

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: P332289-830

Luminaire Tested: **S123RDIP-S560D1025U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332289-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S560D1025U830-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1025 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5421.7 lumens
Efficiency: N/A
Efficacy: 121.8 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

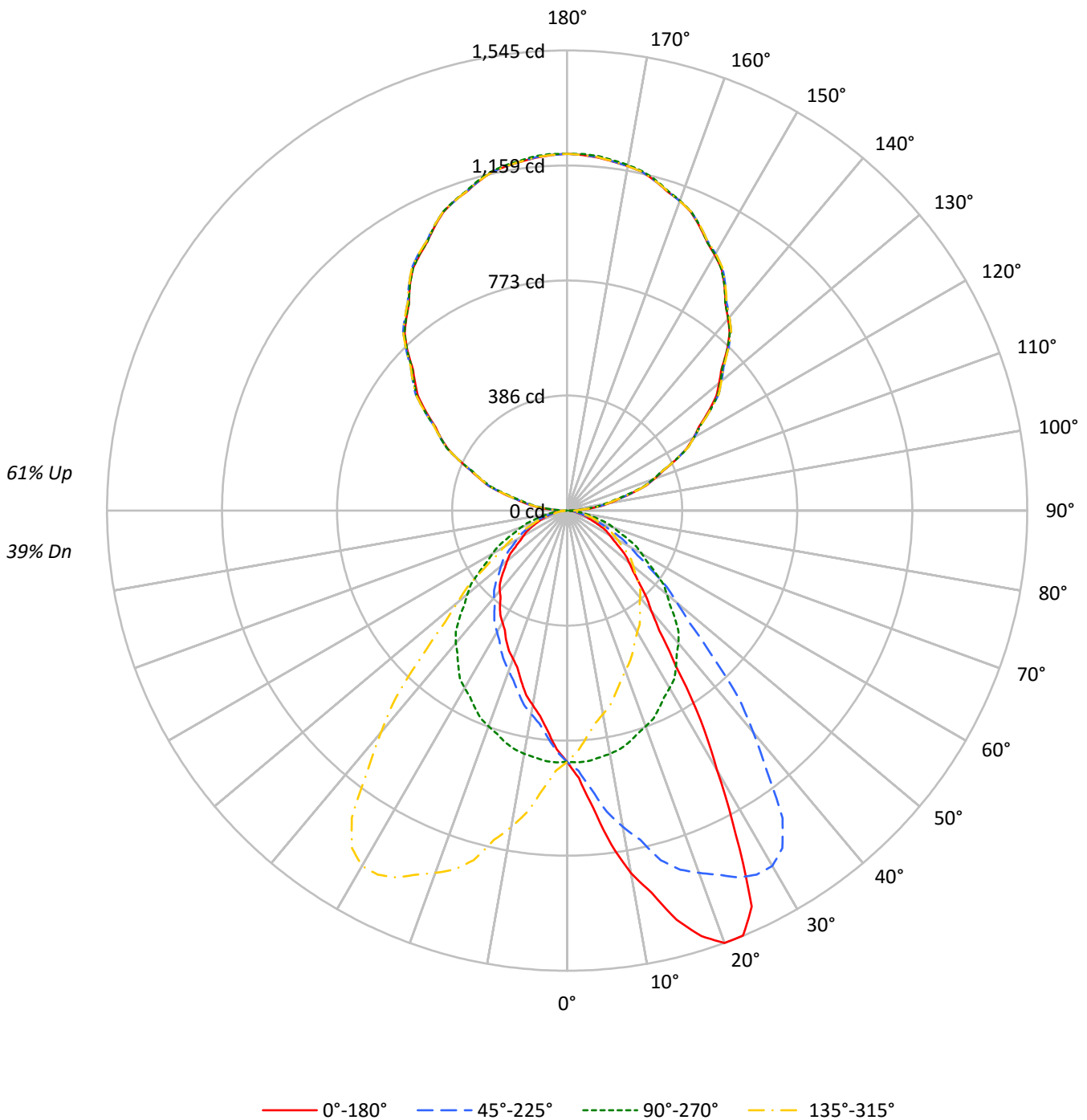
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 |
| 1 | 96 | 92 | 88 | 85 | 87 | 83 | 80 | 78 | 68 | 66 | 64 | 54 | 53 | 51 | 41 | 40 | 40 | 34 |
| 2 | 87 | 81 | 75 | 70 | 79 | 73 | 69 | 64 | 60 | 57 | 54 | 48 | 46 | 44 | 37 | 35 | 34 | 29 |
| 3 | 80 | 71 | 64 | 59 | 73 | 65 | 59 | 54 | 54 | 49 | 46 | 43 | 40 | 37 | 33 | 31 | 29 | 25 |
| 4 | 73 | 63 | 56 | 50 | 67 | 58 | 51 | 46 | 48 | 43 | 39 | 38 | 35 | 32 | 30 | 28 | 26 | 22 |
| 5 | 67 | 56 | 49 | 43 | 61 | 52 | 45 | 40 | 43 | 38 | 34 | 35 | 31 | 28 | 27 | 25 | 23 | 19 |
| 6 | 62 | 51 | 43 | 37 | 56 | 47 | 40 | 35 | 39 | 34 | 30 | 31 | 28 | 25 | 25 | 22 | 20 | 17 |
| 7 | 58 | 46 | 38 | 33 | 52 | 42 | 35 | 31 | 35 | 30 | 26 | 29 | 25 | 22 | 23 | 20 | 18 | 15 |
| 8 | 53 | 42 | 34 | 29 | 49 | 38 | 32 | 27 | 32 | 27 | 23 | 26 | 23 | 20 | 21 | 18 | 16 | 14 |
| 9 | 50 | 38 | 31 | 26 | 45 | 35 | 29 | 24 | 29 | 25 | 21 | 24 | 20 | 18 | 19 | 17 | 15 | 12 |
| 10 | 46 | 35 | 28 | 23 | 42 | 32 | 26 | 22 | 27 | 22 | 19 | 22 | 19 | 16 | 18 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 9077 | 9077 | 9077 | 9077 |
| 5° | 10821 | 9116 | 8028 | 9116 |
| 10° | 13511 | 9063 | 7252 | 9063 |
| 15° | 15858 | 8971 | 6614 | 8971 |
| 20° | 17699 | 8833 | 6071 | 8833 |
| 25° | 17416 | 8687 | 5738 | 8687 |
| 30° | 12519 | 8552 | 5393 | 8552 |
| 35° | 8359 | 8377 | 5171 | 8377 |
| 40° | 6159 | 8168 | 4942 | 8168 |
| 45° | 5165 | 7798 | 4714 | 7798 |
| 50° | 4558 | 7316 | 4401 | 7316 |
| 55° | 3997 | 6762 | 3969 | 6762 |
| 60° | 3559 | 6232 | 3638 | 6232 |
| 65° | 3125 | 5662 | 3385 | 5662 |
| 70° | 2452 | 5158 | 3091 | 5158 |
| 75° | 2163 | 4504 | 2824 | 4504 |
| 80° | 1878 | 3825 | 2777 | 3825 |
| 85° | 1519 | 3075 | 2939 | 3075 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 82.9 | 1.5 |
| 10°-20° | 259.1 | 4.8 |
| 20°-30° | 407.0 | 7.5 |
| 30°-40° | 424.7 | 7.8 |
| 40°-50° | 363.4 | 6.7 |
| 50°-60° | 277.0 | 5.1 |
| 60°-70° | 177.6 | 3.3 |
| 70°-80° | 85.4 | 1.6 |
| 80°-90° | 26.2 | 0.5 |
| 90°-100° | 78.0 | 1.4 |
| 100°-110° | 233.5 | 4.3 |
| 110°-120° | 397.2 | 7.3 |
| 120°-130° | 522.5 | 9.6 |
| 130°-140° | 587.2 | 10.8 |
| 140°-150° | 577.2 | 10.6 |
| 150°-160° | 486.0 | 9.0 |
| 160°-170° | 323.5 | 6.0 |
| 170°-180° | 113.3 | 2.1 |
| 0°-30° | 749.1 | 13.8 |
| 0°-40° | 1173.7 | 21.6 |
| 0°-60° | 1814.2 | 33.5 |
| 0°-90° | 2103.3 | 38.8 |
| 90°-120° | 708.8 | 13.1 |
| 90°-150° | 2395.7 | 44.2 |
| 90°-180° | 3318.0 | 61.2 |
| 0°-180° | 5421.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 843 | 843 | 843 | 843 | 843 | |
| 5° | 1002 | 844 | 743 | 844 | 1002 | 103 |
| 15° | 1423 | 805 | 594 | 805 | 1423 | 404 |
| 25° | 1466 | 731 | 483 | 731 | 1466 | 630 |
| 35° | 636 | 638 | 394 | 638 | 636 | 417 |
| 45° | 339 | 512 | 310 | 512 | 339 | 267 |
| 55° | 213 | 360 | 212 | 360 | 213 | 193 |
| 65° | 123 | 222 | 133 | 222 | 123 | 121 |
| 75° | 52 | 108 | 68 | 108 | 52 | 56 |
| 85° | 12 | 25 | 24 | 25 | 12 | 15 |
| 90° | 28 | 1 | 28 | 1 | 28 | 14 |
| 95° | 73 | 56 | 73 | 56 | 73 | 75 |
| 105° | 224 | 212 | 224 | 212 | 224 | 238 |
| 115° | 401 | 400 | 401 | 400 | 401 | 397 |
| 125° | 579 | 585 | 579 | 585 | 579 | 517 |
| 135° | 758 | 759 | 758 | 759 | 758 | 583 |
| 145° | 921 | 921 | 921 | 921 | 921 | 575 |
| 155° | 1053 | 1055 | 1053 | 1055 | 1053 | 485 |
| 165° | 1145 | 1149 | 1145 | 1149 | 1145 | 323 |
| 175° | 1190 | 1195 | 1190 | 1195 | 1190 | 113 |
| 180° | 1198 | 1198 | 1198 | 1198 | 1198 | |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 |
| 2.5° | 898.1 | 899.4 | 895.6 | 895.0 | 890.7 | 889.6 | 889.6 | 883.4 | 879.7 | 874.8 | 871.9 |
| 5° | 1001.5 | 1007.2 | 1004.4 | 997.9 | 987.0 | 984.5 | 977.6 | 966.8 | 954.5 | 939.3 | 932.2 |
| 7.5° | 1130.4 | 1138.3 | 1135.2 | 1125.2 | 1113.9 | 1104.7 | 1085.3 | 1067.3 | 1042.2 | 1020.1 | 1001.2 |
| 10° | 1236.1 | 1227.8 | 1221.3 | 1211.5 | 1201.1 | 1184.1 | 1163.9 | 1136.1 | 1104.0 | 1078.7 | 1050.6 |
| 12.5° | 1315.2 | 1313.9 | 1305.6 | 1295.6 | 1280.8 | 1264.7 | 1239.8 | 1206.0 | 1168.7 | 1132.1 | 1099.9 |
| 15° | 1423.1 | 1425.3 | 1419.8 | 1409.4 | 1388.5 | 1359.9 | 1322.4 | 1308.3 | 1254.9 | 1215.1 | 1175.4 |
| 17.5° | 1497.8 | 1497.3 | 1496.6 | 1482.1 | 1460.8 | 1440.4 | 1405.6 | 1368.6 | 1320.2 | 1264.2 | 1210.8 |
| 20° | 1545.1 | 1541.5 | 1542.3 | 1526.0 | 1510.1 | 1486.7 | 1452.7 | 1398.9 | 1359.2 | 1294.6 | 1239.3 |
| 22.5° | 1544.0 | 1543.2 | 1546.0 | 1540.4 | 1528.9 | 1510.9 | 1484.2 | 1438.8 | 1388.1 | 1322.9 | 1260.7 |
| 25° | 1466.4 | 1463.6 | 1480.5 | 1485.2 | 1503.6 | 1506.8 | 1498.9 | 1474.0 | 1426.0 | 1358.9 | 1282.0 |
| 27.5° | 1227.3 | 1225.7 | 1257.2 | 1296.6 | 1346.6 | 1385.4 | 1423.0 | 1441.1 | 1426.0 | 1377.9 | 1300.9 |
| 30° | 1007.2 | 1041.1 | 1057.1 | 1114.1 | 1177.6 | 1253.4 | 1319.8 | 1383.0 | 1398.5 | 1377.6 | 1314.5 |
| 32.5° | 836.2 | 865.8 | 879.1 | 928.1 | 987.3 | 1076.1 | 1175.7 | 1265.2 | 1328.4 | 1344.4 | 1306.4 |
| 35° | 636.1 | 636.5 | 666.8 | 688.4 | 743.3 | 834.6 | 931.4 | 1051.2 | 1170.4 | 1260.7 | 1270.1 |
| 37.5° | 507.6 | 509.3 | 527.7 | 549.3 | 590.5 | 638.8 | 724.0 | 823.6 | 961.2 | 1099.8 | 1181.0 |
| 40° | 438.3 | 441.5 | 455.2 | 476.5 | 506.1 | 542.6 | 609.1 | 702.9 | 817.7 | 971.9 | 1097.9 |
| 42.5° | 393.8 | 399.1 | 406.1 | 422.5 | 440.8 | 475.0 | 528.8 | 601.2 | 705.6 | 851.4 | 996.7 |
| 45° | 339.3 | 342.2 | 347.6 | 355.2 | 371.8 | 395.7 | 431.8 | 480.5 | 567.1 | 684.5 | 830.0 |
| 47.5° | 299.4 | 297.8 | 303.5 | 309.7 | 320.7 | 337.0 | 361.2 | 401.0 | 462.8 | 556.9 | 680.3 |
| 50° | 272.2 | 271.8 | 275.8 | 280.5 | 291.0 | 302.9 | 322.7 | 352.7 | 401.8 | 479.8 | 592.8 |
| 52.5° | 246.8 | 248.2 | 251.0 | 256.8 | 264.4 | 274.0 | 291.8 | 313.4 | 355.6 | 422.9 | 517.1 |
| 55° | 213.0 | 214.1 | 218.0 | 221.3 | 226.7 | 236.5 | 247.7 | 265.7 | 294.5 | 341.5 | 419.1 |
| 57.5° | 184.4 | 183.9 | 187.8 | 188.5 | 194.6 | 202.6 | 211.2 | 225.3 | 246.2 | 281.1 | 333.4 |
| 60° | 165.3 | 164.3 | 167.5 | 170.0 | 173.2 | 179.7 | 187.0 | 200.8 | 217.4 | 243.0 | 287.8 |
| 62.5° | 148.0 | 147.5 | 149.9 | 152.4 | 155.0 | 161.0 | 167.1 | 177.6 | 190.8 | 212.4 | 247.9 |
| 65° | 122.7 | 123.9 | 124.9 | 126.0 | 127.4 | 131.0 | 136.9 | 144.0 | 153.1 | 168.2 | 193.9 |
| 67.5° | 96.4 | 97.6 | 97.9 | 100.1 | 103.2 | 105.5 | 109.1 | 115.5 | 121.8 | 134.5 | 149.1 |
| 70° | 77.9 | 77.6 | 77.9 | 79.1 | 83.0 | 87.0 | 91.7 | 96.4 | 100.4 | 109.4 | 121.7 |
| 72.5° | 67.0 | 66.4 | 67.3 | 67.5 | 69.5 | 70.5 | 73.5 | 77.9 | 83.0 | 89.2 | 98.0 |
| 75° | 52.0 | 52.0 | 52.0 | 52.0 | 53.4 | 54.2 | 55.2 | 56.4 | 58.2 | 61.0 | 67.5 |
| 77.5° | 38.5 | 38.5 | 39.0 | 39.3 | 39.7 | 40.1 | 40.7 | 41.8 | 42.4 | 44.0 | 46.8 |
| 80° | 30.3 | 30.7 | 30.3 | 30.7 | 30.7 | 31.4 | 31.8 | 32.9 | 33.2 | 35.1 | 36.1 |
| 82.5° | 22.8 | 22.6 | 22.8 | 23.2 | 23.2 | 23.9 | 23.9 | 24.8 | 24.9 | 25.7 | 26.9 |
| 85° | 12.3 | 11.6 | 12.3 | 11.9 | 12.6 | 11.9 | 12.3 | 13.0 | 13.0 | 13.4 | 14.8 |
| 87.5° | 8.6 | 9.0 | 8.4 | 8.6 | 8.5 | 8.7 | 8.5 | 8.3 | 8.8 | 8.3 | 8.0 |
| 90° | 28.2 | 27.8 | 27.4 | 27.0 | 26.6 | 25.9 | 25.1 | 24.2 | 23.4 | 22.6 | 19.9 |
| 92.5° | 38.0 | 38.3 | 38.5 | 38.7 | 39.0 | 38.8 | 38.2 | 37.5 | 36.8 | 36.1 | 34.6 |
| 95° | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.0 | 72.1 | 71.3 | 70.5 | 69.7 | 68.0 |
| 97.5° | 112.9 | 113.0 | 113.1 | 113.2 | 113.2 | 112.8 | 111.9 | 110.8 | 109.9 | 109.0 | 107.7 |
| 100° | 143.0 | 142.6 | 142.1 | 141.8 | 141.4 | 140.8 | 140.2 | 139.6 | 138.9 | 138.3 | 137.2 |
| 102.5° | 173.9 | 174.0 | 174.0 | 174.1 | 174.2 | 173.9 | 173.3 | 172.7 | 172.0 | 171.4 | 170.0 |
| 105° | 223.9 | 223.5 | 223.1 | 222.6 | 222.3 | 222.1 | 222.1 | 222.1 | 222.1 | 222.1 | 220.2 |
| 107.5° | 276.1 | 276.3 | 276.5 | 276.8 | 277.0 | 276.8 | 276.2 | 275.5 | 274.8 | 274.2 | 273.4 |
| 110° | 311.4 | 311.9 | 312.3 | 312.6 | 313.1 | 312.9 | 312.1 | 311.2 | 310.4 | 309.5 | 309.2 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 349.0 | 349.1 | 349.2 | 349.3 | 349.4 | 348.9 | 347.9 | 346.9 | 345.9 | 344.9 | 344.9 |
| 115° | 400.8 | 401.1 | 401.2 | 401.4 | 401.6 | 401.6 | 401.4 | 401.2 | 401.1 | 400.8 | 401.2 |
| 117.5° | 453.3 | 453.9 | 454.5 | 455.1 | 455.6 | 456.0 | 456.0 | 456.0 | 456.1 | 456.1 | 456.7 |
| 120° | 490.2 | 490.6 | 491.1 | 491.4 | 491.8 | 492.2 | 492.4 | 492.6 | 492.8 | 493.0 | 494.1 |
| 122.5° | 525.6 | 526.1 | 526.7 | 527.4 | 527.9 | 528.5 | 529.0 | 529.5 | 530.1 | 530.7 | 531.2 |
| 125° | 578.6 | 579.5 | 580.3 | 581.2 | 581.9 | 582.8 | 583.6 | 584.5 | 585.3 | 586.2 | 586.5 |
| 127.5° | 631.5 | 632.4 | 633.4 | 634.4 | 635.4 | 636.4 | 637.6 | 638.8 | 639.9 | 641.1 | 641.6 |
| 130° | 666.1 | 667.6 | 669.0 | 670.5 | 671.9 | 673.2 | 673.9 | 674.8 | 675.6 | 676.5 | 677.1 |
| 132.5° | 702.3 | 703.4 | 704.6 | 705.7 | 706.8 | 707.8 | 708.9 | 709.8 | 710.9 | 711.8 | 712.3 |
| 135° | 758.4 | 758.7 | 759.1 | 759.6 | 760.0 | 760.6 | 761.5 | 762.3 | 763.2 | 763.9 | 764.2 |
| 137.5° | 807.9 | 808.6 | 809.4 | 810.2 | 811.0 | 811.8 | 812.8 | 813.6 | 814.5 | 815.3 | 814.8 |
| 140° | 840.2 | 841.7 | 843.1 | 844.6 | 846.0 | 846.9 | 847.1 | 847.3 | 847.5 | 847.7 | 847.5 |
| 142.5° | 873.3 | 874.4 | 875.5 | 876.7 | 877.8 | 878.4 | 878.7 | 878.9 | 879.1 | 879.3 | 878.9 |
| 145° | 921.1 | 921.9 | 922.7 | 923.6 | 924.4 | 924.9 | 925.2 | 925.4 | 925.6 | 925.8 | 925.2 |
| 147.5° | 963.7 | 964.9 | 966.1 | 967.4 | 968.7 | 969.3 | 969.3 | 969.3 | 969.3 | 969.3 | 968.7 |
| 150° | 990.7 | 991.9 | 993.3 | 994.5 | 995.7 | 996.4 | 996.4 | 996.4 | 996.4 | 996.4 | 996.0 |
| 152.5° | 1017.1 | 1018.1 | 1019.3 | 1020.3 | 1021.4 | 1021.8 | 1021.4 | 1021.2 | 1020.8 | 1020.5 | 1020.2 |
| 155° | 1052.8 | 1054.2 | 1055.7 | 1057.2 | 1058.7 | 1058.9 | 1058.2 | 1057.3 | 1056.5 | 1055.6 | 1055.5 |
| 157.5° | 1085.3 | 1086.6 | 1087.7 | 1088.9 | 1090.1 | 1090.2 | 1089.3 | 1088.4 | 1087.6 | 1086.7 | 1086.6 |
| 160° | 1106.5 | 1107.3 | 1108.1 | 1109.0 | 1109.7 | 1109.7 | 1108.6 | 1107.6 | 1106.5 | 1105.5 | 1105.5 |
| 162.5° | 1122.3 | 1123.6 | 1124.9 | 1126.2 | 1127.6 | 1127.8 | 1126.7 | 1125.7 | 1124.6 | 1123.6 | 1123.4 |
| 165° | 1145.0 | 1146.5 | 1147.9 | 1149.4 | 1150.8 | 1150.9 | 1149.7 | 1148.5 | 1147.2 | 1145.9 | 1145.9 |
| 167.5° | 1164.4 | 1165.7 | 1167.0 | 1168.3 | 1169.6 | 1169.6 | 1168.3 | 1167.0 | 1165.7 | 1164.4 | 1164.2 |
| 170° | 1174.2 | 1175.6 | 1177.1 | 1178.6 | 1180.1 | 1180.1 | 1178.6 | 1177.1 | 1175.6 | 1174.2 | 1174.2 |
| 172.5° | 1181.7 | 1183.2 | 1184.7 | 1186.1 | 1187.6 | 1187.6 | 1186.4 | 1185.1 | 1183.7 | 1182.4 | 1182.4 |
| 175° | 1190.1 | 1191.7 | 1193.1 | 1194.6 | 1196.0 | 1196.2 | 1194.9 | 1193.6 | 1192.4 | 1191.1 | 1191.1 |
| 177.5° | 1194.7 | 1195.9 | 1197.0 | 1198.3 | 1199.4 | 1199.5 | 1198.4 | 1197.5 | 1196.5 | 1195.4 | 1195.4 |
| 180° | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 |
| 2.5° | 870.7 | 869.9 | 865.8 | 861.2 | 855.2 | 851.1 | 847.9 | 846.2 | 841.0 | 834.6 | 830.3 |
| 5° | 924.5 | 913.7 | 902.2 | 888.1 | 875.1 | 861.8 | 853.5 | 843.7 | 831.8 | 818.4 | 809.0 |
| 7.5° | 982.1 | 960.9 | 938.0 | 914.5 | 891.1 | 870.2 | 851.7 | 835.8 | 816.9 | 797.8 | 784.3 |
| 10° | 1026.3 | 995.3 | 963.2 | 930.3 | 900.3 | 872.2 | 850.6 | 829.2 | 806.5 | 784.5 | 767.9 |
| 12.5° | 1066.5 | 1025.7 | 988.6 | 948.2 | 909.9 | 876.3 | 845.1 | 820.0 | 792.7 | 769.2 | 750.3 |
| 15° | 1117.3 | 1075.4 | 1030.7 | 969.3 | 918.4 | 875.8 | 837.9 | 805.0 | 771.8 | 743.0 | 724.5 |
| 17.5° | 1164.8 | 1101.8 | 1041.7 | 990.4 | 924.4 | 871.1 | 824.8 | 785.5 | 749.1 | 718.5 | 695.8 |
| 20° | 1184.5 | 1123.5 | 1058.1 | 992.8 | 927.8 | 868.3 | 814.5 | 771.1 | 733.2 | 698.5 | 677.6 |
| 22.5° | 1196.3 | 1127.2 | 1058.4 | 988.2 | 919.2 | 857.2 | 804.1 | 756.4 | 715.3 | 682.4 | 656.6 |
| 25° | 1210.1 | 1127.8 | 1052.0 | 982.7 | 912.3 | 845.1 | 781.9 | 731.4 | 687.0 | 652.0 | 624.5 |
| 27.5° | 1219.2 | 1122.4 | 1032.7 | 955.7 | 884.3 | 817.5 | 759.6 | 706.0 | 660.9 | 623.9 | 594.5 |
| 30° | 1221.0 | 1118.0 | 1018.0 | 934.6 | 862.0 | 800.7 | 739.3 | 688.1 | 640.5 | 601.1 | 573.6 |
| 32.5° | 1223.2 | 1107.4 | 998.2 | 909.6 | 835.3 | 774.5 | 718.9 | 669.9 | 621.0 | 582.3 | 554.3 |
| 35° | 1213.7 | 1101.5 | 967.9 | 866.1 | 791.7 | 732.8 | 682.7 | 637.5 | 589.6 | 552.0 | 523.5 |
| 37.5° | 1172.7 | 1078.0 | 936.5 | 817.1 | 739.3 | 684.9 | 643.9 | 604.6 | 560.6 | 520.1 | 493.2 |
| 40° | 1131.4 | 1054.9 | 912.3 | 787.4 | 706.2 | 650.2 | 613.3 | 581.3 | 538.7 | 500.7 | 471.8 |
| 42.5° | 1069.9 | 1023.4 | 889.2 | 756.2 | 668.5 | 614.6 | 583.6 | 553.5 | 516.1 | 477.6 | 450.4 |
| 45° | 957.1 | 963.2 | 841.9 | 706.5 | 616.6 | 562.4 | 533.2 | 512.3 | 479.1 | 447.3 | 419.5 |
| 47.5° | 815.5 | 872.9 | 786.4 | 653.6 | 561.8 | 511.0 | 485.4 | 467.1 | 444.8 | 413.6 | 388.2 |
| 50° | 723.1 | 805.0 | 741.9 | 618.0 | 527.4 | 476.9 | 451.7 | 436.9 | 417.4 | 392.8 | 368.6 |
| 52.5° | 637.9 | 725.9 | 688.2 | 578.4 | 490.2 | 443.9 | 419.2 | 407.1 | 391.6 | 368.5 | 346.7 |
| 55° | 520.2 | 609.4 | 600.7 | 518.8 | 434.3 | 392.8 | 374.0 | 360.3 | 349.8 | 332.5 | 315.2 |
| 57.5° | 420.8 | 505.3 | 509.8 | 452.3 | 385.0 | 344.0 | 327.9 | 317.5 | 310.7 | 297.7 | 281.6 |
| 60° | 358.2 | 435.7 | 450.9 | 407.6 | 349.8 | 313.7 | 297.8 | 289.5 | 284.1 | 273.6 | 261.4 |
| 62.5° | 306.1 | 372.2 | 389.4 | 358.2 | 316.0 | 282.2 | 269.8 | 261.8 | 258.2 | 249.1 | 238.3 |
| 65° | 234.3 | 289.2 | 305.8 | 288.4 | 266.5 | 239.3 | 229.2 | 222.3 | 219.1 | 214.1 | 206.1 |
| 67.5° | 176.2 | 216.2 | 234.4 | 222.2 | 214.2 | 197.1 | 190.7 | 187.0 | 184.1 | 180.7 | 174.0 |
| 70° | 141.5 | 171.2 | 189.9 | 186.6 | 180.1 | 171.2 | 166.5 | 163.9 | 161.0 | 158.2 | 152.3 |
| 72.5° | 113.8 | 134.1 | 151.7 | 153.4 | 148.1 | 146.3 | 142.1 | 141.1 | 139.3 | 135.9 | 132.7 |
| 75° | 75.5 | 89.5 | 101.8 | 106.5 | 108.7 | 110.5 | 108.7 | 108.3 | 107.9 | 105.1 | 103.2 |
| 77.5° | 49.5 | 57.0 | 64.8 | 72.8 | 76.2 | 78.6 | 79.2 | 80.5 | 79.6 | 78.0 | 77.2 |
| 80° | 37.9 | 39.7 | 45.1 | 52.0 | 57.4 | 59.6 | 61.0 | 61.7 | 61.4 | 61.0 | 59.6 |
| 82.5° | 27.5 | 29.0 | 31.6 | 36.4 | 40.9 | 44.6 | 45.4 | 45.2 | 46.1 | 46.3 | 45.1 |
| 85° | 14.8 | 15.2 | 15.9 | 16.6 | 19.1 | 23.1 | 24.2 | 24.9 | 25.6 | 25.6 | 23.5 |
| 87.5° | 8.0 | 7.3 | 7.3 | 6.8 | 7.3 | 7.1 | 8.4 | 9.4 | 10.2 | 9.4 | 9.8 |
| 90° | 17.2 | 14.4 | 11.7 | 9.3 | 7.3 | 5.1 | 3.0 | 0.9 | 3.0 | 5.1 | 7.3 |
| 92.5° | 33.0 | 31.5 | 30.0 | 28.5 | 27.1 | 25.6 | 24.2 | 22.8 | 24.2 | 25.6 | 27.1 |
| 95° | 66.3 | 64.6 | 63.0 | 61.4 | 59.9 | 58.4 | 56.9 | 55.5 | 56.9 | 58.4 | 59.9 |
| 97.5° | 106.5 | 105.3 | 104.1 | 102.9 | 101.9 | 100.8 | 99.7 | 98.6 | 99.7 | 100.8 | 101.9 |
| 100° | 136.2 | 135.2 | 134.1 | 133.0 | 131.7 | 130.4 | 129.2 | 128.0 | 129.2 | 130.4 | 131.7 |
| 102.5° | 168.6 | 167.3 | 165.9 | 164.9 | 164.1 | 163.3 | 162.6 | 161.8 | 162.6 | 163.3 | 164.1 |
| 105° | 218.3 | 216.4 | 214.5 | 213.4 | 212.9 | 212.5 | 212.1 | 211.7 | 212.1 | 212.5 | 212.9 |
| 107.5° | 272.7 | 271.9 | 271.2 | 270.7 | 270.4 | 270.1 | 269.9 | 269.7 | 269.9 | 270.1 | 270.4 |
| 110° | 308.7 | 308.3 | 307.8 | 307.5 | 307.0 | 306.6 | 306.2 | 305.8 | 306.2 | 306.6 | 307.0 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 344.8 | 344.7 | 344.6 | 344.4 | 344.1 | 343.9 | 343.7 | 343.4 | 343.7 | 343.9 | 344.1 |
| 115° | 401.6 | 402.1 | 402.5 | 402.4 | 401.7 | 401.1 | 400.5 | 399.8 | 400.5 | 401.1 | 401.7 |
| 117.5° | 457.2 | 457.8 | 458.3 | 458.4 | 458.0 | 457.5 | 457.1 | 456.7 | 457.1 | 457.5 | 458.0 |
| 120° | 495.1 | 496.2 | 497.2 | 497.1 | 495.9 | 494.6 | 493.3 | 492.1 | 493.3 | 494.6 | 495.9 |
| 122.5° | 531.7 | 532.3 | 532.8 | 532.6 | 531.7 | 530.7 | 529.9 | 529.0 | 529.9 | 530.7 | 531.7 |
| 125° | 587.0 | 587.4 | 587.9 | 587.7 | 587.1 | 586.4 | 585.9 | 585.2 | 585.9 | 586.4 | 587.1 |
| 127.5° | 642.1 | 642.4 | 642.9 | 642.5 | 641.1 | 639.8 | 638.5 | 637.2 | 638.5 | 639.8 | 641.1 |
| 130° | 677.7 | 678.3 | 679.0 | 678.4 | 676.7 | 675.1 | 673.4 | 671.8 | 673.4 | 675.1 | 676.7 |
| 132.5° | 712.8 | 713.2 | 713.7 | 713.1 | 711.4 | 709.7 | 708.0 | 706.4 | 708.0 | 709.7 | 711.4 |
| 135° | 764.4 | 764.6 | 764.8 | 764.3 | 763.0 | 761.8 | 760.5 | 759.3 | 760.5 | 761.8 | 763.0 |
| 137.5° | 814.3 | 813.7 | 813.1 | 812.4 | 811.3 | 810.3 | 809.3 | 808.2 | 809.3 | 810.3 | 811.3 |
| 140° | 847.3 | 847.1 | 846.9 | 846.2 | 845.2 | 844.1 | 843.1 | 842.1 | 843.1 | 844.1 | 845.2 |
| 142.5° | 878.5 | 878.2 | 877.8 | 877.1 | 876.1 | 875.1 | 873.9 | 872.9 | 873.9 | 875.1 | 876.1 |
| 145° | 924.5 | 923.9 | 923.3 | 922.7 | 922.4 | 921.9 | 921.5 | 921.1 | 921.5 | 921.9 | 922.4 |
| 147.5° | 968.1 | 967.5 | 967.0 | 966.3 | 965.5 | 964.8 | 964.0 | 963.3 | 964.0 | 964.8 | 965.5 |
| 150° | 995.5 | 995.1 | 994.7 | 994.3 | 993.8 | 993.4 | 993.1 | 992.6 | 993.1 | 993.4 | 993.8 |
| 152.5° | 1019.9 | 1019.7 | 1019.5 | 1019.0 | 1018.4 | 1017.9 | 1017.3 | 1016.7 | 1017.3 | 1017.9 | 1018.4 |
| 155° | 1055.2 | 1055.0 | 1054.8 | 1054.7 | 1054.7 | 1054.7 | 1054.7 | 1054.7 | 1054.7 | 1054.7 | 1054.7 |
| 157.5° | 1086.4 | 1086.2 | 1086.0 | 1086.1 | 1086.3 | 1086.6 | 1086.8 | 1087.0 | 1086.8 | 1086.6 | 1086.3 |
| 160° | 1105.5 | 1105.5 | 1105.5 | 1105.7 | 1106.2 | 1106.5 | 1106.9 | 1107.4 | 1106.9 | 1106.5 | 1106.2 |
| 162.5° | 1123.2 | 1123.0 | 1122.9 | 1123.1 | 1123.7 | 1124.3 | 1124.8 | 1125.5 | 1124.8 | 1124.3 | 1123.7 |
| 165° | 1145.9 | 1145.9 | 1145.9 | 1146.3 | 1146.9 | 1147.5 | 1148.1 | 1148.8 | 1148.1 | 1147.5 | 1146.9 |
| 167.5° | 1164.0 | 1163.9 | 1163.8 | 1164.0 | 1164.9 | 1165.7 | 1166.6 | 1167.4 | 1166.6 | 1165.7 | 1164.9 |
| 170° | 1174.2 | 1174.2 | 1174.2 | 1174.6 | 1175.4 | 1176.3 | 1177.1 | 1178.0 | 1177.1 | 1176.3 | 1175.4 |
| 172.5° | 1182.4 | 1182.4 | 1182.4 | 1182.9 | 1183.7 | 1184.6 | 1185.4 | 1186.2 | 1185.4 | 1184.6 | 1183.7 |
| 175° | 1191.1 | 1191.1 | 1191.1 | 1191.6 | 1192.4 | 1193.2 | 1194.0 | 1194.9 | 1194.0 | 1193.2 | 1192.4 |
| 177.5° | 1195.4 | 1195.4 | 1195.4 | 1195.8 | 1196.5 | 1197.1 | 1197.8 | 1198.4 | 1197.8 | 1197.1 | 1196.5 |
| 180° | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 |
| 2.5° | 828.9 | 825.1 | 822.6 | 816.7 | 813.0 | 809.0 | 804.9 | 807.5 | 807.2 | 806.9 | 806.9 |
| 5° | 801.1 | 792.8 | 785.2 | 775.4 | 769.3 | 761.8 | 755.9 | 755.3 | 756.7 | 751.6 | 748.8 |
| 7.5° | 773.5 | 762.1 | 751.4 | 740.6 | 729.2 | 720.1 | 714.4 | 711.8 | 708.1 | 705.0 | 701.7 |
| 10° | 754.1 | 740.8 | 730.3 | 717.0 | 704.7 | 693.9 | 687.0 | 682.3 | 679.8 | 677.2 | 672.6 |
| 12.5° | 734.2 | 721.1 | 707.8 | 692.7 | 681.0 | 668.5 | 663.4 | 658.1 | 653.2 | 650.4 | 643.9 |
| 15° | 705.0 | 688.1 | 674.0 | 658.1 | 645.2 | 632.8 | 625.7 | 615.2 | 613.7 | 610.1 | 603.6 |
| 17.5° | 675.8 | 657.4 | 638.0 | 626.2 | 611.5 | 598.8 | 587.8 | 584.3 | 573.9 | 570.0 | 564.4 |
| 20° | 652.7 | 635.7 | 620.9 | 605.4 | 584.1 | 572.2 | 563.5 | 558.8 | 550.5 | 545.4 | 541.9 |
| 22.5° | 632.8 | 615.5 | 598.4 | 580.3 | 562.7 | 549.4 | 543.0 | 535.7 | 531.2 | 524.1 | 520.2 |
| 25° | 604.4 | 585.6 | 565.0 | 545.4 | 532.8 | 522.7 | 512.6 | 506.1 | 499.6 | 496.3 | 489.2 |
| 27.5° | 571.3 | 551.7 | 532.4 | 517.6 | 502.1 | 492.1 | 483.0 | 477.2 | 469.4 | 463.9 | 460.0 |
| 30° | 553.1 | 530.0 | 513.4 | 500.0 | 480.1 | 470.8 | 463.9 | 456.7 | 450.9 | 445.2 | 441.1 |
| 32.5° | 532.0 | 510.9 | 495.1 | 478.6 | 463.4 | 453.2 | 444.2 | 437.9 | 433.0 | 427.5 | 423.6 |
| 35° | 498.9 | 481.3 | 465.0 | 448.4 | 437.2 | 426.7 | 416.2 | 410.9 | 406.1 | 401.1 | 397.5 |
| 37.5° | 469.0 | 452.5 | 437.1 | 421.3 | 407.5 | 398.9 | 390.5 | 386.3 | 380.0 | 376.6 | 373.0 |
| 40° | 450.5 | 434.3 | 417.7 | 402.6 | 388.0 | 381.6 | 374.0 | 367.9 | 362.1 | 359.6 | 355.6 |
| 42.5° | 430.4 | 414.1 | 400.1 | 383.7 | 371.9 | 363.1 | 356.1 | 349.4 | 345.1 | 341.4 | 339.1 |
| 45° | 400.4 | 385.9 | 372.2 | 356.0 | 344.8 | 337.1 | 329.2 | 323.1 | 319.1 | 316.6 | 312.6 |
| 47.5° | 371.3 | 356.8 | 342.9 | 328.8 | 317.9 | 309.2 | 301.3 | 297.0 | 291.8 | 288.7 | 286.0 |
| 50° | 350.2 | 337.1 | 322.3 | 309.3 | 298.6 | 289.9 | 283.4 | 278.0 | 273.2 | 269.3 | 267.5 |
| 52.5° | 330.8 | 317.0 | 304.2 | 292.1 | 280.7 | 270.8 | 264.9 | 259.2 | 255.7 | 251.1 | 249.0 |
| 55° | 298.9 | 285.6 | 274.8 | 262.8 | 251.7 | 243.4 | 236.1 | 231.0 | 227.4 | 222.3 | 219.5 |
| 57.5° | 268.9 | 256.9 | 244.0 | 233.8 | 222.2 | 215.2 | 209.2 | 202.3 | 197.9 | 194.0 | 191.1 |
| 60° | 248.7 | 235.0 | 223.9 | 214.1 | 204.0 | 194.9 | 189.5 | 184.1 | 179.5 | 175.4 | 173.0 |
| 62.5° | 227.6 | 215.7 | 205.1 | 194.4 | 185.2 | 177.3 | 171.1 | 166.5 | 162.4 | 159.9 | 157.3 |
| 65° | 195.3 | 186.0 | 175.1 | 166.5 | 157.8 | 152.0 | 146.9 | 143.0 | 140.1 | 138.3 | 136.1 |
| 67.5° | 165.6 | 156.5 | 147.0 | 138.5 | 132.7 | 128.3 | 125.0 | 121.6 | 120.2 | 117.8 | 116.4 |
| 70° | 146.2 | 136.9 | 128.6 | 122.1 | 116.2 | 113.0 | 110.8 | 108.3 | 106.9 | 104.0 | 102.5 |
| 72.5° | 125.2 | 118.4 | 112.4 | 107.0 | 102.4 | 99.4 | 96.7 | 93.6 | 91.2 | 88.1 | 86.6 |
| 75° | 98.6 | 92.5 | 87.8 | 84.1 | 81.2 | 77.3 | 73.3 | 70.0 | 69.0 | 67.9 | 67.5 |
| 77.5° | 73.0 | 69.1 | 65.7 | 62.7 | 59.1 | 56.2 | 55.3 | 54.6 | 54.4 | 53.8 | 53.8 |
| 80° | 57.4 | 53.8 | 51.3 | 47.7 | 45.5 | 45.5 | 45.5 | 44.8 | 45.1 | 45.1 | 45.1 |
| 82.5° | 42.7 | 39.3 | 38.0 | 36.7 | 36.3 | 36.6 | 36.6 | 36.7 | 36.5 | 37.0 | 36.8 |
| 85° | 22.1 | 22.3 | 23.1 | 22.7 | 23.1 | 23.1 | 23.8 | 23.5 | 23.8 | 23.1 | 23.8 |
| 87.5° | 10.0 | 11.3 | 12.2 | 12.9 | 13.8 | 14.0 | 14.5 | 14.7 | 15.1 | 15.3 | 15.5 |
| 90° | 9.3 | 11.7 | 14.4 | 17.2 | 19.9 | 22.6 | 23.4 | 24.2 | 25.1 | 25.9 | 26.6 |
| 92.5° | 28.5 | 30.0 | 31.5 | 33.0 | 34.6 | 36.1 | 36.8 | 37.5 | 38.2 | 38.8 | 39.0 |
| 95° | 61.4 | 63.0 | 64.6 | 66.3 | 68.0 | 69.7 | 70.5 | 71.3 | 72.1 | 73.0 | 73.4 |
| 97.5° | 102.9 | 104.1 | 105.3 | 106.5 | 107.7 | 109.0 | 109.9 | 110.8 | 111.9 | 112.8 | 113.2 |
| 100° | 133.0 | 134.1 | 135.2 | 136.2 | 137.2 | 138.3 | 138.9 | 139.6 | 140.2 | 140.8 | 141.4 |
| 102.5° | 164.9 | 165.9 | 167.3 | 168.6 | 170.0 | 171.4 | 172.0 | 172.7 | 173.3 | 173.9 | 174.2 |
| 105° | 213.4 | 214.5 | 216.4 | 218.3 | 220.2 | 222.1 | 222.1 | 222.1 | 222.1 | 222.1 | 222.3 |
| 107.5° | 270.7 | 271.2 | 271.9 | 272.7 | 273.4 | 274.2 | 274.8 | 275.5 | 276.2 | 276.8 | 277.0 |
| 110° | 307.5 | 307.8 | 308.3 | 308.7 | 309.2 | 309.5 | 310.4 | 311.2 | 312.1 | 312.9 | 313.1 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 344.4 | 344.6 | 344.7 | 344.8 | 344.9 | 344.9 | 345.9 | 346.9 | 347.9 | 348.9 | 349.4 |
| 115° | 402.4 | 402.5 | 402.1 | 401.6 | 401.2 | 400.8 | 401.1 | 401.2 | 401.4 | 401.6 | 401.6 |
| 117.5° | 458.4 | 458.3 | 457.8 | 457.2 | 456.7 | 456.1 | 456.1 | 456.0 | 456.0 | 456.0 | 455.6 |
| 120° | 497.1 | 497.2 | 496.2 | 495.1 | 494.1 | 493.0 | 492.8 | 492.6 | 492.4 | 492.2 | 491.8 |
| 122.5° | 532.6 | 532.8 | 532.3 | 531.7 | 531.2 | 530.7 | 530.1 | 529.5 | 529.0 | 528.5 | 527.9 |
| 125° | 587.7 | 587.9 | 587.4 | 587.0 | 586.5 | 586.2 | 585.3 | 584.5 | 583.6 | 582.8 | 581.9 |
| 127.5° | 642.5 | 642.9 | 642.4 | 642.1 | 641.6 | 641.1 | 639.9 | 638.8 | 637.6 | 636.4 | 635.4 |
| 130° | 678.4 | 679.0 | 678.3 | 677.7 | 677.1 | 676.5 | 675.6 | 674.8 | 673.9 | 673.2 | 671.9 |
| 132.5° | 713.1 | 713.7 | 713.2 | 712.8 | 712.3 | 711.8 | 710.9 | 709.8 | 708.9 | 707.8 | 706.8 |
| 135° | 764.3 | 764.8 | 764.6 | 764.4 | 764.2 | 763.9 | 763.2 | 762.3 | 761.5 | 760.6 | 760.0 |
| 137.5° | 812.4 | 813.1 | 813.7 | 814.3 | 814.8 | 815.3 | 814.5 | 813.6 | 812.8 | 811.8 | 811.0 |
| 140° | 846.2 | 846.9 | 847.1 | 847.3 | 847.5 | 847.7 | 847.5 | 847.3 | 847.1 | 846.9 | 846.0 |
| 142.5° | 877.1 | 877.8 | 878.2 | 878.5 | 878.9 | 879.3 | 879.1 | 878.9 | 878.7 | 878.4 | 877.8 |
| 145° | 922.7 | 923.3 | 923.9 | 924.5 | 925.2 | 925.8 | 925.6 | 925.4 | 925.2 | 924.9 | 924.4 |
| 147.5° | 966.3 | 967.0 | 967.5 | 968.1 | 968.7 | 969.3 | 969.3 | 969.3 | 969.3 | 969.3 | 968.7 |
| 150° | 994.3 | 994.7 | 995.1 | 995.5 | 996.0 | 996.4 | 996.4 | 996.4 | 996.4 | 996.4 | 995.7 |
| 152.5° | 1019.0 | 1019.5 | 1019.7 | 1019.9 | 1020.2 | 1020.5 | 1020.8 | 1021.2 | 1021.4 | 1021.8 | 1021.4 |
| 155° | 1054.7 | 1054.8 | 1055.0 | 1055.2 | 1055.5 | 1055.6 | 1056.5 | 1057.3 | 1058.2 | 1058.9 | 1058.7 |
| 157.5° | 1086.1 | 1086.0 | 1086.2 | 1086.4 | 1086.6 | 1086.7 | 1087.6 | 1088.4 | 1089.3 | 1090.2 | 1090.1 |
| 160° | 1105.7 | 1105.5 | 1105.5 | 1105.5 | 1105.5 | 1105.5 | 1106.5 | 1107.6 | 1108.6 | 1109.7 | 1109.7 |
| 162.5° | 1123.1 | 1122.9 | 1123.0 | 1123.2 | 1123.4 | 1123.6 | 1124.6 | 1125.7 | 1126.7 | 1127.8 | 1127.6 |
| 165° | 1146.3 | 1145.9 | 1145.9 | 1145.9 | 1145.9 | 1145.9 | 1147.2 | 1148.5 | 1149.7 | 1150.9 | 1150.8 |
| 167.5° | 1164.0 | 1163.8 | 1163.9 | 1164.0 | 1164.2 | 1164.4 | 1165.7 | 1167.0 | 1168.3 | 1169.6 | 1169.6 |
| 170° | 1174.6 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1175.6 | 1177.1 | 1178.6 | 1180.1 | 1180.1 |
| 172.5° | 1182.9 | 1182.4 | 1182.4 | 1182.4 | 1182.4 | 1182.4 | 1183.7 | 1185.1 | 1186.4 | 1187.6 | 1187.6 |
| 175° | 1191.6 | 1191.1 | 1191.1 | 1191.1 | 1191.1 | 1191.1 | 1192.4 | 1193.6 | 1194.9 | 1196.2 | 1196.0 |
| 177.5° | 1195.8 | 1195.4 | 1195.4 | 1195.4 | 1195.4 | 1195.4 | 1196.5 | 1197.5 | 1198.4 | 1199.5 | 1199.4 |
| 180° | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 |
| 2.5° | 803.4 | 803.1 | 803.4 | 802.3 | 803.4 | 803.1 | 803.4 | 806.9 | 806.9 | 807.2 | 807.5 |
| 5° | 747.6 | 747.2 | 746.2 | 743.0 | 746.2 | 747.2 | 747.6 | 748.8 | 751.6 | 756.7 | 755.3 |
| 7.5° | 698.9 | 698.4 | 695.2 | 695.3 | 695.2 | 698.4 | 698.9 | 701.7 | 705.0 | 708.1 | 711.8 |
| 10° | 670.1 | 670.4 | 666.1 | 663.5 | 666.1 | 670.4 | 670.1 | 672.6 | 677.2 | 679.8 | 682.3 |
| 12.5° | 642.1 | 640.4 | 636.9 | 634.0 | 636.9 | 640.4 | 642.1 | 643.9 | 650.4 | 653.2 | 658.1 |
| 15° | 605.0 | 601.4 | 592.8 | 593.5 | 592.8 | 601.4 | 605.0 | 603.6 | 610.1 | 613.7 | 615.2 |
| 17.5° | 561.5 | 558.8 | 558.7 | 553.6 | 558.7 | 558.8 | 561.5 | 564.4 | 570.0 | 573.9 | 584.3 |
| 20° | 536.1 | 534.3 | 535.0 | 530.0 | 535.0 | 534.3 | 536.1 | 541.9 | 545.4 | 550.5 | 558.8 |
| 22.5° | 516.1 | 514.3 | 511.3 | 509.7 | 511.3 | 514.3 | 516.1 | 520.2 | 524.1 | 531.2 | 535.7 |
| 25° | 487.0 | 484.1 | 481.3 | 483.1 | 481.3 | 484.1 | 487.0 | 489.2 | 496.3 | 499.6 | 506.1 |
| 27.5° | 457.8 | 455.6 | 452.8 | 452.4 | 452.8 | 455.6 | 457.8 | 460.0 | 463.9 | 469.4 | 477.2 |
| 30° | 439.3 | 437.2 | 435.7 | 433.9 | 435.7 | 437.2 | 439.3 | 441.1 | 445.2 | 450.9 | 456.7 |
| 32.5° | 420.6 | 420.2 | 417.5 | 417.2 | 417.5 | 420.2 | 420.6 | 423.6 | 427.5 | 433.0 | 437.9 |
| 35° | 396.1 | 393.9 | 393.1 | 393.5 | 393.1 | 393.9 | 396.1 | 397.5 | 401.1 | 406.1 | 410.9 |
| 37.5° | 372.7 | 369.9 | 368.5 | 367.2 | 368.5 | 369.9 | 372.7 | 373.0 | 376.6 | 380.0 | 386.3 |
| 40° | 356.0 | 353.1 | 352.3 | 351.7 | 352.3 | 353.1 | 356.0 | 355.6 | 359.6 | 362.1 | 367.9 |
| 42.5° | 337.1 | 336.0 | 335.6 | 334.3 | 335.6 | 336.0 | 337.1 | 339.1 | 341.4 | 345.1 | 349.4 |
| 45° | 311.5 | 311.2 | 309.1 | 309.7 | 309.1 | 311.2 | 311.5 | 312.6 | 316.6 | 319.1 | 323.1 |
| 47.5° | 284.6 | 283.0 | 281.4 | 282.5 | 281.4 | 283.0 | 284.6 | 286.0 | 288.7 | 291.8 | 297.0 |
| 50° | 266.1 | 265.3 | 262.1 | 262.8 | 262.1 | 265.3 | 266.1 | 267.5 | 269.3 | 273.2 | 278.0 |
| 52.5° | 247.6 | 244.9 | 243.6 | 243.2 | 243.6 | 244.9 | 247.6 | 249.0 | 251.1 | 255.7 | 259.2 |
| 55° | 217.0 | 213.7 | 212.3 | 211.5 | 212.3 | 213.7 | 217.0 | 219.5 | 222.3 | 227.4 | 231.0 |
| 57.5° | 186.9 | 186.1 | 184.9 | 185.7 | 184.9 | 186.1 | 186.9 | 191.1 | 194.0 | 197.9 | 202.3 |
| 60° | 169.3 | 169.3 | 169.3 | 169.0 | 169.3 | 169.3 | 169.3 | 173.0 | 175.4 | 179.5 | 184.1 |
| 62.5° | 155.7 | 154.9 | 154.6 | 155.0 | 154.6 | 154.9 | 155.7 | 157.3 | 159.9 | 162.4 | 166.5 |
| 65° | 135.0 | 134.7 | 133.2 | 132.9 | 133.2 | 134.7 | 135.0 | 136.1 | 138.3 | 140.1 | 143.0 |
| 67.5° | 115.5 | 114.1 | 113.8 | 113.2 | 113.8 | 114.1 | 115.5 | 116.4 | 117.8 | 120.2 | 121.6 |
| 70° | 100.8 | 100.0 | 97.8 | 98.2 | 97.8 | 100.0 | 100.8 | 102.5 | 104.0 | 106.9 | 108.3 |
| 72.5° | 84.8 | 84.1 | 83.7 | 83.1 | 83.7 | 84.1 | 84.8 | 86.6 | 88.1 | 91.2 | 93.6 |
| 75° | 67.1 | 66.8 | 66.4 | 67.9 | 66.4 | 66.8 | 67.1 | 67.5 | 67.9 | 69.0 | 70.0 |
| 77.5° | 53.8 | 53.8 | 54.0 | 53.4 | 54.0 | 53.8 | 53.8 | 53.8 | 53.8 | 54.4 | 54.6 |
| 80° | 45.1 | 45.1 | 44.8 | 44.8 | 44.8 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 44.8 |
| 82.5° | 36.2 | 36.5 | 36.7 | 36.1 | 36.7 | 36.5 | 36.2 | 36.8 | 37.0 | 36.5 | 36.7 |
| 85° | 23.8 | 23.5 | 24.2 | 23.8 | 24.2 | 23.5 | 23.8 | 23.8 | 23.1 | 23.8 | 23.5 |
| 87.5° | 16.1 | 15.6 | 15.6 | 16.0 | 15.6 | 15.6 | 16.1 | 15.5 | 15.3 | 15.1 | 14.7 |
| 90° | 27.0 | 27.4 | 27.8 | 28.2 | 27.8 | 27.4 | 27.0 | 26.6 | 25.9 | 25.1 | 24.2 |
| 92.5° | 38.7 | 38.5 | 38.3 | 38.0 | 38.3 | 38.5 | 38.7 | 39.0 | 38.8 | 38.2 | 37.5 |
| 95° | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.0 | 72.1 | 71.3 |
| 97.5° | 113.2 | 113.1 | 113.0 | 112.9 | 113.0 | 113.1 | 113.2 | 113.2 | 112.8 | 111.9 | 110.8 |
| 100° | 141.8 | 142.1 | 142.6 | 143.0 | 142.6 | 142.1 | 141.8 | 141.4 | 140.8 | 140.2 | 139.6 |
| 102.5° | 174.1 | 174.0 | 174.0 | 173.9 | 174.0 | 174.0 | 174.1 | 174.2 | 173.9 | 173.3 | 172.7 |
| 105° | 222.6 | 223.1 | 223.5 | 223.9 | 223.5 | 223.1 | 222.6 | 222.3 | 222.1 | 222.1 | 222.1 |
| 107.5° | 276.8 | 276.5 | 276.3 | 276.1 | 276.3 | 276.5 | 276.8 | 277.0 | 276.8 | 276.2 | 275.5 |
| 110° | 312.6 | 312.3 | 311.9 | 311.4 | 311.9 | 312.3 | 312.6 | 313.1 | 312.9 | 312.1 | 311.2 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 349.3 | 349.2 | 349.1 | 349.0 | 349.1 | 349.2 | 349.3 | 349.4 | 348.9 | 347.9 | 346.9 |
| 115° | 401.4 | 401.2 | 401.1 | 400.8 | 401.1 | 401.2 | 401.4 | 401.6 | 401.6 | 401.4 | 401.2 |
| 117.5° | 455.1 | 454.5 | 453.9 | 453.3 | 453.9 | 454.5 | 455.1 | 455.6 | 456.0 | 456.0 | 456.0 |
| 120° | 491.4 | 491.1 | 490.6 | 490.2 | 490.6 | 491.1 | 491.4 | 491.8 | 492.2 | 492.4 | 492.6 |
| 122.5° | 527.4 | 526.7 | 526.1 | 525.6 | 526.1 | 526.7 | 527.4 | 527.9 | 528.5 | 529.0 | 529.5 |
| 125° | 581.2 | 580.3 | 579.5 | 578.6 | 579.5 | 580.3 | 581.2 | 581.9 | 582.8 | 583.6 | 584.5 |
| 127.5° | 634.4 | 633.4 | 632.4 | 631.5 | 632.4 | 633.4 | 634.4 | 635.4 | 636.4 | 637.6 | 638.8 |
| 130° | 670.5 | 669.0 | 667.6 | 666.1 | 667.6 | 669.0 | 670.5 | 671.9 | 673.2 | 673.9 | 674.8 |
| 132.5° | 705.7 | 704.6 | 703.4 | 702.3 | 703.4 | 704.6 | 705.7 | 706.8 | 707.8 | 708.9 | 709.8 |
| 135° | 759.6 | 759.1 | 758.7 | 758.4 | 758.7 | 759.1 | 759.6 | 760.0 | 760.6 | 761.5 | 762.3 |
| 137.5° | 810.2 | 809.4 | 808.6 | 807.9 | 808.6 | 809.4 | 810.2 | 811.0 | 811.8 | 812.8 | 813.6 |
| 140° | 844.6 | 843.1 | 841.7 | 840.2 | 841.7 | 843.1 | 844.6 | 846.0 | 846.9 | 847.1 | 847.3 |
| 142.5° | 876.7 | 875.5 | 874.4 | 873.3 | 874.4 | 875.5 | 876.7 | 877.8 | 878.4 | 878.7 | 878.9 |
| 145° | 923.6 | 922.7 | 921.9 | 921.1 | 921.9 | 922.7 | 923.6 | 924.4 | 924.9 | 925.2 | 925.4 |
| 147.5° | 967.4 | 966.1 | 964.9 | 963.7 | 964.9 | 966.1 | 967.4 | 968.7 | 969.3 | 969.3 | 969.3 |
| 150° | 994.5 | 993.3 | 991.9 | 990.7 | 991.9 | 993.3 | 994.5 | 995.7 | 996.4 | 996.4 | 996.4 |
| 152.5° | 1020.3 | 1019.3 | 1018.1 | 1017.1 | 1018.1 | 1019.3 | 1020.3 | 1021.4 | 1021.8 | 1021.4 | 1021.2 |
| 155° | 1057.2 | 1055.7 | 1054.2 | 1052.8 | 1054.2 | 1055.7 | 1057.2 | 1058.7 | 1058.9 | 1058.2 | 1057.3 |
| 157.5° | 1088.9 | 1087.7 | 1086.6 | 1085.3 | 1086.6 | 1087.7 | 1088.9 | 1090.1 | 1090.2 | 1089.3 | 1088.4 |
| 160° | 1109.0 | 1108.1 | 1107.3 | 1106.5 | 1107.3 | 1108.1 | 1109.0 | 1109.7 | 1109.7 | 1108.6 | 1107.6 |
| 162.5° | 1126.2 | 1124.9 | 1123.6 | 1122.3 | 1123.6 | 1124.9 | 1126.2 | 1127.6 | 1127.8 | 1126.7 | 1125.7 |
| 165° | 1149.4 | 1147.9 | 1146.5 | 1145.0 | 1146.5 | 1147.9 | 1149.4 | 1150.8 | 1150.9 | 1149.7 | 1148.5 |
| 167.5° | 1168.3 | 1167.0 | 1165.7 | 1164.4 | 1165.7 | 1167.0 | 1168.3 | 1169.6 | 1169.6 | 1168.3 | 1167.0 |
| 170° | 1178.6 | 1177.1 | 1175.6 | 1174.2 | 1175.6 | 1177.1 | 1178.6 | 1180.1 | 1180.1 | 1178.6 | 1177.1 |
| 172.5° | 1186.1 | 1184.7 | 1183.2 | 1181.7 | 1183.2 | 1184.7 | 1186.1 | 1187.6 | 1187.6 | 1186.4 | 1185.1 |
| 175° | 1194.6 | 1193.1 | 1191.7 | 1190.1 | 1191.7 | 1193.1 | 1194.6 | 1196.0 | 1196.2 | 1194.9 | 1193.6 |
| 177.5° | 1198.3 | 1197.0 | 1195.9 | 1194.7 | 1195.9 | 1197.0 | 1198.3 | 1199.4 | 1199.5 | 1198.4 | 1197.5 |
| 180° | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 |
| 2.5° | 804.9 | 809.0 | 813.0 | 816.7 | 822.6 | 825.1 | 828.9 | 830.3 | 834.6 | 841.0 | 846.2 |
| 5° | 755.9 | 761.8 | 769.3 | 775.4 | 785.2 | 792.8 | 801.1 | 809.0 | 818.4 | 831.8 | 843.7 |
| 7.5° | 714.4 | 720.1 | 729.2 | 740.6 | 751.4 | 762.1 | 773.5 | 784.3 | 797.8 | 816.9 | 835.8 |
| 10° | 687.0 | 693.9 | 704.7 | 717.0 | 730.3 | 740.8 | 754.1 | 767.9 | 784.5 | 806.5 | 829.2 |
| 12.5° | 663.4 | 668.5 | 681.0 | 692.7 | 707.8 | 721.1 | 734.2 | 750.3 | 769.2 | 792.7 | 820.0 |
| 15° | 625.7 | 632.8 | 645.2 | 658.1 | 674.0 | 688.1 | 705.0 | 724.5 | 743.0 | 771.8 | 805.0 |
| 17.5° | 587.8 | 598.8 | 611.5 | 626.2 | 638.0 | 657.4 | 675.8 | 695.8 | 718.5 | 749.1 | 785.5 |
| 20° | 563.5 | 572.2 | 584.1 | 605.4 | 620.9 | 635.7 | 652.7 | 677.6 | 698.5 | 733.2 | 771.1 |
| 22.5° | 543.0 | 549.4 | 562.7 | 580.3 | 598.4 | 615.5 | 632.8 | 656.6 | 682.4 | 715.3 | 756.4 |
| 25° | 512.6 | 522.7 | 532.8 | 545.4 | 565.0 | 585.6 | 604.4 | 624.5 | 652.0 | 687.0 | 731.4 |
| 27.5° | 483.0 | 492.1 | 502.1 | 517.6 | 532.4 | 551.7 | 571.3 | 594.5 | 623.9 | 660.9 | 706.0 |
| 30° | 463.9 | 470.8 | 480.1 | 500.0 | 513.4 | 530.0 | 553.1 | 573.6 | 601.1 | 640.5 | 688.1 |
| 32.5° | 444.2 | 453.2 | 463.4 | 478.6 | 495.1 | 510.9 | 532.0 | 554.3 | 582.3 | 621.0 | 669.9 |
| 35° | 416.2 | 426.7 | 437.2 | 448.4 | 465.0 | 481.3 | 498.9 | 523.5 | 552.0 | 589.6 | 637.5 |
| 37.5° | 390.5 | 398.9 | 407.5 | 421.3 | 437.1 | 452.5 | 469.0 | 493.2 | 520.1 | 560.6 | 604.6 |
| 40° | 374.0 | 381.6 | 388.0 | 402.6 | 417.7 | 434.3 | 450.5 | 471.8 | 500.7 | 538.7 | 581.3 |
| 42.5° | 356.1 | 363.1 | 371.9 | 383.7 | 400.1 | 414.1 | 430.4 | 450.4 | 477.6 | 516.1 | 553.5 |
| 45° | 329.2 | 337.1 | 344.8 | 356.0 | 372.2 | 385.9 | 400.4 | 419.5 | 447.3 | 479.1 | 512.3 |
| 47.5° | 301.3 | 309.2 | 317.9 | 328.8 | 342.9 | 356.8 | 371.3 | 388.2 | 413.6 | 444.8 | 467.1 |
| 50° | 283.4 | 289.9 | 298.6 | 309.3 | 322.3 | 337.1 | 350.2 | 368.6 | 392.8 | 417.4 | 436.9 |
| 52.5° | 264.9 | 270.8 | 280.7 | 292.1 | 304.2 | 317.0 | 330.8 | 346.7 | 368.5 | 391.6 | 407.1 |
| 55° | 236.1 | 243.4 | 251.7 | 262.8 | 274.8 | 285.6 | 298.9 | 315.2 | 332.5 | 349.8 | 360.3 |
| 57.5° | 209.2 | 215.2 | 222.2 | 233.8 | 244.0 | 256.9 | 268.9 | 281.6 | 297.7 | 310.7 | 317.5 |
| 60° | 189.5 | 194.9 | 204.0 | 214.1 | 223.9 | 235.0 | 248.7 | 261.4 | 273.6 | 284.1 | 289.5 |
| 62.5° | 171.1 | 177.3 | 185.2 | 194.4 | 205.1 | 215.7 | 227.6 | 238.3 | 249.1 | 258.2 | 261.8 |
| 65° | 146.9 | 152.0 | 157.8 | 166.5 | 175.1 | 186.0 | 195.3 | 206.1 | 214.1 | 219.1 | 222.3 |
| 67.5° | 125.0 | 128.3 | 132.7 | 138.5 | 147.0 | 156.5 | 165.6 | 174.0 | 180.7 | 184.1 | 187.0 |
| 70° | 110.8 | 113.0 | 116.2 | 122.1 | 128.6 | 136.9 | 146.2 | 152.3 | 158.2 | 161.0 | 163.9 |
| 72.5° | 96.7 | 99.4 | 102.4 | 107.0 | 112.4 | 118.4 | 125.2 | 132.7 | 135.9 | 139.3 | 141.1 |
| 75° | 73.3 | 77.3 | 81.2 | 84.1 | 87.8 | 92.5 | 98.6 | 103.2 | 105.1 | 107.9 | 108.3 |
| 77.5° | 55.3 | 56.2 | 59.1 | 62.7 | 65.7 | 69.1 | 73.0 | 77.2 | 78.0 | 79.6 | 80.5 |
| 80° | 45.5 | 45.5 | 45.5 | 47.7 | 51.3 | 53.8 | 57.4 | 59.6 | 61.0 | 61.4 | 61.7 |
| 82.5° | 36.6 | 36.6 | 36.3 | 36.7 | 38.0 | 39.3 | 42.7 | 45.1 | 46.3 | 46.1 | 45.2 |
| 85° | 23.8 | 23.1 | 23.1 | 22.7 | 23.1 | 22.3 | 22.1 | 23.5 | 25.6 | 25.6 | 24.9 |
| 87.5° | 14.5 | 14.0 | 13.8 | 12.9 | 12.2 | 11.3 | 10.0 | 9.8 | 9.4 | 10.2 | 9.4 |
| 90° | 23.4 | 22.6 | 19.9 | 17.2 | 14.4 | 11.7 | 9.3 | 7.3 | 5.1 | 3.0 | 0.9 |
| 92.5° | 36.8 | 36.1 | 34.6 | 33.0 | 31.5 | 30.0 | 28.5 | 27.1 | 25.6 | 24.2 | 22.8 |
| 95° | 70.5 | 69.7 | 68.0 | 66.3 | 64.6 | 63.0 | 61.4 | 59.9 | 58.4 | 56.9 | 55.5 |
| 97.5° | 109.9 | 109.0 | 107.7 | 106.5 | 105.3 | 104.1 | 102.9 | 101.9 | 100.8 | 99.7 | 98.6 |
| 100° | 138.9 | 138.3 | 137.2 | 136.2 | 135.2 | 134.1 | 133.0 | 131.7 | 130.4 | 129.2 | 128.0 |
| 102.5° | 172.0 | 171.4 | 170.0 | 168.6 | 167.3 | 165.9 | 164.9 | 164.1 | 163.3 | 162.6 | 161.8 |
| 105° | 222.1 | 222.1 | 220.2 | 218.3 | 216.4 | 214.5 | 213.4 | 212.9 | 212.5 | 212.1 | 211.7 |
| 107.5° | 274.8 | 274.2 | 273.4 | 272.7 | 271.9 | 271.2 | 270.7 | 270.4 | 270.1 | 269.9 | 269.7 |
| 110° | 310.4 | 309.5 | 309.2 | 308.7 | 308.3 | 307.8 | 307.5 | 307.0 | 306.6 | 306.2 | 305.8 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 345.9 | 344.9 | 344.9 | 344.8 | 344.7 | 344.6 | 344.4 | 344.1 | 343.9 | 343.7 | 343.4 |
| 115° | 401.1 | 400.8 | 401.2 | 401.6 | 402.1 | 402.5 | 402.4 | 401.7 | 401.1 | 400.5 | 399.8 |
| 117.5° | 456.1 | 456.1 | 456.7 | 457.2 | 457.8 | 458.3 | 458.4 | 458.0 | 457.5 | 457.1 | 456.7 |
| 120° | 492.8 | 493.0 | 494.1 | 495.1 | 496.2 | 497.2 | 497.1 | 495.9 | 494.6 | 493.3 | 492.1 |
| 122.5° | 530.1 | 530.7 | 531.2 | 531.7 | 532.3 | 532.8 | 532.6 | 531.7 | 530.7 | 529.9 | 529.0 |
| 125° | 585.3 | 586.2 | 586.5 | 587.0 | 587.4 | 587.9 | 587.7 | 587.1 | 586.4 | 585.9 | 585.2 |
| 127.5° | 639.9 | 641.1 | 641.6 | 642.1 | 642.4 | 642.9 | 642.5 | 641.1 | 639.8 | 638.5 | 637.2 |
| 130° | 675.6 | 676.5 | 677.1 | 677.7 | 678.3 | 679.0 | 678.4 | 676.7 | 675.1 | 673.4 | 671.8 |
| 132.5° | 710.9 | 711.8 | 712.3 | 712.8 | 713.2 | 713.7 | 713.1 | 711.4 | 709.7 | 708.0 | 706.4 |
| 135° | 763.2 | 763.9 | 764.2 | 764.4 | 764.6 | 764.8 | 764.3 | 763.0 | 761.8 | 760.5 | 759.3 |
| 137.5° | 814.5 | 815.3 | 814.8 | 814.3 | 813.7 | 813.1 | 812.4 | 811.3 | 810.3 | 809.3 | 808.2 |
| 140° | 847.5 | 847.7 | 847.5 | 847.3 | 847.1 | 846.9 | 846.2 | 845.2 | 844.1 | 843.1 | 842.1 |
| 142.5° | 879.1 | 879.3 | 878.9 | 878.5 | 878.2 | 877.8 | 877.1 | 876.1 | 875.1 | 873.9 | 872.9 |
| 145° | 925.6 | 925.8 | 925.2 | 924.5 | 923.9 | 923.3 | 922.7 | 922.4 | 921.9 | 921.5 | 921.1 |
| 147.5° | 969.3 | 969.3 | 968.7 | 968.1 | 967.5 | 967.0 | 966.3 | 965.5 | 964.8 | 964.0 | 963.3 |
| 150° | 996.4 | 996.4 | 996.0 | 995.5 | 995.1 | 994.7 | 994.3 | 993.8 | 993.4 | 993.1 | 992.6 |
| 152.5° | 1020.8 | 1020.5 | 1020.2 | 1019.9 | 1019.7 | 1019.5 | 1019.0 | 1018.4 | 1017.9 | 1017.3 | 1016.7 |
| 155° | 1056.5 | 1055.6 | 1055.5 | 1055.2 | 1055.0 | 1054.8 | 1054.7 | 1054.7 | 1054.7 | 1054.7 | 1054.7 |
| 157.5° | 1087.6 | 1086.7 | 1086.6 | 1086.4 | 1086.2 | 1086.0 | 1086.1 | 1086.3 | 1086.6 | 1086.8 | 1087.0 |
| 160° | 1106.5 | 1105.5 | 1105.5 | 1105.5 | 1105.5 | 1105.5 | 1105.7 | 1106.2 | 1106.5 | 1106.9 | 1107.4 |
| 162.5° | 1124.6 | 1123.6 | 1123.4 | 1123.2 | 1123.0 | 1122.9 | 1123.1 | 1123.7 | 1124.3 | 1124.8 | 1125.5 |
| 165° | 1147.2 | 1145.9 | 1145.9 | 1145.9 | 1145.9 | 1145.9 | 1146.3 | 1146.9 | 1147.5 | 1148.1 | 1148.8 |
| 167.5° | 1165.7 | 1164.4 | 1164.2 | 1164.0 | 1163.9 | 1163.8 | 1164.0 | 1164.9 | 1165.7 | 1166.6 | 1167.4 |
| 170° | 1175.6 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.6 | 1175.4 | 1176.3 | 1177.1 | 1178.0 |
| 172.5° | 1183.7 | 1182.4 | 1182.4 | 1182.4 | 1182.4 | 1182.4 | 1182.9 | 1183.7 | 1184.6 | 1185.4 | 1186.2 |
| 175° | 1192.4 | 1191.1 | 1191.1 | 1191.1 | 1191.1 | 1191.1 | 1191.6 | 1192.4 | 1193.2 | 1194.0 | 1194.9 |
| 177.5° | 1196.5 | 1195.4 | 1195.4 | 1195.4 | 1195.4 | 1195.4 | 1195.8 | 1196.5 | 1197.1 | 1197.8 | 1198.4 |
| 180° | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 |
| 2.5° | 847.9 | 851.1 | 855.2 | 861.2 | 865.8 | 869.9 | 870.7 | 871.9 | 874.8 | 879.7 | 883.4 |
| 5° | 853.5 | 861.8 | 875.1 | 888.1 | 902.2 | 913.7 | 924.5 | 932.2 | 939.3 | 954.5 | 966.8 |
| 7.5° | 851.7 | 870.2 | 891.1 | 914.5 | 938.0 | 960.9 | 982.1 | 1001.2 | 1020.1 | 1042.2 | 1067.3 |
| 10° | 850.6 | 872.2 | 900.3 | 930.3 | 963.2 | 995.3 | 1026.3 | 1050.6 | 1078.7 | 1104.0 | 1136.1 |
| 12.5° | 845.1 | 876.3 | 909.9 | 948.2 | 988.6 | 1025.7 | 1066.5 | 1099.9 | 1132.1 | 1168.7 | 1206.0 |
| 15° | 837.9 | 875.8 | 918.4 | 969.3 | 1030.7 | 1075.4 | 1117.3 | 1175.4 | 1215.1 | 1254.9 | 1308.3 |
| 17.5° | 824.8 | 871.1 | 924.4 | 990.4 | 1041.7 | 1101.8 | 1164.8 | 1210.8 | 1264.2 | 1320.2 | 1368.6 |
| 20° | 814.5 | 868.3 | 927.8 | 992.8 | 1058.1 | 1123.5 | 1184.5 | 1239.3 | 1294.6 | 1359.2 | 1398.9 |
| 22.5° | 804.1 | 857.2 | 919.2 | 988.2 | 1058.4 | 1127.2 | 1196.3 | 1260.7 | 1322.9 | 1388.1 | 1438.8 |
| 25° | 781.9 | 845.1 | 912.3 | 982.7 | 1052.0 | 1127.8 | 1210.1 | 1282.0 | 1358.9 | 1426.0 | 1474.0 |
| 27.5° | 759.6 | 817.5 | 884.3 | 955.7 | 1032.7 | 1122.4 | 1219.2 | 1300.9 | 1377.9 | 1426.0 | 1441.1 |
| 30° | 739.3 | 800.7 | 862.0 | 934.6 | 1018.0 | 1118.0 | 1221.0 | 1314.5 | 1377.6 | 1398.5 | 1383.0 |
| 32.5° | 718.9 | 774.5 | 835.3 | 909.6 | 998.2 | 1107.4 | 1223.2 | 1306.4 | 1344.4 | 1328.4 | 1265.2 |
| 35° | 682.7 | 732.8 | 791.7 | 866.1 | 967.9 | 1101.5 | 1213.7 | 1270.1 | 1260.7 | 1170.4 | 1051.2 |
| 37.5° | 643.9 | 684.9 | 739.3 | 817.1 | 936.5 | 1078.0 | 1172.7 | 1181.0 | 1099.8 | 961.2 | 823.6 |
| 40° | 613.3 | 650.2 | 706.2 | 787.4 | 912.3 | 1054.9 | 1131.4 | 1097.9 | 971.9 | 817.7 | 702.9 |
| 42.5° | 583.6 | 614.6 | 668.5 | 756.2 | 889.2 | 1023.4 | 1069.9 | 996.7 | 851.4 | 705.6 | 601.2 |
| 45° | 533.2 | 562.4 | 616.6 | 706.5 | 841.9 | 963.2 | 957.1 | 830.0 | 684.5 | 567.1 | 480.5 |
| 47.5° | 485.4 | 511.0 | 561.8 | 653.6 | 786.4 | 872.9 | 815.5 | 680.3 | 556.9 | 462.8 | 401.0 |
| 50° | 451.7 | 476.9 | 527.4 | 618.0 | 741.9 | 805.0 | 723.1 | 592.8 | 479.8 | 401.8 | 352.7 |
| 52.5° | 419.2 | 443.9 | 490.2 | 578.4 | 688.2 | 725.9 | 637.9 | 517.1 | 422.9 | 355.6 | 313.4 |
| 55° | 374.0 | 392.8 | 434.3 | 518.8 | 600.7 | 609.4 | 520.2 | 419.1 | 341.5 | 294.5 | 265.7 |
| 57.5° | 327.9 | 344.0 | 385.0 | 452.3 | 509.8 | 505.3 | 420.8 | 333.4 | 281.1 | 246.2 | 225.3 |
| 60° | 297.8 | 313.7 | 349.8 | 407.6 | 450.9 | 435.7 | 358.2 | 287.8 | 243.0 | 217.4 | 200.8 |
| 62.5° | 269.8 | 282.2 | 316.0 | 358.2 | 389.4 | 372.2 | 306.1 | 247.9 | 212.4 | 190.8 | 177.6 |
| 65° | 229.2 | 239.3 | 266.5 | 288.4 | 305.8 | 289.2 | 234.3 | 193.9 | 168.2 | 153.1 | 144.0 |
| 67.5° | 190.7 | 197.1 | 214.2 | 222.2 | 234.4 | 216.2 | 176.2 | 149.1 | 134.5 | 121.8 | 115.5 |
| 70° | 166.5 | 171.2 | 180.1 | 186.6 | 189.9 | 171.2 | 141.5 | 121.7 | 109.4 | 100.4 | 96.4 |
| 72.5° | 142.1 | 146.3 | 148.1 | 153.4 | 151.7 | 134.1 | 113.8 | 98.0 | 89.2 | 83.0 | 77.9 |
| 75° | 108.7 | 110.5 | 108.7 | 106.5 | 101.8 | 89.5 | 75.5 | 67.5 | 61.0 | 58.2 | 56.4 |
| 77.5° | 79.2 | 78.6 | 76.2 | 72.8 | 64.8 | 57.0 | 49.5 | 46.8 | 44.0 | 42.4 | 41.8 |
| 80° | 61.0 | 59.6 | 57.4 | 52.0 | 45.1 | 39.7 | 37.9 | 36.1 | 35.1 | 33.2 | 32.9 |
| 82.5° | 45.4 | 44.6 | 40.9 | 36.4 | 31.6 | 29.0 | 27.5 | 26.9 | 25.7 | 24.9 | 24.8 |
| 85° | 24.2 | 23.1 | 19.1 | 16.6 | 15.9 | 15.2 | 14.8 | 14.8 | 13.4 | 13.0 | 13.0 |
| 87.5° | 8.4 | 7.1 | 7.3 | 6.8 | 7.3 | 7.3 | 8.0 | 8.0 | 8.3 | 8.8 | 8.3 |
| 90° | 3.0 | 5.1 | 7.3 | 9.3 | 11.7 | 14.4 | 17.2 | 19.9 | 22.6 | 23.4 | 24.2 |
| 92.5° | 24.2 | 25.6 | 27.1 | 28.5 | 30.0 | 31.5 | 33.0 | 34.6 | 36.1 | 36.8 | 37.5 |
| 95° | 56.9 | 58.4 | 59.9 | 61.4 | 63.0 | 64.6 | 66.3 | 68.0 | 69.7 | 70.5 | 71.3 |
| 97.5° | 99.7 | 100.8 | 101.9 | 102.9 | 104.1 | 105.3 | 106.5 | 107.7 | 109.0 | 109.9 | 110.8 |
| 100° | 129.2 | 130.4 | 131.7 | 133.0 | 134.1 | 135.2 | 136.2 | 137.2 | 138.3 | 138.9 | 139.6 |
| 102.5° | 162.6 | 163.3 | 164.1 | 164.9 | 165.9 | 167.3 | 168.6 | 170.0 | 171.4 | 172.0 | 172.7 |
| 105° | 212.1 | 212.5 | 212.9 | 213.4 | 214.5 | 216.4 | 218.3 | 220.2 | 222.1 | 222.1 | 222.1 |
| 107.5° | 269.9 | 270.1 | 270.4 | 270.7 | 271.2 | 271.9 | 272.7 | 273.4 | 274.2 | 274.8 | 275.5 |
| 110° | 306.2 | 306.6 | 307.0 | 307.5 | 307.8 | 308.3 | 308.7 | 309.2 | 309.5 | 310.4 | 311.2 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 343.7 | 343.9 | 344.1 | 344.4 | 344.6 | 344.7 | 344.8 | 344.9 | 344.9 | 345.9 | 346.9 |
| 115° | 400.5 | 401.1 | 401.7 | 402.4 | 402.5 | 402.1 | 401.6 | 401.2 | 400.8 | 401.1 | 401.2 |
| 117.5° | 457.1 | 457.5 | 458.0 | 458.4 | 458.3 | 457.8 | 457.2 | 456.7 | 456.1 | 456.1 | 456.0 |
| 120° | 493.3 | 494.6 | 495.9 | 497.1 | 497.2 | 496.2 | 495.1 | 494.1 | 493.0 | 492.8 | 492.6 |
| 122.5° | 529.9 | 530.7 | 531.7 | 532.6 | 532.8 | 532.3 | 531.7 | 531.2 | 530.7 | 530.1 | 529.5 |
| 125° | 585.9 | 586.4 | 587.1 | 587.7 | 587.9 | 587.4 | 587.0 | 586.5 | 586.2 | 585.3 | 584.5 |
| 127.5° | 638.5 | 639.8 | 641.1 | 642.5 | 642.9 | 642.4 | 642.1 | 641.6 | 641.1 | 639.9 | 638.8 |
| 130° | 673.4 | 675.1 | 676.7 | 678.4 | 679.0 | 678.3 | 677.7 | 677.1 | 676.5 | 675.6 | 674.8 |
| 132.5° | 708.0 | 709.7 | 711.4 | 713.1 | 713.7 | 713.2 | 712.8 | 712.3 | 711.8 | 710.9 | 709.8 |
| 135° | 760.5 | 761.8 | 763.0 | 764.3 | 764.8 | 764.6 | 764.4 | 764.2 | 763.9 | 763.2 | 762.3 |
| 137.5° | 809.3 | 810.3 | 811.3 | 812.4 | 813.1 | 813.7 | 814.3 | 814.8 | 815.3 | 814.5 | 813.6 |
| 140° | 843.1 | 844.1 | 845.2 | 846.2 | 846.9 | 847.1 | 847.3 | 847.5 | 847.7 | 847.5 | 847.3 |
| 142.5° | 873.9 | 875.1 | 876.1 | 877.1 | 877.8 | 878.2 | 878.5 | 878.9 | 879.3 | 879.1 | 878.9 |
| 145° | 921.5 | 921.9 | 922.4 | 922.7 | 923.3 | 923.9 | 924.5 | 925.2 | 925.8 | 925.6 | 925.4 |
| 147.5° | 964.0 | 964.8 | 965.5 | 966.3 | 967.0 | 967.5 | 968.1 | 968.7 | 969.3 | 969.3 | 969.3 |
| 150° | 993.1 | 993.4 | 993.8 | 994.3 | 994.7 | 995.1 | 995.5 | 996.0 | 996.4 | 996.4 | 996.4 |
| 152.5° | 1017.3 | 1017.9 | 1018.4 | 1019.0 | 1019.5 | 1019.7 | 1019.9 | 1020.2 | 1020.5 | 1020.8 | 1021.2 |
| 155° | 1054.7 | 1054.7 | 1054.7 | 1054.7 | 1054.8 | 1055.0 | 1055.2 | 1055.5 | 1055.6 | 1056.5 | 1057.3 |
| 157.5° | 1086.8 | 1086.6 | 1086.3 | 1086.1 | 1086.0 | 1086.2 | 1086.4 | 1086.6 | 1086.7 | 1087.6 | 1088.4 |
| 160° | 1106.9 | 1106.5 | 1106.2 | 1105.7 | 1105.5 | 1105.5 | 1105.5 | 1105.5 | 1105.5 | 1106.5 | 1107.6 |
| 162.5° | 1124.8 | 1124.3 | 1123.7 | 1123.1 | 1122.9 | 1123.0 | 1123.2 | 1123.4 | 1123.6 | 1124.6 | 1125.7 |
| 165° | 1148.1 | 1147.5 | 1146.9 | 1146.3 | 1145.9 | 1145.9 | 1145.9 | 1145.9 | 1145.9 | 1147.2 | 1148.5 |
| 167.5° | 1166.6 | 1165.7 | 1164.9 | 1164.0 | 1163.8 | 1163.9 | 1164.0 | 1164.2 | 1164.4 | 1165.7 | 1167.0 |
| 170° | 1177.1 | 1176.3 | 1175.4 | 1174.6 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1175.6 | 1177.1 |
| 172.5° | 1185.4 | 1184.6 | 1183.7 | 1182.9 | 1182.4 | 1182.4 | 1182.4 | 1182.4 | 1182.4 | 1183.7 | 1185.1 |
| 175° | 1194.0 | 1193.2 | 1192.4 | 1191.6 | 1191.1 | 1191.1 | 1191.1 | 1191.1 | 1191.1 | 1192.4 | 1193.6 |
| 177.5° | 1197.8 | 1197.1 | 1196.5 | 1195.8 | 1195.4 | 1195.4 | 1195.4 | 1195.4 | 1195.4 | 1196.5 | 1197.5 |
| 180° | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 |
| 2.5° | 889.6 | 889.6 | 890.7 | 895.0 | 895.6 | 899.4 | 898.1 |
| 5° | 977.6 | 984.5 | 987.0 | 997.9 | 1004.4 | 1007.2 | 1001.5 |
| 7.5° | 1085.3 | 1104.7 | 1113.9 | 1125.2 | 1135.2 | 1138.3 | 1130.4 |
| 10° | 1163.9 | 1184.1 | 1201.1 | 1211.5 | 1221.3 | 1227.8 | 1236.1 |
| 12.5° | 1239.8 | 1264.7 | 1280.8 | 1295.6 | 1305.6 | 1313.9 | 1315.2 |
| 15° | 1322.4 | 1359.9 | 1388.5 | 1409.4 | 1419.8 | 1425.3 | 1423.1 |
| 17.5° | 1405.6 | 1440.4 | 1460.8 | 1482.1 | 1496.6 | 1497.3 | 1497.8 |
| 20° | 1452.7 | 1486.7 | 1510.1 | 1526.0 | 1542.3 | 1541.5 | 1545.1 |
| 22.5° | 1484.2 | 1510.9 | 1528.9 | 1540.4 | 1546.0 | 1543.2 | 1544.0 |
| 25° | 1498.9 | 1506.8 | 1503.6 | 1485.2 | 1480.5 | 1463.6 | 1466.4 |
| 27.5° | 1423.0 | 1385.4 | 1346.6 | 1296.6 | 1257.2 | 1225.7 | 1227.3 |
| 30° | 1319.8 | 1253.4 | 1177.6 | 1114.1 | 1057.1 | 1041.1 | 1007.2 |
| 32.5° | 1175.7 | 1076.1 | 987.3 | 928.1 | 879.1 | 865.8 | 836.2 |
| 35° | 931.4 | 834.6 | 743.3 | 688.4 | 666.8 | 636.5 | 636.1 |
| 37.5° | 724.0 | 638.8 | 590.5 | 549.3 | 527.7 | 509.3 | 507.6 |
| 40° | 609.1 | 542.6 | 506.1 | 476.5 | 455.2 | 441.5 | 438.3 |
| 42.5° | 528.8 | 475.0 | 440.8 | 422.5 | 406.1 | 399.1 | 393.8 |
| 45° | 431.8 | 395.7 | 371.8 | 355.2 | 347.6 | 342.2 | 339.3 |
| 47.5° | 361.2 | 337.0 | 320.7 | 309.7 | 303.5 | 297.8 | 299.4 |
| 50° | 322.7 | 302.9 | 291.0 | 280.5 | 275.8 | 271.8 | 272.2 |
| 52.5° | 291.8 | 274.0 | 264.4 | 256.8 | 251.0 | 248.2 | 246.8 |
| 55° | 247.7 | 236.5 | 226.7 | 221.3 | 218.0 | 214.1 | 213.0 |
| 57.5° | 211.2 | 202.6 | 194.6 | 188.5 | 187.8 | 183.9 | 184.4 |
| 60° | 187.0 | 179.7 | 173.2 | 170.0 | 167.5 | 164.3 | 165.3 |
| 62.5° | 167.1 | 161.0 | 155.0 | 152.4 | 149.9 | 147.5 | 148.0 |
| 65° | 136.9 | 131.0 | 127.4 | 126.0 | 124.9 | 123.9 | 122.7 |
| 67.5° | 109.1 | 105.5 | 103.2 | 100.1 | 97.9 | 97.6 | 96.4 |
| 70° | 91.7 | 87.0 | 83.0 | 79.1 | 77.9 | 77.6 | 77.9 |
| 72.5° | 73.5 | 70.5 | 69.5 | 67.5 | 67.3 | 66.4 | 67.0 |
| 75° | 55.2 | 54.2 | 53.4 | 52.0 | 52.0 | 52.0 | 52.0 |
| 77.5° | 40.7 | 40.1 | 39.7 | 39.3 | 39.0 | 38.5 | 38.5 |
| 80° | 31.8 | 31.4 | 30.7 | 30.7 | 30.3 | 30.7 | 30.3 |
| 82.5° | 23.9 | 23.9 | 23.2 | 23.2 | 22.8 | 22.6 | 22.8 |
| 85° | 12.3 | 11.9 | 12.6 | 11.9 | 12.3 | 11.6 | 12.3 |
| 87.5° | 8.5 | 8.7 | 8.5 | 8.6 | 8.4 | 9.0 | 8.6 |
| 90° | 25.1 | 25.9 | 26.6 | 27.0 | 27.4 | 27.8 | 28.2 |
| 92.5° | 38.2 | 38.8 | 39.0 | 38.7 | 38.5 | 38.3 | 38.0 |
| 95° | 72.1 | 73.0 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 97.5° | 111.9 | 112.8 | 113.2 | 113.2 | 113.1 | 113.0 | 112.9 |
| 100° | 140.2 | 140.8 | 141.4 | 141.8 | 142.1 | 142.6 | 143.0 |
| 102.5° | 173.3 | 173.9 | 174.2 | 174.1 | 174.0 | 174.0 | 173.9 |
| 105° | 222.1 | 222.1 | 222.3 | 222.6 | 223.1 | 223.5 | 223.9 |
| 107.5° | 276.2 | 276.8 | 277.0 | 276.8 | 276.5 | 276.3 | 276.1 |
| 110° | 312.1 | 312.9 | 313.1 | 312.6 | 312.3 | 311.9 | 311.4 |



TEST NUMBER: P332289-830

CATALOG NUMBER: S123RDIP-S560D1025U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 347.9 | 348.9 | 349.4 | 349.3 | 349.2 | 349.1 | 349.0 |
| 115° | 401.4 | 401.6 | 401.6 | 401.4 | 401.2 | 401.1 | 400.8 |
| 117.5° | 456.0 | 456.0 | 455.6 | 455.1 | 454.5 | 453.9 | 453.3 |
| 120° | 492.4 | 492.2 | 491.8 | 491.4 | 491.1 | 490.6 | 490.2 |
| 122.5° | 529.0 | 528.5 | 527.9 | 527.4 | 526.7 | 526.1 | 525.6 |
| 125° | 583.6 | 582.8 | 581.9 | 581.2 | 580.3 | 579.5 | 578.6 |
| 127.5° | 637.6 | 636.4 | 635.4 | 634.4 | 633.4 | 632.4 | 631.5 |
| 130° | 673.9 | 673.2 | 671.9 | 670.5 | 669.0 | 667.6 | 666.1 |
| 132.5° | 708.9 | 707.8 | 706.8 | 705.7 | 704.6 | 703.4 | 702.3 |
| 135° | 761.5 | 760.6 | 760.0 | 759.6 | 759.1 | 758.7 | 758.4 |
| 137.5° | 812.8 | 811.8 | 811.0 | 810.2 | 809.4 | 808.6 | 807.9 |
| 140° | 847.1 | 846.9 | 846.0 | 844.6 | 843.1 | 841.7 | 840.2 |
| 142.5° | 878.7 | 878.4 | 877.8 | 876.7 | 875.5 | 874.4 | 873.3 |
| 145° | 925.2 | 924.9 | 924.4 | 923.6 | 922.7 | 921.9 | 921.1 |
| 147.5° | 969.3 | 969.3 | 968.7 | 967.4 | 966.1 | 964.9 | 963.7 |
| 150° | 996.4 | 996.4 | 995.7 | 994.5 | 993.3 | 991.9 | 990.7 |
| 152.5° | 1021.4 | 1021.8 | 1021.4 | 1020.3 | 1019.3 | 1018.1 | 1017.1 |
| 155° | 1058.2 | 1058.9 | 1058.7 | 1057.2 | 1055.7 | 1054.2 | 1052.8 |
| 157.5° | 1089.3 | 1090.2 | 1090.1 | 1088.9 | 1087.7 | 1086.6 | 1085.3 |
| 160° | 1108.6 | 1109.7 | 1109.7 | 1109.0 | 1108.1 | 1107.3 | 1106.5 |
| 162.5° | 1126.7 | 1127.8 | 1127.6 | 1126.2 | 1124.9 | 1123.6 | 1122.3 |
| 165° | 1149.7 | 1150.9 | 1150.8 | 1149.4 | 1147.9 | 1146.5 | 1145.0 |
| 167.5° | 1168.3 | 1169.6 | 1169.6 | 1168.3 | 1167.0 | 1165.7 | 1164.4 |
| 170° | 1178.6 | 1180.1 | 1180.1 | 1178.6 | 1177.1 | 1175.6 | 1174.2 |
| 172.5° | 1186.4 | 1187.6 | 1187.6 | 1186.1 | 1184.7 | 1183.2 | 1181.7 |
| 175° | 1194.9 | 1196.2 | 1196.0 | 1194.6 | 1193.1 | 1191.7 | 1190.1 |
| 177.5° | 1198.4 | 1199.5 | 1199.4 | 1198.3 | 1197.0 | 1195.9 | 1194.7 |
| 180° | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 | 1197.7 |

(END OF REPORT)