

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: P1010792

Luminaire Tested: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1010792  
REPORT IS A COMBINATION OF REPORTS P992808 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K  
Description: Define 3 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}  
{m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

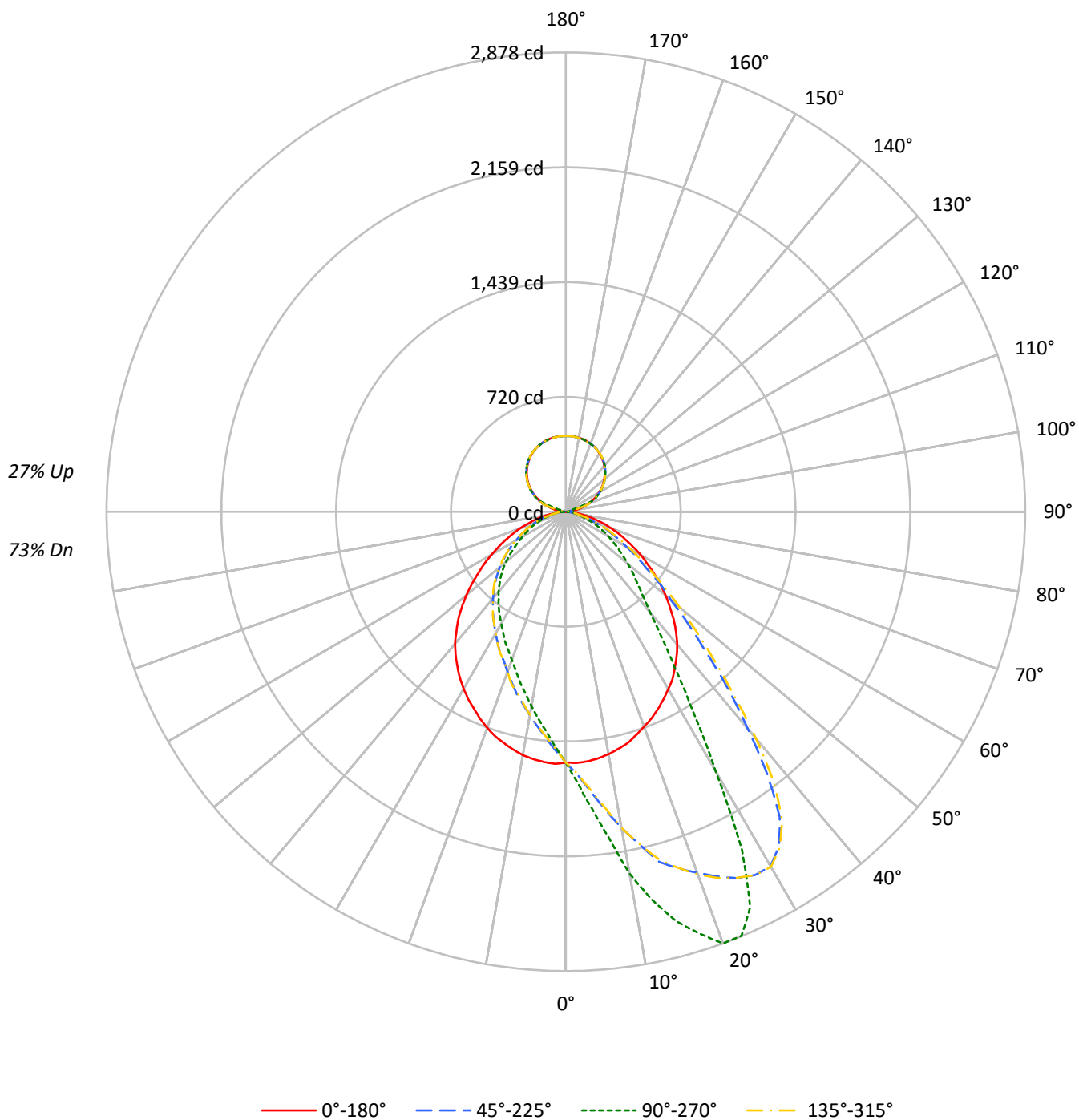
Lumens per Lamp: N/A  
Luminaire Lumens: 5363.0 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 56.1  
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: P1010792

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1010792

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | 86 | 86 | 86 | 77 | 77 | 77 | 77 | 77 | 77 |
| 1   | 104 | 100 | 96  | 93  | 98  | 95  | 92  | 89  | 86 | 83 | 81 | 77 | 75 | 74 | 70 | 68 | 67 | 67 | 67 | 67 |
| 2   | 95  | 88  | 82  | 77  | 90  | 84  | 79  | 74  | 76 | 72 | 68 | 69 | 66 | 63 | 62 | 60 | 58 | 58 | 58 | 58 |
| 3   | 87  | 78  | 71  | 65  | 83  | 75  | 68  | 63  | 68 | 63 | 59 | 62 | 58 | 54 | 56 | 53 | 50 | 50 | 50 | 50 |
| 4   | 81  | 70  | 62  | 56  | 76  | 67  | 60  | 54  | 61 | 55 | 51 | 56 | 51 | 47 | 51 | 47 | 44 | 44 | 44 | 44 |
| 5   | 74  | 63  | 55  | 49  | 70  | 60  | 53  | 47  | 55 | 49 | 44 | 50 | 45 | 42 | 46 | 42 | 39 | 39 | 39 | 39 |
| 6   | 69  | 57  | 49  | 43  | 65  | 54  | 47  | 42  | 50 | 44 | 39 | 46 | 41 | 37 | 42 | 38 | 35 | 35 | 35 | 35 |
| 7   | 64  | 52  | 44  | 38  | 61  | 50  | 42  | 37  | 46 | 40 | 35 | 42 | 37 | 33 | 39 | 34 | 31 | 31 | 31 | 31 |
| 8   | 60  | 47  | 39  | 34  | 57  | 45  | 38  | 33  | 42 | 36 | 31 | 39 | 34 | 30 | 36 | 31 | 28 | 28 | 28 | 28 |
| 9   | 56  | 43  | 36  | 31  | 53  | 42  | 35  | 30  | 39 | 33 | 28 | 36 | 31 | 27 | 33 | 29 | 25 | 25 | 25 | 25 |
| 10  | 52  | 40  | 33  | 28  | 50  | 39  | 32  | 27  | 36 | 30 | 26 | 33 | 28 | 25 | 31 | 26 | 23 | 23 | 23 | 23 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 16910 | 16910 | 16910 | 16910 |
| 5°  | 16924 | 19476 | 16967 | 14450 |
| 10° | 16775 | 23511 | 16848 | 12620 |
| 15° | 16602 | 26683 | 16602 | 11129 |
| 20° | 16261 | 28782 | 16353 | 9872  |
| 25° | 16012 | 27345 | 15980 | 9008  |
| 30° | 15722 | 18946 | 15689 | 8163  |
| 35° | 15373 | 12164 | 15303 | 7525  |
| 40° | 14939 | 8590  | 14865 | 6892  |
| 45° | 14183 | 6874  | 14164 | 6274  |
| 50° | 13255 | 5750  | 13211 | 5552  |
| 55° | 12211 | 4739  | 12113 | 4707  |
| 60° | 11186 | 3917  | 11074 | 4002  |
| 65° | 9981  | 3135  | 10047 | 3393  |
| 70° | 8873  | 2179  | 9111  | 2742  |
| 75° | 7520  | 1615  | 7829  | 2109  |
| 80° | 5988  | 1072  | 6498  | 1582  |
| 85° | 4265  | 508   | 4649  | 984   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 22576 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 154.3  | 2.9       |
| 10°-20°   | 483.0  | 9.0       |
| 20°-30°   | 760.7  | 14.2      |
| 30°-40°   | 791.0  | 14.7      |
| 40°-50°   | 676.7  | 12.6      |
| 50°-60°   | 515.9  | 9.6       |
| 60°-70°   | 330.5  | 6.2       |
| 70°-80°   | 158.4  | 3.0       |
| 80°-90°   | 42.6   | 0.8       |
| 90°-100°  | 16.8   | 0.3       |
| 100°-110° | 81.1   | 1.5       |
| 110°-120° | 198.7  | 3.7       |
| 120°-130° | 252.3  | 4.7       |
| 130°-140° | 269.5  | 5.0       |
| 140°-150° | 252.0  | 4.7       |
| 150°-160° | 203.3  | 3.8       |
| 160°-170° | 131.2  | 2.4       |
| 170°-180° | 45.2   | 0.8       |
| 0°-30°    | 1397.9 | 26.1      |
| 0°-40°    | 2188.9 | 40.8      |
| 0°-60°    | 3381.5 | 63.1      |
| 0°-90°    | 3912.9 | 73.0      |
| 90°-120°  | 296.6  | 5.5       |
| 90°-150°  | 1070.4 | 20.0      |
| 90°-180°  | 1450.0 | 27.0      |
| 0°-180°   | 5363.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1571 | 1571 | 1571 | 1571 | 1571 |      |
| 5°   | 1570 | 1866 | 1574 | 1384 | 1570 | 149  |
| 15°  | 1500 | 2651 | 1500 | 1106 | 1500 | 422  |
| 25°  | 1364 | 2732 | 1361 | 900  | 1364 | 628  |
| 35°  | 1190 | 1185 | 1185 | 733  | 1190 | 745  |
| 45°  | 955  | 632  | 954  | 577  | 955  | 735  |
| 55°  | 674  | 397  | 668  | 394  | 674  | 604  |
| 65°  | 413  | 229  | 416  | 248  | 413  | 413  |
| 75°  | 198  | 97   | 206  | 126  | 198  | 213  |
| 85°  | 44   | 23   | 48   | 44   | 44   | 50   |
| 90°  | 0    | 11   | 0    | 11   | 0    | 4    |
| 95°  | 22   | 13   | 22   | 13   | 22   | 26   |
| 105° | 105  | 16   | 105  | 16   | 105  | 112  |
| 115° | 198  | 208  | 198  | 208  | 198  | 195  |
| 125° | 278  | 284  | 278  | 284  | 278  | 249  |
| 135° | 347  | 350  | 347  | 350  | 347  | 267  |
| 145° | 400  | 404  | 400  | 404  | 400  | 250  |
| 155° | 441  | 440  | 441  | 440  | 441  | 203  |
| 165° | 465  | 464  | 465  | 464  | 465  | 131  |
| 175° | 476  | 474  | 476  | 474  | 476  | 45   |
| 180° | 476  | 476  | 476  | 476  | 476  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 |
| 2.5°   | 1575.1 | 1585.8 | 1593.9 | 1599.3 | 1612.7 | 1620.8 | 1627.5 | 1639.6 | 1639.6 | 1642.3 | 1647.7 |
| 5°     | 1569.7 | 1592.6 | 1608.7 | 1630.2 | 1658.5 | 1671.9 | 1690.8 | 1706.9 | 1729.8 | 1741.9 | 1754.0 |
| 7.5°   | 1557.6 | 1589.9 | 1623.5 | 1655.8 | 1697.5 | 1724.4 | 1743.2 | 1784.9 | 1814.5 | 1850.8 | 1879.1 |
| 10°    | 1541.5 | 1585.8 | 1628.9 | 1678.7 | 1735.1 | 1775.5 | 1803.7 | 1858.9 | 1915.4 | 1966.5 | 2009.5 |
| 12.5°  | 1521.3 | 1575.1 | 1637.0 | 1697.5 | 1776.8 | 1817.2 | 1862.9 | 1931.5 | 2012.2 | 2076.8 | 2134.6 |
| 15°    | 1499.8 | 1561.6 | 1631.6 | 1705.6 | 1805.1 | 1861.6 | 1927.5 | 2010.9 | 2101.0 | 2193.8 | 2273.2 |
| 17.5°  | 1466.1 | 1544.1 | 1622.2 | 1729.8 | 1846.8 | 1880.4 | 1936.9 | 2051.2 | 2162.9 | 2246.3 | 2343.1 |
| 20°    | 1432.5 | 1519.9 | 1618.1 | 1715.0 | 1841.4 | 1919.4 | 1971.9 | 2092.9 | 2212.7 | 2313.5 | 2406.3 |
| 22.5°  | 1401.6 | 1493.0 | 1595.3 | 1717.7 | 1836.0 | 1914.0 | 1980.0 | 2106.4 | 2244.9 | 2357.9 | 2472.3 |
| 25°    | 1363.9 | 1463.4 | 1576.4 | 1692.1 | 1836.0 | 1895.2 | 1967.8 | 2114.5 | 2261.1 | 2391.5 | 2532.8 |
| 27.5°  | 1323.6 | 1424.4 | 1536.1 | 1654.4 | 1786.3 | 1873.7 | 1945.0 | 2102.4 | 2281.2 | 2421.1 | 2566.4 |
| 30°    | 1283.2 | 1386.8 | 1494.4 | 1600.6 | 1748.6 | 1832.0 | 1914.0 | 2087.6 | 2292.0 | 2452.1 | 2563.7 |
| 32.5°  | 1244.2 | 1331.6 | 1437.9 | 1541.5 | 1688.1 | 1779.5 | 1872.3 | 2072.8 | 2296.0 | 2430.6 | 2484.4 |
| 35°    | 1190.4 | 1281.9 | 1367.9 | 1478.2 | 1626.2 | 1716.3 | 1825.3 | 2071.4 | 2278.6 | 2362.0 | 2335.1 |
| 37.5°  | 1140.6 | 1217.3 | 1299.3 | 1397.5 | 1549.5 | 1666.5 | 1779.5 | 2036.4 | 2220.7 | 2226.1 | 2074.1 |
| 40°    | 1085.5 | 1148.7 | 1217.3 | 1320.9 | 1485.0 | 1600.6 | 1723.0 | 1982.6 | 2115.8 | 2036.4 | 1768.8 |
| 42.5°  | 1022.3 | 1078.8 | 1132.6 | 1233.4 | 1412.3 | 1541.5 | 1673.3 | 1915.4 | 1963.8 | 1780.9 | 1502.5 |
| 45°    | 955.0  | 1000.7 | 1050.5 | 1156.8 | 1335.7 | 1463.4 | 1595.3 | 1811.8 | 1762.1 | 1503.8 | 1238.8 |
| 47.5°  | 885.1  | 924.1  | 972.5  | 1069.3 | 1253.6 | 1384.1 | 1509.2 | 1663.9 | 1537.4 | 1260.3 | 1038.4 |
| 50°    | 815.1  | 846.1  | 893.1  | 992.7  | 1170.2 | 1288.6 | 1404.3 | 1505.1 | 1327.6 | 1081.4 | 858.2  |
| 52.5°  | 746.5  | 770.7  | 819.2  | 903.9  | 1076.1 | 1189.0 | 1272.4 | 1311.4 | 1131.2 | 893.1  | 745.2  |
| 55°    | 673.9  | 700.8  | 733.1  | 819.2  | 990.0  | 1073.4 | 1128.5 | 1127.2 | 941.6  | 757.3  | 616.0  |
| 57.5°  | 603.9  | 628.2  | 656.4  | 742.5  | 881.0  | 937.5  | 984.6  | 961.7  | 785.5  | 620.1  | 528.6  |
| 60°    | 542.1  | 555.5  | 586.5  | 659.1  | 764.0  | 812.4  | 839.3  | 800.3  | 641.6  | 523.2  | 437.1  |
| 62.5°  | 474.8  | 488.3  | 513.8  | 582.4  | 647.0  | 672.5  | 695.4  | 645.6  | 530.0  | 426.4  | 373.9  |
| 65°    | 412.9  | 430.4  | 446.6  | 501.7  | 536.7  | 567.6  | 564.9  | 523.2  | 414.3  | 347.0  | 304.0  |
| 67.5°  | 359.1  | 365.9  | 379.3  | 412.9  | 429.1  | 451.9  | 453.3  | 406.2  | 333.6  | 282.5  | 256.9  |
| 70°    | 301.3  | 308.0  | 317.4  | 333.6  | 344.3  | 349.7  | 347.0  | 305.3  | 251.5  | 220.6  | 197.7  |
| 72.5°  | 251.5  | 250.2  | 256.9  | 256.9  | 267.7  | 266.3  | 258.3  | 226.0  | 191.0  | 165.4  | 152.0  |
| 75°    | 197.7  | 199.1  | 200.4  | 197.7  | 193.7  | 188.3  | 181.6  | 157.4  | 134.5  | 122.4  | 110.3  |
| 77.5°  | 154.7  | 152.0  | 153.3  | 143.9  | 138.5  | 133.2  | 123.7  | 111.6  | 92.8   | 90.1   | 84.7   |
| 80°    | 110.3  | 109.0  | 107.6  | 103.6  | 91.5   | 86.1   | 79.4   | 72.6   | 68.6   | 65.9   | 64.6   |
| 82.5°  | 74.0   | 74.0   | 71.3   | 63.2   | 56.5   | 52.5   | 51.1   | 48.4   | 44.4   | 44.4   | 43.0   |
| 85°    | 44.4   | 43.0   | 40.4   | 32.3   | 28.2   | 28.2   | 28.2   | 28.2   | 25.6   | 25.6   | 24.2   |
| 87.5°  | 17.5   | 16.1   | 12.1   | 12.1   | 10.8   | 10.8   | 10.8   | 9.4    | 9.4    | 8.1    | 8.1    |
| 90°    | 0.4    | 1.2    | 2.0    | 2.7    | 3.5    | 3.9    | 4.4    | 5.4    | 6.5    | 7.5    | 8.5    |
| 92.5°  | 8.1    | 7.6    | 7.2    | 6.7    | 6.2    | 6.0    | 6.4    | 7.1    | 7.8    | 8.5    | 9.2    |
| 95°    | 21.6   | 18.4   | 15.2   | 11.9   | 8.7    | 7.1    | 7.5    | 8.4    | 9.3    | 10.1   | 11.0   |
| 97.5°  | 39.2   | 37.0   | 34.8   | 32.6   | 30.4   | 29.3   | 27.3   | 23.3   | 19.3   | 15.3   | 11.3   |
| 100°   | 59.7   | 61.3   | 62.9   | 64.4   | 66.0   | 66.8   | 60.7   | 48.4   | 36.2   | 23.9   | 11.7   |
| 102.5° | 83.0   | 84.0   | 85.0   | 86.1   | 87.1   | 87.6   | 80.8   | 67.1   | 53.4   | 39.8   | 26.1   |
| 105°   | 105.3  | 106.2  | 107.0  | 107.9  | 108.8  | 109.2  | 105.7  | 98.6   | 91.5   | 84.5   | 77.4   |
| 107.5° | 129.0  | 129.7  | 130.4  | 131.1  | 131.8  | 132.2  | 132.8  | 134.0  | 135.1  | 136.3  | 137.5  |
| 110°   | 152.7  | 153.3  | 153.9  | 154.6  | 155.2  | 155.5  | 155.9  | 156.8  | 157.7  | 158.5  | 159.4  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.3 | 175.8 | 176.4 | 176.9 | 177.4 | 177.7 | 178.1 | 179.0 | 179.9 | 180.7 | 181.6 |
| 115°   | 197.5 | 198.0 | 198.5 | 199.0 | 199.5 | 199.7 | 200.0 | 200.7 | 201.4 | 202.1 | 202.8 |
| 117.5° | 219.4 | 220.0 | 220.5 | 221.1 | 221.6 | 221.9 | 222.1 | 222.5 | 222.9 | 223.3 | 223.7 |
| 120°   | 239.6 | 240.3 | 241.0 | 241.7 | 242.4 | 242.8 | 242.9 | 243.1 | 243.4 | 243.6 | 243.8 |
| 122.5° | 260.1 | 260.7 | 261.2 | 261.8 | 262.3 | 262.6 | 262.8 | 263.1 | 263.4 | 263.7 | 264.0 |
| 125°   | 278.5 | 279.1 | 279.7 | 280.4 | 281.0 | 281.3 | 281.5 | 281.8 | 282.1 | 282.4 | 282.7 |
| 127.5° | 296.8 | 297.4 | 298.1 | 298.7 | 299.4 | 299.7 | 299.9 | 300.3 | 300.6 | 301.0 | 301.4 |
| 130°   | 313.8 | 314.4 | 315.0 | 315.7 | 316.3 | 316.6 | 316.8 | 317.1 | 317.4 | 317.7 | 318.0 |
| 132.5° | 330.1 | 330.7 | 331.3 | 332.0 | 332.6 | 332.9 | 333.0 | 333.2 | 333.5 | 333.7 | 333.9 |
| 135°   | 346.7 | 347.2 | 347.6 | 348.1 | 348.6 | 348.8 | 349.0 | 349.3 | 349.6 | 349.9 | 350.2 |
| 137.5° | 360.8 | 361.4 | 362.0 | 362.7 | 363.3 | 363.6 | 363.7 | 363.8 | 364.0 | 364.1 | 364.3 |
| 140°   | 374.9 | 375.4 | 375.9 | 376.4 | 376.9 | 377.1 | 377.2 | 377.4 | 377.7 | 377.9 | 378.1 |
| 142.5° | 388.0 | 388.5 | 388.9 | 389.4 | 389.9 | 390.1 | 390.2 | 390.5 | 390.7 | 391.0 | 391.2 |
| 145°   | 400.0 | 400.6 | 401.1 | 401.7 | 402.2 | 402.5 | 402.6 | 402.7 | 402.9 | 403.0 | 403.2 |
| 147.5° | 411.7 | 412.1 | 412.5 | 412.9 | 413.3 | 413.5 | 413.6 | 413.7 | 413.9 | 414.0 | 414.2 |
| 150°   | 422.3 | 422.5 | 422.7 | 423.0 | 423.2 | 423.3 | 423.4 | 423.6 | 423.7 | 423.9 | 424.1 |
| 152.5° | 431.8 | 431.9 | 432.0 | 432.1 | 432.2 | 432.2 | 432.2 | 432.3 | 432.4 | 432.4 | 432.5 |
| 155°   | 440.7 | 440.5 | 440.4 | 440.2 | 440.1 | 440.0 | 440.0 | 440.1 | 440.2 | 440.2 | 440.3 |
| 157.5° | 447.7 | 447.7 | 447.7 | 447.7 | 447.7 | 447.7 | 447.7 | 447.6 | 447.5 | 447.5 | 447.4 |
| 160°   | 454.1 | 454.0 | 453.9 | 453.8 | 453.7 | 453.7 | 453.7 | 453.6 | 453.5 | 453.5 | 453.4 |
| 162.5° | 460.1 | 459.9 | 459.6 | 459.4 | 459.1 | 459.0 | 459.0 | 458.9 | 458.8 | 458.8 | 458.7 |
| 165°   | 464.7 | 464.5 | 464.2 | 464.0 | 463.7 | 463.6 | 463.6 | 463.5 | 463.4 | 463.4 | 463.3 |
| 167.5° | 468.6 | 468.3 | 468.0 | 467.7 | 467.4 | 467.2 | 467.2 | 467.2 | 467.2 | 467.2 | 467.2 |
| 170°   | 471.8 | 471.5 | 471.1 | 470.8 | 470.5 | 470.3 | 470.3 | 470.3 | 470.3 | 470.3 | 470.3 |
| 172.5° | 473.9 | 473.5 | 473.1 | 472.7 | 472.3 | 472.1 | 472.1 | 472.2 | 472.3 | 472.4 | 472.5 |
| 175°   | 475.6 | 475.2 | 474.8 | 474.5 | 474.1 | 473.9 | 473.9 | 474.0 | 474.1 | 474.1 | 474.2 |
| 177.5° | 476.4 | 476.0 | 475.6 | 475.2 | 474.8 | 474.6 | 474.6 | 474.7 | 474.8 | 474.8 | 474.9 |
| 180°   | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 |
| 2.5°   | 1658.5 | 1658.5 | 1670.6 | 1682.7 | 1676.0 | 1680.0 | 1694.8 | 1689.4 | 1700.2 | 1698.8 | 1702.9 |
| 5°     | 1783.6 | 1798.4 | 1810.5 | 1836.0 | 1840.1 | 1836.0 | 1861.6 | 1868.3 | 1880.4 | 1865.6 | 1872.3 |
| 7.5°   | 1924.8 | 1955.7 | 1985.3 | 2023.0 | 2035.1 | 2037.8 | 2051.2 | 2070.1 | 2086.2 | 2056.6 | 2071.4 |
| 10°    | 2062.0 | 2109.1 | 2169.6 | 2203.2 | 2232.8 | 2243.6 | 2254.3 | 2266.5 | 2285.3 | 2302.8 | 2289.3 |
| 12.5°  | 2210.0 | 2278.6 | 2336.4 | 2396.9 | 2433.2 | 2429.2 | 2460.1 | 2468.2 | 2483.0 | 2487.0 | 2492.4 |
| 15°    | 2331.0 | 2427.9 | 2464.2 | 2554.3 | 2562.4 | 2589.3 | 2624.2 | 2655.2 | 2659.2 | 2651.1 | 2651.1 |
| 17.5°  | 2446.7 | 2530.1 | 2594.7 | 2667.3 | 2682.1 | 2704.9 | 2749.3 | 2764.1 | 2769.5 | 2768.2 | 2768.2 |
| 20°    | 2540.8 | 2596.0 | 2704.9 | 2765.5 | 2789.7 | 2819.3 | 2850.2 | 2869.0 | 2873.1 | 2878.5 | 2870.4 |
| 22.5°  | 2602.7 | 2686.1 | 2774.9 | 2824.7 | 2844.8 | 2855.6 | 2875.8 | 2881.2 | 2874.4 | 2875.8 | 2877.1 |
| 25°    | 2651.1 | 2733.2 | 2787.0 | 2800.4 | 2799.1 | 2785.7 | 2770.9 | 2745.3 | 2742.6 | 2731.9 | 2710.3 |
| 27.5°  | 2664.6 | 2695.5 | 2688.8 | 2633.7 | 2578.5 | 2573.1 | 2484.4 | 2435.9 | 2380.8 | 2388.9 | 2357.9 |
| 30°    | 2592.0 | 2551.6 | 2456.1 | 2316.2 | 2258.4 | 2164.2 | 2064.7 | 1961.1 | 1920.8 | 1876.4 | 1958.4 |
| 32.5°  | 2414.4 | 2270.5 | 2101.0 | 1919.4 | 1822.6 | 1739.2 | 1632.9 | 1557.6 | 1514.6 | 1478.2 | 1548.2 |
| 35°    | 2146.7 | 1922.1 | 1697.5 | 1525.3 | 1446.0 | 1370.6 | 1271.1 | 1233.4 | 1179.6 | 1185.0 | 1191.7 |
| 37.5°  | 1802.4 | 1554.9 | 1385.4 | 1215.9 | 1163.5 | 1132.6 | 1059.9 | 1002.1 | 983.3  | 977.9  | 977.9  |
| 40°    | 1479.6 | 1276.5 | 1125.8 | 992.7  | 952.3  | 926.8  | 868.9  | 842.0  | 821.8  | 816.5  | 823.2  |
| 42.5°  | 1224.0 | 1050.5 | 933.5  | 844.7  | 816.5  | 784.2  | 760.0  | 726.3  | 722.3  | 712.9  | 725.0  |
| 45°    | 1027.6 | 877.0  | 789.6  | 725.0  | 700.8  | 688.7  | 661.8  | 641.6  | 633.5  | 632.2  | 641.6  |
| 47.5°  | 871.6  | 754.6  | 677.9  | 637.6  | 618.7  | 606.6  | 583.8  | 575.7  | 567.6  | 570.3  | 566.3  |
| 50°    | 731.7  | 644.3  | 594.5  | 558.2  | 546.1  | 534.0  | 519.2  | 511.1  | 507.1  | 507.1  | 505.7  |
| 52.5°  | 628.2  | 555.5  | 523.2  | 489.6  | 484.2  | 477.5  | 461.4  | 456.0  | 449.3  | 447.9  | 453.3  |
| 55°    | 538.0  | 488.3  | 456.0  | 435.8  | 430.4  | 417.0  | 410.2  | 403.5  | 399.5  | 396.8  | 398.1  |
| 57.5°  | 460.0  | 422.4  | 400.8  | 383.3  | 373.9  | 368.6  | 356.4  | 355.1  | 352.4  | 352.4  | 351.1  |
| 60°    | 395.5  | 368.6  | 343.0  | 332.2  | 325.5  | 318.8  | 317.4  | 309.4  | 305.3  | 308.0  | 306.7  |
| 62.5°  | 334.9  | 313.4  | 298.6  | 286.5  | 282.5  | 277.1  | 273.1  | 270.4  | 266.3  | 267.7  | 267.7  |
| 65°    | 279.8  | 262.3  | 251.5  | 240.8  | 239.4  | 234.0  | 232.7  | 230.0  | 230.0  | 228.7  | 231.4  |
| 67.5°  | 230.0  | 217.9  | 208.5  | 201.8  | 197.7  | 199.1  | 193.7  | 189.7  | 189.7  | 188.3  | 192.3  |
| 70°    | 182.9  | 176.2  | 166.8  | 158.7  | 153.3  | 153.3  | 146.6  | 145.3  | 145.3  | 145.3  | 143.9  |
| 72.5°  | 141.2  | 129.1  | 125.1  | 122.4  | 122.4  | 122.4  | 119.7  | 119.7  | 118.4  | 119.7  | 118.4  |
| 75°    | 104.9  | 103.6  | 100.9  | 99.5   | 99.5   | 98.2   | 96.8   | 96.8   | 96.8   | 96.8   | 96.8   |
| 77.5°  | 82.0   | 82.0   | 79.4   | 78.0   | 78.0   | 78.0   | 76.7   | 76.7   | 75.3   | 75.3   | 75.3   |
| 80°    | 60.5   | 60.5   | 57.8   | 57.8   | 57.8   | 56.5   | 56.5   | 56.5   | 57.8   | 56.5   | 56.5   |
| 82.5°  | 41.7   | 41.7   | 40.4   | 41.7   | 40.4   | 39.0   | 39.0   | 39.0   | 37.7   | 39.0   | 39.0   |
| 85°    | 24.2   | 24.2   | 22.9   | 21.5   | 22.9   | 22.9   | 21.5   | 22.9   | 21.5   | 22.9   | 21.5   |
| 87.5°  | 9.4    | 8.1    | 8.1    | 8.1    | 6.7    | 8.1    | 6.7    | 6.7    | 8.1    | 6.7    | 8.1    |
| 90°    | 8.8    | 9.1    | 9.4    | 9.7    | 9.9    | 10.0   | 10.1   | 10.3   | 10.4   | 10.6   | 10.4   |
| 92.5°  | 9.8    | 10.3   | 10.9   | 11.4   | 11.7   | 11.7   | 11.8   | 11.9   | 11.9   | 12.0   | 11.9   |
| 95°    | 11.5   | 12.1   | 12.6   | 13.1   | 13.4   | 13.4   | 13.4   | 13.4   | 13.4   | 13.4   | 13.4   |
| 97.5°  | 11.9   | 12.5   | 13.2   | 13.8   | 14.1   | 14.1   | 14.2   | 14.3   | 14.4   | 14.5   | 14.4   |
| 100°   | 12.3   | 12.9   | 13.6   | 14.2   | 14.5   | 14.5   | 14.6   | 14.7   | 14.7   | 14.8   | 14.7   |
| 102.5° | 23.5   | 20.9   | 18.4   | 15.8   | 14.5   | 14.6   | 14.7   | 14.9   | 15.0   | 15.2   | 15.0   |
| 105°   | 63.5   | 49.6   | 35.7   | 21.8   | 14.8   | 14.9   | 15.0   | 15.2   | 15.3   | 15.5   | 15.3   |
| 107.5° | 125.4  | 113.3  | 101.2  | 89.1   | 83.0   | 77.9   | 67.6   | 57.3   | 47.1   | 36.8   | 47.1   |
| 110°   | 156.8  | 154.2  | 151.6  | 149.0  | 147.7  | 142.1  | 130.9  | 119.6  | 108.4  | 97.2   | 108.4  |



TEST NUMBER: P1010792

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 182.3 | 183.0 | 183.7 | 184.4 | 184.8 | 184.7 | 184.6 | 184.4 | 184.3 | 184.1 | 184.3 |
| 115°   | 203.6 | 204.4 | 205.2 | 206.0 | 206.4 | 206.6 | 206.9 | 207.2 | 207.5 | 207.8 | 207.5 |
| 117.5° | 224.3 | 224.9 | 225.6 | 226.2 | 226.5 | 226.5 | 226.6 | 226.7 | 226.8 | 226.9 | 226.8 |
| 120°   | 244.4 | 245.1 | 245.7 | 246.4 | 246.7 | 246.7 | 246.7 | 246.7 | 246.7 | 246.7 | 246.7 |
| 122.5° | 264.4 | 264.8 | 265.1 | 265.5 | 265.7 | 265.7 | 265.8 | 265.9 | 266.0 | 266.1 | 266.0 |
| 125°   | 282.9 | 283.0 | 283.2 | 283.3 | 283.4 | 283.5 | 283.6 | 283.8 | 283.9 | 284.1 | 283.9 |
| 127.5° | 301.6 | 301.9 | 302.1 | 302.4 | 302.5 | 302.4 | 302.3 | 302.1 | 302.0 | 301.8 | 302.0 |
| 130°   | 318.3 | 318.7 | 319.0 | 319.3 | 319.5 | 319.4 | 319.2 | 319.1 | 318.9 | 318.7 | 318.9 |
| 132.5° | 334.2 | 334.6 | 334.9 | 335.2 | 335.4 | 335.3 | 335.0 | 334.8 | 334.5 | 334.3 | 334.5 |
| 135°   | 350.4 | 350.7 | 350.9 | 351.2 | 351.3 | 351.2 | 350.9 | 350.7 | 350.4 | 350.2 | 350.4 |
| 137.5° | 364.7 | 365.1 | 365.5 | 365.9 | 366.1 | 366.0 | 365.9 | 365.7 | 365.6 | 365.4 | 365.6 |
| 140°   | 378.4 | 378.7 | 379.0 | 379.3 | 379.5 | 379.4 | 379.3 | 379.1 | 379.0 | 378.8 | 379.0 |
| 142.5° | 391.4 | 391.6 | 391.9 | 392.1 | 392.2 | 392.1 | 391.9 | 391.6 | 391.4 | 391.2 | 391.4 |
| 145°   | 403.4 | 403.5 | 403.7 | 403.8 | 403.9 | 403.9 | 403.9 | 403.9 | 403.9 | 403.9 | 403.9 |
| 147.5° | 414.4 | 414.5 | 414.7 | 414.8 | 414.9 | 414.7 | 414.3 | 413.9 | 413.5 | 413.1 | 413.5 |
| 150°   | 424.3 | 424.4 | 424.6 | 424.7 | 424.8 | 424.7 | 424.4 | 424.2 | 423.9 | 423.7 | 423.9 |
| 152.5° | 432.8 | 433.1 | 433.4 | 433.7 | 433.9 | 433.7 | 433.3 | 433.0 | 432.6 | 432.2 | 432.6 |
| 155°   | 440.7 | 441.1 | 441.5 | 441.9 | 442.1 | 441.9 | 441.4 | 440.9 | 440.5 | 440.0 | 440.5 |
| 157.5° | 447.9 | 448.3 | 448.8 | 449.3 | 449.5 | 449.2 | 448.6 | 447.9 | 447.3 | 446.7 | 447.3 |
| 160°   | 453.9 | 454.3 | 454.8 | 455.3 | 455.5 | 455.2 | 454.7 | 454.1 | 453.6 | 453.0 | 453.6 |
| 162.5° | 459.3 | 459.8 | 460.4 | 460.9 | 461.2 | 461.0 | 460.5 | 460.0 | 459.5 | 459.0 | 459.5 |
| 165°   | 463.9 | 464.5 | 465.2 | 465.8 | 466.1 | 465.8 | 465.3 | 464.7 | 464.2 | 463.6 | 464.2 |
| 167.5° | 467.8 | 468.4 | 469.1 | 469.7 | 470.0 | 469.7 | 469.1 | 468.4 | 467.8 | 467.2 | 467.8 |
| 170°   | 470.9 | 471.6 | 472.2 | 472.9 | 473.2 | 472.9 | 472.2 | 471.6 | 470.9 | 470.3 | 470.9 |
| 172.5° | 473.1 | 473.7 | 474.4 | 475.0 | 475.3 | 474.9 | 474.2 | 473.5 | 472.8 | 472.1 | 472.8 |
| 175°   | 474.8 | 475.3 | 475.9 | 476.4 | 476.7 | 476.4 | 475.8 | 475.1 | 474.5 | 473.9 | 474.5 |
| 177.5° | 475.5 | 476.2 | 476.8 | 477.5 | 477.8 | 477.4 | 476.6 | 475.8 | 475.0 | 474.2 | 475.0 |
| 180°   | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 |

TEST NUMBER: P1010792

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 |
| 2.5°   | 1696.1 | 1688.1 | 1682.7 | 1678.7 | 1674.6 | 1686.7 | 1670.6 | 1653.1 | 1641.0 | 1632.9 | 1630.2 |
| 5°     | 1873.7 | 1856.2 | 1841.4 | 1829.3 | 1832.0 | 1832.0 | 1803.7 | 1772.8 | 1745.9 | 1731.1 | 1715.0 |
| 7.5°   | 2079.5 | 2060.7 | 2031.1 | 2024.3 | 2019.0 | 1985.3 | 1957.1 | 1900.6 | 1867.0 | 1833.3 | 1803.7 |
| 10°    | 2283.9 | 2259.7 | 2231.5 | 2222.1 | 2208.6 | 2166.9 | 2123.9 | 2051.2 | 2009.5 | 1947.7 | 1908.7 |
| 12.5°  | 2474.9 | 2445.3 | 2417.1 | 2410.4 | 2390.2 | 2353.9 | 2279.9 | 2204.6 | 2133.3 | 2067.4 | 1998.8 |
| 15°    | 2635.0 | 2626.9 | 2583.9 | 2557.0 | 2512.6 | 2462.8 | 2446.7 | 2344.5 | 2254.3 | 2185.7 | 2062.0 |
| 17.5°  | 2769.5 | 2731.9 | 2691.5 | 2674.0 | 2656.5 | 2598.7 | 2540.8 | 2435.9 | 2339.1 | 2238.2 | 2158.8 |
| 20°    | 2877.1 | 2835.4 | 2807.2 | 2781.6 | 2773.5 | 2707.6 | 2616.2 | 2523.4 | 2417.1 | 2304.1 | 2200.5 |
| 22.5°  | 2882.5 | 2877.1 | 2858.3 | 2843.5 | 2827.4 | 2784.3 | 2711.7 | 2596.0 | 2483.0 | 2359.3 | 2223.4 |
| 25°    | 2770.9 | 2762.8 | 2816.6 | 2803.1 | 2813.9 | 2797.8 | 2758.8 | 2661.9 | 2530.1 | 2384.8 | 2247.6 |
| 27.5°  | 2434.6 | 2516.6 | 2601.4 | 2631.0 | 2651.1 | 2709.0 | 2727.8 | 2674.0 | 2567.8 | 2413.1 | 2259.7 |
| 30°    | 1977.3 | 2086.2 | 2223.4 | 2297.4 | 2353.9 | 2461.5 | 2601.4 | 2618.9 | 2569.1 | 2445.3 | 2257.0 |
| 32.5°  | 1552.2 | 1651.8 | 1762.1 | 1849.5 | 1924.8 | 2145.4 | 2333.7 | 2469.6 | 2493.8 | 2429.2 | 2263.8 |
| 35°    | 1250.9 | 1294.0 | 1398.9 | 1482.3 | 1584.5 | 1772.8 | 1994.7 | 2214.0 | 2362.0 | 2370.0 | 2243.6 |
| 37.5°  | 1031.7 | 1054.5 | 1146.0 | 1193.1 | 1253.6 | 1419.1 | 1626.2 | 1912.7 | 2142.7 | 2251.7 | 2187.1 |
| 40°    | 854.1  | 906.6  | 959.0  | 985.9  | 1029.0 | 1143.3 | 1342.4 | 1567.0 | 1852.2 | 2053.9 | 2099.7 |
| 42.5°  | 741.1  | 764.0  | 797.6  | 835.3  | 862.2  | 961.7  | 1094.9 | 1300.7 | 1557.6 | 1838.7 | 1965.2 |
| 45°    | 653.7  | 661.8  | 696.7  | 721.0  | 749.2  | 819.2  | 913.3  | 1085.5 | 1311.4 | 1588.5 | 1803.7 |
| 47.5°  | 581.1  | 597.2  | 616.0  | 630.8  | 649.7  | 703.5  | 784.2  | 909.3  | 1108.3 | 1355.8 | 1587.2 |
| 50°    | 516.5  | 525.9  | 550.1  | 556.9  | 570.3  | 608.0  | 669.8  | 765.3  | 929.4  | 1127.2 | 1366.6 |
| 52.5°  | 456.0  | 473.5  | 482.9  | 492.3  | 504.4  | 535.3  | 575.7  | 653.7  | 777.5  | 963.1  | 1166.2 |
| 55°    | 408.9  | 414.3  | 427.7  | 435.8  | 445.2  | 466.7  | 501.7  | 559.6  | 656.4  | 804.4  | 996.7  |
| 57.5°  | 363.2  | 363.2  | 376.6  | 383.3  | 392.8  | 408.9  | 439.8  | 484.2  | 554.2  | 664.5  | 840.7  |
| 60°    | 314.7  | 316.1  | 326.9  | 334.9  | 337.6  | 353.8  | 379.3  | 414.3  | 468.1  | 548.8  | 692.7  |
| 62.5°  | 271.7  | 278.4  | 283.8  | 286.5  | 295.9  | 305.3  | 326.9  | 351.1  | 388.7  | 460.0  | 562.2  |
| 65°    | 235.4  | 236.7  | 240.8  | 243.5  | 247.5  | 258.3  | 274.4  | 290.5  | 322.8  | 375.3  | 458.7  |
| 67.5°  | 193.7  | 199.1  | 204.5  | 204.5  | 208.5  | 213.9  | 230.0  | 243.5  | 267.7  | 298.6  | 355.1  |
| 70°    | 145.3  | 148.0  | 156.0  | 160.1  | 165.4  | 174.9  | 182.9  | 191.0  | 209.8  | 232.7  | 275.7  |
| 72.5°  | 121.1  | 121.1  | 123.7  | 125.1  | 125.1  | 131.8  | 143.9  | 152.0  | 161.4  | 177.6  | 207.1  |
| 75°    | 96.8   | 96.8   | 100.9  | 99.5   | 102.2  | 104.9  | 106.3  | 111.6  | 117.0  | 129.1  | 146.6  |
| 77.5°  | 76.7   | 78.0   | 78.0   | 79.4   | 79.4   | 80.7   | 82.0   | 84.7   | 87.4   | 94.2   | 102.2  |
| 80°    | 56.5   | 57.8   | 57.8   | 59.2   | 59.2   | 60.5   | 61.9   | 63.2   | 65.9   | 68.6   | 72.6   |
| 82.5°  | 39.0   | 40.4   | 40.4   | 41.7   | 40.4   | 41.7   | 43.0   | 43.0   | 44.4   | 47.1   | 48.4   |
| 85°    | 22.9   | 22.9   | 24.2   | 22.9   | 22.9   | 22.9   | 24.2   | 24.2   | 25.6   | 29.6   | 29.6   |
| 87.5°  | 6.7    | 8.1    | 6.7    | 8.1    | 8.1    | 8.1    | 8.1    | 9.4    | 9.4    | 10.8   | 12.1   |
| 90°    | 10.3   | 10.1   | 10.0   | 9.9    | 9.7    | 9.4    | 9.1    | 8.8    | 8.5    | 7.5    | 6.5    |
| 92.5°  | 11.9   | 11.8   | 11.7   | 11.7   | 11.4   | 10.9   | 10.3   | 9.8    | 9.2    | 8.5    | 7.8    |
| 95°    | 13.4   | 13.4   | 13.4   | 13.4   | 13.1   | 12.6   | 12.1   | 11.5   | 11.0   | 10.1   | 9.3    |
| 97.5°  | 14.3   | 14.2   | 14.1   | 14.1   | 13.8   | 13.2   | 12.5   | 11.9   | 11.3   | 15.3   | 19.3   |
| 100°   | 14.7   | 14.6   | 14.5   | 14.5   | 14.2   | 13.6   | 12.9   | 12.3   | 11.7   | 23.9   | 36.2   |
| 102.5° | 14.9   | 14.7   | 14.6   | 14.5   | 15.8   | 18.4   | 20.9   | 23.5   | 26.1   | 39.8   | 53.4   |
| 105°   | 15.2   | 15.0   | 14.9   | 14.8   | 21.8   | 35.7   | 49.6   | 63.5   | 77.4   | 84.5   | 91.5   |
| 107.5° | 57.3   | 67.6   | 77.9   | 83.0   | 89.1   | 101.2  | 113.3  | 125.4  | 137.5  | 136.3  | 135.1  |
| 110°   | 119.6  | 130.9  | 142.1  | 147.7  | 149.0  | 151.6  | 154.2  | 156.8  | 159.4  | 158.5  | 157.7  |

TEST NUMBER: P1010792

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 184.4 | 184.6 | 184.7 | 184.8  | 184.4 | 183.7 | 183.0 | 182.3 | 181.6 | 180.7 | 179.9 |
| 115°   | 207.2 | 206.9 | 206.6 | 206.4  | 206.0 | 205.2 | 204.4 | 203.6 | 202.8 | 202.1 | 201.4 |
| 117.5° | 226.7 | 226.6 | 226.5 | 226.5  | 226.2 | 225.6 | 224.9 | 224.3 | 223.7 | 223.3 | 222.9 |
| 120°   | 246.7 | 246.7 | 246.7 | 246.7  | 246.4 | 245.7 | 245.1 | 244.4 | 243.8 | 243.6 | 243.4 |
| 122.5° | 265.9 | 265.8 | 265.7 | 265.7  | 265.5 | 265.1 | 264.8 | 264.4 | 264.0 | 263.7 | 263.4 |
| 125°   | 283.8 | 283.6 | 283.5 | 283.4  | 283.3 | 283.2 | 283.0 | 282.9 | 282.7 | 282.4 | 282.1 |
| 127.5° | 302.1 | 302.3 | 302.4 | 302.5  | 302.4 | 302.1 | 301.9 | 301.6 | 301.4 | 301.0 | 300.6 |
| 130°   | 319.1 | 319.2 | 319.4 | 319.5  | 319.3 | 319.0 | 318.7 | 318.3 | 318.0 | 317.7 | 317.4 |
| 132.5° | 334.8 | 335.0 | 335.3 | 335.4  | 335.2 | 334.9 | 334.6 | 334.2 | 333.9 | 333.7 | 333.5 |
| 135°   | 350.7 | 350.9 | 351.2 | 351.3  | 351.2 | 350.9 | 350.7 | 350.4 | 350.2 | 349.9 | 349.6 |
| 137.5° | 365.7 | 365.9 | 366.0 | 366.1  | 365.9 | 365.5 | 365.1 | 364.7 | 364.3 | 364.1 | 364.0 |
| 140°   | 379.1 | 379.3 | 379.4 | 379.5  | 379.3 | 379.0 | 378.7 | 378.4 | 378.1 | 377.9 | 377.7 |
| 142.5° | 391.6 | 391.9 | 392.1 | 392.2  | 392.1 | 391.9 | 391.6 | 391.4 | 391.2 | 391.0 | 390.7 |
| 145°   | 403.9 | 403.9 | 403.9 | 403.9  | 403.8 | 403.7 | 403.5 | 403.4 | 403.2 | 403.0 | 402.9 |
| 147.5° | 413.9 | 414.3 | 414.7 | 414.9  | 414.8 | 414.7 | 414.5 | 414.4 | 414.2 | 414.0 | 413.9 |
| 150°   | 424.2 | 424.4 | 424.7 | 424.8  | 424.7 | 424.6 | 424.4 | 424.3 | 424.1 | 423.9 | 423.7 |
| 152.5° | 433.0 | 433.3 | 433.7 | 433.9  | 433.7 | 433.4 | 433.1 | 432.8 | 432.5 | 432.4 | 432.4 |
| 155°   | 440.9 | 441.4 | 441.9 | 442.1  | 441.9 | 441.5 | 441.1 | 440.7 | 440.3 | 440.2 | 440.2 |
| 157.5° | 447.9 | 448.6 | 449.2 | 449.5  | 449.3 | 448.8 | 448.3 | 447.9 | 447.4 | 447.5 | 447.5 |
| 160°   | 454.1 | 454.7 | 455.2 | 455.5  | 455.3 | 454.8 | 454.3 | 453.9 | 453.4 | 453.5 | 453.5 |
| 162.5° | 460.0 | 460.5 | 461.0 | 461.2  | 460.9 | 460.4 | 459.8 | 459.3 | 458.7 | 458.8 | 458.8 |
| 165°   | 464.7 | 465.3 | 465.8 | 466.1  | 465.8 | 465.2 | 464.5 | 463.9 | 463.3 | 463.4 | 463.4 |
| 167.5° | 468.4 | 469.1 | 469.7 | 470.0  | 469.7 | 469.1 | 468.4 | 467.8 | 467.2 | 467.2 | 467.2 |
| 170°   | 471.6 | 472.2 | 472.9 | 473.2  | 472.9 | 472.2 | 471.6 | 470.9 | 470.3 | 470.3 | 470.3 |
| 172.5° | 473.5 | 474.2 | 474.9 | 475.3  | 475.0 | 474.4 | 473.7 | 473.1 | 472.5 | 472.4 | 472.3 |
| 175°   | 475.1 | 475.8 | 476.4 | 476.7  | 476.4 | 475.9 | 475.3 | 474.8 | 474.2 | 474.1 | 474.1 |
| 177.5° | 475.8 | 476.6 | 477.4 | 477.8  | 477.5 | 476.8 | 476.2 | 475.5 | 474.9 | 474.8 | 474.8 |
| 180°   | 475.6 | 475.6 | 475.6 | 475.6  | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 |

TEST NUMBER: P1010792

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 |
| 2.5°   | 1626.2 | 1619.5 | 1612.7 | 1612.7 | 1598.0 | 1584.5 | 1577.8 | 1580.5 | 1572.4 | 1561.6 | 1550.9 |
| 5°     | 1697.5 | 1670.6 | 1665.2 | 1650.4 | 1630.2 | 1602.0 | 1587.2 | 1573.7 | 1557.6 | 1536.1 | 1515.9 |
| 7.5°   | 1763.4 | 1728.4 | 1709.6 | 1694.8 | 1655.8 | 1616.8 | 1584.5 | 1563.0 | 1534.7 | 1502.5 | 1478.2 |
| 10°    | 1849.5 | 1784.9 | 1764.7 | 1731.1 | 1676.0 | 1620.8 | 1583.2 | 1548.2 | 1509.2 | 1471.5 | 1439.2 |
| 12.5°  | 1918.1 | 1844.1 | 1806.4 | 1772.8 | 1701.5 | 1631.6 | 1568.4 | 1525.3 | 1478.2 | 1436.5 | 1394.8 |
| 15°    | 1996.1 | 1912.7 | 1846.8 | 1806.4 | 1716.3 | 1631.6 | 1560.3 | 1499.8 | 1447.3 | 1396.2 | 1359.9 |
| 17.5°  | 2033.8 | 1928.8 | 1899.2 | 1841.4 | 1710.9 | 1626.2 | 1538.8 | 1474.2 | 1411.0 | 1351.8 | 1308.8 |
| 20°    | 2092.9 | 1970.5 | 1896.6 | 1857.6 | 1741.9 | 1616.8 | 1514.6 | 1440.6 | 1374.7 | 1311.4 | 1265.7 |
| 22.5°  | 2097.0 | 1963.8 | 1915.4 | 1841.4 | 1698.8 | 1588.5 | 1493.0 | 1402.9 | 1326.2 | 1267.1 | 1220.0 |
| 25°    | 2087.6 | 1951.7 | 1884.5 | 1825.3 | 1706.9 | 1572.4 | 1450.0 | 1361.2 | 1285.9 | 1217.3 | 1162.1 |
| 27.5°  | 2083.5 | 1916.7 | 1853.5 | 1794.3 | 1661.2 | 1525.3 | 1424.4 | 1323.6 | 1237.5 | 1176.9 | 1120.4 |
| 30°    | 2078.1 | 1879.1 | 1802.4 | 1733.8 | 1611.4 | 1489.0 | 1367.9 | 1280.5 | 1198.5 | 1121.8 | 1065.3 |
| 32.5°  | 2043.2 | 1828.0 | 1749.9 | 1677.3 | 1545.5 | 1423.1 | 1327.6 | 1234.8 | 1146.0 | 1074.7 | 1023.6 |
| 35°    | 2032.4 | 1780.9 | 1678.7 | 1600.6 | 1471.5 | 1362.6 | 1261.7 | 1185.0 | 1101.6 | 1030.3 | 969.8  |
| 37.5°  | 2001.5 | 1732.5 | 1622.2 | 1522.6 | 1388.1 | 1284.5 | 1210.6 | 1133.9 | 1053.2 | 976.5  | 928.1  |
| 40°    | 1947.7 | 1676.0 | 1550.9 | 1448.6 | 1310.1 | 1205.2 | 1136.6 | 1080.1 | 1000.7 | 932.1  | 873.0  |
| 42.5°  | 1868.3 | 1618.1 | 1483.6 | 1376.0 | 1222.7 | 1124.5 | 1068.0 | 1014.2 | 946.9  | 875.6  | 827.2  |
| 45°    | 1776.8 | 1541.5 | 1416.4 | 1296.7 | 1140.6 | 1045.1 | 985.9  | 953.7  | 891.8  | 831.3  | 774.8  |
| 47.5°  | 1651.8 | 1462.1 | 1338.4 | 1214.6 | 1055.9 | 963.1  | 916.0  | 883.7  | 840.7  | 774.8  | 729.0  |
| 50°    | 1494.4 | 1359.9 | 1242.9 | 1132.6 | 972.5  | 883.7  | 836.6  | 812.4  | 776.1  | 729.0  | 684.6  |
| 52.5°  | 1319.5 | 1241.5 | 1144.7 | 1042.4 | 887.8  | 804.4  | 761.3  | 742.5  | 715.6  | 671.2  | 633.5  |
| 55°    | 1143.3 | 1109.7 | 1043.8 | 942.9  | 799.0  | 730.4  | 692.7  | 668.5  | 648.3  | 616.0  | 583.8  |
| 57.5°  | 985.9  | 969.8  | 924.1  | 846.1  | 725.0  | 653.7  | 621.4  | 605.3  | 589.1  | 564.9  | 532.7  |
| 60°    | 823.2  | 840.7  | 793.6  | 754.6  | 644.3  | 582.4  | 554.2  | 536.7  | 528.6  | 507.1  | 486.9  |
| 62.5°  | 682.0  | 698.1  | 671.2  | 641.6  | 563.6  | 508.4  | 491.0  | 474.8  | 469.4  | 450.6  | 430.4  |
| 65°    | 554.2  | 574.3  | 554.2  | 538.0  | 491.0  | 445.2  | 423.7  | 415.6  | 410.2  | 398.1  | 382.0  |
| 67.5°  | 441.2  | 461.4  | 451.9  | 431.8  | 417.0  | 379.3  | 367.2  | 359.1  | 356.4  | 347.0  | 333.6  |
| 70°    | 332.2  | 360.5  | 363.2  | 351.1  | 337.6  | 320.1  | 312.1  | 309.4  | 302.6  | 294.6  | 286.5  |
| 72.5°  | 239.4  | 271.7  | 273.1  | 273.1  | 265.0  | 265.0  | 256.9  | 252.9  | 252.9  | 244.8  | 235.4  |
| 75°    | 176.2  | 197.7  | 200.4  | 203.1  | 207.1  | 211.2  | 205.8  | 205.8  | 204.5  | 196.4  | 192.3  |
| 77.5°  | 117.0  | 135.9  | 142.6  | 152.0  | 157.4  | 157.4  | 160.1  | 162.8  | 160.1  | 156.0  | 153.3  |
| 80°    | 75.3   | 88.8   | 96.8   | 102.2  | 110.3  | 114.3  | 118.4  | 119.7  | 117.0  | 115.7  | 111.6  |
| 82.5°  | 49.8   | 53.8   | 57.8   | 64.6   | 74.0   | 80.7   | 80.7   | 79.4   | 82.0   | 80.7   | 79.4   |
| 85°    | 28.2   | 30.9   | 32.3   | 33.6   | 39.0   | 45.7   | 47.1   | 48.4   | 51.1   | 48.4   | 45.7   |
| 87.5°  | 10.8   | 12.1   | 12.1   | 12.1   | 14.8   | 16.1   | 20.2   | 25.6   | 24.2   | 21.5   | 21.5   |
| 90°    | 5.4    | 4.4    | 3.9    | 3.5    | 2.7    | 2.0    | 1.2    | 0.4    | 1.2    | 2.0    | 2.7    |
| 92.5°  | 7.1    | 6.4    | 6.0    | 6.2    | 6.7    | 7.2    | 7.6    | 8.1    | 7.6    | 7.2    | 6.7    |
| 95°    | 8.4    | 7.5    | 7.1    | 8.7    | 11.9   | 15.2   | 18.4   | 21.6   | 18.4   | 15.2   | 11.9   |
| 97.5°  | 23.3   | 27.3   | 29.3   | 30.4   | 32.6   | 34.8   | 37.0   | 39.2   | 37.0   | 34.8   | 32.6   |
| 100°   | 48.4   | 60.7   | 66.8   | 66.0   | 64.4   | 62.9   | 61.3   | 59.7   | 61.3   | 62.9   | 64.4   |
| 102.5° | 67.1   | 80.8   | 87.6   | 87.1   | 86.1   | 85.0   | 84.0   | 83.0   | 84.0   | 85.0   | 86.1   |
| 105°   | 98.6   | 105.7  | 109.2  | 108.8  | 107.9  | 107.0  | 106.2  | 105.3  | 106.2  | 107.0  | 107.9  |
| 107.5° | 134.0  | 132.8  | 132.2  | 131.8  | 131.1  | 130.4  | 129.7  | 129.0  | 129.7  | 130.4  | 131.1  |
| 110°   | 156.8  | 155.9  | 155.5  | 155.2  | 154.6  | 153.9  | 153.3  | 152.7  | 153.3  | 153.9  | 154.6  |

TEST NUMBER: P1010792

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 179.0 | 178.1 | 177.7  | 177.4 | 176.9 | 176.4 | 175.8 | 175.3 | 175.8 | 176.4 | 176.9 |
| 115°   | 200.7 | 200.0 | 199.7  | 199.5 | 199.0 | 198.5 | 198.0 | 197.5 | 198.0 | 198.5 | 199.0 |
| 117.5° | 222.5 | 222.1 | 221.9  | 221.6 | 221.1 | 220.5 | 220.0 | 219.4 | 220.0 | 220.5 | 221.1 |
| 120°   | 243.1 | 242.9 | 242.8  | 242.4 | 241.7 | 241.0 | 240.3 | 239.6 | 240.3 | 241.0 | 241.7 |
| 122.5° | 263.1 | 262.8 | 262.6  | 262.3 | 261.8 | 261.2 | 260.7 | 260.1 | 260.7 | 261.2 | 261.8 |
| 125°   | 281.8 | 281.5 | 281.3  | 281.0 | 280.4 | 279.7 | 279.1 | 278.5 | 279.1 | 279.7 | 280.4 |
| 127.5° | 300.3 | 299.9 | 299.7  | 299.4 | 298.7 | 298.1 | 297.4 | 296.8 | 297.4 | 298.1 | 298.7 |
| 130°   | 317.1 | 316.8 | 316.6  | 316.3 | 315.7 | 315.0 | 314.4 | 313.8 | 314.4 | 315.0 | 315.7 |
| 132.5° | 333.2 | 333.0 | 332.9  | 332.6 | 332.0 | 331.3 | 330.7 | 330.1 | 330.7 | 331.3 | 332.0 |
| 135°   | 349.3 | 349.0 | 348.8  | 348.6 | 348.1 | 347.6 | 347.2 | 346.7 | 347.2 | 347.6 | 348.1 |
| 137.5° | 363.8 | 363.7 | 363.6  | 363.3 | 362.7 | 362.0 | 361.4 | 360.8 | 361.4 | 362.0 | 362.7 |
| 140°   | 377.4 | 377.2 | 377.1  | 376.9 | 376.4 | 375.9 | 375.4 | 374.9 | 375.4 | 375.9 | 376.4 |
| 142.5° | 390.5 | 390.2 | 390.1  | 389.9 | 389.4 | 388.9 | 388.5 | 388.0 | 388.5 | 388.9 | 389.4 |
| 145°   | 402.7 | 402.6 | 402.5  | 402.2 | 401.7 | 401.1 | 400.6 | 400.0 | 400.6 | 401.1 | 401.7 |
| 147.5° | 413.7 | 413.6 | 413.5  | 413.3 | 412.9 | 412.5 | 412.1 | 411.7 | 412.1 | 412.5 | 412.9 |
| 150°   | 423.6 | 423.4 | 423.3  | 423.2 | 423.0 | 422.7 | 422.5 | 422.3 | 422.5 | 422.7 | 423.0 |
| 152.5° | 432.3 | 432.2 | 432.2  | 432.2 | 432.1 | 432.0 | 431.9 | 431.8 | 431.9 | 432.0 | 432.1 |
| 155°   | 440.1 | 440.0 | 440.0  | 440.1 | 440.2 | 440.4 | 440.5 | 440.7 | 440.5 | 440.4 | 440.2 |
| 157.5° | 447.6 | 447.7 | 447.7  | 447.7 | 447.7 | 447.7 | 447.7 | 447.7 | 447.7 | 447.7 | 447.7 |
| 160°   | 453.6 | 453.7 | 453.7  | 453.7 | 453.8 | 453.9 | 454.0 | 454.1 | 454.0 | 453.9 | 453.8 |
| 162.5° | 458.9 | 459.0 | 459.0  | 459.1 | 459.4 | 459.6 | 459.9 | 460.1 | 459.9 | 459.6 | 459.4 |
| 165°   | 463.5 | 463.6 | 463.6  | 463.7 | 464.0 | 464.2 | 464.5 | 464.7 | 464.5 | 464.2 | 464.0 |
| 167.5° | 467.2 | 467.2 | 467.2  | 467.4 | 467.7 | 468.0 | 468.3 | 468.6 | 468.3 | 468.0 | 467.7 |
| 170°   | 470.3 | 470.3 | 470.3  | 470.5 | 470.8 | 471.1 | 471.5 | 471.8 | 471.5 | 471.1 | 470.8 |
| 172.5° | 472.2 | 472.1 | 472.1  | 472.3 | 472.7 | 473.1 | 473.5 | 473.9 | 473.5 | 473.1 | 472.7 |
| 175°   | 474.0 | 473.9 | 473.9  | 474.1 | 474.5 | 474.8 | 475.2 | 475.6 | 475.2 | 474.8 | 474.5 |
| 177.5° | 474.7 | 474.6 | 474.6  | 474.8 | 475.2 | 475.6 | 476.0 | 476.4 | 476.0 | 475.6 | 475.2 |
| 180°   | 475.6 | 475.6 | 475.6  | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 |

TEST NUMBER: P1010792

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 |
| 2.5°   | 1550.9 | 1544.1 | 1541.5 | 1534.7 | 1518.6 | 1507.8 | 1495.7 | 1487.7 | 1489.0 | 1482.3 | 1486.3 |
| 5°     | 1502.5 | 1501.1 | 1491.7 | 1478.2 | 1455.4 | 1443.3 | 1421.7 | 1411.0 | 1405.6 | 1407.0 | 1398.9 |
| 7.5°   | 1462.1 | 1450.0 | 1443.3 | 1421.7 | 1400.2 | 1374.7 | 1357.2 | 1347.8 | 1339.7 | 1331.6 | 1326.2 |
| 10°    | 1416.4 | 1405.6 | 1394.8 | 1372.0 | 1342.4 | 1318.2 | 1294.0 | 1284.5 | 1272.4 | 1267.1 | 1263.0 |
| 12.5°  | 1367.9 | 1361.2 | 1347.8 | 1320.9 | 1287.2 | 1264.4 | 1236.1 | 1230.7 | 1214.6 | 1203.8 | 1201.2 |
| 15°    | 1323.6 | 1319.5 | 1295.3 | 1264.4 | 1230.7 | 1207.9 | 1183.7 | 1167.5 | 1140.6 | 1146.0 | 1136.6 |
| 17.5°  | 1276.5 | 1259.0 | 1244.2 | 1202.5 | 1186.4 | 1151.4 | 1123.1 | 1115.1 | 1096.2 | 1084.1 | 1072.0 |
| 20°    | 1224.0 | 1213.3 | 1194.4 | 1167.5 | 1128.5 | 1088.2 | 1066.6 | 1053.2 | 1042.4 | 1023.6 | 1018.2 |
| 22.5°  | 1174.3 | 1160.8 | 1144.7 | 1109.7 | 1076.1 | 1042.4 | 1012.8 | 1000.7 | 987.3  | 973.8  | 965.8  |
| 25°    | 1135.2 | 1115.1 | 1097.6 | 1054.5 | 1020.9 | 992.7  | 973.8  | 953.7  | 934.8  | 926.8  | 924.1  |
| 27.5°  | 1074.7 | 1062.6 | 1045.1 | 1004.8 | 973.8  | 942.9  | 925.4  | 912.0  | 891.8  | 882.4  | 874.3  |
| 30°    | 1035.7 | 1011.5 | 991.3  | 959.0  | 928.1  | 894.5  | 878.3  | 862.2  | 850.1  | 838.0  | 828.6  |
| 32.5°  | 983.3  | 964.4  | 948.3  | 916.0  | 885.1  | 854.1  | 836.6  | 812.4  | 805.7  | 796.3  | 785.5  |
| 35°    | 932.1  | 920.0  | 902.5  | 867.6  | 833.9  | 812.4  | 793.6  | 770.7  | 762.7  | 755.9  | 746.5  |
| 37.5°  | 883.7  | 866.2  | 854.1  | 820.5  | 790.9  | 765.3  | 750.6  | 731.7  | 726.3  | 718.3  | 711.5  |
| 40°    | 842.0  | 824.5  | 812.4  | 778.8  | 747.9  | 721.0  | 711.5  | 692.7  | 684.6  | 675.2  | 671.2  |
| 42.5°  | 794.9  | 780.1  | 764.0  | 739.8  | 707.5  | 680.6  | 661.8  | 651.0  | 640.3  | 636.2  | 628.2  |
| 45°    | 745.2  | 731.7  | 719.6  | 692.7  | 659.1  | 640.3  | 624.1  | 609.3  | 601.2  | 594.5  | 589.1  |
| 47.5°  | 702.1  | 690.0  | 673.9  | 644.3  | 617.4  | 599.9  | 583.8  | 569.0  | 560.9  | 552.8  | 546.1  |
| 50°    | 652.4  | 645.6  | 628.2  | 599.9  | 574.3  | 554.2  | 539.4  | 525.9  | 520.5  | 511.1  | 500.4  |
| 52.5°  | 608.0  | 595.9  | 581.1  | 558.2  | 535.3  | 511.1  | 491.0  | 482.9  | 473.5  | 468.1  | 458.7  |
| 55°    | 555.5  | 547.4  | 531.3  | 511.1  | 486.9  | 466.7  | 451.9  | 441.2  | 429.1  | 423.7  | 411.6  |
| 57.5°  | 511.1  | 496.3  | 488.3  | 462.7  | 439.8  | 419.7  | 408.9  | 398.1  | 384.7  | 376.6  | 371.2  |
| 60°    | 462.7  | 449.3  | 437.1  | 415.6  | 399.5  | 378.0  | 361.8  | 352.4  | 343.0  | 332.2  | 326.9  |
| 62.5°  | 415.6  | 404.9  | 390.1  | 372.6  | 352.4  | 334.9  | 322.8  | 309.4  | 304.0  | 293.2  | 289.2  |
| 65°    | 364.5  | 356.4  | 344.3  | 324.2  | 308.0  | 293.2  | 281.1  | 270.4  | 265.0  | 260.9  | 258.3  |
| 67.5°  | 318.8  | 308.0  | 300.0  | 282.5  | 265.0  | 252.9  | 246.1  | 239.4  | 232.7  | 228.7  | 224.6  |
| 70°    | 271.7  | 263.6  | 255.6  | 239.4  | 227.3  | 216.6  | 211.2  | 205.8  | 201.8  | 197.7  | 193.7  |
| 72.5°  | 223.3  | 219.2  | 211.2  | 200.4  | 191.0  | 182.9  | 178.9  | 172.2  | 168.1  | 161.4  | 158.7  |
| 75°    | 184.3  | 177.6  | 173.5  | 164.1  | 156.0  | 149.3  | 143.9  | 135.9  | 130.5  | 127.8  | 126.4  |
| 77.5°  | 145.3  | 142.6  | 137.2  | 129.1  | 125.1  | 118.4  | 110.3  | 107.6  | 104.9  | 104.9  | 103.6  |
| 80°    | 109.0  | 104.9  | 100.9  | 94.2   | 90.1   | 84.7   | 84.7   | 84.7   | 83.4   | 84.7   | 83.4   |
| 82.5°  | 74.0   | 71.3   | 68.6   | 64.6   | 63.2   | 63.2   | 64.6   | 64.6   | 64.6   | 64.6   | 64.6   |
| 85°    | 43.0   | 43.0   | 43.0   | 44.4   | 43.0   | 43.0   | 44.4   | 45.7   | 44.4   | 44.4   | 43.0   |
| 87.5°  | 20.2   | 20.2   | 21.5   | 21.5   | 22.9   | 22.9   | 22.9   | 22.9   | 22.9   | 22.9   | 24.2   |
| 90°    | 3.5    | 3.9    | 4.4    | 5.4    | 6.5    | 7.5    | 8.5    | 8.8    | 9.1    | 9.4    | 9.7    |
| 92.5°  | 6.2    | 6.0    | 6.4    | 7.1    | 7.8    | 8.5    | 9.2    | 9.8    | 10.3   | 10.9   | 11.4   |
| 95°    | 8.7    | 7.1    | 7.5    | 8.4    | 9.3    | 10.1   | 11.0   | 11.5   | 12.1   | 12.6   | 13.1   |
| 97.5°  | 30.4   | 29.3   | 27.3   | 23.3   | 19.3   | 15.3   | 11.3   | 11.9   | 12.5   | 13.2   | 13.8   |
| 100°   | 66.0   | 66.8   | 60.7   | 48.4   | 36.2   | 23.9   | 11.7   | 12.3   | 12.9   | 13.6   | 14.2   |
| 102.5° | 87.1   | 87.6   | 80.8   | 67.1   | 53.4   | 39.8   | 26.1   | 23.5   | 20.9   | 18.4   | 15.8   |
| 105°   | 108.8  | 109.2  | 105.7  | 98.6   | 91.5   | 84.5   | 77.4   | 63.5   | 49.6   | 35.7   | 21.8   |
| 107.5° | 131.8  | 132.2  | 132.8  | 134.0  | 135.1  | 136.3  | 137.5  | 125.4  | 113.3  | 101.2  | 89.1   |
| 110°   | 155.2  | 155.5  | 155.9  | 156.8  | 157.7  | 158.5  | 159.4  | 156.8  | 154.2  | 151.6  | 149.0  |

TEST NUMBER: P1010792

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 177.4 | 177.7  | 178.1 | 179.0 | 179.9 | 180.7 | 181.6 | 182.3 | 183.0 | 183.7 | 184.4 |
| 115°   | 199.5 | 199.7  | 200.0 | 200.7 | 201.4 | 202.1 | 202.8 | 203.6 | 204.4 | 205.2 | 206.0 |
| 117.5° | 221.6 | 221.9  | 222.1 | 222.5 | 222.9 | 223.3 | 223.7 | 224.3 | 224.9 | 225.6 | 226.2 |
| 120°   | 242.4 | 242.8  | 242.9 | 243.1 | 243.4 | 243.6 | 243.8 | 244.4 | 245.1 | 245.7 | 246.4 |
| 122.5° | 262.3 | 262.6  | 262.8 | 263.1 | 263.4 | 263.7 | 264.0 | 264.4 | 264.8 | 265.1 | 265.5 |
| 125°   | 281.0 | 281.3  | 281.5 | 281.8 | 282.1 | 282.4 | 282.7 | 282.9 | 283.0 | 283.2 | 283.3 |
| 127.5° | 299.4 | 299.7  | 299.9 | 300.3 | 300.6 | 301.0 | 301.4 | 301.6 | 301.9 | 302.1 | 302.4 |
| 130°   | 316.3 | 316.6  | 316.8 | 317.1 | 317.4 | 317.7 | 318.0 | 318.3 | 318.7 | 319.0 | 319.3 |
| 132.5° | 332.6 | 332.9  | 333.0 | 333.2 | 333.5 | 333.7 | 333.9 | 334.2 | 334.6 | 334.9 | 335.2 |
| 135°   | 348.6 | 348.8  | 349.0 | 349.3 | 349.6 | 349.9 | 350.2 | 350.4 | 350.7 | 350.9 | 351.2 |
| 137.5° | 363.3 | 363.6  | 363.7 | 363.8 | 364.0 | 364.1 | 364.3 | 364.7 | 365.1 | 365.5 | 365.9 |
| 140°   | 376.9 | 377.1  | 377.2 | 377.4 | 377.7 | 377.9 | 378.1 | 378.4 | 378.7 | 379.0 | 379.3 |
| 142.5° | 389.9 | 390.1  | 390.2 | 390.5 | 390.7 | 391.0 | 391.2 | 391.4 | 391.6 | 391.9 | 392.1 |
| 145°   | 402.2 | 402.5  | 402.6 | 402.7 | 402.9 | 403.0 | 403.2 | 403.4 | 403.5 | 403.7 | 403.8 |
| 147.5° | 413.3 | 413.5  | 413.6 | 413.7 | 413.9 | 414.0 | 414.2 | 414.4 | 414.5 | 414.7 | 414.8 |
| 150°   | 423.2 | 423.3  | 423.4 | 423.6 | 423.7 | 423.9 | 424.1 | 424.3 | 424.4 | 424.6 | 424.7 |
| 152.5° | 432.2 | 432.2  | 432.2 | 432.3 | 432.4 | 432.4 | 432.5 | 432.8 | 433.1 | 433.4 | 433.7 |
| 155°   | 440.1 | 440.0  | 440.0 | 440.1 | 440.2 | 440.2 | 440.3 | 440.7 | 441.1 | 441.5 | 441.9 |
| 157.5° | 447.7 | 447.7  | 447.7 | 447.6 | 447.5 | 447.5 | 447.4 | 447.9 | 448.3 | 448.8 | 449.3 |
| 160°   | 453.7 | 453.7  | 453.7 | 453.6 | 453.5 | 453.5 | 453.4 | 453.9 | 454.3 | 454.8 | 455.3 |
| 162.5° | 459.1 | 459.0  | 459.0 | 458.9 | 458.8 | 458.8 | 458.7 | 459.3 | 459.8 | 460.4 | 460.9 |
| 165°   | 463.7 | 463.6  | 463.6 | 463.5 | 463.4 | 463.4 | 463.3 | 463.9 | 464.5 | 465.2 | 465.8 |
| 167.5° | 467.4 | 467.2  | 467.2 | 467.2 | 467.2 | 467.2 | 467.2 | 467.8 | 468.4 | 469.1 | 469.7 |
| 170°   | 470.5 | 470.3  | 470.3 | 470.3 | 470.3 | 470.3 | 470.3 | 470.9 | 471.6 | 472.2 | 472.9 |
| 172.5° | 472.3 | 472.1  | 472.1 | 472.2 | 472.3 | 472.4 | 472.5 | 473.1 | 473.7 | 474.4 | 475.0 |
| 175°   | 474.1 | 473.9  | 473.9 | 474.0 | 474.1 | 474.1 | 474.2 | 474.8 | 475.3 | 475.9 | 476.4 |
| 177.5° | 474.8 | 474.6  | 474.6 | 474.7 | 474.8 | 474.8 | 474.9 | 475.5 | 476.2 | 476.8 | 477.5 |
| 180°   | 475.6 | 475.6  | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 |

TEST NUMBER: P1010792

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 |
| 2.5°   | 1485.0 | 1486.3 | 1482.3 | 1474.2 | 1472.9 | 1475.5 | 1483.6 | 1480.9 | 1474.2 | 1486.3 | 1475.5 |
| 5°     | 1402.9 | 1396.2 | 1393.5 | 1396.2 | 1388.1 | 1384.1 | 1392.2 | 1388.1 | 1392.2 | 1393.5 | 1397.5 |
| 7.5°   | 1323.6 | 1324.9 | 1316.8 | 1318.2 | 1307.4 | 1310.1 | 1310.1 | 1310.1 | 1314.1 | 1316.8 | 1322.2 |
| 10°    | 1255.0 | 1257.6 | 1248.2 | 1249.6 | 1241.5 | 1236.1 | 1240.2 | 1248.2 | 1248.2 | 1248.2 | 1250.9 |
| 12.5°  | 1199.8 | 1187.7 | 1181.0 | 1179.6 | 1170.2 | 1167.5 | 1175.6 | 1178.3 | 1185.0 | 1185.0 | 1189.0 |
| 15°    | 1131.2 | 1128.5 | 1123.1 | 1123.1 | 1100.3 | 1105.7 | 1108.3 | 1117.8 | 1131.2 | 1120.4 | 1123.1 |
| 17.5°  | 1069.3 | 1062.6 | 1055.9 | 1053.2 | 1050.5 | 1042.4 | 1053.2 | 1051.8 | 1059.9 | 1061.3 | 1065.3 |
| 20°    | 1014.2 | 1008.8 | 995.4  | 996.7  | 999.4  | 987.3  | 994.0  | 994.0  | 1002.1 | 1010.2 | 1019.6 |
| 22.5°  | 960.4  | 955.0  | 948.3  | 951.0  | 942.9  | 940.2  | 940.2  | 946.9  | 956.3  | 963.1  | 961.7  |
| 25°    | 918.7  | 909.3  | 905.2  | 901.2  | 897.2  | 899.9  | 895.8  | 902.5  | 909.3  | 913.3  | 909.3  |
| 27.5°  | 871.6  | 867.6  | 859.5  | 855.5  | 848.7  | 851.4  | 854.1  | 859.5  | 863.5  | 863.5  | 867.6  |
| 30°    | 825.9  | 820.5  | 817.8  | 813.8  | 813.8  | 808.4  | 809.7  | 815.1  | 819.2  | 823.2  | 828.6  |
| 32.5°  | 781.5  | 777.5  | 773.4  | 773.4  | 770.7  | 769.4  | 768.0  | 776.1  | 776.1  | 784.2  | 784.2  |
| 35°    | 745.2  | 738.4  | 738.4  | 731.7  | 734.4  | 733.1  | 730.4  | 735.8  | 737.1  | 742.5  | 741.1  |
| 37.5°  | 704.8  | 704.8  | 702.1  | 695.4  | 690.0  | 691.4  | 698.1  | 698.1  | 702.1  | 700.8  | 704.8  |
| 40°    | 664.5  | 661.8  | 661.8  | 657.7  | 656.4  | 655.1  | 656.4  | 657.7  | 664.5  | 663.1  | 664.5  |
| 42.5°  | 624.1  | 625.5  | 618.7  | 618.7  | 618.7  | 614.7  | 616.0  | 617.4  | 620.1  | 622.8  | 626.8  |
| 45°    | 585.1  | 582.4  | 581.1  | 578.4  | 575.7  | 577.0  | 575.7  | 581.1  | 579.7  | 582.4  | 586.5  |
| 47.5°  | 543.4  | 539.4  | 538.0  | 532.7  | 532.7  | 535.3  | 534.0  | 538.0  | 539.4  | 543.4  | 540.7  |
| 50°    | 503.1  | 497.7  | 493.6  | 495.0  | 486.9  | 489.6  | 489.6  | 493.6  | 497.7  | 499.0  | 501.7  |
| 52.5°  | 456.0  | 454.6  | 453.3  | 446.6  | 445.2  | 443.9  | 445.2  | 446.6  | 451.9  | 456.0  | 457.3  |
| 55°    | 410.2  | 408.9  | 400.8  | 398.1  | 394.1  | 394.1  | 396.8  | 398.1  | 407.6  | 408.9  | 414.3  |
| 57.5°  | 368.6  | 364.5  | 355.1  | 353.8  | 353.8  | 353.8  | 349.7  | 355.1  | 357.8  | 364.5  | 364.5  |
| 60°    | 322.8  | 322.8  | 314.7  | 314.7  | 316.1  | 314.7  | 314.7  | 316.1  | 316.1  | 321.5  | 324.2  |
| 62.5°  | 286.5  | 285.2  | 285.2  | 282.5  | 281.1  | 282.5  | 281.1  | 281.1  | 282.5  | 286.5  | 290.5  |
| 65°    | 254.2  | 252.9  | 251.5  | 250.2  | 247.5  | 247.5  | 248.8  | 251.5  | 251.5  | 254.2  | 255.6  |
| 67.5°  | 223.3  | 223.3  | 220.6  | 220.6  | 219.2  | 217.9  | 219.2  | 217.9  | 223.3  | 223.3  | 224.6  |
| 70°    | 192.3  | 191.0  | 187.0  | 185.6  | 181.6  | 182.9  | 182.9  | 187.0  | 188.3  | 191.0  | 193.7  |
| 72.5°  | 154.7  | 154.7  | 152.0  | 149.3  | 150.6  | 148.0  | 148.0  | 149.3  | 149.3  | 153.3  | 154.7  |
| 75°    | 127.8  | 125.1  | 123.7  | 125.1  | 123.7  | 126.4  | 123.7  | 123.7  | 126.4  | 126.4  | 126.4  |
| 77.5°  | 104.9  | 104.9  | 103.6  | 103.6  | 104.9  | 103.6  | 104.9  | 104.9  | 104.9  | 103.6  | 104.9  |
| 80°    | 86.1   | 84.7   | 84.7   | 84.7   | 83.4   | 83.4   | 83.4   | 83.4   | 83.4   | 83.4   | 83.4   |
| 82.5°  | 64.6   | 64.6   | 63.2   | 64.6   | 64.6   | 63.2   | 64.6   | 63.2   | 63.2   | 64.6   | 64.6   |
| 85°    | 43.0   | 45.7   | 43.0   | 43.0   | 44.4   | 44.4   | 45.7   | 44.4   | 45.7   | 43.0   | 44.4   |
| 87.5°  | 22.9   | 24.2   | 24.2   | 22.9   | 22.9   | 24.2   | 24.2   | 24.2   | 25.6   | 22.9   | 24.2   |
| 90°    | 9.9    | 10.0   | 10.1   | 10.3   | 10.4   | 10.6   | 10.4   | 10.3   | 10.1   | 10.0   | 9.9    |
| 92.5°  | 11.7   | 11.7   | 11.8   | 11.9   | 11.9   | 12.0   | 11.9   | 11.9   | 11.8   | 11.7   | 11.7   |
| 95°    | 13.4   | 13.4   | 13.4   | 13.4   | 13.4   | 13.4   | 13.4   | 13.4   | 13.4   | 13.4   | 13.4   |
| 97.5°  | 14.1   | 14.1   | 14.2   | 14.3   | 14.4   | 14.5   | 14.4   | 14.3   | 14.2   | 14.1   | 14.1   |
| 100°   | 14.5   | 14.5   | 14.6   | 14.7   | 14.7   | 14.8   | 14.7   | 14.7   | 14.6   | 14.5   | 14.5   |
| 102.5° | 14.5   | 14.6   | 14.7   | 14.9   | 15.0   | 15.2   | 15.0   | 14.9   | 14.7   | 14.6   | 14.5   |
| 105°   | 14.8   | 14.9   | 15.0   | 15.2   | 15.3   | 15.5   | 15.3   | 15.2   | 15.0   | 14.9   | 14.8   |
| 107.5° | 83.0   | 77.9   | 67.6   | 57.3   | 47.1   | 36.8   | 47.1   | 57.3   | 67.6   | 77.9   | 83.0   |
| 110°   | 147.7  | 142.1  | 130.9  | 119.6  | 108.4  | 97.2   | 108.4  | 119.6  | 130.9  | 142.1  | 147.7  |



TEST NUMBER: P1010792

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 184.8  | 184.7 | 184.6 | 184.4 | 184.3 | 184.1 | 184.3 | 184.4 | 184.6 | 184.7 | 184.8  |
| 115°   | 206.4  | 206.6 | 206.9 | 207.2 | 207.5 | 207.8 | 207.5 | 207.2 | 206.9 | 206.6 | 206.4  |
| 117.5° | 226.5  | 226.5 | 226.6 | 226.7 | 226.8 | 226.9 | 226.8 | 226.7 | 226.6 | 226.5 | 226.5  |
| 120°   | 246.7  | 246.7 | 246.7 | 246.7 | 246.7 | 246.7 | 246.7 | 246.7 | 246.7 | 246.7 | 246.7  |
| 122.5° | 265.7  | 265.7 | 265.8 | 265.9 | 266.0 | 266.1 | 266.0 | 265.9 | 265.8 | 265.7 | 265.7  |
| 125°   | 283.4  | 283.5 | 283.6 | 283.8 | 283.9 | 284.1 | 283.9 | 283.8 | 283.6 | 283.5 | 283.4  |
| 127.5° | 302.5  | 302.4 | 302.3 | 302.1 | 302.0 | 301.8 | 302.0 | 302.1 | 302.3 | 302.4 | 302.5  |
| 130°   | 319.5  | 319.4 | 319.2 | 319.1 | 318.9 | 318.7 | 318.9 | 319.1 | 319.2 | 319.4 | 319.5  |
| 132.5° | 335.4  | 335.3 | 335.0 | 334.8 | 334.5 | 334.3 | 334.5 | 334.8 | 335.0 | 335.3 | 335.4  |
| 135°   | 351.3  | 351.2 | 350.9 | 350.7 | 350.4 | 350.2 | 350.4 | 350.7 | 350.9 | 351.2 | 351.3  |
| 137.5° | 366.1  | 366.0 | 365.9 | 365.7 | 365.6 | 365.4 | 365.6 | 365.7 | 365.9 | 366.0 | 366.1  |
| 140°   | 379.5  | 379.4 | 379.3 | 379.1 | 379.0 | 378.8 | 379.0 | 379.1 | 379.3 | 379.4 | 379.5  |
| 142.5° | 392.2  | 392.1 | 391.9 | 391.6 | 391.4 | 391.2 | 391.4 | 391.6 | 391.9 | 392.1 | 392.2  |
| 145°   | 403.9  | 403.9 | 403.9 | 403.9 | 403.9 | 403.9 | 403.9 | 403.9 | 403.9 | 403.9 | 403.9  |
| 147.5° | 414.9  | 414.7 | 414.3 | 413.9 | 413.5 | 413.1 | 413.5 | 413.9 | 414.3 | 414.7 | 414.9  |
| 150°   | 424.8  | 424.7 | 424.4 | 424.2 | 423.9 | 423.7 | 423.9 | 424.2 | 424.4 | 424.7 | 424.8  |
| 152.5° | 433.9  | 433.7 | 433.3 | 433.0 | 432.6 | 432.2 | 432.6 | 433.0 | 433.3 | 433.7 | 433.9  |
| 155°   | 442.1  | 441.9 | 441.4 | 440.9 | 440.5 | 440.0 | 440.5 | 440.9 | 441.4 | 441.9 | 442.1  |
| 157.5° | 449.5  | 449.2 | 448.6 | 447.9 | 447.3 | 446.7 | 447.3 | 447.9 | 448.6 | 449.2 | 449.5  |
| 160°   | 455.5  | 455.2 | 454.7 | 454.1 | 453.6 | 453.0 | 453.6 | 454.1 | 454.7 | 455.2 | 455.5  |
| 162.5° | 461.2  | 461.0 | 460.5 | 460.0 | 459.5 | 459.0 | 459.5 | 460.0 | 460.5 | 461.0 | 461.2  |
| 165°   | 466.1  | 465.8 | 465.3 | 464.7 | 464.2 | 463.6 | 464.2 | 464.7 | 465.3 | 465.8 | 466.1  |
| 167.5° | 470.0  | 469.7 | 469.1 | 468.4 | 467.8 | 467.2 | 467.8 | 468.4 | 469.1 | 469.7 | 470.0  |
| 170°   | 473.2  | 472.9 | 472.2 | 471.6 | 470.9 | 470.3 | 470.9 | 471.6 | 472.2 | 472.9 | 473.2  |
| 172.5° | 475.3  | 474.9 | 474.2 | 473.5 | 472.8 | 472.1 | 472.8 | 473.5 | 474.2 | 474.9 | 475.3  |
| 175°   | 476.7  | 476.4 | 475.8 | 475.1 | 474.5 | 473.9 | 474.5 | 475.1 | 475.8 | 476.4 | 476.7  |
| 177.5° | 477.8  | 477.4 | 476.6 | 475.8 | 475.0 | 474.2 | 475.0 | 475.8 | 476.6 | 477.4 | 477.8  |
| 180°   | 475.6  | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6  |

TEST NUMBER: P1010792

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 |
| 2.5°   | 1486.3 | 1491.7 | 1486.3 | 1475.5 | 1486.3 | 1493.0 | 1499.8 | 1510.5 | 1515.9 | 1515.9 | 1524.0 |
| 5°     | 1401.6 | 1412.3 | 1408.3 | 1405.6 | 1416.4 | 1423.1 | 1433.9 | 1447.3 | 1462.1 | 1471.5 | 1482.3 |
| 7.5°   | 1326.2 | 1333.0 | 1339.7 | 1339.7 | 1350.5 | 1365.3 | 1381.4 | 1397.5 | 1416.4 | 1429.8 | 1437.9 |
| 10°    | 1260.3 | 1265.7 | 1269.8 | 1275.1 | 1291.3 | 1307.4 | 1328.9 | 1349.1 | 1365.3 | 1380.0 | 1393.5 |
| 12.5°  | 1197.1 | 1205.2 | 1214.6 | 1218.6 | 1230.7 | 1250.9 | 1271.1 | 1295.3 | 1320.9 | 1335.7 | 1349.1 |
| 15°    | 1136.6 | 1140.6 | 1151.4 | 1163.5 | 1174.3 | 1195.8 | 1221.3 | 1246.9 | 1268.4 | 1291.3 | 1303.4 |
| 17.5°  | 1074.7 | 1076.1 | 1104.3 | 1097.6 | 1132.6 | 1152.7 | 1166.2 | 1190.4 | 1225.4 | 1244.2 | 1263.0 |
| 20°    | 1014.2 | 1027.6 | 1039.7 | 1046.5 | 1065.3 | 1088.2 | 1127.2 | 1146.0 | 1174.3 | 1191.7 | 1207.9 |
| 22.5°  | 967.1  | 987.3  | 987.3  | 1003.4 | 1012.8 | 1034.4 | 1062.6 | 1098.9 | 1129.9 | 1142.0 | 1164.8 |
| 25°    | 925.4  | 934.8  | 951.0  | 956.3  | 973.8  | 992.7  | 1011.5 | 1050.5 | 1084.1 | 1100.3 | 1116.4 |
| 27.5°  | 871.6  | 883.7  | 905.2  | 905.2  | 928.1  | 948.3  | 971.1  | 996.7  | 1030.3 | 1053.2 | 1070.7 |
| 30°    | 829.9  | 842.0  | 851.4  | 866.2  | 875.6  | 894.5  | 934.8  | 953.7  | 983.3  | 1003.4 | 1024.9 |
| 32.5°  | 790.9  | 800.3  | 808.4  | 824.5  | 835.3  | 856.8  | 878.3  | 912.0  | 937.5  | 956.3  | 979.2  |
| 35°    | 747.9  | 757.3  | 768.0  | 780.1  | 796.3  | 816.5  | 836.6  | 864.9  | 890.4  | 907.9  | 926.8  |
| 37.5°  | 707.5  | 714.2  | 730.4  | 738.4  | 751.9  | 770.7  | 796.3  | 825.9  | 848.7  | 862.2  | 881.0  |
| 40°    | 668.5  | 673.9  | 686.0  | 700.8  | 710.2  | 725.0  | 751.9  | 777.5  | 805.7  | 821.8  | 836.6  |
| 42.5°  | 626.8  | 633.5  | 644.3  | 659.1  | 673.9  | 690.0  | 704.8  | 734.4  | 760.0  | 773.4  | 789.6  |
| 45°    | 590.5  | 594.5  | 602.6  | 617.4  | 632.2  | 644.3  | 667.2  | 694.1  | 718.3  | 729.0  | 746.5  |
| 47.5°  | 547.4  | 551.5  | 563.6  | 570.3  | 586.5  | 602.6  | 625.5  | 652.4  | 673.9  | 684.6  | 700.8  |
| 50°    | 503.1  | 507.1  | 515.2  | 530.0  | 540.7  | 558.2  | 578.4  | 601.2  | 628.2  | 642.9  | 652.4  |
| 52.5°  | 460.0  | 468.1  | 474.8  | 486.9  | 500.4  | 517.9  | 536.7  | 558.2  | 581.1  | 595.9  | 606.6  |
| 55°    | 417.0  | 423.7  | 431.8  | 438.5  | 454.6  | 470.8  | 492.3  | 512.5  | 532.7  | 546.1  | 558.2  |
| 57.5°  | 368.6  | 378.0  | 386.0  | 399.5  | 411.6  | 425.0  | 449.3  | 465.4  | 489.6  | 499.0  | 509.8  |
| 60°    | 326.9  | 336.3  | 343.0  | 353.8  | 364.5  | 382.0  | 398.1  | 418.3  | 438.5  | 450.6  | 464.1  |
| 62.5°  | 291.9  | 295.9  | 300.0  | 310.7  | 321.5  | 337.6  | 353.8  | 373.9  | 395.5  | 402.2  | 412.9  |
| 65°    | 256.9  | 260.9  | 267.7  | 277.1  | 285.2  | 294.6  | 312.1  | 328.2  | 348.4  | 359.1  | 363.2  |
| 67.5°  | 227.3  | 231.4  | 232.7  | 239.4  | 246.1  | 256.9  | 266.3  | 282.5  | 301.3  | 308.0  | 316.1  |
| 70°    | 193.7  | 200.4  | 201.8  | 207.1  | 209.8  | 216.6  | 227.3  | 239.4  | 254.2  | 266.3  | 273.1  |
| 72.5°  | 154.7  | 164.1  | 166.8  | 174.9  | 178.9  | 185.6  | 193.7  | 203.1  | 212.5  | 217.9  | 223.3  |
| 75°    | 126.4  | 129.1  | 130.5  | 137.2  | 143.9  | 153.3  | 157.4  | 162.8  | 170.8  | 177.6  | 182.9  |
| 77.5°  | 104.9  | 106.3  | 107.6  | 107.6  | 109.0  | 114.3  | 122.4  | 129.1  | 134.5  | 137.2  | 141.2  |
| 80°    | 84.7   | 83.4   | 83.4   | 84.7   | 84.7   | 84.7   | 87.4   | 96.8   | 99.5   | 106.3  | 104.9  |
| 82.5°  | 65.9   | 63.2   | 64.6   | 63.2   | 63.2   | 63.2   | 63.2   | 64.6   | 64.6   | 68.6   | 71.3   |
| 85°    | 43.0   | 44.4   | 43.0   | 43.0   | 41.7   | 43.0   | 41.7   | 41.7   | 40.4   | 40.4   | 39.0   |
| 87.5°  | 22.9   | 24.2   | 22.9   | 22.9   | 21.5   | 22.9   | 21.5   | 21.5   | 20.2   | 20.2   | 17.5   |
| 90°    | 9.7    | 9.4    | 9.1    | 8.8    | 8.5    | 7.5    | 6.5    | 5.4    | 4.4    | 3.9    | 3.5    |
| 92.5°  | 11.4   | 10.9   | 10.3   | 9.8    | 9.2    | 8.5    | 7.8    | 7.1    | 6.4    | 6.0    | 6.2    |
| 95°    | 13.1   | 12.6   | 12.1   | 11.5   | 11.0   | 10.1   | 9.3    | 8.4    | 7.5    | 7.1    | 8.7    |
| 97.5°  | 13.8   | 13.2   | 12.5   | 11.9   | 11.3   | 15.3   | 19.3   | 23.3   | 27.3   | 29.3   | 30.4   |
| 100°   | 14.2   | 13.6   | 12.9   | 12.3   | 11.7   | 23.9   | 36.2   | 48.4   | 60.7   | 66.8   | 66.0   |
| 102.5° | 15.8   | 18.4   | 20.9   | 23.5   | 26.1   | 39.8   | 53.4   | 67.1   | 80.8   | 87.6   | 87.1   |
| 105°   | 21.8   | 35.7   | 49.6   | 63.5   | 77.4   | 84.5   | 91.5   | 98.6   | 105.7  | 109.2  | 108.8  |
| 107.5° | 89.1   | 101.2  | 113.3  | 125.4  | 137.5  | 136.3  | 135.1  | 134.0  | 132.8  | 132.2  | 131.8  |
| 110°   | 149.0  | 151.6  | 154.2  | 156.8  | 159.4  | 158.5  | 157.7  | 156.8  | 155.9  | 155.5  | 155.2  |



TEST NUMBER: P1010792

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 184.4 | 183.7 | 183.0 | 182.3 | 181.6 | 180.7 | 179.9 | 179.0 | 178.1 | 177.7  | 177.4 |
| 115°   | 206.0 | 205.2 | 204.4 | 203.6 | 202.8 | 202.1 | 201.4 | 200.7 | 200.0 | 199.7  | 199.5 |
| 117.5° | 226.2 | 225.6 | 224.9 | 224.3 | 223.7 | 223.3 | 222.9 | 222.5 | 222.1 | 221.9  | 221.6 |
| 120°   | 246.4 | 245.7 | 245.1 | 244.4 | 243.8 | 243.6 | 243.4 | 243.1 | 242.9 | 242.8  | 242.4 |
| 122.5° | 265.5 | 265.1 | 264.8 | 264.4 | 264.0 | 263.7 | 263.4 | 263.1 | 262.8 | 262.6  | 262.3 |
| 125°   | 283.3 | 283.2 | 283.0 | 282.9 | 282.7 | 282.4 | 282.1 | 281.8 | 281.5 | 281.3  | 281.0 |
| 127.5° | 302.4 | 302.1 | 301.9 | 301.6 | 301.4 | 301.0 | 300.6 | 300.3 | 299.9 | 299.7  | 299.4 |
| 130°   | 319.3 | 319.0 | 318.7 | 318.3 | 318.0 | 317.7 | 317.4 | 317.1 | 316.8 | 316.6  | 316.3 |
| 132.5° | 335.2 | 334.9 | 334.6 | 334.2 | 333.9 | 333.7 | 333.5 | 333.2 | 333.0 | 332.9  | 332.6 |
| 135°   | 351.2 | 350.9 | 350.7 | 350.4 | 350.2 | 349.9 | 349.6 | 349.3 | 349.0 | 348.8  | 348.6 |
| 137.5° | 365.9 | 365.5 | 365.1 | 364.7 | 364.3 | 364.1 | 364.0 | 363.8 | 363.7 | 363.6  | 363.3 |
| 140°   | 379.3 | 379.0 | 378.7 | 378.4 | 378.1 | 377.9 | 377.7 | 377.4 | 377.2 | 377.1  | 376.9 |
| 142.5° | 392.1 | 391.9 | 391.6 | 391.4 | 391.2 | 391.0 | 390.7 | 390.5 | 390.2 | 390.1  | 389.9 |
| 145°   | 403.8 | 403.7 | 403.5 | 403.4 | 403.2 | 403.0 | 402.9 | 402.7 | 402.6 | 402.5  | 402.2 |
| 147.5° | 414.8 | 414.7 | 414.5 | 414.4 | 414.2 | 414.0 | 413.9 | 413.7 | 413.6 | 413.5  | 413.3 |
| 150°   | 424.7 | 424.6 | 424.4 | 424.3 | 424.1 | 423.9 | 423.7 | 423.6 | 423.4 | 423.3  | 423.2 |
| 152.5° | 433.7 | 433.4 | 433.1 | 432.8 | 432.5 | 432.4 | 432.4 | 432.3 | 432.2 | 432.2  | 432.2 |
| 155°   | 441.9 | 441.5 | 441.1 | 440.7 | 440.3 | 440.2 | 440.2 | 440.1 | 440.0 | 440.0  | 440.1 |
| 157.5° | 449.3 | 448.8 | 448.3 | 447.9 | 447.4 | 447.5 | 447.5 | 447.6 | 447.7 | 447.7  | 447.7 |
| 160°   | 455.3 | 454.8 | 454.3 | 453.9 | 453.4 | 453.5 | 453.5 | 453.6 | 453.7 | 453.7  | 453.7 |
| 162.5° | 460.9 | 460.4 | 459.8 | 459.3 | 458.7 | 458.8 | 458.8 | 458.9 | 459.0 | 459.0  | 459.1 |
| 165°   | 465.8 | 465.2 | 464.5 | 463.9 | 463.3 | 463.4 | 463.4 | 463.5 | 463.6 | 463.6  | 463.7 |
| 167.5° | 469.7 | 469.1 | 468.4 | 467.8 | 467.2 | 467.2 | 467.2 | 467.2 | 467.2 | 467.2  | 467.4 |
| 170°   | 472.9 | 472.2 | 471.6 | 470.9 | 470.3 | 470.3 | 470.3 | 470.3 | 470.3 | 470.3  | 470.5 |
| 172.5° | 475.0 | 474.4 | 473.7 | 473.1 | 472.5 | 472.4 | 472.3 | 472.2 | 472.1 | 472.1  | 472.3 |
| 175°   | 476.4 | 475.9 | 475.3 | 474.8 | 474.2 | 474.1 | 474.1 | 474.0 | 473.9 | 473.9  | 474.1 |
| 177.5° | 477.5 | 476.8 | 476.2 | 475.5 | 474.9 | 474.8 | 474.8 | 474.7 | 474.6 | 474.6  | 474.8 |
| 180°   | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6 | 475.6  | 475.6 |

TEST NUMBER: P1010792

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**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1571.0 | 1571.0 | 1571.0 | 1571.0 |
| 2.5°   | 1530.7 | 1540.1 | 1558.9 | 1575.1 |
| 5°     | 1498.4 | 1513.2 | 1541.5 | 1569.7 |
| 7.5°   | 1459.4 | 1482.3 | 1518.6 | 1557.6 |
| 10°    | 1421.7 | 1451.3 | 1495.7 | 1541.5 |
| 12.5°  | 1384.1 | 1415.0 | 1462.1 | 1521.3 |
| 15°    | 1339.7 | 1372.0 | 1428.5 | 1499.8 |
| 17.5°  | 1300.7 | 1343.7 | 1394.8 | 1466.1 |
| 20°    | 1259.0 | 1291.3 | 1357.2 | 1432.5 |
| 22.5°  | 1206.5 | 1260.3 | 1322.2 | 1401.6 |
| 25°    | 1164.8 | 1211.9 | 1273.8 | 1363.9 |
| 27.5°  | 1113.7 | 1168.9 | 1244.2 | 1323.6 |
| 30°    | 1072.0 | 1117.8 | 1187.7 | 1283.2 |
| 32.5°  | 1023.6 | 1077.4 | 1150.0 | 1244.2 |
| 35°    | 980.6  | 1026.3 | 1094.9 | 1190.4 |
| 37.5°  | 929.4  | 979.2  | 1055.9 | 1140.6 |
| 40°    | 885.1  | 933.5  | 1006.1 | 1085.5 |
| 42.5°  | 831.3  | 882.4  | 955.0  | 1022.3 |
| 45°    | 788.2  | 835.3  | 893.1  | 955.0  |
| 47.5°  | 735.8  | 785.5  | 842.0  | 885.1  |
| 50°    | 688.7  | 734.4  | 778.8  | 815.1  |
| 52.5°  | 637.6  | 679.3  | 719.6  | 746.5  |
| 55°    | 590.5  | 622.8  | 655.1  | 673.9  |
| 57.5°  | 535.3  | 566.3  | 593.2  | 603.9  |
| 60°    | 486.9  | 512.5  | 530.0  | 542.1  |
| 62.5°  | 435.8  | 454.6  | 468.1  | 474.8  |
| 65°    | 386.0  | 399.5  | 406.2  | 412.9  |
| 67.5°  | 334.9  | 347.0  | 351.1  | 359.1  |
| 70°    | 281.1  | 294.6  | 297.3  | 301.3  |
| 72.5°  | 240.8  | 240.8  | 246.1  | 251.5  |
| 75°    | 192.3  | 195.0  | 197.7  | 197.7  |
| 77.5°  | 150.6  | 150.6  | 153.3  | 154.7  |
| 80°    | 110.3  | 111.6  | 111.6  | 110.3  |
| 82.5°  | 75.3   | 78.0   | 75.3   | 74.0   |
| 85°    | 41.7   | 47.1   | 44.4   | 44.4   |
| 87.5°  | 17.5   | 17.5   | 20.2   | 17.5   |
| 90°    | 2.7    | 2.0    | 1.2    | 0.4    |
| 92.5°  | 6.7    | 7.2    | 7.6    | 8.1    |
| 95°    | 11.9   | 15.2   | 18.4   | 21.6   |
| 97.5°  | 32.6   | 34.8   | 37.0   | 39.2   |
| 100°   | 64.4   | 62.9   | 61.3   | 59.7   |
| 102.5° | 86.1   | 85.0   | 84.0   | 83.0   |
| 105°   | 107.9  | 107.0  | 106.2  | 105.3  |
| 107.5° | 131.1  | 130.4  | 129.7  | 129.0  |
| 110°   | 154.6  | 153.9  | 153.3  | 152.7  |

TEST NUMBER: P1010792

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 176.9 | 176.4 | 175.8 | 175.3 |
| 115°   | 199.0 | 198.5 | 198.0 | 197.5 |
| 117.5° | 221.1 | 220.5 | 220.0 | 219.4 |
| 120°   | 241.7 | 241.0 | 240.3 | 239.6 |
| 122.5° | 261.8 | 261.2 | 260.7 | 260.1 |
| 125°   | 280.4 | 279.7 | 279.1 | 278.5 |
| 127.5° | 298.7 | 298.1 | 297.4 | 296.8 |
| 130°   | 315.7 | 315.0 | 314.4 | 313.8 |
| 132.5° | 332.0 | 331.3 | 330.7 | 330.1 |
| 135°   | 348.1 | 347.6 | 347.2 | 346.7 |
| 137.5° | 362.7 | 362.0 | 361.4 | 360.8 |
| 140°   | 376.4 | 375.9 | 375.4 | 374.9 |
| 142.5° | 389.4 | 388.9 | 388.5 | 388.0 |
| 145°   | 401.7 | 401.1 | 400.6 | 400.0 |
| 147.5° | 412.9 | 412.5 | 412.1 | 411.7 |
| 150°   | 423.0 | 422.7 | 422.5 | 422.3 |
| 152.5° | 432.1 | 432.0 | 431.9 | 431.8 |
| 155°   | 440.2 | 440.4 | 440.5 | 440.7 |
| 157.5° | 447.7 | 447.7 | 447.7 | 447.7 |
| 160°   | 453.8 | 453.9 | 454.0 | 454.1 |
| 162.5° | 459.4 | 459.6 | 459.9 | 460.1 |
| 165°   | 464.0 | 464.2 | 464.5 | 464.7 |
| 167.5° | 467.7 | 468.0 | 468.3 | 468.6 |
| 170°   | 470.8 | 471.1 | 471.5 | 471.8 |
| 172.5° | 472.7 | 473.1 | 473.5 | 473.9 |
| 175°   | 474.5 | 474.8 | 475.2 | 475.6 |
| 177.5° | 475.2 | 475.6 | 476.0 | 476.4 |
| 180°   | 475.6 | 475.6 | 475.6 | 475.6 |

(END OF REPORT)