | 480.3  | 500.8  | 524.4  | 554.2  | 571.6  | 593.2  |
| 42.5° | 387.9  | 393.0  | 407.4  | 415.6  | 434.1  | 447.4  | 459.8  | 488.5  | 515.2  | 528.5  | 550.1  |
| 45°   | 349.9  | 362.3  | 371.5  | 387.9  | 398.2  | 414.6  | 430.0  | 450.5  | 475.1  | 490.5  | 502.9  |
| 47.5° | 317.1  | 329.4  | 338.7  | 354.0  | 370.5  | 377.7  | 394.1  | 415.6  | 438.2  | 450.5  | 468.0  |
| 50°   | 290.4  | 294.5  | 312.0  | 319.2  | 336.6  | 351.0  | 362.3  | 380.7  | 405.4  | 412.5  | 426.9  |
| 52.5° | 264.8  | 267.8  | 279.1  | 288.4  | 303.8  | 316.1  | 330.4  | 347.9  | 368.4  | 379.7  | 391.0  |
| 55°   | 242.2  | 244.2  | 249.4  | 259.6  | 269.9  | 285.3  | 298.6  | 315.1  | 332.5  | 344.8  | 355.1  |
| 57.5° | 216.5  | 220.6  | 224.7  | 230.9  | 241.2  | 255.5  | 269.9  | 285.3  | 299.7  | 307.9  | 321.2  |
| 60°   | 186.8  | 192.9  | 200.1  | 207.3  | 214.5  | 224.7  | 241.2  | 255.5  | 268.9  | 276.1  | 286.3  |
| 62.5° | 155.0  | 167.3  | 173.4  | 181.6  | 187.8  | 197.0  | 209.4  | 225.8  | 235.0  | 244.2  | 252.5  |
| 65°   | 139.6  | 140.6  | 141.6  | 149.8  | 161.1  | 170.4  | 181.6  | 194.0  | 208.3  | 214.5  | 220.6  |
| 67.5° | 124.2  | 125.2  | 127.3  | 128.3  | 132.4  | 142.6  | 155.0  | 168.3  | 179.6  | 183.7  | 189.9  |
| 70°   | 108.8  | 108.8  | 112.9  | 113.9  | 114.9  | 116.0  | 126.2  | 139.6  | 149.8  | 155.0  | 162.1  |
| 72.5° | 92.4   | 93.4   | 95.4   | 96.5   | 98.5   | 100.6  | 103.6  | 110.8  | 123.1  | 128.3  | 136.5  |
| 75°   | 75.9   | 77.0   | 78.0   | 79.0   | 82.1   | 83.1   | 86.2   | 90.3   | 95.4   | 101.6  | 106.7  |
| 77.5° | 60.5   | 60.5   | 61.6   | 63.6   | 65.7   | 66.7   | 69.8   | 71.8   | 73.9   | 77.0   | 81.1   |
| 80°   | 45.2   | 46.2   | 46.2   | 48.2   | 48.2   | 49.3   | 50.3   | 53.4   | 55.4   | 57.5   | 59.5   |
| 82.5° | 30.8   | 32.8   | 32.8   | 32.8   | 33.9   | 34.9   | 35.9   | 35.9   | 38.0   | 39.0   | 42.1   |
| 85°   | 18.5   | 19.5   | 19.5   | 19.5   | 18.5   | 20.5   | 20.5   | 21.6   | 21.6   | 21.6   | 22.6   |
| 87.5° | 7.2    | 6.2    | 7.2    | 7.2    | 7.2    | 8.2    | 7.2    | 7.2    | 8.2    | 9.2    | 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: P1037193

CATALOG NUMBER: S122RDS-B675DB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1476.7 | 1476.7 | 1476.7 | 1476.7 |
| 2.5°  | 1450.1 | 1447.0 | 1465.5 | 1486.0 |
| 5°    | 1420.3 | 1425.4 | 1449.0 | 1477.8 |
| 7.5°  | 1389.5 | 1400.8 | 1428.5 | 1466.5 |
| 10°   | 1346.4 | 1366.9 | 1409.0 | 1448.0 |
| 12.5° | 1304.3 | 1332.0 | 1372.1 | 1418.3 |
| 15°   | 1257.1 | 1287.9 | 1337.2 | 1392.6 |
| 17.5° | 1204.8 | 1239.7 | 1297.2 | 1357.7 |
| 20°   | 1149.4 | 1195.6 | 1256.1 | 1321.8 |
| 22.5° | 1087.8 | 1143.2 | 1205.8 | 1278.7 |
| 25°   | 1028.3 | 1088.8 | 1151.4 | 1235.6 |
| 27.5° | 969.8  | 1029.3 | 1099.1 | 1184.3 |
| 30°   | 911.3  | 965.7  | 1040.6 | 1131.9 |
| 32.5° | 848.7  | 905.1  | 984.2  | 1077.5 |
| 35°   | 791.2  | 847.7  | 921.6  | 1013.9 |
| 37.5° | 729.6  | 790.2  | 861.0  | 956.4  |
| 40°   | 657.8  | 728.6  | 797.4  | 888.7  |
| 42.5° | 598.3  | 673.2  | 739.9  | 826.1  |
| 45°   | 551.1  | 621.9  | 677.3  | 761.5  |
| 47.5° | 507.0  | 564.4  | 620.9  | 698.9  |
| 50°   | 464.9  | 509.0  | 567.5  | 637.3  |
| 52.5° | 421.8  | 459.8  | 510.0  | 575.7  |
| 55°   | 382.8  | 418.7  | 463.9  | 514.1  |
| 57.5° | 346.9  | 372.5  | 417.7  | 462.8  |
| 60°   | 306.8  | 333.5  | 368.4  | 406.4  |
| 62.5° | 273.0  | 293.5  | 326.3  | 358.2  |
| 65°   | 237.1  | 256.6  | 281.2  | 310.9  |
| 67.5° | 204.2  | 221.7  | 241.2  | 264.8  |
| 70°   | 174.5  | 187.8  | 202.2  | 222.7  |
| 72.5° | 142.6  | 157.0  | 170.4  | 186.8  |
| 75°   | 117.0  | 123.1  | 134.4  | 145.7  |
| 77.5° | 90.3   | 98.5   | 104.7  | 113.9  |
| 80°   | 64.7   | 71.8   | 73.9   | 81.1   |
| 82.5° | 43.1   | 47.2   | 51.3   | 53.4   |
| 85°   | 24.6   | 26.7   | 30.8   | 31.8   |
| 87.5° | 9.2    | 10.3   | 12.3   | 14.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)