

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: NEO-RAY

Report Number: P332296

Luminaire Tested: **S123RDIP-S560D1195U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332296  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIP-S560D1195U835-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1195 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6550.3 lumens  
Efficiency: N/A  
Efficacy: 132.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Indirect

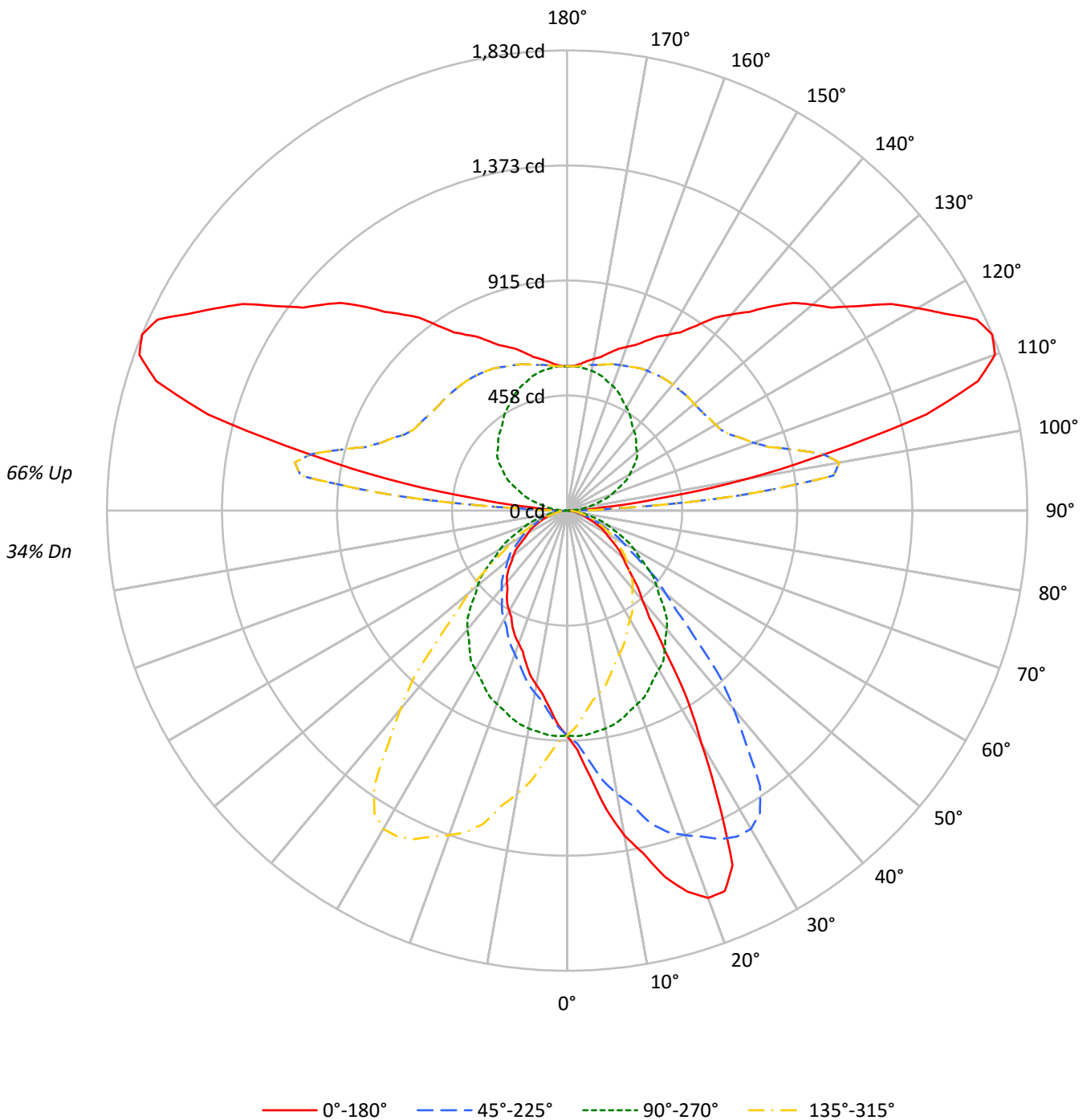
Input Watts (W): 49.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332296

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### Luminous Intensity Polar Plot





TEST NUMBER: P332296

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |    |    |    |    |    | 20 |    |    |    |    |    |    |    |    | 20 |    |    |    |    |    |    |    |   | 20 |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |    |    |    |    |    | 70 |    |    |    |    |    |    |    |    | 50 |    |    |    |    |    |    |    |   | 30 |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 0   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 57 | 57 | 57 | 41 | 41 | 41 | 34 |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 95  | 91  | 87  | 84  | 85 | 82 | 79 | 76 | 66 | 64 | 62 | 51 | 50 | 48 | 37 | 36 | 36 | 29 |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 86  | 79  | 74  | 69  | 78 | 72 | 67 | 63 | 58 | 55 | 52 | 45 | 43 | 41 | 33 | 32 | 31 | 25 |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 79  | 70  | 63  | 58  | 71 | 64 | 58 | 53 | 52 | 47 | 44 | 40 | 37 | 35 | 30 | 28 | 27 | 22 |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 72  | 62  | 55  | 49  | 65 | 57 | 50 | 45 | 46 | 41 | 38 | 36 | 33 | 30 | 27 | 25 | 23 | 19 |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 67  | 56  | 48  | 42  | 60 | 51 | 44 | 39 | 41 | 36 | 33 | 32 | 29 | 26 | 24 | 22 | 20 | 17 |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 61  | 50  | 42  | 37  | 55 | 45 | 39 | 34 | 37 | 32 | 29 | 29 | 26 | 23 | 22 | 20 | 18 | 15 |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 57  | 45  | 37  | 32  | 51 | 41 | 34 | 30 | 34 | 29 | 25 | 27 | 23 | 21 | 20 | 18 | 16 | 13 |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 53  | 41  | 33  | 28  | 47 | 37 | 31 | 26 | 31 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | 15 | 12 |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 49  | 37  | 30  | 25  | 44 | 34 | 28 | 23 | 28 | 23 | 20 | 23 | 19 | 17 | 17 | 15 | 13 | 11 |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 46  | 34  | 27  | 23  | 41 | 31 | 25 | 21 | 26 | 21 | 18 | 21 | 17 | 15 | 16 | 14 | 12 | 10 |    |    |    |    |    |    |    |    |   |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°    | 90°  | 180° | 270° |
|-----|-------|------|------|------|
| 0°  | 9630  | 9630 | 9630 | 9630 |
| 5°  | 11480 | 9672 | 8518 | 9672 |
| 10° | 14335 | 9616 | 7695 | 9616 |
| 15° | 16826 | 9518 | 7017 | 9518 |
| 20° | 18778 | 9371 | 6441 | 9371 |
| 25° | 18478 | 9216 | 6087 | 9216 |
| 30° | 13282 | 9073 | 5722 | 9073 |
| 35° | 8868  | 8888 | 5486 | 8888 |
| 40° | 6534  | 8665 | 5243 | 8665 |
| 45° | 5480  | 8273 | 5002 | 8273 |
| 50° | 4836  | 7762 | 4669 | 7762 |
| 55° | 4241  | 7174 | 4211 | 7174 |
| 60° | 3776  | 6613 | 3860 | 6613 |
| 65° | 3316  | 6008 | 3591 | 6008 |
| 70° | 2603  | 5473 | 3279 | 5473 |
| 75° | 2296  | 4779 | 2994 | 4779 |
| 80° | 1996  | 4060 | 2944 | 4060 |
| 85° | 1606  | 3260 | 3125 | 3260 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 88.0   | 1.3       |
| 10°-20°   | 274.9  | 4.2       |
| 20°-30°   | 431.9  | 6.6       |
| 30°-40°   | 450.6  | 6.9       |
| 40°-50°   | 385.6  | 5.9       |
| 50°-60°   | 293.9  | 4.5       |
| 60°-70°   | 188.4  | 2.9       |
| 70°-80°   | 90.6   | 1.4       |
| 80°-90°   | 28.4   | 0.4       |
| 90°-100°  | 319.4  | 4.9       |
| 100°-110° | 904.4  | 13.8      |
| 110°-120° | 889.7  | 13.6      |
| 120°-130° | 709.7  | 10.8      |
| 130°-140° | 559.5  | 8.5       |
| 140°-150° | 417.6  | 6.4       |
| 150°-160° | 291.1  | 4.4       |
| 160°-170° | 171.0  | 2.6       |
| 170°-180° | 55.6   | 0.8       |
| 0°-30°    | 794.7  | 12.1      |
| 0°-40°    | 1245.3 | 19.0      |
| 0°-60°    | 1924.8 | 29.4      |
| 0°-90°    | 2232.2 | 34.1      |
| 90°-120°  | 2113.6 | 32.3      |
| 90°-150°  | 3800.4 | 58.0      |
| 90°-180°  | 4318.0 | 65.9      |
| 0°-180°   | 6550.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0°   | 895  | 895 | 895  | 895  | 895  |      |
| 5°   | 1062 | 895 | 788  | 895  | 1062 | 110  |
| 15°  | 1510 | 854 | 630  | 854  | 1510 | 428  |
| 25°  | 1556 | 776 | 512  | 776  | 1556 | 669  |
| 35°  | 675  | 676 | 418  | 676  | 675  | 442  |
| 45°  | 360  | 544 | 329  | 544  | 360  | 283  |
| 55°  | 226  | 382 | 224  | 382  | 226  | 204  |
| 65°  | 130  | 236 | 141  | 236  | 130  | 128  |
| 75°  | 55   | 115 | 72   | 115  | 55   | 59   |
| 85°  | 13   | 26  | 25   | 26   | 13   | 16   |
| 90°  | 34   | 2   | 34   | 2    | 34   | 18   |
| 95°  | 135  | 40  | 135  | 40   | 135  | 243  |
| 105° | 1478 | 135 | 1478 | 135  | 1478 | 1458 |
| 115° | 1797 | 238 | 1797 | 238  | 1797 | 1746 |
| 125° | 1418 | 331 | 1418 | 331  | 1418 | 1285 |
| 135° | 1149 | 388 | 1149 | 388  | 1149 | 891  |
| 145° | 898  | 443 | 898  | 443  | 898  | 571  |
| 155° | 745  | 503 | 745  | 503  | 745  | 347  |
| 165° | 650  | 550 | 650  | 550  | 650  | 186  |
| 175° | 584  | 573 | 584  | 573  | 584  | 57   |
| 180° | 574  | 574 | 574  | 574  | 574  |      |



TEST NUMBER: P332296

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  |
| 2.5°   | 952.9  | 954.2  | 950.2  | 949.6  | 945.0  | 943.8  | 943.8  | 937.3  | 933.3  | 928.1  | 925.1  |
| 5°     | 1062.5 | 1068.6 | 1065.6 | 1058.7 | 1047.2 | 1044.5 | 1037.2 | 1025.7 | 1012.7 | 996.6  | 989.0  |
| 7.5°   | 1199.3 | 1207.7 | 1204.4 | 1193.8 | 1181.8 | 1172.0 | 1151.5 | 1132.4 | 1105.7 | 1082.3 | 1062.2 |
| 10°    | 1311.5 | 1302.6 | 1295.8 | 1285.4 | 1274.3 | 1256.3 | 1234.9 | 1205.4 | 1171.3 | 1144.5 | 1114.6 |
| 12.5°  | 1395.4 | 1394.0 | 1385.2 | 1374.6 | 1358.9 | 1341.8 | 1315.4 | 1279.5 | 1239.9 | 1201.1 | 1167.0 |
| 15°    | 1509.9 | 1512.2 | 1506.4 | 1495.3 | 1473.1 | 1442.8 | 1403.0 | 1388.1 | 1331.4 | 1289.2 | 1247.1 |
| 17.5°  | 1589.1 | 1588.6 | 1587.8 | 1572.4 | 1549.8 | 1528.2 | 1491.3 | 1452.0 | 1400.7 | 1341.3 | 1284.6 |
| 20°    | 1639.3 | 1635.5 | 1636.3 | 1619.0 | 1602.2 | 1577.3 | 1541.3 | 1484.2 | 1442.1 | 1373.5 | 1314.9 |
| 22.5°  | 1638.1 | 1637.3 | 1640.2 | 1634.3 | 1622.1 | 1603.0 | 1574.7 | 1526.5 | 1472.7 | 1403.5 | 1337.6 |
| 25°    | 1555.8 | 1552.8 | 1570.8 | 1575.7 | 1595.3 | 1598.7 | 1590.3 | 1563.9 | 1512.9 | 1441.7 | 1360.1 |
| 27.5°  | 1302.1 | 1300.4 | 1333.8 | 1375.6 | 1428.7 | 1469.9 | 1509.7 | 1528.9 | 1512.9 | 1461.9 | 1380.2 |
| 30°    | 1068.6 | 1104.6 | 1121.5 | 1182.0 | 1249.4 | 1329.8 | 1400.3 | 1467.3 | 1483.8 | 1461.6 | 1394.6 |
| 32.5°  | 887.2  | 918.6  | 932.7  | 984.7  | 1047.5 | 1141.7 | 1247.4 | 1342.3 | 1409.4 | 1426.4 | 1386.0 |
| 35°    | 674.9  | 675.3  | 707.4  | 730.4  | 788.6  | 885.5  | 988.2  | 1115.3 | 1241.7 | 1337.5 | 1347.5 |
| 37.5°  | 538.5  | 540.4  | 559.9  | 582.8  | 626.5  | 677.7  | 768.1  | 873.8  | 1019.8 | 1166.8 | 1253.0 |
| 40°    | 465.0  | 468.4  | 483.0  | 505.6  | 537.0  | 575.7  | 646.2  | 745.7  | 867.5  | 1031.1 | 1164.8 |
| 42.5°  | 417.8  | 423.4  | 430.9  | 448.3  | 467.7  | 504.0  | 561.0  | 637.9  | 748.6  | 903.3  | 1057.5 |
| 45°    | 360.0  | 363.1  | 368.8  | 376.9  | 394.5  | 419.8  | 458.1  | 509.8  | 601.7  | 726.2  | 880.6  |
| 47.5°  | 317.6  | 316.0  | 322.0  | 328.6  | 340.3  | 357.5  | 383.2  | 425.4  | 491.0  | 590.8  | 721.8  |
| 50°    | 288.8  | 288.4  | 292.6  | 297.6  | 308.7  | 321.4  | 342.4  | 374.2  | 426.3  | 509.0  | 628.9  |
| 52.5°  | 261.8  | 263.3  | 266.3  | 272.5  | 280.5  | 290.7  | 309.6  | 332.5  | 377.3  | 448.7  | 548.6  |
| 55°    | 226.0  | 227.1  | 231.3  | 234.8  | 240.5  | 250.9  | 262.8  | 281.9  | 312.5  | 362.3  | 444.7  |
| 57.5°  | 195.6  | 195.1  | 199.2  | 200.0  | 206.5  | 214.9  | 224.1  | 239.0  | 261.2  | 298.2  | 353.7  |
| 60°    | 175.4  | 174.3  | 177.7  | 180.4  | 183.8  | 190.7  | 198.4  | 213.0  | 230.6  | 257.8  | 305.3  |
| 62.5°  | 157.0  | 156.5  | 159.0  | 161.7  | 164.5  | 170.8  | 177.3  | 188.4  | 202.4  | 225.3  | 263.0  |
| 65°    | 130.2  | 131.4  | 132.5  | 133.7  | 135.2  | 139.0  | 145.2  | 152.8  | 162.4  | 178.5  | 205.7  |
| 67.5°  | 102.3  | 103.5  | 103.9  | 106.2  | 109.5  | 111.9  | 115.7  | 122.5  | 129.2  | 142.7  | 158.2  |
| 70°    | 82.7   | 82.3   | 82.7   | 83.9   | 88.1   | 92.3   | 97.3   | 102.3  | 106.5  | 116.1  | 129.1  |
| 72.5°  | 71.1   | 70.4   | 71.4   | 71.6   | 73.7   | 74.8   | 78.0   | 82.7   | 88.1   | 94.6   | 104.0  |
| 75°    | 55.2   | 55.2   | 55.2   | 55.2   | 56.7   | 57.5   | 58.6   | 59.8   | 61.7   | 64.7   | 71.6   |
| 77.5°  | 40.8   | 40.8   | 41.4   | 41.7   | 42.1   | 42.5   | 43.2   | 44.4   | 45.0   | 46.7   | 49.6   |
| 80°    | 32.2   | 32.6   | 32.2   | 32.6   | 32.6   | 33.3   | 33.7   | 34.9   | 35.2   | 37.2   | 38.3   |
| 82.5°  | 24.2   | 24.0   | 24.2   | 24.6   | 24.6   | 25.4   | 25.4   | 26.3   | 26.4   | 27.3   | 28.5   |
| 85°    | 13.0   | 12.3   | 13.0   | 12.6   | 13.4   | 12.6   | 13.0   | 13.8   | 13.8   | 14.2   | 15.7   |
| 87.5°  | 9.8    | 10.6   | 9.8    | 9.9    | 10.1   | 10.0   | 9.7    | 9.5    | 9.9    | 9.8    | 9.4    |
| 90°    | 33.7   | 34.9   | 33.7   | 32.5   | 33.7   | 31.4   | 30.2   | 29.0   | 27.9   | 29.0   | 25.6   |
| 92.5°  | 56.0   | 58.1   | 56.9   | 60.4   | 62.5   | 68.5   | 77.6   | 97.8   | 134.8  | 178.7  | 196.6  |
| 95°    | 134.8  | 139.4  | 147.6  | 158.0  | 180.1  | 221.9  | 283.5  | 418.3  | 558.8  | 689.0  | 613.5  |
| 97.5°  | 366.9  | 376.9  | 408.3  | 460.6  | 546.3  | 685.3  | 835.1  | 1042.6 | 1142.3 | 1067.7 | 781.7  |
| 100°   | 728.5  | 727.3  | 772.6  | 857.4  | 974.8  | 1139.8 | 1275.7 | 1369.8 | 1329.2 | 1100.3 | 743.6  |
| 102.5° | 1068.7 | 1095.4 | 1133.3 | 1200.4 | 1291.7 | 1396.3 | 1475.5 | 1478.6 | 1338.4 | 1039.9 | 687.8  |
| 105°   | 1477.9 | 1483.7 | 1520.9 | 1565.0 | 1618.5 | 1648.7 | 1626.6 | 1510.4 | 1267.6 | 934.1  | 619.3  |
| 107.5° | 1713.5 | 1724.2 | 1736.7 | 1751.6 | 1750.7 | 1709.3 | 1607.5 | 1418.8 | 1143.5 | 840.7  | 575.6  |
| 110°   | 1810.2 | 1812.5 | 1814.8 | 1805.5 | 1773.0 | 1691.7 | 1545.3 | 1331.5 | 1065.4 | 787.7  | 558.8  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°   | 45°   | 50°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 112.5° | 1829.7 | 1829.2 | 1820.4 | 1791.6 | 1732.1 | 1627.5 | 1463.5 | 1245.0 | 997.6 | 752.4 | 549.6 |
| 115°   | 1797.4 | 1791.6 | 1768.3 | 1717.2 | 1630.1 | 1503.4 | 1332.6 | 1130.5 | 915.5 | 714.5 | 546.1 |
| 117.5° | 1694.7 | 1686.8 | 1653.3 | 1594.8 | 1503.9 | 1375.4 | 1222.0 | 1047.5 | 866.0 | 692.2 | 548.2 |
| 120°   | 1609.2 | 1602.2 | 1574.3 | 1509.2 | 1417.5 | 1300.1 | 1160.7 | 1003.8 | 840.0 | 682.0 | 551.9 |
| 122.5° | 1529.2 | 1520.4 | 1489.7 | 1431.2 | 1349.6 | 1240.6 | 1111.4 | 969.4  | 818.6 | 675.5 | 558.4 |
| 125°   | 1417.5 | 1409.3 | 1380.3 | 1329.2 | 1254.8 | 1161.8 | 1050.3 | 923.7  | 791.2 | 666.9 | 568.1 |
| 127.5° | 1325.4 | 1318.0 | 1291.7 | 1248.1 | 1181.8 | 1097.2 | 996.6  | 883.7  | 767.1 | 662.7 | 579.3 |
| 130°   | 1273.4 | 1264.1 | 1239.7 | 1197.9 | 1136.3 | 1057.3 | 963.2  | 858.6  | 754.0 | 659.9 | 586.7 |
| 132.5° | 1222.3 | 1215.8 | 1194.1 | 1152.3 | 1094.5 | 1019.2 | 931.6  | 835.4  | 742.0 | 659.0 | 592.3 |
| 135°   | 1149.1 | 1140.9 | 1120.0 | 1085.2 | 1028.2 | 962.0  | 886.5  | 804.0  | 726.2 | 657.6 | 600.7 |
| 137.5° | 1071.7 | 1066.3 | 1048.7 | 1013.4 | 965.5  | 908.1  | 843.0  | 775.4  | 712.4 | 655.0 | 606.3 |
| 140°   | 1017.8 | 1018.9 | 1000.4 | 967.8  | 923.7  | 873.7  | 817.9  | 758.7  | 704.1 | 654.1 | 610.0 |
| 142.5° | 967.6  | 968.7  | 952.0  | 923.2  | 885.6  | 842.1  | 793.8  | 742.9  | 696.6 | 652.3 | 612.8 |
| 145°   | 898.1  | 895.8  | 886.5  | 862.1  | 833.0  | 799.4  | 762.2  | 723.8  | 686.7 | 649.5 | 614.6 |
| 147.5° | 840.9  | 840.0  | 831.2  | 814.7  | 792.6  | 768.7  | 738.7  | 708.3  | 676.9 | 645.1 | 614.6 |
| 150°   | 807.5  | 807.5  | 800.5  | 787.7  | 770.3  | 748.2  | 723.8  | 697.1  | 670.4 | 641.3 | 614.6 |
| 152.5° | 779.6  | 779.6  | 775.4  | 763.6  | 749.9  | 731.5  | 709.9  | 686.9  | 663.0 | 636.7 | 611.8 |
| 155°   | 744.7  | 743.6  | 741.3  | 732.0  | 721.5  | 707.6  | 690.1  | 671.5  | 651.8 | 628.6 | 608.8 |
| 157.5° | 712.9  | 713.1  | 711.3  | 704.3  | 695.2  | 684.3  | 670.9  | 655.3  | 639.2 | 621.4 | 604.9 |
| 160°   | 692.5  | 693.6  | 693.6  | 686.7  | 678.5  | 670.4  | 658.8  | 646.0  | 630.9 | 615.8 | 603.0 |
| 162.5° | 673.9  | 675.0  | 675.0  | 669.0  | 663.6  | 656.4  | 645.8  | 634.8  | 622.5 | 610.2 | 599.3 |
| 165°   | 649.5  | 649.5  | 650.6  | 646.0  | 641.3  | 635.5  | 627.4  | 620.4  | 611.1 | 601.8 | 593.7 |
| 167.5° | 626.2  | 626.2  | 627.4  | 624.1  | 622.1  | 617.9  | 613.2  | 607.9  | 600.2 | 593.5 | 588.1 |
| 170°   | 612.3  | 612.3  | 613.5  | 611.1  | 610.0  | 607.6  | 603.0  | 599.5  | 593.7 | 587.9 | 584.4 |
| 172.5° | 599.3  | 600.2  | 602.3  | 600.0  | 599.7  | 598.4  | 594.6  | 592.1  | 587.2 | 583.2 | 581.6 |
| 175°   | 584.4  | 585.6  | 586.7  | 585.6  | 585.6  | 585.6  | 583.2  | 582.1  | 579.8 | 577.4 | 577.4 |
| 177.5° | 575.8  | 575.8  | 577.7  | 576.7  | 577.7  | 577.7  | 576.7  | 575.8  | 574.9 | 574.0 | 574.9 |
| 180°   | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0 | 574.0 | 574.0 |



TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 894.7  | 894.7  | 894.7  | 894.7  | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 |
| 2.5°   | 923.8  | 922.9  | 918.6  | 913.7  | 907.3 | 903.0 | 899.6 | 897.8 | 892.3 | 885.5 | 880.9 |
| 5°     | 980.9  | 969.4  | 957.2  | 942.2  | 928.4 | 914.3 | 905.5 | 895.1 | 882.5 | 868.3 | 858.3 |
| 7.5°   | 1042.0 | 1019.5 | 995.2  | 970.2  | 945.4 | 923.2 | 903.6 | 886.8 | 866.7 | 846.4 | 832.1 |
| 10°    | 1088.9 | 1056.0 | 1021.9 | 987.0  | 955.2 | 925.4 | 902.4 | 879.8 | 855.7 | 832.3 | 814.7 |
| 12.5°  | 1131.5 | 1088.2 | 1048.9 | 1006.0 | 965.4 | 929.7 | 896.6 | 870.0 | 841.0 | 816.1 | 796.0 |
| 15°    | 1185.4 | 1141.0 | 1093.5 | 1028.4 | 974.4 | 929.2 | 889.0 | 854.1 | 818.9 | 788.3 | 768.7 |
| 17.5°  | 1235.8 | 1169.0 | 1105.2 | 1050.8 | 980.7 | 924.2 | 875.1 | 833.4 | 794.8 | 762.3 | 738.2 |
| 20°    | 1256.7 | 1192.0 | 1122.6 | 1053.3 | 984.4 | 921.2 | 864.1 | 818.1 | 777.9 | 741.1 | 718.9 |
| 22.5°  | 1269.2 | 1195.9 | 1122.9 | 1048.4 | 975.2 | 909.5 | 853.1 | 802.5 | 758.9 | 724.0 | 696.6 |
| 25°    | 1283.9 | 1196.5 | 1116.1 | 1042.6 | 967.9 | 896.6 | 829.6 | 776.0 | 728.9 | 691.7 | 662.6 |
| 27.5°  | 1293.5 | 1190.8 | 1095.7 | 1014.0 | 938.2 | 867.3 | 805.9 | 749.0 | 701.2 | 661.9 | 630.7 |
| 30°    | 1295.4 | 1186.2 | 1080.1 | 991.6  | 914.6 | 849.5 | 784.4 | 730.0 | 679.5 | 637.7 | 608.6 |
| 32.5°  | 1297.8 | 1174.9 | 1059.0 | 965.0  | 886.2 | 821.7 | 762.7 | 710.7 | 658.9 | 617.8 | 588.1 |
| 35°    | 1287.7 | 1168.6 | 1026.9 | 918.9  | 840.0 | 777.5 | 724.3 | 676.4 | 625.5 | 585.6 | 555.4 |
| 37.5°  | 1244.2 | 1143.7 | 993.6  | 866.9  | 784.4 | 726.6 | 683.2 | 641.5 | 594.8 | 551.8 | 523.3 |
| 40°    | 1200.4 | 1119.2 | 967.9  | 835.4  | 749.2 | 689.8 | 650.7 | 616.7 | 571.5 | 531.2 | 500.6 |
| 42.5°  | 1135.1 | 1085.8 | 943.4  | 802.3  | 709.3 | 652.1 | 619.2 | 587.2 | 547.6 | 506.7 | 477.9 |
| 45°    | 1015.4 | 1021.9 | 893.2  | 749.6  | 654.2 | 596.7 | 565.7 | 543.5 | 508.3 | 474.6 | 445.1 |
| 47.5°  | 865.2  | 926.1  | 834.3  | 693.4  | 596.1 | 542.1 | 515.0 | 495.6 | 471.9 | 438.8 | 411.9 |
| 50°    | 767.2  | 854.1  | 787.1  | 655.7  | 559.6 | 506.0 | 479.2 | 463.5 | 442.8 | 416.7 | 391.1 |
| 52.5°  | 676.8  | 770.2  | 730.1  | 613.7  | 520.1 | 471.0 | 444.8 | 431.9 | 415.5 | 391.0 | 367.8 |
| 55°    | 551.9  | 646.5  | 637.3  | 550.4  | 460.8 | 416.7 | 396.8 | 382.3 | 371.1 | 352.8 | 334.4 |
| 57.5°  | 446.4  | 536.1  | 540.9  | 479.9  | 408.5 | 365.0 | 347.9 | 336.9 | 329.6 | 315.8 | 298.8 |
| 60°    | 380.0  | 462.3  | 478.4  | 432.4  | 371.1 | 332.8 | 316.0 | 307.2 | 301.4 | 290.3 | 277.3 |
| 62.5°  | 324.8  | 394.9  | 413.1  | 380.0  | 335.3 | 299.4 | 286.3 | 277.8 | 273.9 | 264.3 | 252.8 |
| 65°    | 248.6  | 306.8  | 324.4  | 306.0  | 282.7 | 253.9 | 243.2 | 235.9 | 232.5 | 227.1 | 218.7 |
| 67.5°  | 186.9  | 229.4  | 248.7  | 235.7  | 227.3 | 209.1 | 202.3 | 198.4 | 195.3 | 191.7 | 184.6 |
| 70°    | 150.1  | 181.6  | 201.5  | 198.0  | 191.1 | 181.6 | 176.6 | 173.9 | 170.8 | 167.8 | 161.6 |
| 72.5°  | 120.7  | 142.3  | 161.0  | 162.8  | 157.1 | 155.2 | 150.8 | 149.7 | 147.8 | 144.2 | 140.8 |
| 75°    | 80.1   | 95.0   | 108.0  | 113.0  | 115.3 | 117.2 | 115.3 | 114.9 | 114.5 | 111.5 | 109.5 |
| 77.5°  | 52.5   | 60.5   | 68.7   | 77.2   | 80.8  | 83.4  | 84.0  | 85.4  | 84.4  | 82.8  | 81.9  |
| 80°    | 40.2   | 42.1   | 47.9   | 55.2   | 60.9  | 63.2  | 64.7  | 65.5  | 65.1  | 64.7  | 63.2  |
| 82.5°  | 29.2   | 30.8   | 33.5   | 38.6   | 43.4  | 47.3  | 48.2  | 48.0  | 48.9  | 49.1  | 47.9  |
| 85°    | 15.7   | 16.1   | 16.9   | 17.6   | 20.3  | 24.5  | 25.7  | 26.4  | 27.2  | 27.2  | 24.9  |
| 87.5°  | 9.3    | 8.3    | 8.2    | 7.8    | 8.2   | 7.8   | 9.2   | 10.3  | 11.0  | 10.3  | 11.0  |
| 90°    | 22.1   | 18.6   | 15.1   | 12.8   | 10.5  | 7.0   | 4.6   | 2.3   | 4.6   | 7.0   | 10.5  |
| 92.5°  | 147.6  | 97.6   | 67.2   | 50.0   | 40.2  | 31.1  | 21.4  | 14.4  | 21.4  | 31.1  | 40.2  |
| 95°    | 422.9  | 249.8  | 151.0  | 105.7  | 75.5  | 55.8  | 43.0  | 39.5  | 43.0  | 55.8  | 75.5  |
| 97.5°  | 464.0  | 268.9  | 174.5  | 125.5  | 95.7  | 78.5  | 68.5  | 67.4  | 68.5  | 78.5  | 95.7  |
| 100°   | 438.0  | 266.1  | 184.7  | 139.4  | 111.5 | 95.3  | 87.1  | 86.0  | 87.1  | 95.3  | 111.5 |
| 102.5° | 415.7  | 269.8  | 196.8  | 155.2  | 130.1 | 114.8 | 107.6 | 105.5 | 107.6 | 114.8 | 130.1 |
| 105°   | 399.7  | 280.0  | 217.3  | 181.2  | 159.2 | 145.2 | 138.3 | 134.8 | 138.3 | 145.2 | 159.2 |
| 107.5° | 398.5  | 299.1  | 244.0  | 210.5  | 189.8 | 176.1 | 169.4 | 165.9 | 169.4 | 176.1 | 189.8 |
| 110°   | 403.2  | 314.9  | 262.6  | 230.0  | 210.3 | 197.5 | 191.7 | 188.2 | 191.7 | 197.5 | 210.3 |





TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 412.5 | 330.7 | 282.1 | 250.5 | 230.7 | 218.0 | 212.2 | 208.7 | 212.2 | 218.0 | 230.7 |
| 115°   | 427.6 | 356.7 | 312.5 | 281.2 | 261.4 | 249.8 | 242.8 | 238.2 | 242.8 | 249.8 | 261.4 |
| 117.5° | 447.5 | 384.3 | 340.7 | 311.6 | 289.5 | 278.8 | 273.0 | 267.7 | 273.0 | 278.8 | 289.5 |
| 120°   | 462.4 | 402.0 | 360.2 | 331.1 | 309.1 | 297.4 | 291.6 | 288.1 | 291.6 | 297.4 | 309.1 |
| 122.5° | 476.4 | 420.6 | 379.7 | 348.8 | 327.6 | 315.1 | 309.3 | 305.8 | 309.3 | 315.1 | 327.6 |
| 125°   | 498.4 | 447.3 | 406.6 | 375.3 | 353.2 | 340.4 | 333.5 | 331.1 | 333.5 | 340.4 | 353.2 |
| 127.5° | 516.6 | 470.5 | 431.3 | 399.9 | 375.5 | 362.5 | 353.9 | 350.4 | 353.9 | 362.5 | 375.5 |
| 130°   | 528.6 | 484.5 | 446.1 | 414.8 | 390.4 | 376.4 | 366.0 | 362.5 | 366.0 | 376.4 | 390.4 |
| 132.5° | 539.8 | 496.6 | 459.2 | 428.7 | 404.3 | 387.6 | 376.2 | 371.8 | 376.2 | 387.6 | 404.3 |
| 135°   | 554.2 | 514.7 | 478.7 | 447.3 | 422.9 | 405.5 | 392.7 | 388.1 | 392.7 | 405.5 | 422.9 |
| 137.5° | 564.9 | 527.2 | 492.6 | 463.6 | 439.4 | 420.8 | 408.3 | 403.4 | 408.3 | 420.8 | 439.4 |
| 140°   | 570.5 | 535.6 | 501.9 | 472.9 | 449.6 | 431.0 | 419.4 | 413.6 | 419.4 | 431.0 | 449.6 |
| 142.5° | 576.0 | 542.1 | 509.4 | 482.2 | 458.9 | 442.2 | 429.7 | 424.8 | 429.7 | 442.2 | 458.9 |
| 145°   | 582.1 | 550.7 | 520.5 | 493.8 | 474.0 | 456.6 | 446.1 | 442.7 | 446.1 | 456.6 | 474.0 |
| 147.5° | 585.8 | 557.7 | 530.0 | 507.3 | 488.2 | 473.1 | 462.9 | 460.8 | 462.9 | 473.1 | 488.2 |
| 150°   | 586.7 | 562.3 | 535.6 | 514.7 | 498.4 | 483.3 | 474.0 | 472.9 | 474.0 | 483.3 | 498.4 |
| 152.5° | 588.6 | 565.1 | 542.1 | 522.1 | 507.7 | 494.5 | 485.2 | 485.0 | 485.2 | 494.5 | 507.7 |
| 155°   | 589.1 | 570.5 | 550.7 | 534.4 | 521.7 | 510.1 | 503.1 | 503.1 | 503.1 | 510.1 | 521.7 |
| 157.5° | 590.2 | 573.5 | 557.7 | 545.1 | 534.2 | 524.0 | 518.4 | 517.5 | 518.4 | 524.0 | 534.2 |
| 160°   | 590.2 | 576.3 | 562.3 | 550.7 | 542.6 | 533.3 | 528.6 | 528.6 | 528.6 | 533.3 | 542.6 |
| 162.5° | 589.3 | 577.2 | 565.1 | 555.4 | 548.2 | 540.7 | 537.0 | 537.0 | 537.0 | 540.7 | 548.2 |
| 165°   | 586.7 | 578.6 | 569.3 | 561.2 | 556.5 | 550.7 | 548.4 | 549.6 | 548.4 | 550.7 | 556.5 |
| 167.5° | 584.9 | 578.4 | 571.6 | 566.5 | 563.3 | 558.8 | 557.7 | 559.1 | 557.7 | 558.8 | 563.3 |
| 170°   | 582.1 | 577.4 | 571.6 | 569.3 | 567.0 | 563.5 | 562.3 | 564.7 | 562.3 | 563.5 | 567.0 |
| 172.5° | 581.2 | 577.4 | 572.6 | 571.2 | 569.8 | 567.2 | 567.0 | 568.4 | 567.0 | 567.2 | 569.8 |
| 175°   | 578.6 | 576.3 | 574.0 | 572.8 | 572.8 | 570.5 | 571.6 | 572.8 | 571.6 | 570.5 | 572.8 |
| 177.5° | 576.7 | 574.9 | 574.0 | 574.0 | 574.0 | 573.0 | 574.0 | 574.9 | 574.0 | 573.0 | 574.0 |
| 180°   | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 |



TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0°     | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  |
| 2.5°   | 879.4 | 875.4 | 872.7 | 866.5 | 862.6 | 858.3  | 854.0  | 856.7  | 856.4  | 856.1  | 856.1  |
| 5°     | 849.9 | 841.1 | 833.1 | 822.7 | 816.2 | 808.2  | 802.0  | 801.3  | 802.8  | 797.4  | 794.4  |
| 7.5°   | 820.7 | 808.6 | 797.2 | 785.8 | 773.7 | 764.0  | 758.0  | 755.2  | 751.3  | 748.0  | 744.5  |
| 10°    | 800.1 | 786.0 | 774.8 | 760.7 | 747.7 | 736.2  | 728.9  | 723.9  | 721.2  | 718.5  | 713.6  |
| 12.5°  | 779.0 | 765.1 | 750.9 | 734.9 | 722.5 | 709.2  | 703.8  | 698.2  | 693.0  | 690.0  | 683.2  |
| 15°    | 748.0 | 730.0 | 715.1 | 698.2 | 684.5 | 671.4  | 663.8  | 652.7  | 651.1  | 647.3  | 640.4  |
| 17.5°  | 717.0 | 697.5 | 676.9 | 664.4 | 648.8 | 635.3  | 623.6  | 619.9  | 608.9  | 604.8  | 598.8  |
| 20°    | 692.5 | 674.5 | 658.8 | 642.3 | 619.7 | 607.1  | 597.9  | 592.9  | 584.1  | 578.7  | 574.9  |
| 22.5°  | 671.4 | 653.0 | 634.9 | 615.7 | 597.0 | 582.9  | 576.1  | 568.4  | 563.6  | 556.1  | 551.9  |
| 25°    | 641.2 | 621.3 | 599.4 | 578.7 | 565.3 | 554.6  | 543.9  | 537.0  | 530.1  | 526.6  | 519.0  |
| 27.5°  | 606.1 | 585.3 | 564.9 | 549.2 | 532.7 | 522.1  | 512.4  | 506.3  | 498.0  | 492.2  | 488.0  |
| 30°    | 586.8 | 562.3 | 544.7 | 530.5 | 509.4 | 499.5  | 492.2  | 484.5  | 478.4  | 472.3  | 468.0  |
| 32.5°  | 564.4 | 542.0 | 525.3 | 507.8 | 491.6 | 480.8  | 471.3  | 464.6  | 459.4  | 453.6  | 449.4  |
| 35°    | 529.3 | 510.6 | 493.3 | 475.7 | 463.8 | 452.7  | 441.6  | 435.9  | 430.9  | 425.5  | 421.7  |
| 37.5°  | 497.6 | 480.1 | 463.7 | 447.0 | 432.3 | 423.2  | 414.3  | 409.9  | 403.2  | 399.6  | 395.7  |
| 40°    | 478.0 | 460.8 | 443.2 | 427.1 | 411.7 | 404.9  | 396.8  | 390.3  | 384.2  | 381.5  | 377.3  |
| 42.5°  | 456.6 | 439.3 | 424.5 | 407.1 | 394.6 | 385.2  | 377.8  | 370.7  | 366.1  | 362.2  | 359.8  |
| 45°    | 424.8 | 409.4 | 394.9 | 377.7 | 365.8 | 357.7  | 349.3  | 342.8  | 338.6  | 335.9  | 331.7  |
| 47.5°  | 393.9 | 378.6 | 363.8 | 348.8 | 337.3 | 328.1  | 319.7  | 315.1  | 309.6  | 306.3  | 303.4  |
| 50°    | 371.5 | 357.7 | 342.0 | 328.2 | 316.8 | 307.6  | 300.7  | 294.9  | 289.9  | 285.7  | 283.8  |
| 52.5°  | 351.0 | 336.3 | 322.7 | 309.9 | 297.8 | 287.3  | 281.1  | 275.0  | 271.3  | 266.4  | 264.2  |
| 55°    | 317.1 | 303.0 | 291.5 | 278.8 | 267.0 | 258.2  | 250.5  | 245.1  | 241.3  | 235.9  | 232.9  |
| 57.5°  | 285.3 | 272.6 | 258.9 | 248.0 | 235.7 | 228.3  | 221.9  | 214.6  | 210.0  | 205.8  | 202.8  |
| 60°    | 263.9 | 249.3 | 237.5 | 227.1 | 216.4 | 206.8  | 201.1  | 195.3  | 190.4  | 186.1  | 183.5  |
| 62.5°  | 241.5 | 228.8 | 217.6 | 206.3 | 196.5 | 188.1  | 181.5  | 176.6  | 172.3  | 169.6  | 166.9  |
| 65°    | 207.2 | 197.3 | 185.8 | 176.6 | 167.4 | 161.3  | 155.9  | 151.7  | 148.6  | 146.7  | 144.4  |
| 67.5°  | 175.7 | 166.0 | 156.0 | 146.9 | 140.8 | 136.1  | 132.6  | 129.0  | 127.5  | 125.0  | 123.5  |
| 70°    | 155.1 | 145.2 | 136.4 | 129.5 | 123.3 | 119.9  | 117.6  | 114.9  | 113.4  | 110.3  | 108.8  |
| 72.5°  | 132.8 | 125.6 | 119.2 | 113.5 | 108.6 | 105.5  | 102.6  | 99.3   | 96.8   | 93.5   | 91.9   |
| 75°    | 104.6 | 98.1  | 93.1  | 89.2  | 86.2  | 82.0   | 77.8   | 74.3   | 73.2   | 72.0   | 71.6   |
| 77.5°  | 77.4  | 73.3  | 69.7  | 66.5  | 62.7  | 59.6   | 58.7   | 57.9   | 57.7   | 57.1   | 57.1   |
| 80°    | 60.9  | 57.1  | 54.4  | 50.6  | 48.3  | 48.3   | 48.3   | 47.5   | 47.9   | 47.9   | 47.9   |
| 82.5°  | 45.3  | 41.7  | 40.3  | 38.9  | 38.5  | 38.8   | 38.8   | 38.9   | 38.7   | 39.3   | 39.0   |
| 85°    | 23.4  | 23.7  | 24.5  | 24.1  | 24.5  | 24.5   | 25.3   | 24.9   | 25.3   | 24.5   | 25.3   |
| 87.5°  | 11.1  | 12.5  | 13.5  | 14.5  | 15.5  | 15.9   | 16.0   | 16.2   | 16.8   | 17.0   | 17.5   |
| 90°    | 12.8  | 15.1  | 18.6  | 22.1  | 25.6  | 29.0   | 27.9   | 29.0   | 30.2   | 31.4   | 33.7   |
| 92.5°  | 50.0  | 67.2  | 97.6  | 147.6 | 196.6 | 178.7  | 134.8  | 97.8   | 77.6   | 68.5   | 62.5   |
| 95°    | 105.7 | 151.0 | 249.8 | 422.9 | 613.5 | 689.0  | 558.8  | 418.3  | 283.5  | 221.9  | 180.1  |
| 97.5°  | 125.5 | 174.5 | 268.9 | 464.0 | 781.7 | 1067.7 | 1142.3 | 1042.6 | 835.1  | 685.3  | 546.3  |
| 100°   | 139.4 | 184.7 | 266.1 | 438.0 | 743.6 | 1100.3 | 1329.2 | 1369.8 | 1275.7 | 1139.8 | 974.8  |
| 102.5° | 155.2 | 196.8 | 269.8 | 415.7 | 687.8 | 1039.9 | 1338.4 | 1478.6 | 1475.5 | 1396.3 | 1291.7 |
| 105°   | 181.2 | 217.3 | 280.0 | 399.7 | 619.3 | 934.1  | 1267.6 | 1510.4 | 1626.6 | 1648.7 | 1618.5 |
| 107.5° | 210.5 | 244.0 | 299.1 | 398.5 | 575.6 | 840.7  | 1143.5 | 1418.8 | 1607.5 | 1709.3 | 1750.7 |
| 110°   | 230.0 | 262.6 | 314.9 | 403.2 | 558.8 | 787.7  | 1065.4 | 1331.5 | 1545.3 | 1691.7 | 1773.0 |



TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°   | 150°   | 155°   | 160°   |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 250.5 | 282.1 | 330.7 | 412.5 | 549.6 | 752.4 | 997.6 | 1245.0 | 1463.5 | 1627.5 | 1732.1 |
| 115°   | 281.2 | 312.5 | 356.7 | 427.6 | 546.1 | 714.5 | 915.5 | 1130.5 | 1332.6 | 1503.4 | 1630.1 |
| 117.5° | 311.6 | 340.7 | 384.3 | 447.5 | 548.2 | 692.2 | 866.0 | 1047.5 | 1222.0 | 1375.4 | 1503.9 |
| 120°   | 331.1 | 360.2 | 402.0 | 462.4 | 551.9 | 682.0 | 840.0 | 1003.8 | 1160.7 | 1300.1 | 1417.5 |
| 122.5° | 348.8 | 379.7 | 420.6 | 476.4 | 558.4 | 675.5 | 818.6 | 969.4  | 1111.4 | 1240.6 | 1349.6 |
| 125°   | 375.3 | 406.6 | 447.3 | 498.4 | 568.1 | 666.9 | 791.2 | 923.7  | 1050.3 | 1161.8 | 1254.8 |
| 127.5° | 399.9 | 431.3 | 470.5 | 516.6 | 579.3 | 662.7 | 767.1 | 883.7  | 996.6  | 1097.2 | 1181.8 |
| 130°   | 414.8 | 446.1 | 484.5 | 528.6 | 586.7 | 659.9 | 754.0 | 858.6  | 963.2  | 1057.3 | 1136.3 |
| 132.5° | 428.7 | 459.2 | 496.6 | 539.8 | 592.3 | 659.0 | 742.0 | 835.4  | 931.6  | 1019.2 | 1094.5 |
| 135°   | 447.3 | 478.7 | 514.7 | 554.2 | 600.7 | 657.6 | 726.2 | 804.0  | 886.5  | 962.0  | 1028.2 |
| 137.5° | 463.6 | 492.6 | 527.2 | 564.9 | 606.3 | 655.0 | 712.4 | 775.4  | 843.0  | 908.1  | 965.5  |
| 140°   | 472.9 | 501.9 | 535.6 | 570.5 | 610.0 | 654.1 | 704.1 | 758.7  | 817.9  | 873.7  | 923.7  |
| 142.5° | 482.2 | 509.4 | 542.1 | 576.0 | 612.8 | 652.3 | 696.6 | 742.9  | 793.8  | 842.1  | 885.6  |
| 145°   | 493.8 | 520.5 | 550.7 | 582.1 | 614.6 | 649.5 | 686.7 | 723.8  | 762.2  | 799.4  | 833.0  |
| 147.5° | 507.3 | 530.0 | 557.7 | 585.8 | 614.6 | 645.1 | 676.9 | 708.3  | 738.7  | 768.7  | 792.6  |
| 150°   | 514.7 | 535.6 | 562.3 | 586.7 | 614.6 | 641.3 | 670.4 | 697.1  | 723.8  | 748.2  | 770.3  |
| 152.5° | 522.1 | 542.1 | 565.1 | 588.6 | 611.8 | 636.7 | 663.0 | 686.9  | 709.9  | 731.5  | 749.9  |
| 155°   | 534.4 | 550.7 | 570.5 | 589.1 | 608.8 | 628.6 | 651.8 | 671.5  | 690.1  | 707.6  | 721.5  |
| 157.5° | 545.1 | 557.7 | 573.5 | 590.2 | 604.9 | 621.4 | 639.2 | 655.3  | 670.9  | 684.3  | 695.2  |
| 160°   | 550.7 | 562.3 | 576.3 | 590.2 | 603.0 | 615.8 | 630.9 | 646.0  | 658.8  | 670.4  | 678.5  |
| 162.5° | 555.4 | 565.1 | 577.2 | 589.3 | 599.3 | 610.2 | 622.5 | 634.8  | 645.8  | 656.4  | 663.6  |
| 165°   | 561.2 | 569.3 | 578.6 | 586.7 | 593.7 | 601.8 | 611.1 | 620.4  | 627.4  | 635.5  | 641.3  |
| 167.5° | 566.5 | 571.6 | 578.4 | 584.9 | 588.1 | 593.5 | 600.2 | 607.9  | 613.2  | 617.9  | 622.1  |
| 170°   | 569.3 | 571.6 | 577.4 | 582.1 | 584.4 | 587.9 | 593.7 | 599.5  | 603.0  | 607.6  | 610.0  |
| 172.5° | 571.2 | 572.6 | 577.4 | 581.2 | 581.6 | 583.2 | 587.2 | 592.1  | 594.6  | 598.4  | 599.7  |
| 175°   | 572.8 | 574.0 | 576.3 | 578.6 | 577.4 | 577.4 | 579.8 | 582.1  | 583.2  | 585.6  | 585.6  |
| 177.5° | 574.0 | 574.0 | 574.9 | 576.7 | 574.9 | 574.0 | 574.9 | 575.8  | 576.7  | 577.7  | 577.7  |
| 180°   | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0  | 574.0  | 574.0  | 574.0  |



TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  |
| 2.5°   | 852.4  | 852.1  | 852.4  | 851.2  | 852.4  | 852.1  | 852.4  | 856.1  | 856.1  | 856.4  | 856.7  |
| 5°     | 793.2  | 792.8  | 791.7  | 788.3  | 791.7  | 792.8  | 793.2  | 794.4  | 797.4  | 802.8  | 801.3  |
| 7.5°   | 741.5  | 741.0  | 737.6  | 737.7  | 737.6  | 741.0  | 741.5  | 744.5  | 748.0  | 751.3  | 755.2  |
| 10°    | 710.9  | 711.3  | 706.7  | 704.0  | 706.7  | 711.3  | 710.9  | 713.6  | 718.5  | 721.2  | 723.9  |
| 12.5°  | 681.2  | 679.4  | 675.7  | 672.7  | 675.7  | 679.4  | 681.2  | 683.2  | 690.0  | 693.0  | 698.2  |
| 15°    | 641.9  | 638.1  | 628.9  | 629.7  | 628.9  | 638.1  | 641.9  | 640.4  | 647.3  | 651.1  | 652.7  |
| 17.5°  | 595.7  | 592.9  | 592.8  | 587.4  | 592.8  | 592.9  | 595.7  | 598.8  | 604.8  | 608.9  | 619.9  |
| 20°    | 568.8  | 566.9  | 567.6  | 562.3  | 567.6  | 566.9  | 568.8  | 574.9  | 578.7  | 584.1  | 592.9  |
| 22.5°  | 547.6  | 545.7  | 542.5  | 540.8  | 542.5  | 545.7  | 547.6  | 551.9  | 556.1  | 563.6  | 568.4  |
| 25°    | 516.7  | 513.6  | 510.6  | 512.5  | 510.6  | 513.6  | 516.7  | 519.0  | 526.6  | 530.1  | 537.0  |
| 27.5°  | 485.7  | 483.4  | 480.4  | 480.0  | 480.4  | 483.4  | 485.7  | 488.0  | 492.2  | 498.0  | 506.3  |
| 30°    | 466.1  | 463.8  | 462.3  | 460.4  | 462.3  | 463.8  | 466.1  | 468.0  | 472.3  | 478.4  | 484.5  |
| 32.5°  | 446.2  | 445.8  | 443.0  | 442.6  | 443.0  | 445.8  | 446.2  | 449.4  | 453.6  | 459.4  | 464.6  |
| 35°    | 420.2  | 417.9  | 417.1  | 417.5  | 417.1  | 417.9  | 420.2  | 421.7  | 425.5  | 430.9  | 435.9  |
| 37.5°  | 395.4  | 392.4  | 391.0  | 389.6  | 391.0  | 392.4  | 395.4  | 395.7  | 399.6  | 403.2  | 409.9  |
| 40°    | 377.7  | 374.6  | 373.8  | 373.1  | 373.8  | 374.6  | 377.7  | 377.3  | 381.5  | 384.2  | 390.3  |
| 42.5°  | 357.7  | 356.5  | 356.1  | 354.7  | 356.1  | 356.5  | 357.7  | 359.8  | 362.2  | 366.1  | 370.7  |
| 45°    | 330.5  | 330.2  | 327.9  | 328.6  | 327.9  | 330.2  | 330.5  | 331.7  | 335.9  | 338.6  | 342.8  |
| 47.5°  | 301.9  | 300.2  | 298.6  | 299.7  | 298.6  | 300.2  | 301.9  | 303.4  | 306.3  | 309.6  | 315.1  |
| 50°    | 282.3  | 281.5  | 278.1  | 278.8  | 278.1  | 281.5  | 282.3  | 283.8  | 285.7  | 289.9  | 294.9  |
| 52.5°  | 262.7  | 259.8  | 258.5  | 258.0  | 258.5  | 259.8  | 262.7  | 264.2  | 266.4  | 271.3  | 275.0  |
| 55°    | 230.2  | 226.7  | 225.2  | 224.4  | 225.2  | 226.7  | 230.2  | 232.9  | 235.9  | 241.3  | 245.1  |
| 57.5°  | 198.3  | 197.4  | 196.2  | 197.0  | 196.2  | 197.4  | 198.3  | 202.8  | 205.8  | 210.0  | 214.6  |
| 60°    | 179.6  | 179.6  | 179.6  | 179.3  | 179.6  | 179.6  | 179.6  | 183.5  | 186.1  | 190.4  | 195.3  |
| 62.5°  | 165.2  | 164.3  | 164.0  | 164.5  | 164.0  | 164.3  | 165.2  | 166.9  | 169.6  | 172.3  | 176.6  |
| 65°    | 143.2  | 142.9  | 141.3  | 141.0  | 141.3  | 142.9  | 143.2  | 144.4  | 146.7  | 148.6  | 151.7  |
| 67.5°  | 122.5  | 121.1  | 120.7  | 120.1  | 120.7  | 121.1  | 122.5  | 123.5  | 125.0  | 127.5  | 129.0  |
| 70°    | 106.9  | 106.1  | 103.8  | 104.2  | 103.8  | 106.1  | 106.9  | 108.8  | 110.3  | 113.4  | 114.9  |
| 72.5°  | 90.0   | 89.2   | 88.8   | 88.2   | 88.8   | 89.2   | 90.0   | 91.9   | 93.5   | 96.8   | 99.3   |
| 75°    | 71.2   | 70.9   | 70.5   | 72.0   | 70.5   | 70.9   | 71.2   | 71.6   | 72.0   | 73.2   | 74.3   |
| 77.5°  | 57.1   | 57.1   | 57.3   | 56.7   | 57.3   | 57.1   | 57.1   | 57.1   | 57.1   | 57.7   | 57.9   |
| 80°    | 47.9   | 47.9   | 47.5   | 47.5   | 47.5   | 47.9   | 47.9   | 47.9   | 47.9   | 47.9   | 47.5   |
| 82.5°  | 38.4   | 38.7   | 38.9   | 38.3   | 38.9   | 38.7   | 38.4   | 39.0   | 39.3   | 38.7   | 38.9   |
| 85°    | 25.3   | 24.9   | 25.7   | 25.3   | 25.7   | 24.9   | 25.3   | 25.3   | 24.5   | 25.3   | 24.9   |
| 87.5°  | 17.8   | 17.5   | 17.7   | 17.8   | 17.7   | 17.5   | 17.8   | 17.5   | 17.0   | 16.8   | 16.2   |
| 90°    | 32.5   | 33.7   | 34.9   | 33.7   | 34.9   | 33.7   | 32.5   | 33.7   | 31.4   | 30.2   | 29.0   |
| 92.5°  | 60.4   | 56.9   | 58.1   | 56.0   | 58.1   | 56.9   | 60.4   | 62.5   | 68.5   | 77.6   | 97.8   |
| 95°    | 158.0  | 147.6  | 139.4  | 134.8  | 139.4  | 147.6  | 158.0  | 180.1  | 221.9  | 283.5  | 418.3  |
| 97.5°  | 460.6  | 408.3  | 376.9  | 366.9  | 376.9  | 408.3  | 460.6  | 546.3  | 685.3  | 835.1  | 1042.6 |
| 100°   | 857.4  | 772.6  | 727.3  | 728.5  | 727.3  | 772.6  | 857.4  | 974.8  | 1139.8 | 1275.7 | 1369.8 |
| 102.5° | 1200.4 | 1133.3 | 1095.4 | 1068.7 | 1095.4 | 1133.3 | 1200.4 | 1291.7 | 1396.3 | 1475.5 | 1478.6 |
| 105°   | 1565.0 | 1520.9 | 1483.7 | 1477.9 | 1483.7 | 1520.9 | 1565.0 | 1618.5 | 1648.7 | 1626.6 | 1510.4 |
| 107.5° | 1751.6 | 1736.7 | 1724.2 | 1713.5 | 1724.2 | 1736.7 | 1751.6 | 1750.7 | 1709.3 | 1607.5 | 1418.8 |
| 110°   | 1805.5 | 1814.8 | 1812.5 | 1810.2 | 1812.5 | 1814.8 | 1805.5 | 1773.0 | 1691.7 | 1545.3 | 1331.5 |



TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1791.6 | 1820.4 | 1829.2 | 1829.7 | 1829.2 | 1820.4 | 1791.6 | 1732.1 | 1627.5 | 1463.5 | 1245.0 |
| 115°   | 1717.2 | 1768.3 | 1791.6 | 1797.4 | 1791.6 | 1768.3 | 1717.2 | 1630.1 | 1503.4 | 1332.6 | 1130.5 |
| 117.5° | 1594.8 | 1653.3 | 1686.8 | 1694.7 | 1686.8 | 1653.3 | 1594.8 | 1503.9 | 1375.4 | 1222.0 | 1047.5 |
| 120°   | 1509.2 | 1574.3 | 1602.2 | 1609.2 | 1602.2 | 1574.3 | 1509.2 | 1417.5 | 1300.1 | 1160.7 | 1003.8 |
| 122.5° | 1431.2 | 1489.7 | 1520.4 | 1529.2 | 1520.4 | 1489.7 | 1431.2 | 1349.6 | 1240.6 | 1111.4 | 969.4  |
| 125°   | 1329.2 | 1380.3 | 1409.3 | 1417.5 | 1409.3 | 1380.3 | 1329.2 | 1254.8 | 1161.8 | 1050.3 | 923.7  |
| 127.5° | 1248.1 | 1291.7 | 1318.0 | 1325.4 | 1318.0 | 1291.7 | 1248.1 | 1181.8 | 1097.2 | 996.6  | 883.7  |
| 130°   | 1197.9 | 1239.7 | 1264.1 | 1273.4 | 1264.1 | 1239.7 | 1197.9 | 1136.3 | 1057.3 | 963.2  | 858.6  |
| 132.5° | 1152.3 | 1194.1 | 1215.8 | 1222.3 | 1215.8 | 1194.1 | 1152.3 | 1094.5 | 1019.2 | 931.6  | 835.4  |
| 135°   | 1085.2 | 1120.0 | 1140.9 | 1149.1 | 1140.9 | 1120.0 | 1085.2 | 1028.2 | 962.0  | 886.5  | 804.0  |
| 137.5° | 1013.4 | 1048.7 | 1066.3 | 1071.7 | 1066.3 | 1048.7 | 1013.4 | 965.5  | 908.1  | 843.0  | 775.4  |
| 140°   | 967.8  | 1000.4 | 1018.9 | 1017.8 | 1018.9 | 1000.4 | 967.8  | 923.7  | 873.7  | 817.9  | 758.7  |
| 142.5° | 923.2  | 952.0  | 968.7  | 967.6  | 968.7  | 952.0  | 923.2  | 885.6  | 842.1  | 793.8  | 742.9  |
| 145°   | 862.1  | 886.5  | 895.8  | 898.1  | 895.8  | 886.5  | 862.1  | 833.0  | 799.4  | 762.2  | 723.8  |
| 147.5° | 814.7  | 831.2  | 840.0  | 840.9  | 840.0  | 831.2  | 814.7  | 792.6  | 768.7  | 738.7  | 708.3  |
| 150°   | 787.7  | 800.5  | 807.5  | 807.5  | 807.5  | 800.5  | 787.7  | 770.3  | 748.2  | 723.8  | 697.1  |
| 152.5° | 763.6  | 775.4  | 779.6  | 779.6  | 779.6  | 775.4  | 763.6  | 749.9  | 731.5  | 709.9  | 686.9  |
| 155°   | 732.0  | 741.3  | 743.6  | 744.7  | 743.6  | 741.3  | 732.0  | 721.5  | 707.6  | 690.1  | 671.5  |
| 157.5° | 704.3  | 711.3  | 713.1  | 712.9  | 713.1  | 711.3  | 704.3  | 695.2  | 684.3  | 670.9  | 655.3  |
| 160°   | 686.7  | 693.6  | 693.6  | 692.5  | 693.6  | 693.6  | 686.7  | 678.5  | 670.4  | 658.8  | 646.0  |
| 162.5° | 669.0  | 675.0  | 675.0  | 673.9  | 675.0  | 675.0  | 669.0  | 663.6  | 656.4  | 645.8  | 634.8  |
| 165°   | 646.0  | 650.6  | 649.5  | 649.5  | 649.5  | 650.6  | 646.0  | 641.3  | 635.5  | 627.4  | 620.4  |
| 167.5° | 624.1  | 627.4  | 626.2  | 626.2  | 626.2  | 627.4  | 624.1  | 622.1  | 617.9  | 613.2  | 607.9  |
| 170°   | 611.1  | 613.5  | 612.3  | 612.3  | 612.3  | 613.5  | 611.1  | 610.0  | 607.6  | 603.0  | 599.5  |
| 172.5° | 600.0  | 602.3  | 600.2  | 599.3  | 600.2  | 602.3  | 600.0  | 599.7  | 598.4  | 594.6  | 592.1  |
| 175°   | 585.6  | 586.7  | 585.6  | 584.4  | 585.6  | 586.7  | 585.6  | 585.6  | 585.6  | 583.2  | 582.1  |
| 177.5° | 576.7  | 577.7  | 575.8  | 575.8  | 575.8  | 577.7  | 576.7  | 577.7  | 577.7  | 576.7  | 575.8  |
| 180°   | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  |



TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 894.7  | 894.7  | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 |
| 2.5°   | 854.0  | 858.3  | 862.6 | 866.5 | 872.7 | 875.4 | 879.4 | 880.9 | 885.5 | 892.3 | 897.8 |
| 5°     | 802.0  | 808.2  | 816.2 | 822.7 | 833.1 | 841.1 | 849.9 | 858.3 | 868.3 | 882.5 | 895.1 |
| 7.5°   | 758.0  | 764.0  | 773.7 | 785.8 | 797.2 | 808.6 | 820.7 | 832.1 | 846.4 | 866.7 | 886.8 |
| 10°    | 728.9  | 736.2  | 747.7 | 760.7 | 774.8 | 786.0 | 800.1 | 814.7 | 832.3 | 855.7 | 879.8 |
| 12.5°  | 703.8  | 709.2  | 722.5 | 734.9 | 750.9 | 765.1 | 779.0 | 796.0 | 816.1 | 841.0 | 870.0 |
| 15°    | 663.8  | 671.4  | 684.5 | 698.2 | 715.1 | 730.0 | 748.0 | 768.7 | 788.3 | 818.9 | 854.1 |
| 17.5°  | 623.6  | 635.3  | 648.8 | 664.4 | 676.9 | 697.5 | 717.0 | 738.2 | 762.3 | 794.8 | 833.4 |
| 20°    | 597.9  | 607.1  | 619.7 | 642.3 | 658.8 | 674.5 | 692.5 | 718.9 | 741.1 | 777.9 | 818.1 |
| 22.5°  | 576.1  | 582.9  | 597.0 | 615.7 | 634.9 | 653.0 | 671.4 | 696.6 | 724.0 | 758.9 | 802.5 |
| 25°    | 543.9  | 554.6  | 565.3 | 578.7 | 599.4 | 621.3 | 641.2 | 662.6 | 691.7 | 728.9 | 776.0 |
| 27.5°  | 512.4  | 522.1  | 532.7 | 549.2 | 564.9 | 585.3 | 606.1 | 630.7 | 661.9 | 701.2 | 749.0 |
| 30°    | 492.2  | 499.5  | 509.4 | 530.5 | 544.7 | 562.3 | 586.8 | 608.6 | 637.7 | 679.5 | 730.0 |
| 32.5°  | 471.3  | 480.8  | 491.6 | 507.8 | 525.3 | 542.0 | 564.4 | 588.1 | 617.8 | 658.9 | 710.7 |
| 35°    | 441.6  | 452.7  | 463.8 | 475.7 | 493.3 | 510.6 | 529.3 | 555.4 | 585.6 | 625.5 | 676.4 |
| 37.5°  | 414.3  | 423.2  | 432.3 | 447.0 | 463.7 | 480.1 | 497.6 | 523.3 | 551.8 | 594.8 | 641.5 |
| 40°    | 396.8  | 404.9  | 411.7 | 427.1 | 443.2 | 460.8 | 478.0 | 500.6 | 531.2 | 571.5 | 616.7 |
| 42.5°  | 377.8  | 385.2  | 394.6 | 407.1 | 424.5 | 439.3 | 456.6 | 477.9 | 506.7 | 547.6 | 587.2 |
| 45°    | 349.3  | 357.7  | 365.8 | 377.7 | 394.9 | 409.4 | 424.8 | 445.1 | 474.6 | 508.3 | 543.5 |
| 47.5°  | 319.7  | 328.1  | 337.3 | 348.8 | 363.8 | 378.6 | 393.9 | 411.9 | 438.8 | 471.9 | 495.6 |
| 50°    | 300.7  | 307.6  | 316.8 | 328.2 | 342.0 | 357.7 | 371.5 | 391.1 | 416.7 | 442.8 | 463.5 |
| 52.5°  | 281.1  | 287.3  | 297.8 | 309.9 | 322.7 | 336.3 | 351.0 | 367.8 | 391.0 | 415.5 | 431.9 |
| 55°    | 250.5  | 258.2  | 267.0 | 278.8 | 291.5 | 303.0 | 317.1 | 334.4 | 352.8 | 371.1 | 382.3 |
| 57.5°  | 221.9  | 228.3  | 235.7 | 248.0 | 258.9 | 272.6 | 285.3 | 298.8 | 315.8 | 329.6 | 336.9 |
| 60°    | 201.1  | 206.8  | 216.4 | 227.1 | 237.5 | 249.3 | 263.9 | 277.3 | 290.3 | 301.4 | 307.2 |
| 62.5°  | 181.5  | 188.1  | 196.5 | 206.3 | 217.6 | 228.8 | 241.5 | 252.8 | 264.3 | 273.9 | 277.8 |
| 65°    | 155.9  | 161.3  | 167.4 | 176.6 | 185.8 | 197.3 | 207.2 | 218.7 | 227.1 | 232.5 | 235.9 |
| 67.5°  | 132.6  | 136.1  | 140.8 | 146.9 | 156.0 | 166.0 | 175.7 | 184.6 | 191.7 | 195.3 | 198.4 |
| 70°    | 117.6  | 119.9  | 123.3 | 129.5 | 136.4 | 145.2 | 155.1 | 161.6 | 167.8 | 170.8 | 173.9 |
| 72.5°  | 102.6  | 105.5  | 108.6 | 113.5 | 119.2 | 125.6 | 132.8 | 140.8 | 144.2 | 147.8 | 149.7 |
| 75°    | 77.8   | 82.0   | 86.2  | 89.2  | 93.1  | 98.1  | 104.6 | 109.5 | 111.5 | 114.5 | 114.9 |
| 77.5°  | 58.7   | 59.6   | 62.7  | 66.5  | 69.7  | 73.3  | 77.4  | 81.9  | 82.8  | 84.4  | 85.4  |
| 80°    | 48.3   | 48.3   | 48.3  | 50.6  | 54.4  | 57.1  | 60.9  | 63.2  | 64.7  | 65.1  | 65.5  |
| 82.5°  | 38.8   | 38.8   | 38.5  | 38.9  | 40.3  | 41.7  | 45.3  | 47.9  | 49.1  | 48.9  | 48.0  |
| 85°    | 25.3   | 24.5   | 24.5  | 24.1  | 24.5  | 23.7  | 23.4  | 24.9  | 27.2  | 27.2  | 26.4  |
| 87.5°  | 16.0   | 15.9   | 15.5  | 14.5  | 13.5  | 12.5  | 11.1  | 11.0  | 10.3  | 11.0  | 10.3  |
| 90°    | 27.9   | 29.0   | 25.6  | 22.1  | 18.6  | 15.1  | 12.8  | 10.5  | 7.0   | 4.6   | 2.3   |
| 92.5°  | 134.8  | 178.7  | 196.6 | 147.6 | 97.6  | 67.2  | 50.0  | 40.2  | 31.1  | 21.4  | 14.4  |
| 95°    | 558.8  | 689.0  | 613.5 | 422.9 | 249.8 | 151.0 | 105.7 | 75.5  | 55.8  | 43.0  | 39.5  |
| 97.5°  | 1142.3 | 1067.7 | 781.7 | 464.0 | 268.9 | 174.5 | 125.5 | 95.7  | 78.5  | 68.5  | 67.4  |
| 100°   | 1329.2 | 1100.3 | 743.6 | 438.0 | 266.1 | 184.7 | 139.4 | 111.5 | 95.3  | 87.1  | 86.0  |
| 102.5° | 1338.4 | 1039.9 | 687.8 | 415.7 | 269.8 | 196.8 | 155.2 | 130.1 | 114.8 | 107.6 | 105.5 |
| 105°   | 1267.6 | 934.1  | 619.3 | 399.7 | 280.0 | 217.3 | 181.2 | 159.2 | 145.2 | 138.3 | 134.8 |
| 107.5° | 1143.5 | 840.7  | 575.6 | 398.5 | 299.1 | 244.0 | 210.5 | 189.8 | 176.1 | 169.4 | 165.9 |
| 110°   | 1065.4 | 787.7  | 558.8 | 403.2 | 314.9 | 262.6 | 230.0 | 210.3 | 197.5 | 191.7 | 188.2 |



TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 997.6 | 752.4 | 549.6 | 412.5 | 330.7 | 282.1 | 250.5 | 230.7 | 218.0 | 212.2 | 208.7 |
| 115°   | 915.5 | 714.5 | 546.1 | 427.6 | 356.7 | 312.5 | 281.2 | 261.4 | 249.8 | 242.8 | 238.2 |
| 117.5° | 866.0 | 692.2 | 548.2 | 447.5 | 384.3 | 340.7 | 311.6 | 289.5 | 278.8 | 273.0 | 267.7 |
| 120°   | 840.0 | 682.0 | 551.9 | 462.4 | 402.0 | 360.2 | 331.1 | 309.1 | 297.4 | 291.6 | 288.1 |
| 122.5° | 818.6 | 675.5 | 558.4 | 476.4 | 420.6 | 379.7 | 348.8 | 327.6 | 315.1 | 309.3 | 305.8 |
| 125°   | 791.2 | 666.9 | 568.1 | 498.4 | 447.3 | 406.6 | 375.3 | 353.2 | 340.4 | 333.5 | 331.1 |
| 127.5° | 767.1 | 662.7 | 579.3 | 516.6 | 470.5 | 431.3 | 399.9 | 375.5 | 362.5 | 353.9 | 350.4 |
| 130°   | 754.0 | 659.9 | 586.7 | 528.6 | 484.5 | 446.1 | 414.8 | 390.4 | 376.4 | 366.0 | 362.5 |
| 132.5° | 742.0 | 659.0 | 592.3 | 539.8 | 496.6 | 459.2 | 428.7 | 404.3 | 387.6 | 376.2 | 371.8 |
| 135°   | 726.2 | 657.6 | 600.7 | 554.2 | 514.7 | 478.7 | 447.3 | 422.9 | 405.5 | 392.7 | 388.1 |
| 137.5° | 712.4 | 655.0 | 606.3 | 564.9 | 527.2 | 492.6 | 463.6 | 439.4 | 420.8 | 408.3 | 403.4 |
| 140°   | 704.1 | 654.1 | 610.0 | 570.5 | 535.6 | 501.9 | 472.9 | 449.6 | 431.0 | 419.4 | 413.6 |
| 142.5° | 696.6 | 652.3 | 612.8 | 576.0 | 542.1 | 509.4 | 482.2 | 458.9 | 442.2 | 429.7 | 424.8 |
| 145°   | 686.7 | 649.5 | 614.6 | 582.1 | 550.7 | 520.5 | 493.8 | 474.0 | 456.6 | 446.1 | 442.7 |
| 147.5° | 676.9 | 645.1 | 614.6 | 585.8 | 557.7 | 530.0 | 507.3 | 488.2 | 473.1 | 462.9 | 460.8 |
| 150°   | 670.4 | 641.3 | 614.6 | 586.7 | 562.3 | 535.6 | 514.7 | 498.4 | 483.3 | 474.0 | 472.9 |
| 152.5° | 663.0 | 636.7 | 611.8 | 588.6 | 565.1 | 542.1 | 522.1 | 507.7 | 494.5 | 485.2 | 485.0 |
| 155°   | 651.8 | 628.6 | 608.8 | 589.1 | 570.5 | 550.7 | 534.4 | 521.7 | 510.1 | 503.1 | 503.1 |
| 157.5° | 639.2 | 621.4 | 604.9 | 590.2 | 573.5 | 557.7 | 545.1 | 534.2 | 524.0 | 518.4 | 517.5 |
| 160°   | 630.9 | 615.8 | 603.0 | 590.2 | 576.3 | 562.3 | 550.7 | 542.6 | 533.3 | 528.6 | 528.6 |
| 162.5° | 622.5 | 610.2 | 599.3 | 589.3 | 577.2 | 565.1 | 555.4 | 548.2 | 540.7 | 537.0 | 537.0 |
| 165°   | 611.1 | 601.8 | 593.7 | 586.7 | 578.6 | 569.3 | 561.2 | 556.5 | 550.7 | 548.4 | 549.6 |
| 167.5° | 600.2 | 593.5 | 588.1 | 584.9 | 578.4 | 571.6 | 566.5 | 563.3 | 558.8 | 557.7 | 559.1 |
| 170°   | 593.7 | 587.9 | 584.4 | 582.1 | 577.4 | 571.6 | 569.3 | 567.0 | 563.5 | 562.3 | 564.7 |
| 172.5° | 587.2 | 583.2 | 581.6 | 581.2 | 577.4 | 572.6 | 571.2 | 569.8 | 567.2 | 567.0 | 568.4 |
| 175°   | 579.8 | 577.4 | 577.4 | 578.6 | 576.3 | 574.0 | 572.8 | 572.8 | 570.5 | 571.6 | 572.8 |
| 177.5° | 574.9 | 574.0 | 574.9 | 576.7 | 574.9 | 574.0 | 574.0 | 574.0 | 573.0 | 574.0 | 574.9 |
| 180°   | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 |



TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 894.7 | 894.7 | 894.7 | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  |
| 2.5°   | 899.6 | 903.0 | 907.3 | 913.7  | 918.6  | 922.9  | 923.8  | 925.1  | 928.1  | 933.3  | 937.3  |
| 5°     | 905.5 | 914.3 | 928.4 | 942.2  | 957.2  | 969.4  | 980.9  | 989.0  | 996.6  | 1012.7 | 1025.7 |
| 7.5°   | 903.6 | 923.2 | 945.4 | 970.2  | 995.2  | 1019.5 | 1042.0 | 1062.2 | 1082.3 | 1105.7 | 1132.4 |
| 10°    | 902.4 | 925.4 | 955.2 | 987.0  | 1021.9 | 1056.0 | 1088.9 | 1114.6 | 1144.5 | 1171.3 | 1205.4 |
| 12.5°  | 896.6 | 929.7 | 965.4 | 1006.0 | 1048.9 | 1088.2 | 1131.5 | 1167.0 | 1201.1 | 1239.9 | 1279.5 |
| 15°    | 889.0 | 929.2 | 974.4 | 1028.4 | 1093.5 | 1141.0 | 1185.4 | 1247.1 | 1289.2 | 1331.4 | 1388.1 |
| 17.5°  | 875.1 | 924.2 | 980.7 | 1050.8 | 1105.2 | 1169.0 | 1235.8 | 1284.6 | 1341.3 | 1400.7 | 1452.0 |
| 20°    | 864.1 | 921.2 | 984.4 | 1053.3 | 1122.6 | 1192.0 | 1256.7 | 1314.9 | 1373.5 | 1442.1 | 1484.2 |
| 22.5°  | 853.1 | 909.5 | 975.2 | 1048.4 | 1122.9 | 1195.9 | 1269.2 | 1337.6 | 1403.5 | 1472.7 | 1526.5 |
| 25°    | 829.6 | 896.6 | 967.9 | 1042.6 | 1116.1 | 1196.5 | 1283.9 | 1360.1 | 1441.7 | 1512.9 | 1563.9 |
| 27.5°  | 805.9 | 867.3 | 938.2 | 1014.0 | 1095.7 | 1190.8 | 1293.5 | 1380.2 | 1461.9 | 1512.9 | 1528.9 |
| 30°    | 784.4 | 849.5 | 914.6 | 991.6  | 1080.1 | 1186.2 | 1295.4 | 1394.6 | 1461.6 | 1483.8 | 1467.3 |
| 32.5°  | 762.7 | 821.7 | 886.2 | 965.0  | 1059.0 | 1174.9 | 1297.8 | 1386.0 | 1426.4 | 1409.4 | 1342.3 |
| 35°    | 724.3 | 777.5 | 840.0 | 918.9  | 1026.9 | 1168.6 | 1287.7 | 1347.5 | 1337.5 | 1241.7 | 1115.3 |
| 37.5°  | 683.2 | 726.6 | 784.4 | 866.9  | 993.6  | 1143.7 | 1244.2 | 1253.0 | 1166.8 | 1019.8 | 873.8  |
| 40°    | 650.7 | 689.8 | 749.2 | 835.4  | 967.9  | 1119.2 | 1200.4 | 1164.8 | 1031.1 | 867.5  | 745.7  |
| 42.5°  | 619.2 | 652.1 | 709.3 | 802.3  | 943.4  | 1085.8 | 1135.1 | 1057.5 | 903.3  | 748.6  | 637.9  |
| 45°    | 565.7 | 596.7 | 654.2 | 749.6  | 893.2  | 1021.9 | 1015.4 | 880.6  | 726.2  | 601.7  | 509.8  |
| 47.5°  | 515.0 | 542.1 | 596.1 | 693.4  | 834.3  | 926.1  | 865.2  | 721.8  | 590.8  | 491.0  | 425.4  |
| 50°    | 479.2 | 506.0 | 559.6 | 655.7  | 787.1  | 854.1  | 767.2  | 628.9  | 509.0  | 426.3  | 374.2  |
| 52.5°  | 444.8 | 471.0 | 520.1 | 613.7  | 730.1  | 770.2  | 676.8  | 548.6  | 448.7  | 377.3  | 332.5  |
| 55°    | 396.8 | 416.7 | 460.8 | 550.4  | 637.3  | 646.5  | 551.9  | 444.7  | 362.3  | 312.5  | 281.9  |
| 57.5°  | 347.9 | 365.0 | 408.5 | 479.9  | 540.9  | 536.1  | 446.4  | 353.7  | 298.2  | 261.2  | 239.0  |
| 60°    | 316.0 | 332.8 | 371.1 | 432.4  | 478.4  | 462.3  | 380.0  | 305.3  | 257.8  | 230.6  | 213.0  |
| 62.5°  | 286.3 | 299.4 | 335.3 | 380.0  | 413.1  | 394.9  | 324.8  | 263.0  | 225.3  | 202.4  | 188.4  |
| 65°    | 243.2 | 253.9 | 282.7 | 306.0  | 324.4  | 306.8  | 248.6  | 205.7  | 178.5  | 162.4  | 152.8  |
| 67.5°  | 202.3 | 209.1 | 227.3 | 235.7  | 248.7  | 229.4  | 186.9  | 158.2  | 142.7  | 129.2  | 122.5  |
| 70°    | 176.6 | 181.6 | 191.1 | 198.0  | 201.5  | 181.6  | 150.1  | 129.1  | 116.1  | 106.5  | 102.3  |
| 72.5°  | 150.8 | 155.2 | 157.1 | 162.8  | 161.0  | 142.3  | 120.7  | 104.0  | 94.6   | 88.1   | 82.7   |
| 75°    | 115.3 | 117.2 | 115.3 | 113.0  | 108.0  | 95.0   | 80.1   | 71.6   | 64.7   | 61.7   | 59.8   |
| 77.5°  | 84.0  | 83.4  | 80.8  | 77.2   | 68.7   | 60.5   | 52.5   | 49.6   | 46.7   | 45.0   | 44.4   |
| 80°    | 64.7  | 63.2  | 60.9  | 55.2   | 47.9   | 42.1   | 40.2   | 38.3   | 37.2   | 35.2   | 34.9   |
| 82.5°  | 48.2  | 47.3  | 43.4  | 38.6   | 33.5   | 30.8   | 29.2   | 28.5   | 27.3   | 26.4   | 26.3   |
| 85°    | 25.7  | 24.5  | 20.3  | 17.6   | 16.9   | 16.1   | 15.7   | 15.7   | 14.2   | 13.8   | 13.8   |
| 87.5°  | 9.2   | 7.8   | 8.2   | 7.8    | 8.2    | 8.3    | 9.3    | 9.4    | 9.8    | 9.9    | 9.5    |
| 90°    | 4.6   | 7.0   | 10.5  | 12.8   | 15.1   | 18.6   | 22.1   | 25.6   | 29.0   | 27.9   | 29.0   |
| 92.5°  | 21.4  | 31.1  | 40.2  | 50.0   | 67.2   | 97.6   | 147.6  | 196.6  | 178.7  | 134.8  | 97.8   |
| 95°    | 43.0  | 55.8  | 75.5  | 105.7  | 151.0  | 249.8  | 422.9  | 613.5  | 689.0  | 558.8  | 418.3  |
| 97.5°  | 68.5  | 78.5  | 95.7  | 125.5  | 174.5  | 268.9  | 464.0  | 781.7  | 1067.7 | 1142.3 | 1042.6 |
| 100°   | 87.1  | 95.3  | 111.5 | 139.4  | 184.7  | 266.1  | 438.0  | 743.6  | 1100.3 | 1329.2 | 1369.8 |
| 102.5° | 107.6 | 114.8 | 130.1 | 155.2  | 196.8  | 269.8  | 415.7  | 687.8  | 1039.9 | 1338.4 | 1478.6 |
| 105°   | 138.3 | 145.2 | 159.2 | 181.2  | 217.3  | 280.0  | 399.7  | 619.3  | 934.1  | 1267.6 | 1510.4 |
| 107.5° | 169.4 | 176.1 | 189.8 | 210.5  | 244.0  | 299.1  | 398.5  | 575.6  | 840.7  | 1143.5 | 1418.8 |
| 110°   | 191.7 | 197.5 | 210.3 | 230.0  | 262.6  | 314.9  | 403.2  | 558.8  | 787.7  | 1065.4 | 1331.5 |





TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 212.2 | 218.0 | 230.7 | 250.5 | 282.1 | 330.7 | 412.5 | 549.6 | 752.4 | 997.6 | 1245.0 |
| 115°   | 242.8 | 249.8 | 261.4 | 281.2 | 312.5 | 356.7 | 427.6 | 546.1 | 714.5 | 915.5 | 1130.5 |
| 117.5° | 273.0 | 278.8 | 289.5 | 311.6 | 340.7 | 384.3 | 447.5 | 548.2 | 692.2 | 866.0 | 1047.5 |
| 120°   | 291.6 | 297.4 | 309.1 | 331.1 | 360.2 | 402.0 | 462.4 | 551.9 | 682.0 | 840.0 | 1003.8 |
| 122.5° | 309.3 | 315.1 | 327.6 | 348.8 | 379.7 | 420.6 | 476.4 | 558.4 | 675.5 | 818.6 | 969.4  |
| 125°   | 333.5 | 340.4 | 353.2 | 375.3 | 406.6 | 447.3 | 498.4 | 568.1 | 666.9 | 791.2 | 923.7  |
| 127.5° | 353.9 | 362.5 | 375.5 | 399.9 | 431.3 | 470.5 | 516.6 | 579.3 | 662.7 | 767.1 | 883.7  |
| 130°   | 366.0 | 376.4 | 390.4 | 414.8 | 446.1 | 484.5 | 528.6 | 586.7 | 659.9 | 754.0 | 858.6  |
| 132.5° | 376.2 | 387.6 | 404.3 | 428.7 | 459.2 | 496.6 | 539.8 | 592.3 | 659.0 | 742.0 | 835.4  |
| 135°   | 392.7 | 405.5 | 422.9 | 447.3 | 478.7 | 514.7 | 554.2 | 600.7 | 657.6 | 726.2 | 804.0  |
| 137.5° | 408.3 | 420.8 | 439.4 | 463.6 | 492.6 | 527.2 | 564.9 | 606.3 | 655.0 | 712.4 | 775.4  |
| 140°   | 419.4 | 431.0 | 449.6 | 472.9 | 501.9 | 535.6 | 570.5 | 610.0 | 654.1 | 704.1 | 758.7  |
| 142.5° | 429.7 | 442.2 | 458.9 | 482.2 | 509.4 | 542.1 | 576.0 | 612.8 | 652.3 | 696.6 | 742.9  |
| 145°   | 446.1 | 456.6 | 474.0 | 493.8 | 520.5 | 550.7 | 582.1 | 614.6 | 649.5 | 686.7 | 723.8  |
| 147.5° | 462.9 | 473.1 | 488.2 | 507.3 | 530.0 | 557.7 | 585.8 | 614.6 | 645.1 | 676.9 | 708.3  |
| 150°   | 474.0 | 483.3 | 498.4 | 514.7 | 535.6 | 562.3 | 586.7 | 614.6 | 641.3 | 670.4 | 697.1  |
| 152.5° | 485.2 | 494.5 | 507.7 | 522.1 | 542.1 | 565.1 | 588.6 | 611.8 | 636.7 | 663.0 | 686.9  |
| 155°   | 503.1 | 510.1 | 521.7 | 534.4 | 550.7 | 570.5 | 589.1 | 608.8 | 628.6 | 651.8 | 671.5  |
| 157.5° | 518.4 | 524.0 | 534.2 | 545.1 | 557.7 | 573.5 | 590.2 | 604.9 | 621.4 | 639.2 | 655.3  |
| 160°   | 528.6 | 533.3 | 542.6 | 550.7 | 562.3 | 576.3 | 590.2 | 603.0 | 615.8 | 630.9 | 646.0  |
| 162.5° | 537.0 | 540.7 | 548.2 | 555.4 | 565.1 | 577.2 | 589.3 | 599.3 | 610.2 | 622.5 | 634.8  |
| 165°   | 548.4 | 550.7 | 556.5 | 561.2 | 569.3 | 578.6 | 586.7 | 593.7 | 601.8 | 611.1 | 620.4  |
| 167.5° | 557.7 | 558.8 | 563.3 | 566.5 | 571.6 | 578.4 | 584.9 | 588.1 | 593.5 | 600.2 | 607.9  |
| 170°   | 562.3 | 563.5 | 567.0 | 569.3 | 571.6 | 577.4 | 582.1 | 584.4 | 587.9 | 593.7 | 599.5  |
| 172.5° | 567.0 | 567.2 | 569.8 | 571.2 | 572.6 | 577.4 | 581.2 | 581.6 | 583.2 | 587.2 | 592.1  |
| 175°   | 571.6 | 570.5 | 572.8 | 572.8 | 574.0 | 576.3 | 578.6 | 577.4 | 577.4 | 579.8 | 582.1  |
| 177.5° | 574.0 | 573.0 | 574.0 | 574.0 | 574.0 | 574.9 | 576.7 | 574.9 | 574.0 | 574.9 | 575.8  |
| 180°   | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0  |



TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  | 894.7  |
| 2.5°   | 943.8  | 943.8  | 945.0  | 949.6  | 950.2  | 954.2  | 952.9  |
| 5°     | 1037.2 | 1044.5 | 1047.2 | 1058.7 | 1065.6 | 1068.6 | 1062.5 |
| 7.5°   | 1151.5 | 1172.0 | 1181.8 | 1193.8 | 1204.4 | 1207.7 | 1199.3 |
| 10°    | 1234.9 | 1256.3 | 1274.3 | 1285.4 | 1295.8 | 1302.6 | 1311.5 |
| 12.5°  | 1315.4 | 1341.8 | 1358.9 | 1374.6 | 1385.2 | 1394.0 | 1395.4 |
| 15°    | 1403.0 | 1442.8 | 1473.1 | 1495.3 | 1506.4 | 1512.2 | 1509.9 |
| 17.5°  | 1491.3 | 1528.2 | 1549.8 | 1572.4 | 1587.8 | 1588.6 | 1589.1 |
| 20°    | 1541.3 | 1577.3 | 1602.2 | 1619.0 | 1636.3 | 1635.5 | 1639.3 |
| 22.5°  | 1574.7 | 1603.0 | 1622.1 | 1634.3 | 1640.2 | 1637.3 | 1638.1 |
| 25°    | 1590.3 | 1598.7 | 1595.3 | 1575.7 | 1570.8 | 1552.8 | 1555.8 |
| 27.5°  | 1509.7 | 1469.9 | 1428.7 | 1375.6 | 1333.8 | 1300.4 | 1302.1 |
| 30°    | 1400.3 | 1329.8 | 1249.4 | 1182.0 | 1121.5 | 1104.6 | 1068.6 |
| 32.5°  | 1247.4 | 1141.7 | 1047.5 | 984.7  | 932.7  | 918.6  | 887.2  |
| 35°    | 988.2  | 885.5  | 788.6  | 730.4  | 707.4  | 675.3  | 674.9  |
| 37.5°  | 768.1  | 677.7  | 626.5  | 582.8  | 559.9  | 540.4  | 538.5  |
| 40°    | 646.2  | 575.7  | 537.0  | 505.6  | 483.0  | 468.4  | 465.0  |
| 42.5°  | 561.0  | 504.0  | 467.7  | 448.3  | 430.9  | 423.4  | 417.8  |
| 45°    | 458.1  | 419.8  | 394.5  | 376.9  | 368.8  | 363.1  | 360.0  |
| 47.5°  | 383.2  | 357.5  | 340.3  | 328.6  | 322.0  | 316.0  | 317.6  |
| 50°    | 342.4  | 321.4  | 308.7  | 297.6  | 292.6  | 288.4  | 288.8  |
| 52.5°  | 309.6  | 290.7  | 280.5  | 272.5  | 266.3  | 263.3  | 261.8  |
| 55°    | 262.8  | 250.9  | 240.5  | 234.8  | 231.3  | 227.1  | 226.0  |
| 57.5°  | 224.1  | 214.9  | 206.5  | 200.0  | 199.2  | 195.1  | 195.6  |
| 60°    | 198.4  | 190.7  | 183.8  | 180.4  | 177.7  | 174.3  | 175.4  |
| 62.5°  | 177.3  | 170.8  | 164.5  | 161.7  | 159.0  | 156.5  | 157.0  |
| 65°    | 145.2  | 139.0  | 135.2  | 133.7  | 132.5  | 131.4  | 130.2  |
| 67.5°  | 115.7  | 111.9  | 109.5  | 106.2  | 103.9  | 103.5  | 102.3  |
| 70°    | 97.3   | 92.3   | 88.1   | 83.9   | 82.7   | 82.3   | 82.7   |
| 72.5°  | 78.0   | 74.8   | 73.7   | 71.6   | 71.4   | 70.4   | 71.1   |
| 75°    | 58.6   | 57.5   | 56.7   | 55.2   | 55.2   | 55.2   | 55.2   |
| 77.5°  | 43.2   | 42.5   | 42.1   | 41.7   | 41.4   | 40.8   | 40.8   |
| 80°    | 33.7   | 33.3   | 32.6   | 32.6   | 32.2   | 32.6   | 32.2   |
| 82.5°  | 25.4   | 25.4   | 24.6   | 24.6   | 24.2   | 24.0   | 24.2   |
| 85°    | 13.0   | 12.6   | 13.4   | 12.6   | 13.0   | 12.3   | 13.0   |
| 87.5°  | 9.7    | 10.0   | 10.1   | 9.9    | 9.8    | 10.6   | 9.8    |
| 90°    | 30.2   | 31.4   | 33.7   | 32.5   | 33.7   | 34.9   | 33.7   |
| 92.5°  | 77.6   | 68.5   | 62.5   | 60.4   | 56.9   | 58.1   | 56.0   |
| 95°    | 283.5  | 221.9  | 180.1  | 158.0  | 147.6  | 139.4  | 134.8  |
| 97.5°  | 835.1  | 685.3  | 546.3  | 460.6  | 408.3  | 376.9  | 366.9  |
| 100°   | 1275.7 | 1139.8 | 974.8  | 857.4  | 772.6  | 727.3  | 728.5  |
| 102.5° | 1475.5 | 1396.3 | 1291.7 | 1200.4 | 1133.3 | 1095.4 | 1068.7 |
| 105°   | 1626.6 | 1648.7 | 1618.5 | 1565.0 | 1520.9 | 1483.7 | 1477.9 |
| 107.5° | 1607.5 | 1709.3 | 1750.7 | 1751.6 | 1736.7 | 1724.2 | 1713.5 |
| 110°   | 1545.3 | 1691.7 | 1773.0 | 1805.5 | 1814.8 | 1812.5 | 1810.2 |



TEST NUMBER: P332296

CATALOG NUMBER: S123RDIP-S560D1195U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1463.5 | 1627.5 | 1732.1 | 1791.6 | 1820.4 | 1829.2 | 1829.7 |
| 115°   | 1332.6 | 1503.4 | 1630.1 | 1717.2 | 1768.3 | 1791.6 | 1797.4 |
| 117.5° | 1222.0 | 1375.4 | 1503.9 | 1594.8 | 1653.3 | 1686.8 | 1694.7 |
| 120°   | 1160.7 | 1300.1 | 1417.5 | 1509.2 | 1574.3 | 1602.2 | 1609.2 |
| 122.5° | 1111.4 | 1240.6 | 1349.6 | 1431.2 | 1489.7 | 1520.4 | 1529.2 |
| 125°   | 1050.3 | 1161.8 | 1254.8 | 1329.2 | 1380.3 | 1409.3 | 1417.5 |
| 127.5° | 996.6  | 1097.2 | 1181.8 | 1248.1 | 1291.7 | 1318.0 | 1325.4 |
| 130°   | 963.2  | 1057.3 | 1136.3 | 1197.9 | 1239.7 | 1264.1 | 1273.4 |
| 132.5° | 931.6  | 1019.2 | 1094.5 | 1152.3 | 1194.1 | 1215.8 | 1222.3 |
| 135°   | 886.5  | 962.0  | 1028.2 | 1085.2 | 1120.0 | 1140.9 | 1149.1 |
| 137.5° | 843.0  | 908.1  | 965.5  | 1013.4 | 1048.7 | 1066.3 | 1071.7 |
| 140°   | 817.9  | 873.7  | 923.7  | 967.8  | 1000.4 | 1018.9 | 1017.8 |
| 142.5° | 793.8  | 842.1  | 885.6  | 923.2  | 952.0  | 968.7  | 967.6  |
| 145°   | 762.2  | 799.4  | 833.0  | 862.1  | 886.5  | 895.8  | 898.1  |
| 147.5° | 738.7  | 768.7  | 792.6  | 814.7  | 831.2  | 840.0  | 840.9  |
| 150°   | 723.8  | 748.2  | 770.3  | 787.7  | 800.5  | 807.5  | 807.5  |
| 152.5° | 709.9  | 731.5  | 749.9  | 763.6  | 775.4  | 779.6  | 779.6  |
| 155°   | 690.1  | 707.6  | 721.5  | 732.0  | 741.3  | 743.6  | 744.7  |
| 157.5° | 670.9  | 684.3  | 695.2  | 704.3  | 711.3  | 713.1  | 712.9  |
| 160°   | 658.8  | 670.4  | 678.5  | 686.7  | 693.6  | 693.6  | 692.5  |
| 162.5° | 645.8  | 656.4  | 663.6  | 669.0  | 675.0  | 675.0  | 673.9  |
| 165°   | 627.4  | 635.5  | 641.3  | 646.0  | 650.6  | 649.5  | 649.5  |
| 167.5° | 613.2  | 617.9  | 622.1  | 624.1  | 627.4  | 626.2  | 626.2  |
| 170°   | 603.0  | 607.6  | 610.0  | 611.1  | 613.5  | 612.3  | 612.3  |
| 172.5° | 594.6  | 598.4  | 599.7  | 600.0  | 602.3  | 600.2  | 599.3  |
| 175°   | 583.2  | 585.6  | 585.6  | 585.6  | 586.7  | 585.6  | 584.4  |
| 177.5° | 576.7  | 577.7  | 577.7  | 576.7  | 577.7  | 575.8  | 575.8  |
| 180°   | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  | 574.0  |

(END OF REPORT)