

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: P1033894

Luminaire Tested: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1033894  
REPORT IS A COMBINATION OF REPORTS P999983 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-B1020D470UB40-4F0-XX-W2A-A  
Description: Define 4 Regressed Direct/Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865}  
{m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

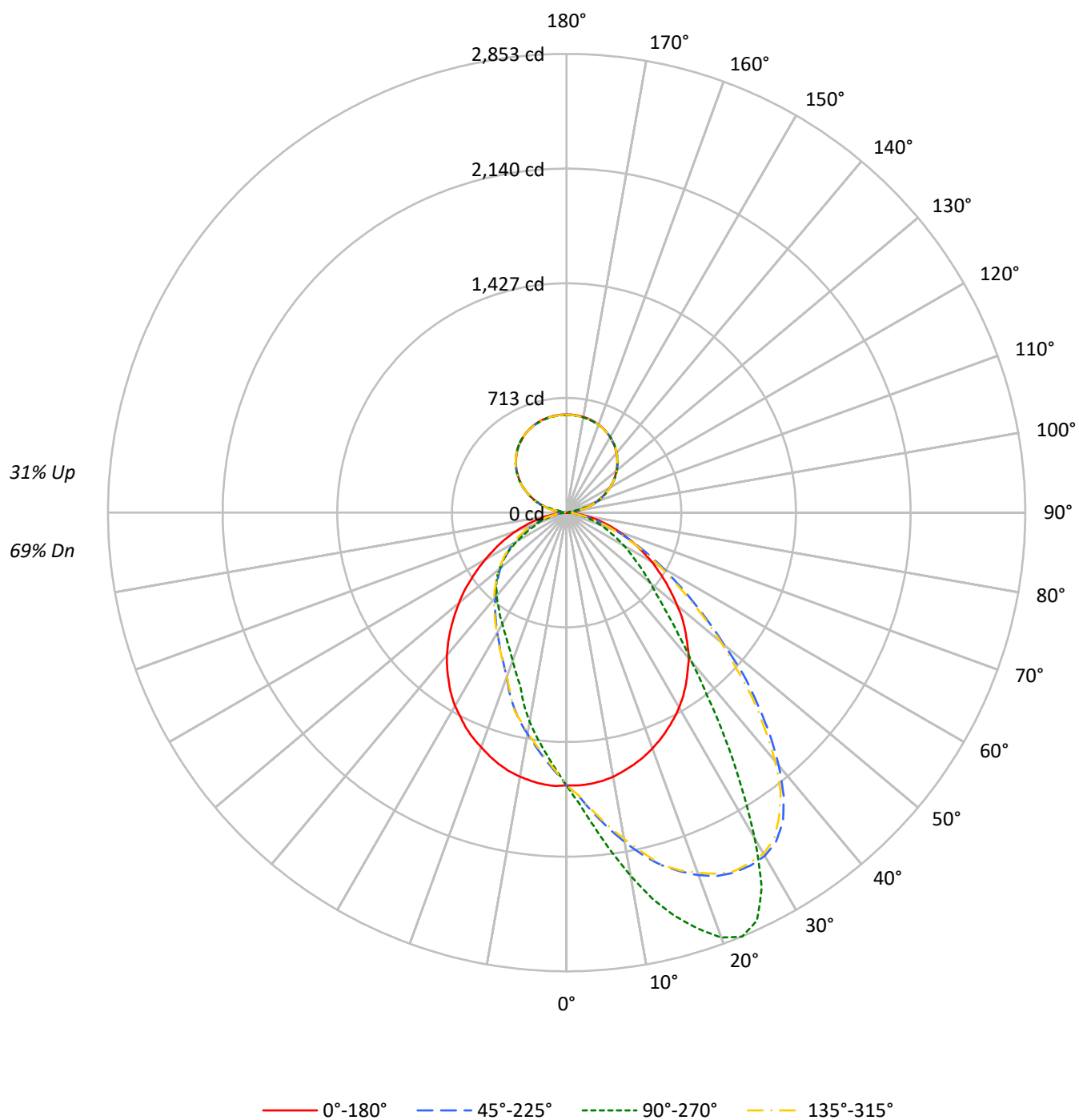
Lumens per Lamp: N/A  
Luminaire Lumens: 6173.0 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 60  
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

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### Luminous Intensity Polar Plot



TEST NUMBER: P1033894

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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 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 94 | 94 | 94 | 84 | 84 | 84 | 74 | 74 | 74 |
| 1   | 103 | 99  | 95  | 91  | 97  | 93  | 90  | 87  | 84 | 81 | 79 | 75 | 73 | 71 | 66 | 65 | 64 |
| 2   | 94  | 87  | 81  | 76  | 89  | 82  | 77  | 73  | 74 | 70 | 66 | 66 | 63 | 60 | 59 | 57 | 55 |
| 3   | 86  | 77  | 70  | 64  | 81  | 73  | 67  | 61  | 66 | 61 | 57 | 59 | 55 | 52 | 53 | 50 | 47 |
| 4   | 79  | 69  | 61  | 55  | 75  | 65  | 58  | 53  | 59 | 53 | 49 | 53 | 49 | 45 | 48 | 44 | 41 |
| 5   | 73  | 61  | 53  | 47  | 69  | 59  | 51  | 46  | 53 | 47 | 43 | 48 | 43 | 39 | 43 | 39 | 36 |
| 6   | 68  | 55  | 47  | 42  | 64  | 53  | 46  | 40  | 48 | 42 | 37 | 44 | 39 | 35 | 40 | 35 | 32 |
| 7   | 63  | 50  | 42  | 37  | 59  | 48  | 41  | 36  | 44 | 38 | 33 | 40 | 35 | 31 | 36 | 32 | 29 |
| 8   | 58  | 46  | 38  | 33  | 55  | 44  | 37  | 32  | 40 | 34 | 30 | 37 | 32 | 28 | 33 | 29 | 26 |
| 9   | 54  | 42  | 35  | 29  | 52  | 40  | 33  | 29  | 37 | 31 | 27 | 34 | 29 | 25 | 31 | 27 | 24 |
| 10  | 51  | 39  | 31  | 27  | 48  | 37  | 30  | 26  | 34 | 28 | 24 | 31 | 26 | 23 | 29 | 25 | 21 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 13829 | 13829 | 13829 | 13829 |
| 5°  | 13830 | 15626 | 13852 | 11943 |
| 10° | 13756 | 18013 | 13744 | 10387 |
| 15° | 13591 | 20273 | 13591 | 8696  |
| 20° | 13420 | 21981 | 13350 | 7658  |
| 25° | 13211 | 22075 | 13150 | 6916  |
| 30° | 12988 | 18771 | 12887 | 6406  |
| 35° | 12675 | 14163 | 12514 | 6026  |
| 40° | 12325 | 10264 | 12082 | 5730  |
| 45° | 11746 | 7801  | 11455 | 5467  |
| 50° | 11060 | 6304  | 10757 | 5082  |
| 55° | 10317 | 5220  | 9979  | 4569  |
| 60° | 9570  | 4414  | 9143  | 3800  |
| 65° | 8635  | 3596  | 8358  | 3021  |
| 70° | 7775  | 2916  | 7409  | 2454  |
| 75° | 6813  | 2101  | 6340  | 1798  |
| 80° | 5622  | 1392  | 5116  | 1321  |
| 85° | 4075  | 717   | 3384  | 717   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 17312 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 164.2  | 2.7       |
| 10°-20°   | 495.9  | 8.0       |
| 20°-30°   | 776.8  | 12.6      |
| 30°-40°   | 862.6  | 14.0      |
| 40°-50°   | 764.4  | 12.4      |
| 50°-60°   | 595.7  | 9.6       |
| 60°-70°   | 389.7  | 6.3       |
| 70°-80°   | 191.2  | 3.1       |
| 80°-90°   | 47.8   | 0.8       |
| 90°-100°  | 20.2   | 0.3       |
| 100°-110° | 133.1  | 2.2       |
| 110°-120° | 254.3  | 4.1       |
| 120°-130° | 322.8  | 5.2       |
| 130°-140° | 345.3  | 5.6       |
| 140°-150° | 322.9  | 5.2       |
| 150°-160° | 260.4  | 4.2       |
| 160°-170° | 167.9  | 2.7       |
| 170°-180° | 57.9   | 0.9       |
| 0°-30°    | 1436.9 | 23.3      |
| 0°-40°    | 2299.5 | 37.3      |
| 0°-60°    | 3659.6 | 59.3      |
| 0°-90°    | 4288.3 | 69.5      |
| 90°-120°  | 407.6  | 6.6       |
| 90°-150°  | 1398.6 | 22.7      |
| 90°-180°  | 1885.0 | 30.5      |
| 0°-180°   | 6173.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1696 | 1696 | 1696 | 1696 | 1696 |      |
| 5°   | 1693 | 1960 | 1696 | 1498 | 1693 | 161  |
| 15°  | 1621 | 2596 | 1621 | 1114 | 1621 | 457  |
| 25°  | 1485 | 2800 | 1479 | 877  | 1485 | 685  |
| 35°  | 1296 | 1725 | 1279 | 734  | 1296 | 810  |
| 45°  | 1044 | 881  | 1018 | 618  | 1044 | 805  |
| 55°  | 752  | 526  | 727  | 460  | 752  | 672  |
| 65°  | 472  | 308  | 456  | 258  | 472  | 470  |
| 75°  | 236  | 142  | 220  | 122  | 236  | 251  |
| 85°  | 56   | 34   | 46   | 34   | 56   | 63   |
| 90°  | 1    | 14   | 1    | 14   | 1    | 5    |
| 95°  | 25   | 13   | 25   | 13   | 25   | 31   |
| 105° | 137  | 130  | 137  | 130  | 137  | 143  |
| 115° | 256  | 258  | 256  | 258  | 256  | 252  |
| 125° | 360  | 363  | 360  | 363  | 360  | 321  |
| 135° | 446  | 450  | 446  | 450  | 446  | 344  |
| 145° | 515  | 518  | 515  | 518  | 515  | 322  |
| 155° | 564  | 564  | 564  | 564  | 564  | 260  |
| 165° | 595  | 593  | 595  | 593  | 595  | 168  |
| 175° | 609  | 605  | 609  | 605  | 609  | 58   |
| 180° | 609  | 609  | 609  | 609  | 609  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 |
| 2.5°   | 1698.6 | 1713.7 | 1721.9 | 1728.7 | 1742.3 | 1747.8 | 1758.7 | 1761.5 | 1772.4 | 1771.0 | 1766.9 |
| 5°     | 1693.2 | 1719.1 | 1738.2 | 1758.7 | 1783.3 | 1797.0 | 1812.0 | 1833.9 | 1844.8 | 1859.9 | 1869.4 |
| 7.5°   | 1683.6 | 1719.1 | 1750.5 | 1782.0 | 1821.6 | 1843.5 | 1862.6 | 1896.8 | 1925.5 | 1950.1 | 1977.4 |
| 10°    | 1668.6 | 1713.7 | 1760.1 | 1802.5 | 1857.1 | 1883.1 | 1911.8 | 1962.4 | 2002.0 | 2036.2 | 2079.9 |
| 12.5°  | 1645.3 | 1708.2 | 1760.1 | 1817.5 | 1887.2 | 1922.7 | 1961.0 | 2021.1 | 2067.6 | 2123.6 | 2178.3 |
| 15°    | 1620.7 | 1690.4 | 1758.7 | 1833.9 | 1913.2 | 1954.2 | 1992.4 | 2073.1 | 2144.1 | 2208.3 | 2268.5 |
| 17.5°  | 1593.4 | 1669.9 | 1745.1 | 1828.4 | 1924.1 | 1974.7 | 2019.8 | 2116.8 | 2194.7 | 2278.0 | 2338.2 |
| 20°    | 1560.6 | 1644.0 | 1730.0 | 1823.0 | 1930.9 | 1987.0 | 2037.5 | 2148.2 | 2234.3 | 2324.5 | 2399.7 |
| 22.5°  | 1525.1 | 1615.3 | 1709.6 | 1810.7 | 1922.7 | 1984.2 | 2043.0 | 2161.9 | 2261.6 | 2345.0 | 2446.1 |
| 25°    | 1485.4 | 1581.1 | 1678.1 | 1784.7 | 1910.4 | 1977.4 | 2037.5 | 2155.0 | 2261.6 | 2371.0 | 2469.4 |
| 27.5°  | 1444.4 | 1542.8 | 1644.0 | 1756.0 | 1884.5 | 1950.1 | 2018.4 | 2131.8 | 2256.2 | 2375.1 | 2474.8 |
| 30°    | 1399.3 | 1495.0 | 1601.6 | 1708.2 | 1844.8 | 1910.4 | 1980.1 | 2103.1 | 2238.4 | 2357.3 | 2465.3 |
| 32.5°  | 1350.1 | 1448.5 | 1549.7 | 1660.4 | 1794.3 | 1865.3 | 1929.6 | 2069.0 | 2207.0 | 2324.5 | 2425.6 |
| 35°    | 1295.5 | 1388.4 | 1484.1 | 1597.5 | 1730.0 | 1794.3 | 1870.8 | 2015.7 | 2155.0 | 2279.4 | 2345.0 |
| 37.5°  | 1236.7 | 1325.6 | 1414.4 | 1526.4 | 1653.5 | 1731.4 | 1806.6 | 1952.8 | 2100.4 | 2183.7 | 2217.9 |
| 40°    | 1182.1 | 1260.0 | 1337.9 | 1445.8 | 1574.3 | 1654.9 | 1731.4 | 1883.1 | 2012.9 | 2077.2 | 2051.2 |
| 42.5°  | 1112.4 | 1193.0 | 1262.7 | 1362.4 | 1492.3 | 1567.4 | 1645.3 | 1802.5 | 1907.7 | 1933.7 | 1869.4 |
| 45°    | 1044.0 | 1111.0 | 1178.0 | 1275.0 | 1411.6 | 1475.9 | 1559.2 | 1705.5 | 1792.9 | 1769.7 | 1675.4 |
| 47.5°  | 977.1  | 1031.7 | 1094.6 | 1188.9 | 1311.9 | 1388.4 | 1466.3 | 1593.4 | 1654.9 | 1622.1 | 1490.9 |
| 50°    | 897.8  | 952.5  | 1018.1 | 1100.1 | 1219.0 | 1292.8 | 1354.2 | 1471.8 | 1518.2 | 1437.6 | 1279.1 |
| 52.5°  | 822.7  | 870.5  | 926.5  | 1003.0 | 1116.5 | 1183.4 | 1250.4 | 1351.5 | 1366.5 | 1273.6 | 1106.9 |
| 55°    | 751.6  | 789.9  | 848.6  | 910.1  | 1014.0 | 1085.0 | 1131.5 | 1217.6 | 1213.5 | 1097.3 | 953.9  |
| 57.5°  | 677.8  | 713.3  | 753.0  | 817.2  | 915.6  | 968.9  | 1019.4 | 1094.6 | 1055.0 | 956.6  | 814.5  |
| 60°    | 612.2  | 632.7  | 672.3  | 733.8  | 817.2  | 863.7  | 903.3  | 944.3  | 910.1  | 803.5  | 694.2  |
| 62.5°  | 539.8  | 563.0  | 591.7  | 640.9  | 714.7  | 758.4  | 787.1  | 804.9  | 769.4  | 687.4  | 587.6  |
| 65°    | 471.5  | 492.0  | 522.0  | 565.8  | 621.8  | 654.6  | 669.6  | 681.9  | 662.8  | 569.9  | 490.6  |
| 67.5°  | 410.0  | 423.6  | 451.0  | 479.7  | 539.8  | 548.0  | 568.5  | 574.0  | 535.7  | 464.6  | 401.8  |
| 70°    | 348.5  | 362.1  | 374.4  | 408.6  | 435.9  | 451.0  | 455.1  | 455.1  | 416.8  | 370.3  | 318.4  |
| 72.5°  | 291.1  | 299.3  | 311.6  | 334.8  | 349.8  | 360.8  | 366.2  | 359.4  | 323.9  | 285.6  | 247.3  |
| 75°    | 236.4  | 240.5  | 251.4  | 266.5  | 278.8  | 274.7  | 273.3  | 265.1  | 239.1  | 211.8  | 190.0  |
| 77.5°  | 181.8  | 184.5  | 196.8  | 200.9  | 200.9  | 205.0  | 199.5  | 191.3  | 169.5  | 149.0  | 139.4  |
| 80°    | 136.7  | 140.8  | 142.1  | 144.9  | 142.1  | 142.1  | 138.0  | 124.4  | 113.4  | 103.9  | 97.0   |
| 82.5°  | 94.3   | 97.0   | 98.4   | 94.3   | 97.0   | 92.9   | 86.1   | 76.5   | 69.7   | 68.3   | 65.6   |
| 85°    | 56.0   | 57.4   | 56.0   | 56.0   | 51.9   | 50.6   | 45.1   | 43.7   | 41.0   | 41.0   | 39.6   |
| 87.5°  | 27.3   | 26.0   | 23.2   | 20.5   | 20.5   | 19.1   | 20.5   | 17.8   | 20.5   | 19.1   | 17.8   |
| 90°    | 1.4    | 2.5    | 3.6    | 4.7    | 5.8    | 6.4    | 6.8    | 7.6    | 8.4    | 9.2    | 10.0   |
| 92.5°  | 6.8    | 6.6    | 6.4    | 6.2    | 6.0    | 5.9    | 6.3    | 7.1    | 8.0    | 8.8    | 9.6    |
| 95°    | 25.1   | 21.7   | 18.2   | 14.8   | 11.3   | 9.6    | 9.6    | 9.7    | 9.8    | 9.9    | 10.0   |
| 97.5°  | 47.8   | 50.0   | 52.3   | 54.5   | 56.8   | 57.9   | 52.6   | 41.9   | 31.3   | 20.6   | 10.0   |
| 100°   | 74.7   | 76.5   | 78.3   | 80.2   | 82.0   | 82.9   | 75.9   | 61.9   | 48.0   | 34.0   | 20.0   |
| 102.5° | 104.8  | 106.0  | 107.2  | 108.4  | 109.6  | 110.2  | 110.8  | 112.0  | 113.3  | 114.5  | 115.7  |
| 105°   | 137.1  | 137.7  | 138.3  | 139.0  | 139.6  | 139.9  | 140.1  | 140.6  | 141.1  | 141.6  | 142.1  |
| 107.5° | 166.7  | 167.0  | 167.3  | 167.6  | 167.9  | 168.1  | 168.5  | 169.2  | 169.9  | 170.6  | 171.3  |
| 110°   | 196.8  | 197.1  | 197.4  | 197.7  | 198.0  | 198.2  | 198.5  | 199.1  | 199.7  | 200.3  | 200.9  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 226.0 | 226.6 | 227.2 | 227.8 | 228.4 | 228.7 | 228.8 | 229.0 | 229.2 | 229.4 | 229.6 |
| 115°   | 256.0 | 256.3 | 256.6 | 256.9 | 257.2 | 257.4 | 257.3 | 257.2 | 257.1 | 257.0 | 256.9 |
| 117.5° | 282.9 | 283.3 | 283.7 | 284.1 | 284.5 | 284.7 | 284.9 | 285.2 | 285.5 | 285.8 | 286.1 |
| 120°   | 310.2 | 310.6 | 311.0 | 311.5 | 311.9 | 312.1 | 312.0 | 311.9 | 311.8 | 311.7 | 311.6 |
| 122.5° | 335.8 | 336.0 | 336.2 | 336.4 | 336.6 | 336.7 | 336.8 | 337.0 | 337.2 | 337.4 | 337.6 |
| 125°   | 359.9 | 360.3 | 360.7 | 361.1 | 361.5 | 361.7 | 361.6 | 361.4 | 361.2 | 361.0 | 360.8 |
| 127.5° | 383.1 | 383.2 | 383.3 | 383.4 | 383.5 | 383.6 | 383.9 | 384.4 | 384.9 | 385.4 | 385.9 |
| 130°   | 405.5 | 405.6 | 405.7 | 405.8 | 405.9 | 405.9 | 406.1 | 406.4 | 406.7 | 407.0 | 407.3 |
| 132.5° | 426.0 | 426.2 | 426.4 | 426.6 | 426.8 | 426.9 | 427.1 | 427.5 | 427.9 | 428.3 | 428.7 |
| 135°   | 446.5 | 446.4 | 446.3 | 446.2 | 446.1 | 446.0 | 446.2 | 446.6 | 447.0 | 447.4 | 447.8 |
| 137.5° | 464.7 | 464.7 | 464.7 | 464.7 | 464.7 | 464.7 | 465.0 | 465.5 | 466.0 | 466.5 | 467.0 |
| 140°   | 482.4 | 482.6 | 482.8 | 483.1 | 483.3 | 483.4 | 483.5 | 483.7 | 483.9 | 484.1 | 484.3 |
| 142.5° | 498.4 | 498.8 | 499.2 | 499.6 | 500.0 | 500.2 | 500.3 | 500.4 | 500.5 | 500.6 | 500.7 |
| 145°   | 514.8 | 515.1 | 515.4 | 515.7 | 516.0 | 516.2 | 516.2 | 516.2 | 516.2 | 516.2 | 516.2 |
| 147.5° | 527.5 | 528.1 | 528.7 | 529.4 | 530.0 | 530.3 | 530.2 | 530.1 | 530.0 | 529.9 | 529.8 |
| 150°   | 541.7 | 542.1 | 542.5 | 542.9 | 543.3 | 543.5 | 543.4 | 543.3 | 543.2 | 543.1 | 543.0 |
| 152.5° | 553.5 | 553.8 | 554.1 | 554.4 | 554.7 | 554.9 | 554.8 | 554.6 | 554.4 | 554.2 | 554.0 |
| 155°   | 564.4 | 564.5 | 564.6 | 564.7 | 564.8 | 564.9 | 564.7 | 564.4 | 564.1 | 563.8 | 563.5 |
| 157.5° | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 573.8 | 573.4 | 573.0 | 572.6 | 572.2 |
| 160°   | 582.2 | 581.9 | 581.6 | 581.3 | 581.0 | 580.8 | 580.8 | 580.7 | 580.6 | 580.5 | 580.4 |
| 162.5° | 589.5 | 589.1 | 588.7 | 588.3 | 587.9 | 587.7 | 587.6 | 587.5 | 587.4 | 587.3 | 587.2 |
| 165°   | 595.4 | 594.9 | 594.4 | 593.9 | 593.4 | 593.1 | 593.1 | 593.1 | 593.1 | 593.1 | 593.1 |
| 167.5° | 600.4 | 599.9 | 599.4 | 598.9 | 598.4 | 598.2 | 598.1 | 598.0 | 597.9 | 597.8 | 597.7 |
| 170°   | 604.5 | 603.9 | 603.3 | 602.7 | 602.1 | 601.8 | 601.9 | 602.0 | 602.1 | 602.2 | 602.3 |
| 172.5° | 607.3 | 606.7 | 606.1 | 605.4 | 604.8 | 604.5 | 604.6 | 604.7 | 604.8 | 604.9 | 605.0 |
| 175°   | 609.1 | 608.5 | 607.9 | 607.3 | 606.7 | 606.4 | 606.4 | 606.5 | 606.6 | 606.7 | 606.8 |
| 177.5° | 610.5 | 609.8 | 609.1 | 608.4 | 607.7 | 607.3 | 607.4 | 607.6 | 607.8 | 608.0 | 608.2 |
| 180°   | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 |
| 2.5°   | 1777.9 | 1792.9 | 1794.3 | 1807.9 | 1803.8 | 1797.0 | 1809.3 | 1801.1 | 1817.5 | 1812.0 | 1818.9 |
| 5°     | 1881.7 | 1902.2 | 1920.0 | 1930.9 | 1950.1 | 1946.0 | 1966.5 | 1959.6 | 1974.7 | 1959.6 | 1978.8 |
| 7.5°   | 2003.4 | 2037.5 | 2055.3 | 2084.0 | 2092.2 | 2093.6 | 2118.1 | 2123.6 | 2133.2 | 2123.6 | 2134.5 |
| 10°    | 2122.2 | 2163.2 | 2204.2 | 2227.5 | 2242.5 | 2263.0 | 2284.9 | 2294.4 | 2301.3 | 2291.7 | 2298.5 |
| 12.5°  | 2230.2 | 2294.4 | 2339.5 | 2386.0 | 2396.9 | 2414.7 | 2437.9 | 2435.2 | 2462.5 | 2457.1 | 2469.4 |
| 15°    | 2330.0 | 2401.0 | 2455.7 | 2492.6 | 2522.6 | 2537.7 | 2581.4 | 2584.1 | 2582.8 | 2596.4 | 2588.2 |
| 17.5°  | 2418.8 | 2478.9 | 2556.8 | 2604.6 | 2641.5 | 2641.5 | 2666.1 | 2716.7 | 2712.6 | 2711.2 | 2719.4 |
| 20°    | 2491.2 | 2559.5 | 2632.0 | 2712.6 | 2742.7 | 2748.1 | 2782.3 | 2808.3 | 2812.4 | 2812.4 | 2812.4 |
| 22.5°  | 2545.9 | 2626.5 | 2704.4 | 2761.8 | 2785.0 | 2804.2 | 2834.2 | 2850.6 | 2856.1 | 2853.4 | 2856.1 |
| 25°    | 2573.2 | 2649.7 | 2729.0 | 2780.9 | 2794.6 | 2805.5 | 2808.3 | 2817.8 | 2816.5 | 2800.1 | 2809.6 |
| 27.5°  | 2578.7 | 2652.5 | 2704.4 | 2718.1 | 2711.2 | 2704.4 | 2660.7 | 2664.8 | 2652.5 | 2627.9 | 2637.4 |
| 30°    | 2554.1 | 2593.7 | 2592.3 | 2550.0 | 2537.7 | 2509.0 | 2469.4 | 2410.6 | 2362.8 | 2342.3 | 2349.1 |
| 32.5°  | 2465.3 | 2465.3 | 2416.1 | 2320.4 | 2278.0 | 2226.1 | 2155.0 | 2101.8 | 2038.9 | 2025.2 | 2051.2 |
| 35°    | 2342.3 | 2272.6 | 2182.4 | 2056.7 | 1992.4 | 1954.2 | 1831.2 | 1792.9 | 1739.6 | 1724.6 | 1736.9 |
| 37.5°  | 2150.9 | 2034.8 | 1903.6 | 1786.1 | 1731.4 | 1663.1 | 1555.1 | 1500.5 | 1462.2 | 1436.2 | 1448.5 |
| 40°    | 1936.4 | 1795.6 | 1659.0 | 1514.1 | 1454.0 | 1398.0 | 1317.4 | 1268.2 | 1206.7 | 1209.4 | 1213.5 |
| 42.5°  | 1731.4 | 1566.1 | 1413.0 | 1279.1 | 1221.7 | 1175.2 | 1119.2 | 1059.1 | 1037.2 | 1030.4 | 1023.5 |
| 45°    | 1514.1 | 1337.9 | 1194.4 | 1094.6 | 1042.7 | 998.9  | 947.0  | 912.9  | 886.9  | 881.4  | 888.3  |
| 47.5°  | 1309.2 | 1160.2 | 1023.5 | 930.6  | 888.3  | 866.4  | 825.4  | 794.0  | 777.6  | 763.9  | 772.1  |
| 50°    | 1123.3 | 983.9  | 874.6  | 796.7  | 766.6  | 751.6  | 713.3  | 696.9  | 680.5  | 676.4  | 675.1  |
| 52.5°  | 970.2  | 851.4  | 757.1  | 694.2  | 671.0  | 662.8  | 634.1  | 610.8  | 597.2  | 601.3  | 604.0  |
| 55°    | 830.9  | 729.7  | 655.9  | 605.4  | 586.2  | 576.7  | 556.2  | 539.8  | 530.2  | 526.1  | 528.9  |
| 57.5°  | 707.9  | 620.4  | 567.1  | 526.1  | 511.1  | 507.0  | 485.1  | 479.7  | 472.8  | 468.7  | 468.7  |
| 60°    | 595.8  | 534.3  | 485.1  | 461.9  | 445.5  | 441.4  | 425.0  | 418.2  | 416.8  | 412.7  | 410.0  |
| 62.5°  | 501.5  | 451.0  | 416.8  | 392.2  | 385.4  | 384.0  | 373.1  | 364.9  | 360.8  | 358.0  | 358.0  |
| 65°    | 419.5  | 382.6  | 353.9  | 336.2  | 330.7  | 328.0  | 315.7  | 312.9  | 310.2  | 307.5  | 306.1  |
| 67.5°  | 349.8  | 317.0  | 296.5  | 284.2  | 277.4  | 278.8  | 271.9  | 266.5  | 266.5  | 265.1  | 263.7  |
| 70°    | 282.9  | 262.4  | 244.6  | 237.8  | 235.0  | 232.3  | 229.6  | 225.5  | 224.1  | 224.1  | 224.1  |
| 72.5°  | 222.7  | 209.1  | 199.5  | 195.4  | 192.7  | 190.0  | 187.2  | 187.2  | 187.2  | 185.9  | 185.9  |
| 75°    | 170.8  | 165.4  | 158.5  | 154.4  | 154.4  | 157.2  | 153.1  | 149.0  | 144.9  | 142.1  | 143.5  |
| 77.5°  | 128.5  | 125.7  | 121.6  | 114.8  | 116.2  | 113.4  | 113.4  | 110.7  | 112.1  | 112.1  | 109.3  |
| 80°    | 94.3   | 90.2   | 88.8   | 84.7   | 86.1   | 84.7   | 83.4   | 83.4   | 80.6   | 80.6   | 80.6   |
| 82.5°  | 65.6   | 61.5   | 61.5   | 60.1   | 58.8   | 58.8   | 57.4   | 57.4   | 58.8   | 56.0   | 56.0   |
| 85°    | 39.6   | 38.3   | 38.3   | 35.5   | 35.5   | 35.5   | 35.5   | 36.9   | 35.5   | 34.2   | 34.2   |
| 87.5°  | 17.8   | 19.1   | 17.8   | 16.4   | 16.4   | 16.4   | 15.0   | 15.0   | 13.7   | 15.0   | 15.0   |
| 90°    | 10.6   | 11.2   | 11.9   | 12.5   | 12.8   | 12.9   | 13.1   | 13.3   | 13.5   | 13.7   | 13.5   |
| 92.5°  | 10.2   | 10.8   | 11.4   | 12.0   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   |
| 95°    | 10.6   | 11.2   | 11.9   | 12.5   | 12.8   | 12.8   | 12.9   | 13.0   | 13.1   | 13.2   | 13.1   |
| 97.5°  | 10.5   | 11.0   | 11.5   | 12.0   | 12.3   | 12.4   | 12.5   | 12.6   | 12.7   | 12.8   | 12.7   |
| 100°   | 18.3   | 16.6   | 14.9   | 13.2   | 12.3   | 12.4   | 12.5   | 12.6   | 12.7   | 12.8   | 12.7   |
| 102.5° | 92.9   | 70.1   | 47.4   | 24.6   | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   |
| 105°   | 143.0  | 143.9  | 144.8  | 145.7  | 146.2  | 144.4  | 140.7  | 137.1  | 133.4  | 129.8  | 133.4  |
| 107.5° | 171.8  | 172.3  | 172.8  | 173.3  | 173.6  | 173.8  | 174.2  | 174.6  | 175.0  | 175.4  | 175.0  |
| 110°   | 201.1  | 201.3  | 201.5  | 201.7  | 201.8  | 202.0  | 202.3  | 202.6  | 202.9  | 203.2  | 202.9  |



TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 229.5 | 229.4 | 229.3 | 229.2 | 229.1 | 229.3 | 229.7 | 230.2 | 230.6 | 231.0 | 230.6 |
| 115°   | 257.1 | 257.3 | 257.6 | 257.8 | 257.9 | 257.9 | 257.9 | 257.9 | 257.9 | 257.9 | 257.9 |
| 117.5° | 286.0 | 285.9 | 285.8 | 285.7 | 285.6 | 285.6 | 285.6 | 285.6 | 285.6 | 285.6 | 285.6 |
| 120°   | 311.8 | 312.0 | 312.2 | 312.4 | 312.5 | 312.4 | 312.2 | 312.0 | 311.8 | 311.6 | 311.8 |
| 122.5° | 337.7 | 337.8 | 337.9 | 338.0 | 338.0 | 337.9 | 337.7 | 337.5 | 337.3 | 337.1 | 337.3 |
| 125°   | 361.1 | 361.4 | 361.7 | 362.0 | 362.2 | 362.2 | 362.3 | 362.4 | 362.5 | 362.6 | 362.5 |
| 127.5° | 385.8 | 385.7 | 385.6 | 385.5 | 385.4 | 385.4 | 385.3 | 385.2 | 385.1 | 385.0 | 385.1 |
| 130°   | 407.4 | 407.5 | 407.6 | 407.7 | 407.7 | 407.7 | 407.7 | 407.7 | 407.7 | 407.7 | 407.7 |
| 132.5° | 428.8 | 428.9 | 429.0 | 429.1 | 429.1 | 429.1 | 429.0 | 428.9 | 428.8 | 428.7 | 428.8 |
| 135°   | 448.0 | 448.2 | 448.4 | 448.6 | 448.7 | 448.8 | 449.0 | 449.2 | 449.4 | 449.6 | 449.4 |
| 137.5° | 467.2 | 467.4 | 467.6 | 467.8 | 467.9 | 467.8 | 467.7 | 467.6 | 467.5 | 467.4 | 467.5 |
| 140°   | 484.6 | 484.9 | 485.2 | 485.5 | 485.6 | 485.7 | 485.8 | 485.9 | 486.0 | 486.1 | 486.0 |
| 142.5° | 500.9 | 501.1 | 501.3 | 501.5 | 501.6 | 501.6 | 501.6 | 501.6 | 501.6 | 501.6 | 501.6 |
| 145°   | 516.3 | 516.4 | 516.5 | 516.6 | 516.6 | 516.7 | 516.9 | 517.1 | 517.3 | 517.5 | 517.3 |
| 147.5° | 529.9 | 530.0 | 530.1 | 530.2 | 530.3 | 530.3 | 530.4 | 530.5 | 530.6 | 530.7 | 530.6 |
| 150°   | 543.0 | 543.0 | 543.0 | 543.0 | 543.0 | 543.1 | 543.2 | 543.3 | 543.4 | 543.5 | 543.4 |
| 152.5° | 554.2 | 554.4 | 554.6 | 554.8 | 554.9 | 554.8 | 554.7 | 554.6 | 554.5 | 554.4 | 554.5 |
| 155°   | 563.9 | 564.3 | 564.8 | 565.2 | 565.4 | 565.2 | 564.9 | 564.6 | 564.3 | 564.0 | 564.3 |
| 157.5° | 572.7 | 573.2 | 573.7 | 574.2 | 574.5 | 574.2 | 573.7 | 573.2 | 572.7 | 572.2 | 572.7 |
| 160°   | 581.0 | 581.6 | 582.2 | 582.8 | 583.1 | 582.8 | 582.2 | 581.6 | 581.0 | 580.4 | 581.0 |
| 162.5° | 587.8 | 588.4 | 589.1 | 589.7 | 590.0 | 589.6 | 588.9 | 588.2 | 587.5 | 586.8 | 587.5 |
| 165°   | 593.9 | 594.7 | 595.6 | 596.4 | 596.8 | 596.3 | 595.4 | 594.5 | 593.6 | 592.7 | 593.6 |
| 167.5° | 598.6 | 599.5 | 600.4 | 601.3 | 601.8 | 601.3 | 600.3 | 599.2 | 598.2 | 597.2 | 598.2 |
| 170°   | 603.1 | 603.9 | 604.7 | 605.5 | 605.9 | 605.4 | 604.4 | 603.3 | 602.3 | 601.3 | 602.3 |
| 172.5° | 605.8 | 606.6 | 607.4 | 608.2 | 608.6 | 608.0 | 606.9 | 605.8 | 604.7 | 603.6 | 604.7 |
| 175°   | 607.7 | 608.6 | 609.5 | 610.4 | 610.9 | 610.3 | 609.1 | 607.8 | 606.6 | 605.4 | 606.6 |
| 177.5° | 609.0 | 609.8 | 610.6 | 611.4 | 611.8 | 611.2 | 610.0 | 608.8 | 607.6 | 606.4 | 607.6 |
| 180°   | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 |

TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 |
| 2.5°   | 1823.0 | 1813.4 | 1812.0 | 1812.0 | 1797.0 | 1805.2 | 1788.8 | 1771.0 | 1762.8 | 1762.8 | 1747.8 |
| 5°     | 1974.7 | 1965.1 | 1955.5 | 1940.5 | 1940.5 | 1932.3 | 1906.3 | 1880.4 | 1861.2 | 1844.8 | 1827.1 |
| 7.5°   | 2130.4 | 2120.9 | 2093.6 | 2078.5 | 2086.7 | 2070.3 | 2036.2 | 1992.4 | 1959.6 | 1933.7 | 1896.8 |
| 10°    | 2299.9 | 2273.9 | 2260.3 | 2252.1 | 2223.4 | 2205.6 | 2166.0 | 2101.8 | 2060.8 | 2026.6 | 1978.8 |
| 12.5°  | 2437.9 | 2446.1 | 2394.2 | 2398.3 | 2369.6 | 2345.0 | 2283.5 | 2222.0 | 2160.5 | 2112.7 | 2041.6 |
| 15°    | 2586.9 | 2562.3 | 2530.8 | 2506.2 | 2496.7 | 2466.6 | 2414.7 | 2332.7 | 2265.7 | 2190.6 | 2109.9 |
| 17.5°  | 2704.4 | 2685.3 | 2655.2 | 2632.0 | 2611.5 | 2539.0 | 2495.3 | 2422.9 | 2331.3 | 2257.5 | 2159.1 |
| 20°    | 2804.2 | 2786.4 | 2744.0 | 2729.0 | 2692.1 | 2640.2 | 2577.3 | 2465.3 | 2383.3 | 2302.6 | 2207.0 |
| 22.5°  | 2846.5 | 2828.8 | 2791.9 | 2772.7 | 2749.5 | 2698.9 | 2638.8 | 2532.2 | 2431.1 | 2330.0 | 2228.8 |
| 25°    | 2811.0 | 2811.0 | 2793.2 | 2786.4 | 2765.9 | 2720.8 | 2659.3 | 2569.1 | 2461.2 | 2351.8 | 2231.6 |
| 27.5°  | 2638.8 | 2673.0 | 2685.3 | 2692.1 | 2692.1 | 2693.5 | 2651.1 | 2563.6 | 2458.4 | 2351.8 | 2226.1 |
| 30°    | 2390.1 | 2447.5 | 2498.0 | 2513.1 | 2539.0 | 2567.7 | 2585.5 | 2543.1 | 2448.9 | 2336.8 | 2211.1 |
| 32.5°  | 2077.2 | 2150.9 | 2245.2 | 2268.5 | 2304.0 | 2390.1 | 2437.9 | 2455.7 | 2403.8 | 2305.4 | 2171.4 |
| 35°    | 1765.6 | 1858.5 | 1915.9 | 1987.0 | 2019.8 | 2146.8 | 2253.4 | 2317.7 | 2305.4 | 2246.6 | 2125.0 |
| 37.5°  | 1493.6 | 1546.9 | 1616.6 | 1691.8 | 1757.4 | 1879.0 | 2011.6 | 2135.9 | 2186.5 | 2157.8 | 2066.2 |
| 40°    | 1232.6 | 1295.5 | 1378.8 | 1440.3 | 1485.4 | 1607.1 | 1771.0 | 1906.3 | 2017.0 | 2034.8 | 1978.8 |
| 42.5°  | 1048.1 | 1111.0 | 1161.6 | 1228.5 | 1264.1 | 1381.6 | 1526.4 | 1695.9 | 1827.1 | 1896.8 | 1872.2 |
| 45°    | 906.0  | 944.3  | 985.3  | 1023.5 | 1067.3 | 1171.1 | 1305.1 | 1490.9 | 1638.5 | 1736.9 | 1746.4 |
| 47.5°  | 781.7  | 815.8  | 851.4  | 886.9  | 911.5  | 992.1  | 1115.1 | 1266.8 | 1428.0 | 1563.3 | 1616.6 |
| 50°    | 694.2  | 710.6  | 736.6  | 757.1  | 785.8  | 855.5  | 953.9  | 1085.0 | 1255.9 | 1402.1 | 1471.8 |
| 52.5°  | 608.1  | 628.6  | 649.1  | 666.9  | 686.0  | 735.2  | 825.4  | 938.8  | 1086.4 | 1236.7 | 1322.8 |
| 55°    | 535.7  | 552.1  | 571.2  | 583.5  | 594.4  | 638.2  | 706.5  | 794.0  | 921.1  | 1063.2 | 1169.8 |
| 57.5°  | 476.9  | 483.8  | 500.2  | 507.0  | 519.3  | 554.8  | 604.0  | 681.9  | 784.4  | 922.4  | 1009.9 |
| 60°    | 412.7  | 426.4  | 438.7  | 444.1  | 453.7  | 478.3  | 512.5  | 584.9  | 673.7  | 774.8  | 874.6  |
| 62.5°  | 360.8  | 366.2  | 375.8  | 382.6  | 389.5  | 415.4  | 444.1  | 498.8  | 565.8  | 650.5  | 742.0  |
| 65°    | 312.9  | 315.7  | 321.1  | 330.7  | 334.8  | 353.9  | 370.3  | 410.0  | 472.8  | 537.1  | 628.6  |
| 67.5°  | 263.7  | 266.5  | 273.3  | 278.8  | 282.9  | 295.2  | 312.9  | 341.6  | 375.8  | 446.9  | 497.4  |
| 70°    | 225.5  | 225.5  | 229.6  | 232.3  | 236.4  | 241.9  | 251.4  | 273.3  | 304.7  | 349.8  | 396.3  |
| 72.5°  | 188.6  | 188.6  | 188.6  | 192.7  | 192.7  | 196.8  | 202.2  | 217.3  | 239.1  | 274.7  | 304.7  |
| 75°    | 146.2  | 147.6  | 150.3  | 150.3  | 151.7  | 157.2  | 161.3  | 165.4  | 176.3  | 199.5  | 226.8  |
| 77.5°  | 110.7  | 113.4  | 114.8  | 112.1  | 114.8  | 114.8  | 120.3  | 125.7  | 131.2  | 138.0  | 158.5  |
| 80°    | 82.0   | 83.4   | 80.6   | 82.0   | 82.0   | 84.7   | 87.5   | 86.1   | 88.8   | 97.0   | 102.5  |
| 82.5°  | 54.7   | 56.0   | 56.0   | 56.0   | 56.0   | 60.1   | 60.1   | 58.8   | 60.1   | 61.5   | 62.9   |
| 85°    | 34.2   | 32.8   | 32.8   | 34.2   | 32.8   | 32.8   | 34.2   | 35.5   | 34.2   | 35.5   | 36.9   |
| 87.5°  | 15.0   | 15.0   | 15.0   | 15.0   | 13.7   | 13.7   | 15.0   | 13.7   | 15.0   | 13.7   | 12.3   |
| 90°    | 13.3   | 13.1   | 12.9   | 12.8   | 12.5   | 11.9   | 11.2   | 10.6   | 10.0   | 9.2    | 8.4    |
| 92.5°  | 12.3   | 12.3   | 12.3   | 12.3   | 12.0   | 11.4   | 10.8   | 10.2   | 9.6    | 8.8    | 8.0    |
| 95°    | 13.0   | 12.9   | 12.8   | 12.8   | 12.5   | 11.9   | 11.2   | 10.6   | 10.0   | 9.9    | 9.8    |
| 97.5°  | 12.6   | 12.5   | 12.4   | 12.3   | 12.0   | 11.5   | 11.0   | 10.5   | 10.0   | 20.6   | 31.3   |
| 100°   | 12.6   | 12.5   | 12.4   | 12.3   | 13.2   | 14.9   | 16.6   | 18.3   | 20.0   | 34.0   | 48.0   |
| 102.5° | 13.2   | 13.2   | 13.2   | 13.2   | 24.6   | 47.4   | 70.1   | 92.9   | 115.7  | 114.5  | 113.3  |
| 105°   | 137.1  | 140.7  | 144.4  | 146.2  | 145.7  | 144.8  | 143.9  | 143.0  | 142.1  | 141.6  | 141.1  |
| 107.5° | 174.6  | 174.2  | 173.8  | 173.6  | 173.3  | 172.8  | 172.3  | 171.8  | 171.3  | 170.6  | 169.9  |
| 110°   | 202.6  | 202.3  | 202.0  | 201.8  | 201.7  | 201.5  | 201.3  | 201.1  | 200.9  | 200.3  | 199.7  |

TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 230.2 | 229.7 | 229.3 | 229.1  | 229.2 | 229.3 | 229.4 | 229.5 | 229.6 | 229.4 | 229.2 |
| 115°   | 257.9 | 257.9 | 257.9 | 257.9  | 257.8 | 257.6 | 257.3 | 257.1 | 256.9 | 257.0 | 257.1 |
| 117.5° | 285.6 | 285.6 | 285.6 | 285.6  | 285.7 | 285.8 | 285.9 | 286.0 | 286.1 | 285.8 | 285.5 |
| 120°   | 312.0 | 312.2 | 312.4 | 312.5  | 312.4 | 312.2 | 312.0 | 311.8 | 311.6 | 311.7 | 311.8 |
| 122.5° | 337.5 | 337.7 | 337.9 | 338.0  | 338.0 | 337.9 | 337.8 | 337.7 | 337.6 | 337.4 | 337.2 |
| 125°   | 362.4 | 362.3 | 362.2 | 362.2  | 362.0 | 361.7 | 361.4 | 361.1 | 360.8 | 361.0 | 361.2 |
| 127.5° | 385.2 | 385.3 | 385.4 | 385.4  | 385.5 | 385.6 | 385.7 | 385.8 | 385.9 | 385.4 | 384.9 |
| 130°   | 407.7 | 407.7 | 407.7 | 407.7  | 407.7 | 407.6 | 407.5 | 407.4 | 407.3 | 407.0 | 406.7 |
| 132.5° | 428.9 | 429.0 | 429.1 | 429.1  | 429.1 | 429.0 | 428.9 | 428.8 | 428.7 | 428.3 | 427.9 |
| 135°   | 449.2 | 449.0 | 448.8 | 448.7  | 448.6 | 448.4 | 448.2 | 448.0 | 447.8 | 447.4 | 447.0 |
| 137.5° | 467.6 | 467.7 | 467.8 | 467.9  | 467.8 | 467.6 | 467.4 | 467.2 | 467.0 | 466.5 | 466.0 |
| 140°   | 485.9 | 485.8 | 485.7 | 485.6  | 485.5 | 485.2 | 484.9 | 484.6 | 484.3 | 484.1 | 483.9 |
| 142.5° | 501.6 | 501.6 | 501.6 | 501.6  | 501.5 | 501.3 | 501.1 | 500.9 | 500.7 | 500.6 | 500.5 |
| 145°   | 517.1 | 516.9 | 516.7 | 516.6  | 516.6 | 516.5 | 516.4 | 516.3 | 516.2 | 516.2 | 516.2 |
| 147.5° | 530.5 | 530.4 | 530.3 | 530.3  | 530.2 | 530.1 | 530.0 | 529.9 | 529.8 | 529.9 | 530.0 |
| 150°   | 543.3 | 543.2 | 543.1 | 543.0  | 543.0 | 543.0 | 543.0 | 543.0 | 543.0 | 543.1 | 543.2 |
| 152.5° | 554.6 | 554.7 | 554.8 | 554.9  | 554.8 | 554.6 | 554.4 | 554.2 | 554.0 | 554.2 | 554.4 |
| 155°   | 564.6 | 564.9 | 565.2 | 565.4  | 565.2 | 564.8 | 564.3 | 563.9 | 563.5 | 563.8 | 564.1 |
| 157.5° | 573.2 | 573.7 | 574.2 | 574.5  | 574.2 | 573.7 | 573.2 | 572.7 | 572.2 | 572.6 | 573.0 |
| 160°   | 581.6 | 582.2 | 582.8 | 583.1  | 582.8 | 582.2 | 581.6 | 581.0 | 580.4 | 580.5 | 580.6 |
| 162.5° | 588.2 | 588.9 | 589.6 | 590.0  | 589.7 | 589.1 | 588.4 | 587.8 | 587.2 | 587.3 | 587.4 |
| 165°   | 594.5 | 595.4 | 596.3 | 596.8  | 596.4 | 595.6 | 594.7 | 593.9 | 593.1 | 593.1 | 593.1 |
| 167.5° | 599.2 | 600.3 | 601.3 | 601.8  | 601.3 | 600.4 | 599.5 | 598.6 | 597.7 | 597.8 | 597.9 |
| 170°   | 603.3 | 604.4 | 605.4 | 605.9  | 605.5 | 604.7 | 603.9 | 603.1 | 602.3 | 602.2 | 602.1 |
| 172.5° | 605.8 | 606.9 | 608.0 | 608.6  | 608.2 | 607.4 | 606.6 | 605.8 | 605.0 | 604.9 | 604.8 |
| 175°   | 607.8 | 609.1 | 610.3 | 610.9  | 610.4 | 609.5 | 608.6 | 607.7 | 606.8 | 606.7 | 606.6 |
| 177.5° | 608.8 | 610.0 | 611.2 | 611.8  | 611.4 | 610.6 | 609.8 | 609.0 | 608.2 | 608.0 | 607.8 |
| 180°   | 609.1 | 609.1 | 609.1 | 609.1  | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 |

TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 |
| 2.5°   | 1739.6 | 1732.8 | 1728.7 | 1727.3 | 1715.0 | 1708.2 | 1704.1 | 1701.4 | 1697.3 | 1686.3 | 1676.8 |
| 5°     | 1805.2 | 1786.1 | 1776.5 | 1765.6 | 1746.4 | 1724.6 | 1706.8 | 1695.9 | 1682.2 | 1660.4 | 1639.9 |
| 7.5°   | 1866.7 | 1838.0 | 1818.9 | 1803.8 | 1771.0 | 1735.5 | 1706.8 | 1683.6 | 1657.6 | 1627.6 | 1598.9 |
| 10°    | 1930.9 | 1884.5 | 1859.9 | 1836.6 | 1788.8 | 1742.3 | 1701.4 | 1667.2 | 1630.3 | 1590.7 | 1559.2 |
| 12.5°  | 1981.5 | 1920.0 | 1892.7 | 1859.9 | 1801.1 | 1746.4 | 1694.5 | 1648.1 | 1600.2 | 1557.9 | 1512.8 |
| 15°    | 2040.3 | 1963.7 | 1932.3 | 1889.9 | 1809.3 | 1738.2 | 1671.3 | 1620.7 | 1571.5 | 1508.7 | 1460.8 |
| 17.5°  | 2074.4 | 1985.6 | 1940.5 | 1903.6 | 1816.1 | 1730.0 | 1652.2 | 1589.3 | 1531.9 | 1469.0 | 1418.5 |
| 20°    | 2108.6 | 2007.5 | 1956.9 | 1905.0 | 1801.1 | 1709.6 | 1627.6 | 1552.4 | 1492.3 | 1423.9 | 1372.0 |
| 22.5°  | 2119.5 | 2002.0 | 1948.7 | 1900.9 | 1791.5 | 1689.1 | 1594.8 | 1518.2 | 1448.5 | 1380.2 | 1321.5 |
| 25°    | 2119.5 | 2000.6 | 1937.8 | 1876.3 | 1761.5 | 1656.3 | 1562.0 | 1478.6 | 1400.7 | 1332.4 | 1273.6 |
| 27.5°  | 2097.7 | 1973.3 | 1907.7 | 1851.7 | 1732.8 | 1619.4 | 1522.3 | 1430.8 | 1355.6 | 1287.3 | 1220.3 |
| 30°    | 2070.3 | 1933.7 | 1868.1 | 1801.1 | 1686.3 | 1578.4 | 1473.1 | 1388.4 | 1309.2 | 1231.3 | 1171.1 |
| 32.5°  | 2036.2 | 1891.3 | 1818.9 | 1750.5 | 1628.9 | 1516.9 | 1419.8 | 1336.5 | 1261.3 | 1180.7 | 1113.7 |
| 35°    | 1987.0 | 1828.4 | 1747.8 | 1687.7 | 1570.2 | 1454.0 | 1361.1 | 1279.1 | 1206.7 | 1123.3 | 1050.9 |
| 37.5°  | 1924.1 | 1771.0 | 1689.1 | 1615.3 | 1493.6 | 1387.0 | 1299.6 | 1220.3 | 1149.3 | 1072.7 | 992.1  |
| 40°    | 1850.3 | 1690.4 | 1619.4 | 1541.5 | 1413.0 | 1311.9 | 1229.9 | 1158.8 | 1087.8 | 1015.3 | 937.5  |
| 42.5°  | 1766.9 | 1608.4 | 1529.2 | 1454.0 | 1331.0 | 1231.3 | 1154.7 | 1090.5 | 1024.9 | 957.9  | 874.6  |
| 45°    | 1667.2 | 1518.2 | 1441.7 | 1370.6 | 1251.8 | 1149.3 | 1079.6 | 1018.1 | 962.0  | 893.7  | 819.9  |
| 47.5°  | 1555.1 | 1425.3 | 1347.4 | 1270.9 | 1154.7 | 1065.9 | 997.6  | 945.7  | 897.8  | 829.5  | 762.5  |
| 50°    | 1445.8 | 1317.4 | 1254.5 | 1176.6 | 1070.0 | 986.6  | 917.0  | 873.2  | 836.3  | 769.4  | 709.2  |
| 52.5°  | 1307.8 | 1210.8 | 1150.6 | 1083.7 | 981.2  | 896.5  | 841.8  | 803.5  | 759.8  | 707.9  | 654.6  |
| 55°    | 1186.2 | 1096.0 | 1048.1 | 985.3  | 884.2  | 809.0  | 762.5  | 727.0  | 692.8  | 646.4  | 604.0  |
| 57.5°  | 1048.1 | 992.1  | 944.3  | 889.6  | 789.9  | 725.6  | 684.6  | 654.6  | 623.1  | 584.9  | 550.7  |
| 60°    | 903.3  | 877.3  | 830.9  | 787.1  | 702.4  | 646.4  | 612.2  | 584.9  | 554.8  | 523.4  | 494.7  |
| 62.5°  | 774.8  | 759.8  | 732.5  | 698.3  | 619.0  | 571.2  | 537.1  | 516.6  | 494.7  | 466.0  | 438.7  |
| 65°    | 653.2  | 646.4  | 620.4  | 595.8  | 541.2  | 498.8  | 468.7  | 456.4  | 431.8  | 410.0  | 385.4  |
| 67.5°  | 545.3  | 537.1  | 522.0  | 511.1  | 464.6  | 425.0  | 410.0  | 393.6  | 373.1  | 356.7  | 336.2  |
| 70°    | 435.9  | 434.6  | 425.0  | 411.3  | 386.7  | 358.0  | 343.0  | 332.1  | 311.6  | 299.3  | 284.2  |
| 72.5°  | 338.9  | 345.7  | 337.5  | 332.1  | 315.7  | 295.2  | 281.5  | 274.7  | 258.3  | 248.7  | 237.8  |
| 75°    | 252.8  | 258.3  | 262.4  | 252.8  | 248.7  | 239.1  | 226.8  | 220.0  | 211.8  | 198.1  | 194.0  |
| 77.5°  | 172.2  | 184.5  | 184.5  | 187.2  | 188.6  | 183.1  | 173.6  | 168.1  | 158.5  | 155.8  | 150.3  |
| 80°    | 113.4  | 124.4  | 125.7  | 128.5  | 132.6  | 132.6  | 125.7  | 124.4  | 114.8  | 113.4  | 109.3  |
| 82.5°  | 65.6   | 75.2   | 80.6   | 84.7   | 83.4   | 88.8   | 83.4   | 82.0   | 76.5   | 76.5   | 73.8   |
| 85°    | 35.5   | 36.9   | 39.6   | 42.4   | 45.1   | 47.8   | 47.8   | 46.5   | 45.1   | 43.7   | 41.0   |
| 87.5°  | 13.7   | 13.7   | 15.0   | 13.7   | 15.0   | 17.8   | 19.1   | 19.1   | 17.8   | 16.4   | 13.7   |
| 90°    | 7.6    | 6.8    | 6.4    | 5.8    | 4.7    | 3.6    | 2.5    | 1.4    | 2.5    | 3.6    | 4.7    |
| 92.5°  | 7.1    | 6.3    | 5.9    | 6.0    | 6.2    | 6.4    | 6.6    | 6.8    | 6.6    | 6.4    | 6.2    |
| 95°    | 9.7    | 9.6    | 9.6    | 11.3   | 14.8   | 18.2   | 21.7   | 25.1   | 21.7   | 18.2   | 14.8   |
| 97.5°  | 41.9   | 52.6   | 57.9   | 56.8   | 54.5   | 52.3   | 50.0   | 47.8   | 50.0   | 52.3   | 54.5   |
| 100°   | 61.9   | 75.9   | 82.9   | 82.0   | 80.2   | 78.3   | 76.5   | 74.7   | 76.5   | 78.3   | 80.2   |
| 102.5° | 112.0  | 110.8  | 110.2  | 109.6  | 108.4  | 107.2  | 106.0  | 104.8  | 106.0  | 107.2  | 108.4  |
| 105°   | 140.6  | 140.1  | 139.9  | 139.6  | 139.0  | 138.3  | 137.7  | 137.1  | 137.7  | 138.3  | 139.0  |
| 107.5° | 169.2  | 168.5  | 168.1  | 167.9  | 167.6  | 167.3  | 167.0  | 166.7  | 167.0  | 167.3  | 167.6  |
| 110°   | 199.1  | 198.5  | 198.2  | 198.0  | 197.7  | 197.4  | 197.1  | 196.8  | 197.1  | 197.4  | 197.7  |

TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 229.0 | 228.8 | 228.7  | 228.4 | 227.8 | 227.2 | 226.6 | 226.0 | 226.6 | 227.2 | 227.8 |
| 115°   | 257.2 | 257.3 | 257.4  | 257.2 | 256.9 | 256.6 | 256.3 | 256.0 | 256.3 | 256.6 | 256.9 |
| 117.5° | 285.2 | 284.9 | 284.7  | 284.5 | 284.1 | 283.7 | 283.3 | 282.9 | 283.3 | 283.7 | 284.1 |
| 120°   | 311.9 | 312.0 | 312.1  | 311.9 | 311.5 | 311.0 | 310.6 | 310.2 | 310.6 | 311.0 | 311.5 |
| 122.5° | 337.0 | 336.8 | 336.7  | 336.6 | 336.4 | 336.2 | 336.0 | 335.8 | 336.0 | 336.2 | 336.4 |
| 125°   | 361.4 | 361.6 | 361.7  | 361.5 | 361.1 | 360.7 | 360.3 | 359.9 | 360.3 | 360.7 | 361.1 |
| 127.5° | 384.4 | 383.9 | 383.6  | 383.5 | 383.4 | 383.3 | 383.2 | 383.1 | 383.2 | 383.3 | 383.4 |
| 130°   | 406.4 | 406.1 | 405.9  | 405.9 | 405.8 | 405.7 | 405.6 | 405.5 | 405.6 | 405.7 | 405.8 |
| 132.5° | 427.5 | 427.1 | 426.9  | 426.8 | 426.6 | 426.4 | 426.2 | 426.0 | 426.2 | 426.4 | 426.6 |
| 135°   | 446.6 | 446.2 | 446.0  | 446.1 | 446.2 | 446.3 | 446.4 | 446.5 | 446.4 | 446.3 | 446.2 |
| 137.5° | 465.5 | 465.0 | 464.7  | 464.7 | 464.7 | 464.7 | 464.7 | 464.7 | 464.7 | 464.7 | 464.7 |
| 140°   | 483.7 | 483.5 | 483.4  | 483.3 | 483.1 | 482.8 | 482.6 | 482.4 | 482.6 | 482.8 | 483.1 |
| 142.5° | 500.4 | 500.3 | 500.2  | 500.0 | 499.6 | 499.2 | 498.8 | 498.4 | 498.8 | 499.2 | 499.6 |
| 145°   | 516.2 | 516.2 | 516.2  | 516.0 | 515.7 | 515.4 | 515.1 | 514.8 | 515.1 | 515.4 | 515.7 |
| 147.5° | 530.1 | 530.2 | 530.3  | 530.0 | 529.4 | 528.7 | 528.1 | 527.5 | 528.1 | 528.7 | 529.4 |
| 150°   | 543.3 | 543.4 | 543.5  | 543.3 | 542.9 | 542.5 | 542.1 | 541.7 | 542.1 | 542.5 | 542.9 |
| 152.5° | 554.6 | 554.8 | 554.9  | 554.7 | 554.4 | 554.1 | 553.8 | 553.5 | 553.8 | 554.1 | 554.4 |
| 155°   | 564.4 | 564.7 | 564.9  | 564.8 | 564.7 | 564.6 | 564.5 | 564.4 | 564.5 | 564.6 | 564.7 |
| 157.5° | 573.4 | 573.8 | 574.0  | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 |
| 160°   | 580.7 | 580.8 | 580.8  | 581.0 | 581.3 | 581.6 | 581.9 | 582.2 | 581.9 | 581.6 | 581.3 |
| 162.5° | 587.5 | 587.6 | 587.7  | 587.9 | 588.3 | 588.7 | 589.1 | 589.5 | 589.1 | 588.7 | 588.3 |
| 165°   | 593.1 | 593.1 | 593.1  | 593.4 | 593.9 | 594.4 | 594.9 | 595.4 | 594.9 | 594.4 | 593.9 |
| 167.5° | 598.0 | 598.1 | 598.2  | 598.4 | 598.9 | 599.4 | 599.9 | 600.4 | 599.9 | 599.4 | 598.9 |
| 170°   | 602.0 | 601.9 | 601.8  | 602.1 | 602.7 | 603.3 | 603.9 | 604.5 | 603.9 | 603.3 | 602.7 |
| 172.5° | 604.7 | 604.6 | 604.5  | 604.8 | 605.4 | 606.1 | 606.7 | 607.3 | 606.7 | 606.1 | 605.4 |
| 175°   | 606.5 | 606.4 | 606.4  | 606.7 | 607.3 | 607.9 | 608.5 | 609.1 | 608.5 | 607.9 | 607.3 |
| 177.5° | 607.6 | 607.4 | 607.3  | 607.7 | 608.4 | 609.1 | 609.8 | 610.5 | 609.8 | 609.1 | 608.4 |
| 180°   | 609.1 | 609.1 | 609.1  | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 |

TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 |
| 2.5°   | 1668.6 | 1665.8 | 1663.1 | 1652.2 | 1642.6 | 1626.2 | 1612.5 | 1607.1 | 1605.7 | 1607.1 | 1603.0 |
| 5°     | 1620.7 | 1619.4 | 1609.8 | 1590.7 | 1572.9 | 1553.8 | 1540.1 | 1526.4 | 1518.2 | 1518.2 | 1508.7 |
| 7.5°   | 1575.6 | 1566.1 | 1557.9 | 1533.3 | 1512.8 | 1486.8 | 1466.3 | 1454.0 | 1447.2 | 1432.1 | 1432.1 |
| 10°    | 1527.8 | 1514.1 | 1503.2 | 1480.0 | 1449.9 | 1423.9 | 1398.0 | 1382.9 | 1370.6 | 1359.7 | 1355.6 |
| 12.5°  | 1480.0 | 1469.0 | 1448.5 | 1423.9 | 1393.9 | 1361.1 | 1333.8 | 1322.8 | 1294.1 | 1270.9 | 1272.3 |
| 15°    | 1434.9 | 1410.3 | 1400.7 | 1365.2 | 1329.7 | 1298.2 | 1258.6 | 1227.2 | 1203.9 | 1188.9 | 1169.8 |
| 17.5°  | 1384.3 | 1359.7 | 1341.9 | 1311.9 | 1265.4 | 1216.2 | 1178.0 | 1135.6 | 1112.4 | 1086.4 | 1074.1 |
| 20°    | 1328.3 | 1307.8 | 1294.1 | 1246.3 | 1190.3 | 1131.5 | 1089.1 | 1063.2 | 1037.2 | 1018.1 | 1007.1 |
| 22.5°  | 1280.5 | 1254.5 | 1238.1 | 1173.9 | 1112.4 | 1053.6 | 1020.8 | 998.9  | 977.1  | 960.7  | 955.2  |
| 25°    | 1219.0 | 1203.9 | 1164.3 | 1108.3 | 1033.1 | 993.5  | 964.8  | 936.1  | 923.8  | 912.9  | 900.6  |
| 27.5°  | 1168.4 | 1131.5 | 1104.2 | 1030.4 | 983.9  | 938.8  | 910.1  | 888.3  | 873.2  | 862.3  | 852.7  |
| 30°    | 1105.5 | 1071.4 | 1033.1 | 971.6  | 929.3  | 886.9  | 860.9  | 843.2  | 826.8  | 819.9  | 811.7  |
| 32.5°  | 1039.9 | 1008.5 | 971.6  | 922.4  | 870.5  | 837.7  | 817.2  | 798.1  | 787.1  | 780.3  | 770.7  |
| 35°    | 981.2  | 941.6  | 917.0  | 870.5  | 828.1  | 791.2  | 772.1  | 755.7  | 743.4  | 740.7  | 739.3  |
| 37.5°  | 918.3  | 888.3  | 865.0  | 817.2  | 781.7  | 750.2  | 732.5  | 714.7  | 707.9  | 706.5  | 701.0  |
| 40°    | 863.7  | 837.7  | 815.8  | 770.7  | 732.5  | 703.8  | 690.1  | 679.2  | 672.3  | 672.3  | 671.0  |
| 42.5°  | 815.8  | 788.5  | 766.6  | 725.6  | 691.5  | 665.5  | 650.5  | 639.5  | 636.8  | 638.2  | 636.8  |
| 45°    | 762.5  | 739.3  | 717.4  | 675.1  | 646.4  | 627.2  | 610.8  | 605.4  | 601.3  | 602.6  | 604.0  |
| 47.5°  | 712.0  | 692.8  | 671.0  | 636.8  | 604.0  | 583.5  | 574.0  | 568.5  | 568.5  | 568.5  | 571.2  |
| 50°    | 666.9  | 645.0  | 625.9  | 590.3  | 560.3  | 543.9  | 535.7  | 528.9  | 530.2  | 531.6  | 533.0  |
| 52.5°  | 613.6  | 594.4  | 580.8  | 545.3  | 523.4  | 502.9  | 493.3  | 494.7  | 493.3  | 493.3  | 496.1  |
| 55°    | 567.1  | 548.0  | 534.3  | 501.5  | 479.7  | 466.0  | 457.8  | 453.7  | 455.1  | 452.3  | 457.8  |
| 57.5°  | 515.2  | 498.8  | 489.2  | 457.8  | 438.7  | 426.4  | 419.5  | 412.7  | 415.4  | 414.1  | 412.7  |
| 60°    | 470.1  | 451.0  | 435.9  | 414.1  | 397.7  | 382.6  | 378.5  | 371.7  | 374.4  | 371.7  | 370.3  |
| 62.5°  | 418.2  | 403.1  | 392.2  | 370.3  | 356.7  | 344.4  | 334.8  | 330.7  | 329.3  | 325.2  | 321.1  |
| 65°    | 366.2  | 358.0  | 347.1  | 325.2  | 311.6  | 302.0  | 296.5  | 292.4  | 291.1  | 280.1  | 267.8  |
| 67.5°  | 318.4  | 312.9  | 302.0  | 285.6  | 273.3  | 263.7  | 255.5  | 248.7  | 240.5  | 232.3  | 225.5  |
| 70°    | 273.3  | 265.1  | 258.3  | 243.2  | 232.3  | 222.7  | 214.5  | 206.3  | 202.2  | 194.0  | 191.3  |
| 72.5°  | 229.6  | 221.4  | 214.5  | 200.9  | 191.3  | 181.8  | 179.0  | 169.5  | 165.4  | 164.0  | 164.0  |
| 75°    | 184.5  | 177.7  | 173.6  | 161.3  | 153.1  | 146.2  | 142.1  | 139.4  | 136.7  | 133.9  | 129.8  |
| 77.5°  | 140.8  | 136.7  | 133.9  | 125.7  | 118.9  | 114.8  | 113.4  | 103.9  | 101.1  | 98.4   | 95.7   |
| 80°    | 102.5  | 101.1  | 98.4   | 91.6   | 88.8   | 79.3   | 79.3   | 76.5   | 75.2   | 75.2   | 75.2   |
| 82.5°  | 69.7   | 67.0   | 65.6   | 58.8   | 57.4   | 56.0   | 54.7   | 53.3   | 54.7   | 53.3   | 54.7   |
| 85°    | 36.9   | 35.5   | 34.2   | 34.2   | 34.2   | 34.2   | 34.2   | 34.2   | 34.2   | 32.8   | 34.2   |
| 87.5°  | 13.7   | 13.7   | 13.7   | 13.7   | 12.3   | 13.7   | 13.7   | 12.3   | 13.7   | 13.7   | 13.7   |
| 90°    | 5.8    | 6.4    | 6.8    | 7.6    | 8.4    | 9.2    | 10.0   | 10.6   | 11.2   | 11.9   | 12.5   |
| 92.5°  | 6.0    | 5.9    | 6.3    | 7.1    | 8.0    | 8.8    | 9.6    | 10.2   | 10.8   | 11.4   | 12.0   |
| 95°    | 11.3   | 9.6    | 9.6    | 9.7    | 9.8    | 9.9    | 10.0   | 10.6   | 11.2   | 11.9   | 12.5   |
| 97.5°  | 56.8   | 57.9   | 52.6   | 41.9   | 31.3   | 20.6   | 10.0   | 10.5   | 11.0   | 11.5   | 12.0   |
| 100°   | 82.0   | 82.9   | 75.9   | 61.9   | 48.0   | 34.0   | 20.0   | 18.3   | 16.6   | 14.9   | 13.2   |
| 102.5° | 109.6  | 110.2  | 110.8  | 112.0  | 113.3  | 114.5  | 115.7  | 92.9   | 70.1   | 47.4   | 24.6   |
| 105°   | 139.6  | 139.9  | 140.1  | 140.6  | 141.1  | 141.6  | 142.1  | 143.0  | 143.9  | 144.8  | 145.7  |
| 107.5° | 167.9  | 168.1  | 168.5  | 169.2  | 169.9  | 170.6  | 171.3  | 171.8  | 172.3  | 172.8  | 173.3  |
| 110°   | 198.0  | 198.2  | 198.5  | 199.1  | 199.7  | 200.3  | 200.9  | 201.1  | 201.3  | 201.5  | 201.7  |

TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 228.4 | 228.7  | 228.8 | 229.0 | 229.2 | 229.4 | 229.6 | 229.5 | 229.4 | 229.3 | 229.2 |
| 115°   | 257.2 | 257.4  | 257.3 | 257.2 | 257.1 | 257.0 | 256.9 | 257.1 | 257.3 | 257.6 | 257.8 |
| 117.5° | 284.5 | 284.7  | 284.9 | 285.2 | 285.5 | 285.8 | 286.1 | 286.0 | 285.9 | 285.8 | 285.7 |
| 120°   | 311.9 | 312.1  | 312.0 | 311.9 | 311.8 | 311.7 | 311.6 | 311.8 | 312.0 | 312.2 | 312.4 |
| 122.5° | 336.6 | 336.7  | 336.8 | 337.0 | 337.2 | 337.4 | 337.6 | 337.7 | 337.8 | 337.9 | 338.0 |
| 125°   | 361.5 | 361.7  | 361.6 | 361.4 | 361.2 | 361.0 | 360.8 | 361.1 | 361.4 | 361.7 | 362.0 |
| 127.5° | 383.5 | 383.6  | 383.9 | 384.4 | 384.9 | 385.4 | 385.9 | 385.8 | 385.7 | 385.6 | 385.5 |
| 130°   | 405.9 | 405.9  | 406.1 | 406.4 | 406.7 | 407.0 | 407.3 | 407.4 | 407.5 | 407.6 | 407.7 |
| 132.5° | 426.8 | 426.9  | 427.1 | 427.5 | 427.9 | 428.3 | 428.7 | 428.8 | 428.9 | 429.0 | 429.1 |
| 135°   | 446.1 | 446.0  | 446.2 | 446.6 | 447.0 | 447.4 | 447.8 | 448.0 | 448.2 | 448.4 | 448.6 |
| 137.5° | 464.7 | 464.7  | 465.0 | 465.5 | 466.0 | 466.5 | 467.0 | 467.2 | 467.4 | 467.6 | 467.8 |
| 140°   | 483.3 | 483.4  | 483.5 | 483.7 | 483.9 | 484.1 | 484.3 | 484.6 | 484.9 | 485.2 | 485.5 |
| 142.5° | 500.0 | 500.2  | 500.3 | 500.4 | 500.5 | 500.6 | 500.7 | 500.9 | 501.1 | 501.3 | 501.5 |
| 145°   | 516.0 | 516.2  | 516.2 | 516.2 | 516.2 | 516.2 | 516.2 | 516.3 | 516.4 | 516.5 | 516.6 |
| 147.5° | 530.0 | 530.3  | 530.2 | 530.1 | 530.0 | 529.9 | 529.8 | 529.9 | 530.0 | 530.1 | 530.2 |
| 150°   | 543.3 | 543.5  | 543.4 | 543.3 | 543.2 | 543.1 | 543.0 | 543.0 | 543.0 | 543.0 | 543.0 |
| 152.5° | 554.7 | 554.9  | 554.8 | 554.6 | 554.4 | 554.2 | 554.0 | 554.2 | 554.4 | 554.6 | 554.8 |
| 155°   | 564.8 | 564.9  | 564.7 | 564.4 | 564.1 | 563.8 | 563.5 | 563.9 | 564.3 | 564.8 | 565.2 |
| 157.5° | 574.0 | 574.0  | 573.8 | 573.4 | 573.0 | 572.6 | 572.2 | 572.7 | 573.2 | 573.7 | 574.2 |
| 160°   | 581.0 | 580.8  | 580.8 | 580.7 | 580.6 | 580.5 | 580.4 | 581.0 | 581.6 | 582.2 | 582.8 |
| 162.5° | 587.9 | 587.7  | 587.6 | 587.5 | 587.4 | 587.3 | 587.2 | 587.8 | 588.4 | 589.1 | 589.7 |
| 165°   | 593.4 | 593.1  | 593.1 | 593.1 | 593.1 | 593.1 | 593.1 | 593.9 | 594.7 | 595.6 | 596.4 |
| 167.5° | 598.4 | 598.2  | 598.1 | 598.0 | 597.9 | 597.8 | 597.7 | 598.6 | 599.5 | 600.4 | 601.3 |
| 170°   | 602.1 | 601.8  | 601.9 | 602.0 | 602.1 | 602.2 | 602.3 | 603.1 | 603.9 | 604.7 | 605.5 |
| 172.5° | 604.8 | 604.5  | 604.6 | 604.7 | 604.8 | 604.9 | 605.0 | 605.8 | 606.6 | 607.4 | 608.2 |
| 175°   | 606.7 | 606.4  | 606.4 | 606.5 | 606.6 | 606.7 | 606.8 | 607.7 | 608.6 | 609.5 | 610.4 |
| 177.5° | 607.7 | 607.3  | 607.4 | 607.6 | 607.8 | 608.0 | 608.2 | 609.0 | 609.8 | 610.6 | 611.4 |
| 180°   | 609.1 | 609.1  | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 |

TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 |
| 2.5°   | 1603.0 | 1608.4 | 1601.6 | 1605.7 | 1596.1 | 1594.8 | 1596.1 | 1596.1 | 1597.5 | 1598.9 | 1600.2 |
| 5°     | 1512.8 | 1511.4 | 1503.2 | 1497.7 | 1493.6 | 1497.7 | 1500.5 | 1503.2 | 1500.5 | 1503.2 | 1504.6 |
| 7.5°   | 1428.0 | 1423.9 | 1419.8 | 1410.3 | 1413.0 | 1410.3 | 1418.5 | 1414.4 | 1414.4 | 1421.2 | 1426.7 |
| 10°    | 1352.9 | 1344.7 | 1341.9 | 1331.0 | 1322.8 | 1321.5 | 1331.0 | 1335.1 | 1339.2 | 1341.9 | 1352.9 |
| 12.5°  | 1255.9 | 1243.6 | 1234.0 | 1238.1 | 1214.9 | 1224.4 | 1227.2 | 1221.7 | 1238.1 | 1257.2 | 1246.3 |
| 15°    | 1152.0 | 1153.4 | 1134.2 | 1127.4 | 1108.3 | 1113.7 | 1115.1 | 1128.8 | 1142.4 | 1141.1 | 1157.5 |
| 17.5°  | 1075.5 | 1067.3 | 1050.9 | 1049.5 | 1041.3 | 1045.4 | 1044.0 | 1055.0 | 1050.9 | 1057.7 | 1071.4 |
| 20°    | 1004.4 | 998.9  | 985.3  | 979.8  | 982.5  | 979.8  | 981.2  | 982.5  | 986.6  | 1001.7 | 998.9  |
| 22.5°  | 948.4  | 941.6  | 941.6  | 934.7  | 926.5  | 923.8  | 930.6  | 934.7  | 940.2  | 942.9  | 949.8  |
| 25°    | 899.2  | 893.7  | 886.9  | 882.8  | 876.0  | 877.3  | 881.4  | 886.9  | 891.0  | 896.5  | 901.9  |
| 27.5°  | 848.6  | 848.6  | 841.8  | 840.4  | 837.7  | 836.3  | 841.8  | 844.5  | 844.5  | 848.6  | 854.1  |
| 30°    | 809.0  | 809.0  | 802.2  | 800.8  | 799.4  | 799.4  | 803.5  | 804.9  | 806.3  | 810.4  | 813.1  |
| 32.5°  | 770.7  | 769.4  | 766.6  | 768.0  | 766.6  | 768.0  | 768.0  | 769.4  | 772.1  | 773.5  | 778.9  |
| 35°    | 735.2  | 736.6  | 733.8  | 733.8  | 732.5  | 733.8  | 736.6  | 737.9  | 739.3  | 742.0  | 742.0  |
| 37.5°  | 701.0  | 703.8  | 702.4  | 706.5  | 706.5  | 706.5  | 706.5  | 709.2  | 709.2  | 709.2  | 707.9  |
| 40°    | 671.0  | 671.0  | 669.6  | 672.3  | 675.1  | 675.1  | 676.4  | 676.4  | 677.8  | 677.8  | 676.4  |
| 42.5°  | 636.8  | 639.5  | 643.6  | 645.0  | 647.7  | 646.4  | 650.5  | 649.1  | 650.5  | 647.7  | 645.0  |
| 45°    | 605.4  | 605.4  | 610.8  | 616.3  | 617.7  | 617.7  | 617.7  | 620.4  | 617.7  | 613.6  | 612.2  |
| 47.5°  | 571.2  | 574.0  | 576.7  | 583.5  | 584.9  | 584.9  | 584.9  | 584.9  | 582.1  | 582.1  | 582.1  |
| 50°    | 537.1  | 538.4  | 539.8  | 542.5  | 546.6  | 545.3  | 545.3  | 545.3  | 550.7  | 545.3  | 546.6  |
| 52.5°  | 496.1  | 497.4  | 498.8  | 504.3  | 502.9  | 502.9  | 504.3  | 504.3  | 508.4  | 507.0  | 504.3  |
| 55°    | 455.1  | 455.1  | 457.8  | 457.8  | 457.8  | 460.5  | 461.9  | 464.6  | 463.3  | 464.6  | 466.0  |
| 57.5°  | 414.1  | 411.3  | 410.0  | 410.0  | 414.1  | 412.7  | 414.1  | 414.1  | 419.5  | 422.3  | 423.6  |
| 60°    | 366.2  | 366.2  | 364.9  | 356.7  | 356.7  | 355.3  | 359.4  | 362.1  | 364.9  | 377.2  | 375.8  |
| 62.5°  | 317.0  | 311.6  | 306.1  | 307.5  | 299.3  | 303.4  | 300.6  | 303.4  | 311.6  | 321.1  | 322.5  |
| 65°    | 267.8  | 263.7  | 258.3  | 256.9  | 254.2  | 258.3  | 256.9  | 258.3  | 262.4  | 267.8  | 274.7  |
| 67.5°  | 224.1  | 222.7  | 220.0  | 218.6  | 218.6  | 218.6  | 221.4  | 221.4  | 222.7  | 226.8  | 230.9  |
| 70°    | 191.3  | 190.0  | 191.3  | 188.6  | 190.0  | 188.6  | 190.0  | 191.3  | 192.7  | 194.0  | 198.1  |
| 72.5°  | 161.3  | 161.3  | 161.3  | 158.5  | 161.3  | 159.9  | 159.9  | 161.3  | 162.6  | 164.0  | 166.7  |
| 75°    | 128.5  | 125.7  | 123.0  | 120.3  | 118.9  | 121.6  | 123.0  | 121.6  | 125.7  | 131.2  | 131.2  |
| 77.5°  | 97.0   | 95.7   | 95.7   | 95.7   | 97.0   | 95.7   | 98.4   | 97.0   | 98.4   | 98.4   | 101.1  |
| 80°    | 75.2   | 73.8   | 75.2   | 75.2   | 73.8   | 76.5   | 75.2   | 75.2   | 76.5   | 77.9   | 76.5   |
| 82.5°  | 54.7   | 56.0   | 54.7   | 54.7   | 54.7   | 57.4   | 54.7   | 54.7   | 54.7   | 56.0   | 56.0   |
| 85°    | 34.2   | 34.2   | 34.2   | 34.2   | 35.5   | 34.2   | 35.5   | 34.2   | 36.9   | 35.5   | 35.5   |
| 87.5°  | 12.3   | 13.7   | 15.0   | 15.0   | 15.0   | 15.0   | 13.7   | 15.0   | 16.4   | 15.0   | 16.4   |
| 90°    | 12.8   | 12.9   | 13.1   | 13.3   | 13.5   | 13.7   | 13.5   | 13.3   | 13.1   | 12.9   | 12.8   |
| 92.5°  | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   |
| 95°    | 12.8   | 12.8   | 12.9   | 13.0   | 13.1   | 13.2   | 13.1   | 13.0   | 12.9   | 12.8   | 12.8   |
| 97.5°  | 12.3   | 12.4   | 12.5   | 12.6   | 12.7   | 12.8   | 12.7   | 12.6   | 12.5   | 12.4   | 12.3   |
| 100°   | 12.3   | 12.4   | 12.5   | 12.6   | 12.7   | 12.8   | 12.7   | 12.6   | 12.5   | 12.4   | 12.3   |
| 102.5° | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   |
| 105°   | 146.2  | 144.4  | 140.7  | 137.1  | 133.4  | 129.8  | 133.4  | 137.1  | 140.7  | 144.4  | 146.2  |
| 107.5° | 173.6  | 173.8  | 174.2  | 174.6  | 175.0  | 175.4  | 175.0  | 174.6  | 174.2  | 173.8  | 173.6  |
| 110°   | 201.8  | 202.0  | 202.3  | 202.6  | 202.9  | 203.2  | 202.9  | 202.6  | 202.3  | 202.0  | 201.8  |



TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 229.1  | 229.3 | 229.7 | 230.2 | 230.6 | 231.0 | 230.6 | 230.2 | 229.7 | 229.3 | 229.1  |
| 115°   | 257.9  | 257.9 | 257.9 | 257.9 | 257.9 | 257.9 | 257.9 | 257.9 | 257.9 | 257.9 | 257.9  |
| 117.5° | 285.6  | 285.6 | 285.6 | 285.6 | 285.6 | 285.6 | 285.6 | 285.6 | 285.6 | 285.6 | 285.6  |
| 120°   | 312.5  | 312.4 | 312.2 | 312.0 | 311.8 | 311.6 | 311.8 | 312.0 | 312.2 | 312.4 | 312.5  |
| 122.5° | 338.0  | 337.9 | 337.7 | 337.5 | 337.3 | 337.1 | 337.3 | 337.5 | 337.7 | 337.9 | 338.0  |
| 125°   | 362.2  | 362.2 | 362.3 | 362.4 | 362.5 | 362.6 | 362.5 | 362.4 | 362.3 | 362.2 | 362.2  |
| 127.5° | 385.4  | 385.4 | 385.3 | 385.2 | 385.1 | 385.0 | 385.1 | 385.2 | 385.3 | 385.4 | 385.4  |
| 130°   | 407.7  | 407.7 | 407.7 | 407.7 | 407.7 | 407.7 | 407.7 | 407.7 | 407.7 | 407.7 | 407.7  |
| 132.5° | 429.1  | 429.1 | 429.0 | 428.9 | 428.8 | 428.7 | 428.8 | 428.9 | 429.0 | 429.1 | 429.1  |
| 135°   | 448.7  | 448.8 | 449.0 | 449.2 | 449.4 | 449.6 | 449.4 | 449.2 | 449.0 | 448.8 | 448.7  |
| 137.5° | 467.9  | 467.8 | 467.7 | 467.6 | 467.5 | 467.4 | 467.5 | 467.6 | 467.7 | 467.8 | 467.9  |
| 140°   | 485.6  | 485.7 | 485.8 | 485.9 | 486.0 | 486.1 | 486.0 | 485.9 | 485.8 | 485.7 | 485.6  |
| 142.5° | 501.6  | 501.6 | 501.6 | 501.6 | 501.6 | 501.6 | 501.6 | 501.6 | 501.6 | 501.6 | 501.6  |
| 145°   | 516.6  | 516.7 | 516.9 | 517.1 | 517.3 | 517.5 | 517.3 | 517.1 | 516.9 | 516.7 | 516.6  |
| 147.5° | 530.3  | 530.3 | 530.4 | 530.5 | 530.6 | 530.7 | 530.6 | 530.5 | 530.4 | 530.3 | 530.3  |
| 150°   | 543.0  | 543.1 | 543.2 | 543.3 | 543.4 | 543.5 | 543.4 | 543.3 | 543.2 | 543.1 | 543.0  |
| 152.5° | 554.9  | 554.8 | 554.7 | 554.6 | 554.5 | 554.4 | 554.5 | 554.6 | 554.7 | 554.8 | 554.9  |
| 155°   | 565.4  | 565.2 | 564.9 | 564.6 | 564.3 | 564.0 | 564.3 | 564.6 | 564.9 | 565.2 | 565.4  |
| 157.5° | 574.5  | 574.2 | 573.7 | 573.2 | 572.7 | 572.2 | 572.7 | 573.2 | 573.7 | 574.2 | 574.5  |
| 160°   | 583.1  | 582.8 | 582.2 | 581.6 | 581.0 | 580.4 | 581.0 | 581.6 | 582.2 | 582.8 | 583.1  |
| 162.5° | 590.0  | 589.6 | 588.9 | 588.2 | 587.5 | 586.8 | 587.5 | 588.2 | 588.9 | 589.6 | 590.0  |
| 165°   | 596.8  | 596.3 | 595.4 | 594.5 | 593.6 | 592.7 | 593.6 | 594.5 | 595.4 | 596.3 | 596.8  |
| 167.5° | 601.8  | 601.3 | 600.3 | 599.2 | 598.2 | 597.2 | 598.2 | 599.2 | 600.3 | 601.3 | 601.8  |
| 170°   | 605.9  | 605.4 | 604.4 | 603.3 | 602.3 | 601.3 | 602.3 | 603.3 | 604.4 | 605.4 | 605.9  |
| 172.5° | 608.6  | 608.0 | 606.9 | 605.8 | 604.7 | 603.6 | 604.7 | 605.8 | 606.9 | 608.0 | 608.6  |
| 175°   | 610.9  | 610.3 | 609.1 | 607.8 | 606.6 | 605.4 | 606.6 | 607.8 | 609.1 | 610.3 | 610.9  |
| 177.5° | 611.8  | 611.2 | 610.0 | 608.8 | 607.6 | 606.4 | 607.6 | 608.8 | 610.0 | 611.2 | 611.8  |
| 180°   | 609.1  | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1  |

TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 |
| 2.5°   | 1605.7 | 1612.5 | 1609.8 | 1600.2 | 1604.3 | 1612.5 | 1620.7 | 1631.7 | 1638.5 | 1644.0 | 1646.7 |
| 5°     | 1511.4 | 1523.7 | 1521.0 | 1521.0 | 1526.4 | 1540.1 | 1553.8 | 1577.0 | 1585.2 | 1594.8 | 1608.4 |
| 7.5°   | 1428.0 | 1437.6 | 1445.8 | 1448.5 | 1456.7 | 1474.5 | 1492.3 | 1518.2 | 1538.7 | 1549.7 | 1557.9 |
| 10°    | 1354.2 | 1361.1 | 1373.4 | 1380.2 | 1388.4 | 1410.3 | 1436.2 | 1463.6 | 1484.1 | 1503.2 | 1514.1 |
| 12.5°  | 1260.0 | 1287.3 | 1303.7 | 1314.6 | 1325.6 | 1358.3 | 1378.8 | 1408.9 | 1433.5 | 1451.3 | 1467.7 |
| 15°    | 1154.7 | 1187.5 | 1197.1 | 1239.5 | 1266.8 | 1292.8 | 1324.2 | 1359.7 | 1382.9 | 1403.4 | 1425.3 |
| 17.5°  | 1065.9 | 1089.1 | 1100.1 | 1145.2 | 1168.4 | 1209.4 | 1254.5 | 1299.6 | 1335.1 | 1350.1 | 1372.0 |
| 20°    | 1009.9 | 1022.2 | 1044.0 | 1059.1 | 1083.7 | 1131.5 | 1180.7 | 1235.4 | 1288.7 | 1303.7 | 1325.6 |
| 22.5°  | 952.5  | 968.9  | 983.9  | 1004.4 | 1023.5 | 1056.3 | 1105.5 | 1165.7 | 1223.1 | 1250.4 | 1276.4 |
| 25°    | 900.6  | 917.0  | 926.5  | 948.4  | 966.1  | 998.9  | 1033.1 | 1094.6 | 1162.9 | 1186.2 | 1227.2 |
| 27.5°  | 859.6  | 869.1  | 885.5  | 895.1  | 915.6  | 945.7  | 977.1  | 1023.5 | 1090.5 | 1130.1 | 1169.8 |
| 30°    | 818.6  | 825.4  | 839.1  | 852.7  | 867.8  | 888.3  | 923.8  | 968.9  | 1030.4 | 1064.5 | 1104.2 |
| 32.5°  | 777.6  | 788.5  | 796.7  | 806.3  | 822.7  | 847.3  | 871.9  | 915.6  | 964.8  | 1003.0 | 1042.7 |
| 35°    | 743.4  | 747.5  | 758.4  | 769.4  | 780.3  | 802.2  | 828.1  | 870.5  | 914.2  | 944.3  | 979.8  |
| 37.5°  | 706.5  | 713.3  | 721.5  | 725.6  | 743.4  | 757.1  | 784.4  | 817.2  | 869.1  | 888.3  | 923.8  |
| 40°    | 677.8  | 676.4  | 684.6  | 691.5  | 699.7  | 721.5  | 737.9  | 773.5  | 814.5  | 844.5  | 866.4  |
| 42.5°  | 642.3  | 642.3  | 645.0  | 653.2  | 664.1  | 677.8  | 696.9  | 727.0  | 769.4  | 791.2  | 817.2  |
| 45°    | 613.6  | 609.5  | 610.8  | 616.3  | 623.1  | 636.8  | 655.9  | 681.9  | 724.3  | 742.0  | 769.4  |
| 47.5°  | 579.4  | 575.3  | 575.3  | 580.8  | 586.2  | 595.8  | 610.8  | 640.9  | 675.1  | 698.3  | 718.8  |
| 50°    | 541.2  | 542.5  | 541.2  | 545.3  | 548.0  | 557.6  | 574.0  | 598.5  | 630.0  | 649.1  | 672.3  |
| 52.5°  | 505.6  | 502.9  | 501.5  | 504.3  | 509.7  | 516.6  | 534.3  | 556.2  | 586.2  | 605.4  | 625.9  |
| 55°    | 461.9  | 464.6  | 464.6  | 464.6  | 472.8  | 475.6  | 489.2  | 511.1  | 541.2  | 556.2  | 575.3  |
| 57.5°  | 422.3  | 420.9  | 423.6  | 422.3  | 429.1  | 438.7  | 449.6  | 466.0  | 496.1  | 511.1  | 528.9  |
| 60°    | 378.5  | 379.9  | 381.3  | 381.3  | 386.7  | 396.3  | 408.6  | 423.6  | 448.2  | 463.3  | 479.7  |
| 62.5°  | 325.2  | 332.1  | 338.9  | 341.6  | 349.8  | 356.7  | 364.9  | 381.3  | 403.1  | 414.1  | 429.1  |
| 65°    | 274.7  | 284.2  | 293.8  | 300.6  | 306.1  | 312.9  | 323.9  | 338.9  | 356.7  | 367.6  | 382.6  |
| 67.5°  | 230.9  | 237.8  | 250.1  | 256.9  | 267.8  | 276.0  | 282.9  | 295.2  | 317.0  | 321.1  | 333.4  |
| 70°    | 199.5  | 202.2  | 207.7  | 213.2  | 225.5  | 232.3  | 240.5  | 252.8  | 269.2  | 278.8  | 285.6  |
| 72.5°  | 168.1  | 169.5  | 172.2  | 177.7  | 183.1  | 191.3  | 200.9  | 211.8  | 226.8  | 230.9  | 240.5  |
| 75°    | 133.9  | 142.1  | 142.1  | 146.2  | 150.3  | 154.4  | 162.6  | 173.6  | 183.1  | 190.0  | 195.4  |
| 77.5°  | 99.8   | 103.9  | 106.6  | 113.4  | 118.9  | 123.0  | 128.5  | 136.7  | 142.1  | 147.6  | 151.7  |
| 80°    | 77.9   | 79.3   | 80.6   | 80.6   | 83.4   | 88.8   | 94.3   | 99.8   | 106.6  | 109.3  | 113.4  |
| 82.5°  | 57.4   | 57.4   | 57.4   | 60.1   | 61.5   | 62.9   | 62.9   | 65.6   | 72.4   | 75.2   | 79.3   |
| 85°    | 36.9   | 36.9   | 36.9   | 36.9   | 38.3   | 39.6   | 41.0   | 42.4   | 42.4   | 42.4   | 45.1   |
| 87.5°  | 15.0   | 17.8   | 16.4   | 17.8   | 17.8   | 17.8   | 17.8   | 19.1   | 19.1   | 20.5   | 20.5   |
| 90°    | 12.5   | 11.9   | 11.2   | 10.6   | 10.0   | 9.2    | 8.4    | 7.6    | 6.8    | 6.4    | 5.8    |
| 92.5°  | 12.0   | 11.4   | 10.8   | 10.2   | 9.6    | 8.8    | 8.0    | 7.1    | 6.3    | 5.9    | 6.0    |
| 95°    | 12.5   | 11.9   | 11.2   | 10.6   | 10.0   | 9.9    | 9.8    | 9.7    | 9.6    | 9.6    | 11.3   |
| 97.5°  | 12.0   | 11.5   | 11.0   | 10.5   | 10.0   | 20.6   | 31.3   | 41.9   | 52.6   | 57.9   | 56.8   |
| 100°   | 13.2   | 14.9   | 16.6   | 18.3   | 20.0   | 34.0   | 48.0   | 61.9   | 75.9   | 82.9   | 82.0   |
| 102.5° | 24.6   | 47.4   | 70.1   | 92.9   | 115.7  | 114.5  | 113.3  | 112.0  | 110.8  | 110.2  | 109.6  |
| 105°   | 145.7  | 144.8  | 143.9  | 143.0  | 142.1  | 141.6  | 141.1  | 140.6  | 140.1  | 139.9  | 139.6  |
| 107.5° | 173.3  | 172.8  | 172.3  | 171.8  | 171.3  | 170.6  | 169.9  | 169.2  | 168.5  | 168.1  | 167.9  |
| 110°   | 201.7  | 201.5  | 201.3  | 201.1  | 200.9  | 200.3  | 199.7  | 199.1  | 198.5  | 198.2  | 198.0  |

TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 229.2 | 229.3 | 229.4 | 229.5 | 229.6 | 229.4 | 229.2 | 229.0 | 228.8 | 228.7  | 228.4 |
| 115°   | 257.8 | 257.6 | 257.3 | 257.1 | 256.9 | 257.0 | 257.1 | 257.2 | 257.3 | 257.4  | 257.2 |
| 117.5° | 285.7 | 285.8 | 285.9 | 286.0 | 286.1 | 285.8 | 285.5 | 285.2 | 284.9 | 284.7  | 284.5 |
| 120°   | 312.4 | 312.2 | 312.0 | 311.8 | 311.6 | 311.7 | 311.8 | 311.9 | 312.0 | 312.1  | 311.9 |
| 122.5° | 338.0 | 337.9 | 337.8 | 337.7 | 337.6 | 337.4 | 337.2 | 337.0 | 336.8 | 336.7  | 336.6 |
| 125°   | 362.0 | 361.7 | 361.4 | 361.1 | 360.8 | 361.0 | 361.2 | 361.4 | 361.6 | 361.7  | 361.5 |
| 127.5° | 385.5 | 385.6 | 385.7 | 385.8 | 385.9 | 385.4 | 384.9 | 384.4 | 383.9 | 383.6  | 383.5 |
| 130°   | 407.7 | 407.6 | 407.5 | 407.4 | 407.3 | 407.0 | 406.7 | 406.4 | 406.1 | 405.9  | 405.9 |
| 132.5° | 429.1 | 429.0 | 428.9 | 428.8 | 428.7 | 428.3 | 427.9 | 427.5 | 427.1 | 426.9  | 426.8 |
| 135°   | 448.6 | 448.4 | 448.2 | 448.0 | 447.8 | 447.4 | 447.0 | 446.6 | 446.2 | 446.0  | 446.1 |
| 137.5° | 467.8 | 467.6 | 467.4 | 467.2 | 467.0 | 466.5 | 466.0 | 465.5 | 465.0 | 464.7  | 464.7 |
| 140°   | 485.5 | 485.2 | 484.9 | 484.6 | 484.3 | 484.1 | 483.9 | 483.7 | 483.5 | 483.4  | 483.3 |
| 142.5° | 501.5 | 501.3 | 501.1 | 500.9 | 500.7 | 500.6 | 500.5 | 500.4 | 500.3 | 500.2  | 500.0 |
| 145°   | 516.6 | 516.5 | 516.4 | 516.3 | 516.2 | 516.2 | 516.2 | 516.2 | 516.2 | 516.2  | 516.0 |
| 147.5° | 530.2 | 530.1 | 530.0 | 529.9 | 529.8 | 529.9 | 530.0 | 530.1 | 530.2 | 530.3  | 530.0 |
| 150°   | 543.0 | 543.0 | 543.0 | 543.0 | 543.0 | 543.1 | 543.2 | 543.3 | 543.4 | 543.5  | 543.3 |
| 152.5° | 554.8 | 554.6 | 554.4 | 554.2 | 554.0 | 554.2 | 554.4 | 554.6 | 554.8 | 554.9  | 554.7 |
| 155°   | 565.2 | 564.8 | 564.3 | 563.9 | 563.5 | 563.8 | 564.1 | 564.4 | 564.7 | 564.9  | 564.8 |
| 157.5° | 574.2 | 573.7 | 573.2 | 572.7 | 572.2 | 572.6 | 573.0 | 573.4 | 573.8 | 574.0  | 574.0 |
| 160°   | 582.8 | 582.2 | 581.6 | 581.0 | 580.4 | 580.5 | 580.6 | 580.7 | 580.8 | 580.8  | 581.0 |
| 162.5° | 589.7 | 589.1 | 588.4 | 587.8 | 587.2 | 587.3 | 587.4 | 587.5 | 587.6 | 587.7  | 587.9 |
| 165°   | 596.4 | 595.6 | 594.7 | 593.9 | 593.1 | 593.1 | 593.1 | 593.1 | 593.1 | 593.1  | 593.4 |
| 167.5° | 601.3 | 600.4 | 599.5 | 598.6 | 597.7 | 597.8 | 597.9 | 598.0 | 598.1 | 598.2  | 598.4 |
| 170°   | 605.5 | 604.7 | 603.9 | 603.1 | 602.3 | 602.2 | 602.1 | 602.0 | 601.9 | 601.8  | 602.1 |
| 172.5° | 608.2 | 607.4 | 606.6 | 605.8 | 605.0 | 604.9 | 604.8 | 604.7 | 604.6 | 604.5  | 604.8 |
| 175°   | 610.4 | 609.5 | 608.6 | 607.7 | 606.8 | 606.7 | 606.6 | 606.5 | 606.4 | 606.4  | 606.7 |
| 177.5° | 611.4 | 610.6 | 609.8 | 609.0 | 608.2 | 608.0 | 607.8 | 607.6 | 607.4 | 607.3  | 607.7 |
| 180°   | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1 | 609.1  | 609.1 |

TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1695.9 | 1695.9 | 1695.9 | 1695.9 |
| 2.5°   | 1657.6 | 1665.8 | 1679.5 | 1698.6 |
| 5°     | 1619.4 | 1642.6 | 1664.5 | 1693.2 |
| 7.5°   | 1585.2 | 1612.5 | 1642.6 | 1683.6 |
| 10°    | 1545.6 | 1579.7 | 1618.0 | 1668.6 |
| 12.5°  | 1499.1 | 1546.9 | 1590.7 | 1645.3 |
| 15°    | 1464.9 | 1500.5 | 1556.5 | 1620.7 |
| 17.5°  | 1417.1 | 1464.9 | 1521.0 | 1593.4 |
| 20°    | 1372.0 | 1422.6 | 1485.4 | 1560.6 |
| 22.5°  | 1324.2 | 1381.6 | 1444.4 | 1525.1 |
| 25°    | 1275.0 | 1336.5 | 1399.3 | 1485.4 |
| 27.5°  | 1229.9 | 1285.9 | 1357.0 | 1444.4 |
| 30°    | 1175.2 | 1239.5 | 1307.8 | 1399.3 |
| 32.5°  | 1121.9 | 1188.9 | 1258.6 | 1350.1 |
| 35°    | 1064.5 | 1131.5 | 1208.0 | 1295.5 |
| 37.5°  | 1008.5 | 1082.3 | 1152.0 | 1236.7 |
| 40°    | 947.0  | 1023.5 | 1096.0 | 1182.1 |
| 42.5°  | 886.9  | 966.1  | 1038.6 | 1112.4 |
| 45°    | 830.9  | 908.8  | 974.3  | 1044.0 |
| 47.5°  | 777.6  | 847.3  | 914.2  | 977.1  |
| 50°    | 725.6  | 784.4  | 845.9  | 897.8  |
| 52.5°  | 671.0  | 727.0  | 776.2  | 822.7  |
| 55°    | 621.8  | 665.5  | 709.2  | 751.6  |
| 57.5°  | 563.0  | 606.7  | 645.0  | 677.8  |
| 60°    | 513.8  | 541.2  | 578.0  | 612.2  |
| 62.5°  | 457.8  | 489.2  | 517.9  | 539.8  |
| 65°    | 403.1  | 430.5  | 452.3  | 471.5  |
| 67.5°  | 356.7  | 373.1  | 389.5  | 410.0  |
| 70°    | 300.6  | 314.3  | 333.4  | 348.5  |
| 72.5°  | 252.8  | 263.7  | 273.3  | 291.1  |
| 75°    | 205.0  | 214.5  | 220.0  | 236.4  |
| 77.5°  | 158.5  | 168.1  | 172.2  | 181.8  |
| 80°    | 121.6  | 123.0  | 128.5  | 136.7  |
| 82.5°  | 83.4   | 86.1   | 87.5   | 94.3   |
| 85°    | 47.8   | 54.7   | 53.3   | 56.0   |
| 87.5°  | 20.5   | 21.9   | 24.6   | 27.3   |
| 90°    | 4.7    | 3.6    | 2.5    | 1.4    |
| 92.5°  | 6.2    | 6.4    | 6.6    | 6.8    |
| 95°    | 14.8   | 18.2   | 21.7   | 25.1   |
| 97.5°  | 54.5   | 52.3   | 50.0   | 47.8   |
| 100°   | 80.2   | 78.3   | 76.5   | 74.7   |
| 102.5° | 108.4  | 107.2  | 106.0  | 104.8  |
| 105°   | 139.0  | 138.3  | 137.7  | 137.1  |
| 107.5° | 167.6  | 167.3  | 167.0  | 166.7  |
| 110°   | 197.7  | 197.4  | 197.1  | 196.8  |

TEST NUMBER: P1033894

CATALOG NUMBER: S124RDIW-B1020D470UB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 227.8 | 227.2 | 226.6 | 226.0 |
| 115°   | 256.9 | 256.6 | 256.3 | 256.0 |
| 117.5° | 284.1 | 283.7 | 283.3 | 282.9 |
| 120°   | 311.5 | 311.0 | 310.6 | 310.2 |
| 122.5° | 336.4 | 336.2 | 336.0 | 335.8 |
| 125°   | 361.1 | 360.7 | 360.3 | 359.9 |
| 127.5° | 383.4 | 383.3 | 383.2 | 383.1 |
| 130°   | 405.8 | 405.7 | 405.6 | 405.5 |
| 132.5° | 426.6 | 426.4 | 426.2 | 426.0 |
| 135°   | 446.2 | 446.3 | 446.4 | 446.5 |
| 137.5° | 464.7 | 464.7 | 464.7 | 464.7 |
| 140°   | 483.1 | 482.8 | 482.6 | 482.4 |
| 142.5° | 499.6 | 499.2 | 498.8 | 498.4 |
| 145°   | 515.7 | 515.4 | 515.1 | 514.8 |
| 147.5° | 529.4 | 528.7 | 528.1 | 527.5 |
| 150°   | 542.9 | 542.5 | 542.1 | 541.7 |
| 152.5° | 554.4 | 554.1 | 553.8 | 553.5 |
| 155°   | 564.7 | 564.6 | 564.5 | 564.4 |
| 157.5° | 574.0 | 574.0 | 574.0 | 574.0 |
| 160°   | 581.3 | 581.6 | 581.9 | 582.2 |
| 162.5° | 588.3 | 588.7 | 589.1 | 589.5 |
| 165°   | 593.9 | 594.4 | 594.9 | 595.4 |
| 167.5° | 598.9 | 599.4 | 599.9 | 600.4 |
| 170°   | 602.7 | 603.3 | 603.9 | 604.5 |
| 172.5° | 605.4 | 606.1 | 606.7 | 607.3 |
| 175°   | 607.3 | 607.9 | 608.5 | 609.1 |
| 177.5° | 608.4 | 609.1 | 609.8 | 610.5 |
| 180°   | 609.1 | 609.1 | 609.1 | 609.1 |

(END OF REPORT)