

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: P987515

Luminaire Tested: S122DR-B675DB2750-4F0-XX-W2A-A\_5000K

Issue Date: 5/2/2025

**Test Information**

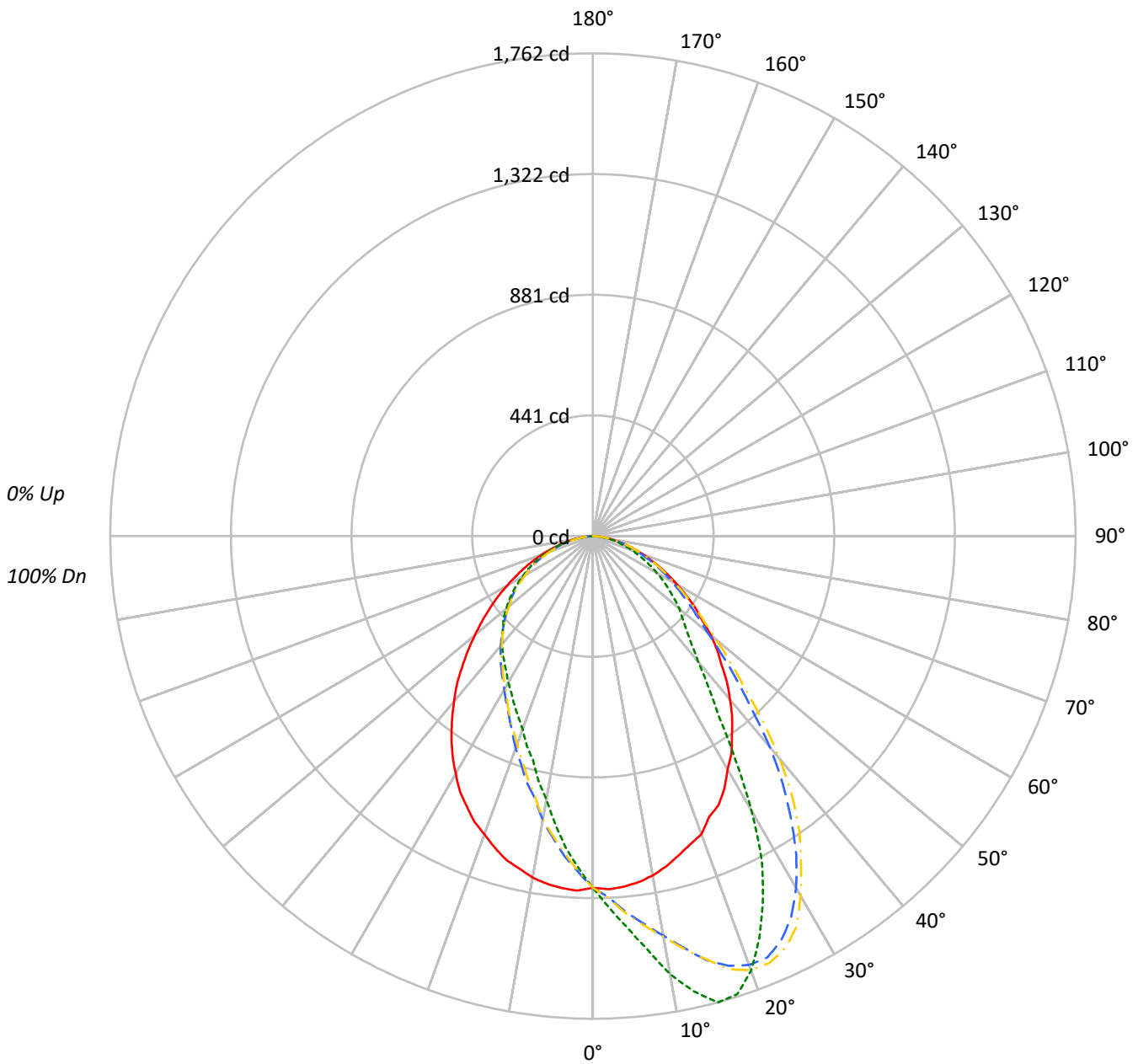
Test Method: LM-79-2019  
Report Number: P987515  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DR-B675DB2750-4F0-XX-W2A-A\_5000K  
Description: Define 2 Direct Recessed with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2832.0 lumens  
Efficiency: N/A  
Efficacy: 78.9 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 (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: P987515  
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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - · 90°-270°    - · - · 135°-315°



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

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

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 20318 | 20318 | 20318 | 20318 |
| 5°  | 20412 | 22780 | 20490 | 18122 |
| 10° | 20219 | 26103 | 20346 | 15685 |
| 15° | 19773 | 28877 | 20049 | 13856 |
| 20° | 19512 | 28436 | 19512 | 12631 |
| 25° | 18938 | 25641 | 19024 | 11856 |
| 30° | 17962 | 21190 | 18304 | 11289 |
| 35° | 17102 | 15444 | 17388 | 10887 |
| 40° | 16105 | 12334 | 16289 | 10662 |
| 45° | 14864 | 10779 | 15106 | 10358 |
| 50° | 13800 | 10131 | 13825 | 10156 |
| 55° | 12579 | 9339  | 12662 | 9883  |
| 60° | 11277 | 8557  | 11432 | 9463  |
| 65° | 10124 | 7798  | 10311 | 9053  |
| 70° | 8997  | 7076  | 9224  | 8446  |
| 75° | 7724  | 6275  | 8024  | 7480  |
| 80° | 6299  | 5397  | 6746  | 6025  |
| 85° | 4668  | 4831  | 5013  | 3578  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 155°  
 Vertical Angle: 45°  
 Luminance: 26525 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 122.3  | 4.3       |
| 10°-20°   | 355.8  | 12.6      |
| 20°-30°   | 516.4  | 18.2      |
| 30°-40°   | 544.4  | 19.2      |
| 40°-50°   | 481.8  | 17.0      |
| 50°-60°   | 384.7  | 13.6      |
| 60°-70°   | 261.3  | 9.2       |
| 70°-80°   | 133.7  | 4.7       |
| 80°-90°   | 31.6   | 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°    | 994.6  | 35.1      |
| 0°-40°    | 1539.0 | 54.3      |
| 0°-60°    | 2405.4 | 84.9      |
| 0°-90°    | 2832.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2832.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1284 | 1284 | 1284 | 1284 | 1284 |      |
| 5°  | 1285 | 1434 | 1290 | 1140 | 1285 | 122  |
| 15° | 1207 | 1762 | 1223 | 846  | 1207 | 341  |
| 25° | 1084 | 1468 | 1089 | 679  | 1084 | 496  |
| 35° | 885  | 799  | 900  | 563  | 885  | 554  |
| 45° | 664  | 482  | 675  | 463  | 664  | 515  |
| 55° | 456  | 338  | 459  | 358  | 456  | 407  |
| 65° | 270  | 208  | 275  | 242  | 270  | 269  |
| 75° | 126  | 103  | 131  | 122  | 126  | 136  |
| 85° | 26   | 27   | 28   | 20   | 26   | 31   |
| 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°    | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 |
| 2.5°  | 1290.5 | 1293.5 | 1298.4 | 1299.4 | 1309.2 | 1317.1 | 1326.0 | 1326.0 | 1329.0 | 1328.0 | 1320.1 |
| 5°    | 1284.6 | 1293.5 | 1306.3 | 1317.1 | 1334.9 | 1342.8 | 1354.6 | 1363.5 | 1371.4 | 1377.3 | 1376.3 |
| 7.5°  | 1274.7 | 1290.5 | 1309.2 | 1330.0 | 1353.6 | 1367.5 | 1384.2 | 1400.0 | 1410.9 | 1420.7 | 1427.6 |
| 10°   | 1257.9 | 1284.6 | 1310.2 | 1337.9 | 1368.4 | 1387.2 | 1406.9 | 1427.6 | 1444.4 | 1463.2 | 1480.9 |
| 12.5° | 1235.2 | 1273.7 | 1305.3 | 1341.8 | 1379.3 | 1400.0 | 1431.6 | 1447.4 | 1479.9 | 1527.3 | 1540.1 |
| 15°   | 1206.6 | 1258.9 | 1288.5 | 1334.9 | 1384.2 | 1401.0 | 1444.4 | 1470.1 | 1537.2 | 1566.8 | 1602.3 |
| 17.5° | 1180.0 | 1238.2 | 1277.7 | 1331.0 | 1379.3 | 1411.9 | 1454.3 | 1506.6 | 1562.8 | 1605.2 | 1644.7 |
| 20°   | 1158.3 | 1214.5 | 1261.9 | 1321.1 | 1382.3 | 1423.7 | 1468.1 | 1531.2 | 1592.4 | 1635.8 | 1666.4 |
| 22.5° | 1109.0 | 1181.0 | 1236.2 | 1302.3 | 1376.3 | 1433.6 | 1476.0 | 1545.0 | 1611.2 | 1637.8 | 1664.4 |
| 25°   | 1084.3 | 1146.5 | 1210.6 | 1285.6 | 1372.4 | 1440.5 | 1477.0 | 1553.9 | 1612.1 | 1622.0 | 1627.9 |
| 27.5° | 1038.9 | 1109.0 | 1183.9 | 1269.8 | 1371.4 | 1428.6 | 1475.0 | 1545.0 | 1591.4 | 1584.5 | 1566.8 |
| 30°   | 982.7  | 1068.5 | 1151.4 | 1244.1 | 1357.6 | 1419.7 | 1463.2 | 1527.3 | 1551.0 | 1515.5 | 1483.9 |
| 32.5° | 941.2  | 1022.1 | 1113.9 | 1221.4 | 1341.8 | 1401.0 | 1443.4 | 1493.7 | 1498.7 | 1434.5 | 1381.3 |
| 35°   | 885.0  | 974.8  | 1078.4 | 1191.8 | 1315.2 | 1368.4 | 1407.9 | 1438.5 | 1414.8 | 1325.0 | 1261.9 |
| 37.5° | 834.7  | 923.5  | 1034.0 | 1149.4 | 1278.7 | 1331.0 | 1362.5 | 1367.5 | 1309.2 | 1230.3 | 1137.6 |
| 40°   | 779.4  | 871.2  | 986.6  | 1108.0 | 1238.2 | 1283.6 | 1303.3 | 1288.5 | 1204.7 | 1112.9 | 1005.4 |
| 42.5° | 724.2  | 814.9  | 939.3  | 1063.6 | 1186.9 | 1225.4 | 1233.3 | 1192.8 | 1090.2 | 982.7  | 858.4  |
| 45°   | 664.0  | 758.7  | 883.0  | 1008.3 | 1127.7 | 1149.4 | 1150.4 | 1092.2 | 970.8  | 858.4  | 742.9  |
| 47.5° | 614.7  | 702.5  | 825.8  | 951.1  | 1051.7 | 1066.5 | 1060.6 | 993.5  | 861.3  | 735.0  | 634.4  |
| 50°   | 560.4  | 644.3  | 766.6  | 889.9  | 975.8  | 979.7  | 964.9  | 869.2  | 740.0  | 624.5  | 544.6  |
| 52.5° | 502.2  | 587.0  | 699.5  | 817.9  | 894.9  | 888.9  | 860.3  | 757.7  | 636.4  | 540.7  | 479.5  |
| 55°   | 455.8  | 530.8  | 636.4  | 751.8  | 806.1  | 789.3  | 757.7  | 653.1  | 557.4  | 476.5  | 423.3  |
| 57.5° | 404.5  | 470.6  | 574.2  | 674.8  | 706.4  | 690.6  | 659.1  | 561.4  | 472.6  | 411.4  | 375.9  |
| 60°   | 356.2  | 416.4  | 507.1  | 591.0  | 615.7  | 598.9  | 562.4  | 474.6  | 410.4  | 359.1  | 332.5  |
| 62.5° | 311.8  | 364.1  | 440.0  | 517.0  | 526.9  | 510.1  | 478.5  | 407.5  | 352.2  | 311.8  | 292.0  |
| 65°   | 270.3  | 319.7  | 380.8  | 439.0  | 447.9  | 430.2  | 397.6  | 346.3  | 299.9  | 274.3  | 255.5  |
| 67.5° | 229.9  | 269.3  | 323.6  | 366.0  | 371.0  | 354.2  | 327.6  | 286.1  | 257.5  | 229.9  | 216.1  |
| 70°   | 194.4  | 224.0  | 266.4  | 300.9  | 302.9  | 287.1  | 273.3  | 235.8  | 214.1  | 194.4  | 183.5  |
| 72.5° | 159.8  | 180.6  | 213.1  | 238.8  | 239.7  | 229.9  | 217.1  | 193.4  | 174.6  | 160.8  | 150.0  |
| 75°   | 126.3  | 144.0  | 163.8  | 186.5  | 185.5  | 177.6  | 167.7  | 152.9  | 137.1  | 128.3  | 123.3  |
| 77.5° | 96.7   | 107.5  | 123.3  | 138.1  | 138.1  | 134.2  | 128.3  | 117.4  | 107.5  | 98.7   | 93.7   |
| 80°   | 69.1   | 76.0   | 88.8   | 93.7   | 95.7   | 94.7   | 89.8   | 81.9   | 77.9   | 71.0   | 69.1   |
| 82.5° | 44.4   | 49.3   | 55.3   | 60.2   | 63.1   | 61.2   | 60.2   | 56.2   | 50.3   | 48.3   | 46.4   |
| 85°   | 25.7   | 27.6   | 30.6   | 33.5   | 34.5   | 33.5   | 35.5   | 32.6   | 29.6   | 29.6   | 28.6   |
| 87.5° | 10.9   | 11.8   | 13.8   | 13.8   | 14.8   | 14.8   | 13.8   | 14.8   | 14.8   | 13.8   | 12.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 |
| 2.5°  | 1333.9 | 1334.9 | 1336.9 | 1346.7 | 1351.7 | 1352.7 | 1348.7 | 1357.6 | 1360.6 | 1357.6 | 1355.6 |
| 5°    | 1397.1 | 1403.0 | 1414.8 | 1427.6 | 1426.7 | 1427.6 | 1433.6 | 1439.5 | 1441.5 | 1433.6 | 1436.5 |
| 7.5°  | 1452.3 | 1464.1 | 1477.0 | 1496.7 | 1496.7 | 1506.6 | 1510.5 | 1515.5 | 1527.3 | 1521.4 | 1519.4 |
| 10°   | 1515.5 | 1531.2 | 1554.9 | 1586.5 | 1587.5 | 1597.3 | 1607.2 | 1623.0 | 1627.9 | 1624.0 | 1626.0 |
| 12.5° | 1594.4 | 1625.0 | 1626.9 | 1661.5 | 1677.3 | 1679.2 | 1695.0 | 1692.1 | 1701.9 | 1701.9 | 1718.7 |
| 15°   | 1628.9 | 1676.3 | 1702.9 | 1736.5 | 1746.3 | 1734.5 | 1747.3 | 1761.1 | 1762.1 | 1762.1 | 1761.1 |
| 17.5° | 1691.1 | 1709.8 | 1736.5 | 1754.2 | 1758.2 | 1758.2 | 1759.1 | 1765.1 | 1761.1 | 1753.2 | 1759.1 |
| 20°   | 1703.9 | 1711.8 | 1721.7 | 1719.7 | 1721.7 | 1711.8 | 1701.9 | 1692.1 | 1693.0 | 1688.1 | 1702.9 |
| 22.5° | 1680.2 | 1678.2 | 1655.6 | 1640.8 | 1640.8 | 1621.0 | 1602.3 | 1593.4 | 1584.5 | 1587.5 | 1592.4 |
| 25°   | 1621.0 | 1590.4 | 1562.8 | 1541.1 | 1536.2 | 1504.6 | 1478.9 | 1471.1 | 1456.3 | 1468.1 | 1470.1 |
| 27.5° | 1526.3 | 1491.8 | 1447.4 | 1428.6 | 1403.0 | 1390.1 | 1372.4 | 1348.7 | 1318.1 | 1335.9 | 1332.9 |
| 30°   | 1424.7 | 1373.4 | 1336.9 | 1291.5 | 1251.0 | 1248.1 | 1214.5 | 1175.1 | 1159.3 | 1159.3 | 1168.2 |
| 32.5° | 1311.2 | 1243.1 | 1189.9 | 1125.7 | 1086.3 | 1069.5 | 1029.0 | 989.6  | 998.5  | 968.9  | 979.7  |
| 35°   | 1179.0 | 1089.2 | 1022.1 | 960.0  | 930.4  | 910.7  | 858.4  | 836.7  | 813.0  | 799.2  | 824.8  |
| 37.5° | 1052.7 | 949.1  | 863.3  | 795.2  | 784.4  | 748.8  | 713.3  | 699.5  | 685.7  | 691.6  | 690.6  |
| 40°   | 898.8  | 807.1  | 730.1  | 676.8  | 658.1  | 641.3  | 617.6  | 600.9  | 592.0  | 596.9  | 597.9  |
| 42.5° | 759.7  | 682.7  | 625.5  | 588.0  | 572.2  | 560.4  | 548.6  | 534.7  | 531.8  | 531.8  | 535.7  |
| 45°   | 652.2  | 589.0  | 550.5  | 519.9  | 511.1  | 502.2  | 493.3  | 487.4  | 485.4  | 481.5  | 484.4  |
| 47.5° | 566.3  | 516.0  | 492.3  | 469.6  | 459.8  | 457.8  | 449.9  | 446.9  | 443.0  | 442.0  | 443.0  |
| 50°   | 494.3  | 462.7  | 441.0  | 428.2  | 421.3  | 418.3  | 414.4  | 408.5  | 406.5  | 411.4  | 409.4  |
| 52.5° | 444.0  | 414.4  | 402.5  | 389.7  | 385.8  | 381.8  | 375.9  | 376.9  | 375.9  | 373.9  | 373.9  |
| 55°   | 393.7  | 374.9  | 363.1  | 353.2  | 352.2  | 348.3  | 343.3  | 341.4  | 340.4  | 338.4  | 341.4  |
| 57.5° | 353.2  | 338.4  | 327.6  | 318.7  | 314.7  | 314.7  | 309.8  | 305.9  | 305.9  | 304.9  | 305.9  |
| 60°   | 312.8  | 298.0  | 291.1  | 282.2  | 279.2  | 278.2  | 275.3  | 273.3  | 270.3  | 270.3  | 270.3  |
| 62.5° | 275.3  | 263.4  | 255.5  | 247.6  | 248.6  | 243.7  | 239.7  | 237.8  | 237.8  | 238.8  | 238.8  |
| 65°   | 239.7  | 231.9  | 222.0  | 215.1  | 213.1  | 212.1  | 210.2  | 209.2  | 206.2  | 208.2  | 208.2  |
| 67.5° | 207.2  | 196.3  | 190.4  | 187.5  | 184.5  | 183.5  | 181.5  | 179.6  | 178.6  | 177.6  | 179.6  |
| 70°   | 174.6  | 165.8  | 160.8  | 158.8  | 155.9  | 154.9  | 153.9  | 151.0  | 151.9  | 152.9  | 153.9  |
| 72.5° | 145.0  | 137.1  | 136.2  | 130.2  | 130.2  | 130.2  | 126.3  | 128.3  | 127.3  | 125.3  | 127.3  |
| 75°   | 114.4  | 110.5  | 108.5  | 105.6  | 106.6  | 105.6  | 104.6  | 101.6  | 101.6  | 102.6  | 103.6  |
| 77.5° | 90.8   | 86.8   | 85.8   | 82.9   | 80.9   | 82.9   | 80.9   | 79.9   | 79.9   | 80.9   | 80.9   |
| 80°   | 67.1   | 65.1   | 62.2   | 62.2   | 62.2   | 61.2   | 61.2   | 61.2   | 60.2   | 59.2   | 60.2   |
| 82.5° | 44.4   | 44.4   | 43.4   | 42.4   | 43.4   | 41.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   |
| 85°   | 28.6   | 27.6   | 27.6   | 26.6   | 26.6   | 26.6   | 27.6   | 25.7   | 25.7   | 26.6   | 26.6   |
| 87.5° | 12.8   | 12.8   | 12.8   | 13.8   | 12.8   | 12.8   | 12.8   | 13.8   | 12.8   | 12.8   | 12.8   |
| 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: P987515  
 CATALOG NUMBER: S122DR-B675DB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 |
| 2.5°  | 1360.6 | 1353.6 | 1347.7 | 1348.7 | 1353.6 | 1349.7 | 1339.8 | 1327.0 | 1322.1 | 1316.2 | 1322.1 |
| 5°    | 1442.4 | 1436.5 | 1424.7 | 1425.7 | 1422.7 | 1418.8 | 1403.0 | 1383.2 | 1383.2 | 1367.5 | 1365.5 |
| 7.5°  | 1523.3 | 1514.5 | 1506.6 | 1504.6 | 1493.7 | 1485.9 | 1472.0 | 1444.4 | 1433.6 | 1414.8 | 1404.0 |
| 10°   | 1614.1 | 1607.2 | 1598.3 | 1587.5 | 1581.6 | 1567.7 | 1545.0 | 1504.6 | 1484.9 | 1459.2 | 1440.5 |
| 12.5° | 1705.9 | 1704.9 | 1685.1 | 1663.4 | 1662.5 | 1640.8 | 1625.0 | 1570.7 | 1544.1 | 1509.5 | 1465.1 |
| 15°   | 1764.1 | 1759.1 | 1748.3 | 1737.4 | 1740.4 | 1716.7 | 1681.2 | 1617.1 | 1599.3 | 1557.9 | 1510.5 |
| 17.5° | 1763.1 | 1763.1 | 1760.1 | 1758.2 | 1755.2 | 1748.3 | 1728.6 | 1686.1 | 1657.5 | 1605.2 | 1560.8 |
| 20°   | 1706.9 | 1719.7 | 1722.6 | 1721.7 | 1731.5 | 1736.5 | 1735.5 | 1708.8 | 1686.1 | 1639.8 | 1594.4 |
| 22.5° | 1594.4 | 1624.0 | 1636.8 | 1644.7 | 1665.4 | 1676.3 | 1701.9 | 1692.1 | 1686.1 | 1651.6 | 1613.1 |
| 25°   | 1489.8 | 1499.7 | 1538.1 | 1540.1 | 1568.7 | 1595.4 | 1621.0 | 1637.8 | 1659.5 | 1646.7 | 1614.1 |
| 27.5° | 1354.6 | 1377.3 | 1404.9 | 1425.7 | 1431.6 | 1485.9 | 1528.3 | 1559.8 | 1609.2 | 1613.1 | 1602.3 |
| 30°   | 1201.7 | 1212.6 | 1257.9 | 1285.6 | 1317.1 | 1356.6 | 1417.8 | 1472.0 | 1516.4 | 1556.9 | 1570.7 |
| 32.5° | 1015.2 | 1059.6 | 1086.3 | 1119.8 | 1147.4 | 1217.5 | 1292.5 | 1362.5 | 1413.8 | 1481.9 | 1511.5 |
| 35°   | 844.5  | 879.1  | 924.5  | 938.3  | 988.6  | 1047.8 | 1145.5 | 1235.2 | 1313.2 | 1382.3 | 1442.4 |
| 37.5° | 703.5  | 731.1  | 779.4  | 801.1  | 830.7  | 906.7  | 988.6  | 1100.1 | 1193.8 | 1278.7 | 1353.6 |
| 40°   | 606.8  | 627.5  | 664.0  | 670.9  | 695.6  | 764.6  | 830.7  | 935.3  | 1059.6 | 1174.1 | 1256.0 |
| 42.5° | 540.7  | 550.5  | 575.2  | 584.1  | 599.9  | 646.2  | 705.4  | 804.1  | 919.5  | 1037.9 | 1153.4 |
| 45°   | 493.3  | 500.2  | 515.0  | 522.9  | 542.6  | 563.4  | 611.7  | 690.6  | 781.4  | 900.8  | 1025.1 |
| 47.5° | 450.9  | 459.8  | 465.7  | 470.6  | 481.5  | 504.2  | 535.7  | 593.9  | 680.8  | 790.3  | 910.7  |
| 50°   | 415.4  | 418.3  | 429.2  | 430.2  | 437.1  | 451.9  | 481.5  | 517.0  | 586.1  | 674.8  | 791.3  |
| 52.5° | 379.8  | 382.8  | 389.7  | 396.6  | 399.6  | 411.4  | 431.2  | 460.8  | 512.1  | 582.1  | 685.7  |
| 55°   | 344.3  | 348.3  | 355.2  | 360.1  | 363.1  | 372.9  | 384.8  | 413.4  | 453.8  | 503.2  | 588.0  |
| 57.5° | 308.8  | 317.7  | 319.7  | 322.6  | 327.6  | 338.4  | 349.3  | 366.0  | 397.6  | 443.0  | 505.2  |
| 60°   | 275.3  | 278.2  | 285.1  | 288.1  | 293.0  | 298.9  | 312.8  | 325.6  | 348.3  | 383.8  | 440.0  |
| 62.5° | 240.7  | 247.6  | 250.6  | 253.6  | 257.5  | 264.4  | 273.3  | 287.1  | 306.8  | 335.5  | 379.8  |
| 65°   | 211.1  | 212.1  | 218.0  | 222.0  | 225.9  | 230.9  | 239.7  | 252.6  | 264.4  | 291.1  | 323.6  |
| 67.5° | 182.5  | 184.5  | 186.5  | 190.4  | 195.4  | 200.3  | 208.2  | 215.1  | 229.9  | 247.6  | 273.3  |
| 70°   | 154.9  | 154.9  | 159.8  | 162.8  | 161.8  | 167.7  | 173.6  | 181.5  | 192.4  | 209.2  | 229.9  |
| 72.5° | 130.2  | 129.2  | 133.2  | 134.2  | 136.2  | 140.1  | 144.0  | 151.9  | 157.9  | 170.7  | 186.5  |
| 75°   | 103.6  | 105.6  | 107.5  | 107.5  | 110.5  | 113.5  | 117.4  | 121.4  | 128.3  | 136.2  | 148.0  |
| 77.5° | 81.9   | 81.9   | 83.9   | 84.8   | 87.8   | 86.8   | 90.8   | 94.7   | 99.6   | 106.6  | 115.4  |
| 80°   | 60.2   | 62.2   | 62.2   | 62.2   | 63.1   | 64.1   | 68.1   | 71.0   | 74.0   | 78.9   | 82.9   |
| 82.5° | 42.4   | 42.4   | 44.4   | 44.4   | 44.4   | 46.4   | 46.4   | 47.4   | 49.3   | 52.3   | 55.3   |
| 85°   | 26.6   | 26.6   | 26.6   | 27.6   | 26.6   | 27.6   | 29.6   | 28.6   | 29.6   | 31.6   | 31.6   |
| 87.5° | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 13.8   | 12.8   | 13.8   | 14.8   | 14.8   | 14.8   |
| 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: P987515  
 CATALOG NUMBER: S122DR-B675DB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 |
| 2.5°  | 1317.1 | 1312.2 | 1309.2 | 1311.2 | 1305.3 | 1290.5 | 1290.5 | 1295.4 | 1289.5 | 1283.6 | 1274.7 |
| 5°    | 1353.6 | 1343.8 | 1337.9 | 1336.9 | 1323.1 | 1299.4 | 1294.4 | 1289.5 | 1276.7 | 1262.9 | 1248.1 |
| 7.5°  | 1389.2 | 1371.4 | 1361.5 | 1354.6 | 1334.9 | 1304.3 | 1291.5 | 1280.6 | 1259.9 | 1239.2 | 1220.5 |
| 10°   | 1418.8 | 1393.1 | 1381.3 | 1370.4 | 1344.8 | 1306.3 | 1285.6 | 1265.8 | 1239.2 | 1212.6 | 1188.9 |
| 12.5° | 1442.4 | 1412.8 | 1398.0 | 1382.3 | 1350.7 | 1300.4 | 1274.7 | 1243.1 | 1216.5 | 1181.0 | 1157.3 |
| 15°   | 1481.9 | 1420.7 | 1406.9 | 1392.1 | 1359.6 | 1290.5 | 1258.9 | 1223.4 | 1186.9 | 1139.5 | 1113.9 |
| 17.5° | 1513.5 | 1431.6 | 1430.6 | 1399.0 | 1356.6 | 1286.6 | 1238.2 | 1191.8 | 1152.4 | 1105.0 | 1064.6 |
| 20°   | 1532.2 | 1448.4 | 1432.6 | 1400.0 | 1346.7 | 1259.9 | 1209.6 | 1158.3 | 1115.9 | 1058.6 | 1018.2 |
| 22.5° | 1548.0 | 1472.0 | 1430.6 | 1391.1 | 1326.0 | 1251.0 | 1177.0 | 1128.7 | 1070.5 | 1008.3 | 969.8  |
| 25°   | 1553.9 | 1477.0 | 1433.6 | 1388.2 | 1311.2 | 1225.4 | 1141.5 | 1089.2 | 1024.1 | 967.9  | 915.6  |
| 27.5° | 1554.9 | 1476.0 | 1422.7 | 1375.4 | 1290.5 | 1191.8 | 1106.0 | 1050.8 | 978.7  | 913.6  | 861.3  |
| 30°   | 1545.0 | 1465.1 | 1416.8 | 1365.5 | 1270.8 | 1161.3 | 1062.6 | 1001.4 | 924.5  | 859.3  | 805.1  |
| 32.5° | 1515.5 | 1443.4 | 1404.0 | 1347.7 | 1245.1 | 1118.8 | 1021.2 | 953.1  | 872.2  | 808.0  | 755.8  |
| 35°   | 1466.1 | 1416.8 | 1373.4 | 1321.1 | 1211.6 | 1079.4 | 979.7  | 899.8  | 817.9  | 756.7  | 707.4  |
| 37.5° | 1404.9 | 1378.3 | 1337.9 | 1286.6 | 1173.1 | 1043.8 | 933.3  | 844.5  | 762.7  | 703.5  | 655.1  |
| 40°   | 1322.1 | 1329.0 | 1289.5 | 1243.1 | 1127.7 | 995.5  | 873.2  | 788.3  | 711.4  | 656.1  | 608.7  |
| 42.5° | 1232.3 | 1260.9 | 1238.2 | 1193.8 | 1077.4 | 942.2  | 828.8  | 735.0  | 660.0  | 602.8  | 563.4  |
| 45°   | 1135.6 | 1184.9 | 1171.1 | 1138.6 | 1025.1 | 886.0  | 765.6  | 674.8  | 608.7  | 553.5  | 519.0  |
| 47.5° | 1030.0 | 1100.1 | 1100.1 | 1076.4 | 966.9  | 829.7  | 711.4  | 618.6  | 553.5  | 514.0  | 480.5  |
| 50°   | 922.5  | 1001.4 | 1014.2 | 998.5  | 901.8  | 765.6  | 645.3  | 561.4  | 505.2  | 466.7  | 442.0  |
| 52.5° | 810.0  | 901.8  | 925.5  | 917.6  | 832.7  | 704.4  | 591.0  | 509.1  | 457.8  | 424.2  | 402.5  |
| 55°   | 702.5  | 809.0  | 834.7  | 837.6  | 758.7  | 637.4  | 530.8  | 458.8  | 409.4  | 386.8  | 368.0  |
| 57.5° | 600.9  | 703.5  | 732.1  | 737.0  | 683.7  | 576.2  | 474.6  | 411.4  | 367.0  | 348.3  | 333.5  |
| 60°   | 514.0  | 599.9  | 637.4  | 648.2  | 601.8  | 505.2  | 422.3  | 361.1  | 327.6  | 309.8  | 296.0  |
| 62.5° | 443.0  | 512.1  | 551.5  | 554.5  | 533.8  | 443.0  | 368.0  | 316.7  | 288.1  | 272.3  | 265.4  |
| 65°   | 373.9  | 436.1  | 459.8  | 471.6  | 454.8  | 383.8  | 317.7  | 275.3  | 252.6  | 238.8  | 231.9  |
| 67.5° | 318.7  | 358.1  | 377.9  | 393.7  | 376.9  | 323.6  | 270.3  | 235.8  | 219.0  | 205.2  | 201.3  |
| 70°   | 261.5  | 294.0  | 308.8  | 324.6  | 309.8  | 269.3  | 230.9  | 199.3  | 184.5  | 173.6  | 168.7  |
| 72.5° | 209.2  | 234.8  | 248.6  | 258.5  | 249.6  | 216.1  | 184.5  | 162.8  | 151.9  | 144.0  | 141.1  |
| 75°   | 165.8  | 183.5  | 191.4  | 198.3  | 194.4  | 168.7  | 149.0  | 131.2  | 121.4  | 114.4  | 112.5  |
| 77.5° | 126.3  | 139.1  | 148.0  | 150.0  | 145.0  | 128.3  | 111.5  | 100.6  | 92.7   | 88.8   | 86.8   |
| 80°   | 89.8   | 97.7   | 102.6  | 105.6  | 100.6  | 93.7   | 81.9   | 74.0   | 67.1   | 62.2   | 61.2   |
| 82.5° | 60.2   | 64.1   | 68.1   | 67.1   | 65.1   | 59.2   | 52.3   | 48.3   | 45.4   | 41.4   | 41.4   |
| 85°   | 34.5   | 35.5   | 37.5   | 38.5   | 37.5   | 33.5   | 29.6   | 27.6   | 25.7   | 22.7   | 22.7   |
| 87.5° | 14.8   | 15.8   | 15.8   | 16.8   | 14.8   | 14.8   | 12.8   | 10.9   | 10.9   | 9.9    | 8.9    |
| 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: P987515  
 CATALOG NUMBER: S122DR-B675DB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 |
| 2.5°  | 1269.8 | 1274.7 | 1273.7 | 1263.9 | 1253.0 | 1244.1 | 1227.4 | 1229.3 | 1223.4 | 1224.4 | 1230.3 |
| 5°    | 1238.2 | 1238.2 | 1234.3 | 1220.5 | 1202.7 | 1192.8 | 1174.1 | 1169.1 | 1157.3 | 1156.3 | 1155.3 |
| 7.5°  | 1204.7 | 1199.7 | 1194.8 | 1175.1 | 1153.4 | 1137.6 | 1111.9 | 1106.0 | 1094.2 | 1086.3 | 1082.3 |
| 10°   | 1165.2 | 1158.3 | 1148.4 | 1125.7 | 1099.1 | 1079.4 | 1052.7 | 1044.8 | 1022.1 | 1012.3 | 1006.4 |
| 12.5° | 1121.8 | 1117.8 | 1102.1 | 1083.3 | 1039.9 | 1018.2 | 979.7  | 987.6  | 964.9  | 945.2  | 942.2  |
| 15°   | 1078.4 | 1063.6 | 1054.7 | 1024.1 | 971.8  | 962.0  | 931.4  | 915.6  | 894.9  | 879.1  | 879.1  |
| 17.5° | 1036.0 | 1013.3 | 993.5  | 961.0  | 922.5  | 894.9  | 872.2  | 864.3  | 838.6  | 822.8  | 819.9  |
| 20°   | 979.7  | 954.1  | 949.1  | 902.8  | 876.1  | 845.5  | 823.8  | 804.1  | 785.4  | 778.4  | 773.5  |
| 22.5° | 926.4  | 896.8  | 888.9  | 849.5  | 822.8  | 792.3  | 770.6  | 756.7  | 742.9  | 738.0  | 729.1  |
| 25°   | 869.2  | 851.5  | 839.6  | 797.2  | 767.6  | 739.0  | 724.2  | 714.3  | 701.5  | 700.5  | 694.6  |
| 27.5° | 814.0  | 797.2  | 785.4  | 744.9  | 723.2  | 696.6  | 684.7  | 673.9  | 667.0  | 664.0  | 661.0  |
| 30°   | 766.6  | 747.9  | 734.0  | 704.4  | 677.8  | 656.1  | 646.2  | 639.3  | 635.4  | 630.5  | 629.5  |
| 32.5° | 714.3  | 703.5  | 684.7  | 662.0  | 641.3  | 620.6  | 614.7  | 609.7  | 603.8  | 601.8  | 600.9  |
| 35°   | 669.9  | 655.1  | 643.3  | 617.6  | 608.7  | 591.0  | 584.1  | 580.1  | 572.2  | 570.3  | 568.3  |
| 37.5° | 626.5  | 612.7  | 599.9  | 584.1  | 567.3  | 557.4  | 553.5  | 547.6  | 543.6  | 544.6  | 542.6  |
| 40°   | 583.1  | 572.2  | 562.4  | 545.6  | 535.7  | 530.8  | 522.9  | 517.0  | 515.0  | 516.0  | 515.0  |
| 42.5° | 540.7  | 530.8  | 524.9  | 512.1  | 502.2  | 497.3  | 492.3  | 486.4  | 489.4  | 489.4  | 492.3  |
| 45°   | 502.2  | 493.3  | 489.4  | 479.5  | 473.6  | 465.7  | 460.8  | 459.8  | 463.7  | 462.7  | 462.7  |
| 47.5° | 462.7  | 459.8  | 454.8  | 446.0  | 438.1  | 433.1  | 432.1  | 432.1  | 436.1  | 438.1  | 437.1  |
| 50°   | 432.1  | 426.2  | 420.3  | 413.4  | 407.5  | 405.5  | 402.5  | 404.5  | 408.5  | 408.5  | 410.4  |
| 52.5° | 393.7  | 389.7  | 387.7  | 381.8  | 377.9  | 377.9  | 377.9  | 378.9  | 381.8  | 384.8  | 383.8  |
| 55°   | 360.1  | 357.2  | 355.2  | 352.2  | 347.3  | 348.3  | 347.3  | 349.3  | 352.2  | 355.2  | 357.2  |
| 57.5° | 324.6  | 323.6  | 321.6  | 316.7  | 316.7  | 315.7  | 318.7  | 319.7  | 324.6  | 326.6  | 329.5  |
| 60°   | 293.0  | 290.1  | 290.1  | 286.1  | 286.1  | 286.1  | 289.1  | 292.0  | 296.0  | 297.0  | 298.9  |
| 62.5° | 259.5  | 259.5  | 258.5  | 255.5  | 255.5  | 258.5  | 259.5  | 263.4  | 265.4  | 265.4  | 268.4  |
| 65°   | 227.9  | 226.9  | 225.9  | 226.9  | 227.9  | 227.9  | 230.9  | 232.8  | 234.8  | 235.8  | 236.8  |
| 67.5° | 196.3  | 195.4  | 197.3  | 196.3  | 198.3  | 202.3  | 201.3  | 204.2  | 207.2  | 207.2  | 208.2  |
| 70°   | 166.7  | 168.7  | 167.7  | 169.7  | 168.7  | 170.7  | 173.6  | 174.6  | 174.6  | 175.6  | 178.6  |
| 72.5° | 139.1  | 139.1  | 139.1  | 138.1  | 139.1  | 141.1  | 143.1  | 144.0  | 146.0  | 147.0  | 150.0  |
| 75°   | 112.5  | 112.5  | 110.5  | 112.5  | 112.5  | 114.4  | 116.4  | 116.4  | 116.4  | 118.4  | 121.4  |
| 77.5° | 84.8   | 85.8   | 84.8   | 86.8   | 86.8   | 87.8   | 89.8   | 88.8   | 90.8   | 91.8   | 92.7   |
| 80°   | 62.2   | 61.2   | 61.2   | 61.2   | 62.2   | 62.2   | 64.1   | 65.1   | 65.1   | 68.1   | 66.1   |
| 82.5° | 39.5   | 40.5   | 39.5   | 40.5   | 40.5   | 41.4   | 40.5   | 41.4   | 42.4   | 44.4   | 43.4   |
| 85°   | 22.7   | 21.7   | 21.7   | 22.7   | 21.7   | 21.7   | 22.7   | 21.7   | 22.7   | 21.7   | 22.7   |
| 87.5° | 8.9    | 7.9    | 7.9    | 7.9    | 7.9    | 6.9    | 6.9    | 5.9    | 5.9    | 5.9    | 4.9    |
| 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: P987515  
 CATALOG NUMBER: S122DR-B675DB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 |
| 2.5°  | 1223.4 | 1226.4 | 1219.5 | 1217.5 | 1219.5 | 1212.6 | 1214.5 | 1216.5 | 1216.5 | 1219.5 | 1221.4 |
| 5°    | 1152.4 | 1148.4 | 1141.5 | 1139.5 | 1137.6 | 1140.5 | 1138.6 | 1141.5 | 1142.5 | 1149.4 | 1150.4 |
| 7.5°  | 1082.3 | 1076.4 | 1070.5 | 1064.6 | 1062.6 | 1057.7 | 1062.6 | 1062.6 | 1069.5 | 1067.5 | 1072.5 |
| 10°   | 999.4  | 998.5  | 990.6  | 987.6  | 983.7  | 975.8  | 986.6  | 983.7  | 988.6  | 997.5  | 999.4  |
| 12.5° | 938.3  | 927.4  | 932.4  | 918.5  | 923.5  | 915.6  | 916.6  | 916.6  | 924.5  | 925.5  | 923.5  |
| 15°   | 880.1  | 871.2  | 858.4  | 852.4  | 849.5  | 845.5  | 858.4  | 859.3  | 853.4  | 867.2  | 862.3  |
| 17.5° | 820.9  | 820.9  | 809.0  | 806.1  | 798.2  | 802.1  | 800.1  | 801.1  | 799.2  | 809.0  | 814.0  |
| 20°   | 769.6  | 764.6  | 760.7  | 761.7  | 751.8  | 749.8  | 747.9  | 749.8  | 756.7  | 763.6  | 765.6  |
| 22.5° | 728.1  | 725.2  | 715.3  | 717.3  | 709.4  | 712.3  | 710.4  | 715.3  | 716.3  | 716.3  | 723.2  |
| 25°   | 688.7  | 684.7  | 685.7  | 681.8  | 678.8  | 678.8  | 675.8  | 678.8  | 682.7  | 684.7  | 685.7  |
| 27.5° | 659.1  | 656.1  | 651.2  | 648.2  | 650.2  | 645.3  | 649.2  | 652.2  | 652.2  | 650.2  | 652.2  |
| 30°   | 623.5  | 625.5  | 625.5  | 615.7  | 619.6  | 617.6  | 620.6  | 622.6  | 622.6  | 623.5  | 621.6  |
| 32.5° | 599.9  | 593.9  | 593.0  | 592.0  | 592.0  | 588.0  | 588.0  | 591.0  | 592.0  | 593.0  | 595.9  |
| 35°   | 568.3  | 568.3  | 563.4  | 566.3  | 562.4  | 563.4  | 562.4  | 563.4  | 565.3  | 562.4  | 565.3  |
| 37.5° | 539.7  | 540.7  | 538.7  | 540.7  | 541.7  | 539.7  | 537.7  | 541.7  | 539.7  | 539.7  | 537.7  |
| 40°   | 515.0  | 514.0  | 515.0  | 515.0  | 515.0  | 516.0  | 514.0  | 514.0  | 514.0  | 512.1  | 510.1  |
| 42.5° | 494.3  | 488.4  | 490.4  | 491.3  | 488.4  | 488.4  | 489.4  | 488.4  | 491.3  | 485.4  | 485.4  |
| 45°   | 464.7  | 462.7  | 463.7  | 463.7  | 465.7  | 462.7  | 464.7  | 465.7  | 462.7  | 461.7  | 459.8  |
| 47.5° | 438.1  | 440.0  | 438.1  | 440.0  | 440.0  | 442.0  | 438.1  | 439.0  | 440.0  | 436.1  | 433.1  |
| 50°   | 411.4  | 411.4  | 414.4  | 413.4  | 414.4  | 412.4  | 412.4  | 411.4  | 412.4  | 410.4  | 407.5  |
| 52.5° | 386.8  | 383.8  | 388.7  | 387.7  | 386.8  | 385.8  | 384.8  | 385.8  | 383.8  | 381.8  | 381.8  |
| 55°   | 356.2  | 356.2  | 359.1  | 360.1  | 360.1  | 358.1  | 356.2  | 357.2  | 356.2  | 355.2  | 354.2  |
| 57.5° | 331.5  | 327.6  | 329.5  | 330.5  | 330.5  | 327.6  | 329.5  | 327.6  | 327.6  | 328.5  | 325.6  |
| 60°   | 299.9  | 299.9  | 298.0  | 300.9  | 300.9  | 298.9  | 298.9  | 299.9  | 298.0  | 297.0  | 296.0  |
| 62.5° | 266.4  | 267.4  | 270.3  | 271.3  | 272.3  | 270.3  | 268.4  | 269.3  | 269.3  | 266.4  | 267.4  |
| 65°   | 237.8  | 239.7  | 243.7  | 242.7  | 240.7  | 241.7  | 239.7  | 240.7  | 237.8  | 238.8  | 235.8  |
| 67.5° | 210.2  | 209.2  | 210.2  | 210.2  | 212.1  | 211.1  | 209.2  | 209.2  | 208.2  | 211.1  | 208.2  |
| 70°   | 180.6  | 180.6  | 180.6  | 180.6  | 181.5  | 182.5  | 180.6  | 178.6  | 179.6  | 177.6  | 176.6  |
| 72.5° | 150.0  | 151.0  | 150.0  | 151.9  | 149.0  | 151.0  | 151.0  | 150.0  | 149.0  | 149.0  | 149.0  |
| 75°   | 121.4  | 123.3  | 120.4  | 121.4  | 120.4  | 122.3  | 121.4  | 121.4  | 119.4  | 118.4  | 119.4  |
| 77.5° | 92.7   | 93.7   | 91.8   | 92.7   | 91.8   | 92.7   | 92.7   | 91.8   | 91.8   | 91.8   | 91.8   |
| 80°   | 66.1   | 67.1   | 66.1   | 65.1   | 64.1   | 66.1   | 64.1   | 65.1   | 66.1   | 65.1   | 67.1   |
| 82.5° | 42.4   | 42.4   | 41.4   | 42.4   | 40.5   | 40.5   | 41.4   | 41.4   | 40.5   | 42.4   | 40.5   |
| 85°   | 20.7   | 20.7   | 22.7   | 20.7   | 19.7   | 19.7   | 19.7   | 20.7   | 19.7   | 21.7   | 20.7   |
| 87.5° | 4.9    | 3.9    | 4.9    | 4.9    | 3.9    | 3.9    | 4.9    | 3.9    | 4.9    | 5.9    | 3.9    |
| 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: P987515  
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**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 | 1283.6 |
| 2.5°  | 1218.5 | 1226.4 | 1223.4 | 1212.6 | 1225.4 | 1225.4 | 1234.3 | 1234.3 | 1245.1 | 1249.1 | 1255.0 |
| 5°    | 1149.4 | 1155.3 | 1160.3 | 1155.3 | 1164.2 | 1178.0 | 1185.9 | 1192.8 | 1207.6 | 1213.5 | 1222.4 |
| 7.5°  | 1075.4 | 1086.3 | 1091.2 | 1091.2 | 1106.0 | 1121.8 | 1137.6 | 1147.4 | 1168.2 | 1176.1 | 1184.9 |
| 10°   | 1003.4 | 1016.2 | 1026.1 | 1025.1 | 1049.8 | 1059.6 | 1079.4 | 1102.1 | 1122.8 | 1134.6 | 1147.4 |
| 12.5° | 927.4  | 934.3  | 948.1  | 967.9  | 973.8  | 991.6  | 1014.2 | 1042.9 | 1080.4 | 1091.2 | 1109.9 |
| 15°   | 864.3  | 883.0  | 893.9  | 902.8  | 916.6  | 933.3  | 958.0  | 985.6  | 1023.1 | 1046.8 | 1066.5 |
| 17.5° | 811.0  | 835.7  | 842.6  | 840.6  | 858.4  | 884.0  | 912.6  | 933.3  | 966.9  | 995.5  | 1014.2 |
| 20°   | 767.6  | 777.5  | 789.3  | 794.2  | 808.0  | 835.7  | 863.3  | 887.0  | 914.6  | 937.3  | 959.0  |
| 22.5° | 724.2  | 732.1  | 741.9  | 750.8  | 761.7  | 777.5  | 804.1  | 833.7  | 860.3  | 882.0  | 906.7  |
| 25°   | 688.7  | 693.6  | 702.5  | 709.4  | 721.2  | 732.1  | 750.8  | 783.4  | 814.9  | 827.8  | 849.5  |
| 27.5° | 654.1  | 658.1  | 664.0  | 671.9  | 677.8  | 688.7  | 705.4  | 732.1  | 764.6  | 777.5  | 807.1  |
| 30°   | 623.5  | 626.5  | 632.4  | 636.4  | 639.3  | 652.2  | 665.0  | 685.7  | 710.4  | 728.1  | 749.8  |
| 32.5° | 594.9  | 597.9  | 603.8  | 604.8  | 608.7  | 615.7  | 627.5  | 646.2  | 667.9  | 682.7  | 701.5  |
| 35°   | 563.4  | 565.3  | 571.3  | 573.2  | 576.2  | 582.1  | 591.0  | 604.8  | 624.5  | 635.4  | 652.2  |
| 37.5° | 538.7  | 537.7  | 541.7  | 544.6  | 548.6  | 551.5  | 554.5  | 568.3  | 583.1  | 593.0  | 605.8  |
| 40°   | 512.1  | 510.1  | 511.1  | 515.0  | 517.0  | 520.9  | 520.9  | 534.7  | 544.6  | 552.5  | 562.4  |
| 42.5° | 485.4  | 484.4  | 482.5  | 484.4  | 486.4  | 487.4  | 488.4  | 498.2  | 508.1  | 515.0  | 525.9  |
| 45°   | 458.8  | 457.8  | 455.8  | 456.8  | 456.8  | 458.8  | 461.7  | 465.7  | 472.6  | 478.5  | 484.4  |
| 47.5° | 434.1  | 432.1  | 429.2  | 428.2  | 430.2  | 430.2  | 430.2  | 434.1  | 441.0  | 443.0  | 448.9  |
| 50°   | 408.5  | 405.5  | 401.6  | 399.6  | 399.6  | 398.6  | 400.6  | 401.6  | 407.5  | 409.4  | 414.4  |
| 52.5° | 380.8  | 378.9  | 374.9  | 371.0  | 372.0  | 370.0  | 371.0  | 372.0  | 373.9  | 376.9  | 379.8  |
| 55°   | 353.2  | 349.3  | 346.3  | 345.3  | 342.4  | 342.4  | 339.4  | 343.3  | 342.4  | 343.3  | 347.3  |
| 57.5° | 326.6  | 322.6  | 317.7  | 315.7  | 312.8  | 311.8  | 309.8  | 308.8  | 309.8  | 312.8  | 315.7  |
| 60°   | 295.0  | 293.0  | 290.1  | 287.1  | 285.1  | 282.2  | 280.2  | 280.2  | 279.2  | 279.2  | 280.2  |
| 62.5° | 264.4  | 263.4  | 259.5  | 258.5  | 256.5  | 254.5  | 251.6  | 249.6  | 249.6  | 251.6  | 252.6  |
| 65°   | 234.8  | 233.8  | 230.9  | 229.9  | 224.9  | 223.0  | 222.0  | 221.0  | 219.0  | 219.0  | 219.0  |
| 67.5° | 207.2  | 204.2  | 204.2  | 199.3  | 195.4  | 193.4  | 191.4  | 190.4  | 190.4  | 190.4  | 191.4  |
| 70°   | 176.6  | 176.6  | 173.6  | 170.7  | 166.7  | 167.7  | 164.8  | 161.8  | 161.8  | 159.8  | 160.8  |
| 72.5° | 147.0  | 146.0  | 143.1  | 142.1  | 139.1  | 136.2  | 134.2  | 136.2  | 133.2  | 132.2  | 133.2  |
| 75°   | 118.4  | 117.4  | 115.4  | 113.5  | 114.4  | 111.5  | 108.5  | 107.5  | 107.5  | 105.6  | 105.6  |
| 77.5° | 90.8   | 92.7   | 88.8   | 87.8   | 85.8   | 83.9   | 82.9   | 81.9   | 81.9   | 81.9   | 83.9   |
| 80°   | 63.1   | 64.1   | 64.1   | 62.2   | 63.1   | 60.2   | 60.2   | 60.2   | 57.2   | 58.2   | 59.2   |
| 82.5° | 40.5   | 40.5   | 39.5   | 40.5   | 39.5   | 39.5   | 38.5   | 38.5   | 37.5   | 37.5   | 38.5   |
| 85°   | 22.7   | 21.7   | 20.7   | 22.7   | 21.7   | 21.7   | 20.7   | 20.7   | 20.7   | 20.7   | 20.7   |
| 87.5° | 4.9    | 5.9    | 5.9    | 5.9    | 5.9    | 6.9    | 6.9    | 6.9    | 7.9    | 7.9    | 7.9    |
| 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: P987515  
 CATALOG NUMBER: S122DR-B675DB2750-4F0-XX-W2A-A\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1283.6 | 1283.6 | 1283.6 | 1283.6 |
| 2.5°  | 1259.9 | 1259.9 | 1274.7 | 1290.5 |
| 5°    | 1232.3 | 1239.2 | 1262.9 | 1284.6 |
| 7.5°  | 1205.7 | 1217.5 | 1247.1 | 1274.7 |
| 10°   | 1173.1 | 1188.9 | 1225.4 | 1257.9 |
| 12.5° | 1141.5 | 1156.3 | 1198.7 | 1235.2 |
| 15°   | 1097.1 | 1115.9 | 1161.3 | 1206.6 |
| 17.5° | 1052.7 | 1071.5 | 1126.7 | 1180.0 |
| 20°   | 1000.4 | 1025.1 | 1087.3 | 1158.3 |
| 22.5° | 952.1  | 982.7  | 1051.7 | 1109.0 |
| 25°   | 898.8  | 946.2  | 1010.3 | 1084.3 |
| 27.5° | 851.5  | 898.8  | 963.9  | 1038.9 |
| 30°   | 798.2  | 846.5  | 913.6  | 982.7  |
| 32.5° | 746.9  | 791.3  | 856.4  | 941.2  |
| 35°   | 693.6  | 736.0  | 799.2  | 885.0  |
| 37.5° | 645.3  | 686.7  | 755.8  | 834.7  |
| 40°   | 597.9  | 641.3  | 700.5  | 779.4  |
| 42.5° | 553.5  | 592.0  | 645.3  | 724.2  |
| 45°   | 513.0  | 540.7  | 590.0  | 664.0  |
| 47.5° | 470.6  | 495.3  | 540.7  | 614.7  |
| 50°   | 431.2  | 451.9  | 491.3  | 560.4  |
| 52.5° | 392.7  | 410.4  | 446.9  | 502.2  |
| 55°   | 358.1  | 374.9  | 401.6  | 455.8  |
| 57.5° | 322.6  | 335.5  | 361.1  | 404.5  |
| 60°   | 288.1  | 299.9  | 320.7  | 356.2  |
| 62.5° | 253.6  | 263.4  | 283.2  | 311.8  |
| 65°   | 223.0  | 230.9  | 245.7  | 270.3  |
| 67.5° | 193.4  | 198.3  | 210.2  | 229.9  |
| 70°   | 164.8  | 168.7  | 178.6  | 194.4  |
| 72.5° | 134.2  | 138.1  | 149.0  | 159.8  |
| 75°   | 108.5  | 109.5  | 117.4  | 126.3  |
| 77.5° | 84.8   | 83.9   | 89.8   | 96.7   |
| 80°   | 58.2   | 61.2   | 66.1   | 69.1   |
| 82.5° | 39.5   | 40.5   | 42.4   | 44.4   |
| 85°   | 21.7   | 22.7   | 22.7   | 25.7   |
| 87.5° | 8.9    | 9.9    | 9.9    | 10.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)