

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: P332402-830

Luminaire Tested: **S123RDIW-S340D1320U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332402-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIW-S340D1320U830-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1320 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6256.4 lumens
Efficiency: N/A
Efficacy: 134.3 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

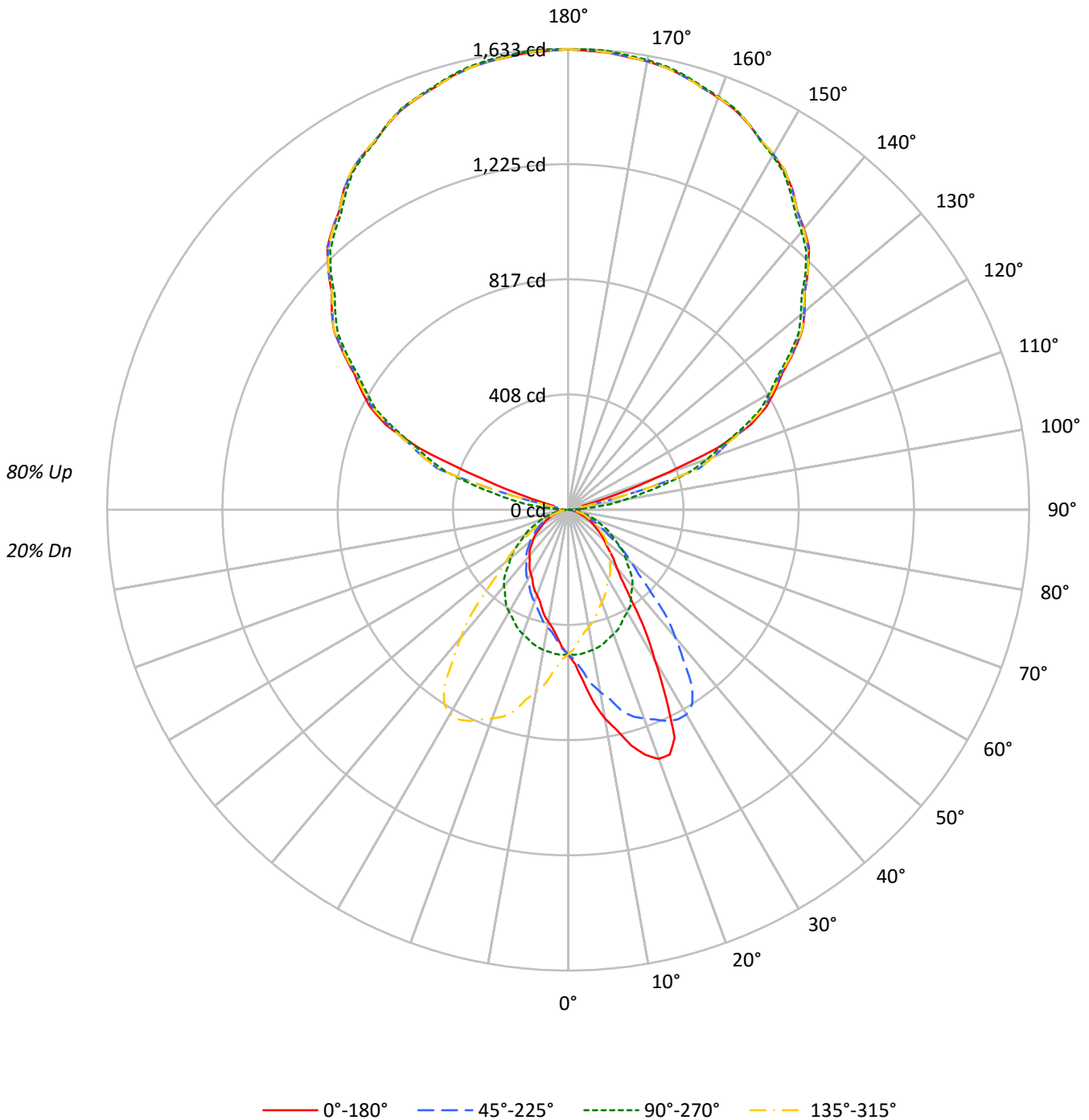
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | 20 | | | 20 | | | 20 |
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 100 | 100 | 100 | 100 | 89 | 89 | 89 | 89 | 67 | 67 | 67 | 47 | 47 | 47 | 29 | 29 | 29 | 20 |
| 1 | 91 | 87 | 84 | 80 | 81 | 77 | 74 | 72 | 59 | 57 | 55 | 42 | 41 | 40 | 26 | 25 | 25 | 18 |
| 2 | 83 | 76 | 71 | 66 | 74 | 68 | 63 | 59 | 52 | 49 | 46 | 37 | 35 | 33 | 23 | 22 | 21 | 15 |
| 3 | 76 | 67 | 61 | 55 | 67 | 60 | 54 | 50 | 46 | 42 | 39 | 33 | 30 | 28 | 21 | 19 | 18 | 13 |
| 4 | 70 | 60 | 52 | 47 | 61 | 53 | 47 | 42 | 41 | 36 | 33 | 29 | 27 | 24 | 19 | 17 | 16 | 11 |
| 5 | 64 | 53 | 45 | 40 | 56 | 47 | 41 | 36 | 36 | 32 | 29 | 26 | 23 | 21 | 17 | 15 | 14 | 10 |
| 6 | 59 | 47 | 40 | 34 | 52 | 42 | 36 | 31 | 33 | 28 | 25 | 24 | 21 | 19 | 15 | 14 | 12 | 9 |
| 7 | 54 | 43 | 35 | 30 | 48 | 38 | 32 | 27 | 30 | 25 | 22 | 22 | 19 | 16 | 14 | 12 | 11 | 8 |
| 8 | 50 | 39 | 31 | 26 | 44 | 35 | 28 | 24 | 27 | 22 | 19 | 20 | 17 | 15 | 13 | 11 | 10 | 7 |
| 9 | 47 | 35 | 28 | 23 | 41 | 31 | 25 | 21 | 25 | 20 | 17 | 18 | 15 | 13 | 12 | 10 | 9 | 7 |
| 10 | 43 | 32 | 25 | 21 | 38 | 29 | 23 | 19 | 22 | 18 | 15 | 17 | 14 | 12 | 11 | 9 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 5521 | 5521 | 5521 | 5521 |
| 5° | 6582 | 5545 | 4883 | 5545 |
| 10° | 8218 | 5513 | 4411 | 5513 |
| 15° | 9646 | 5457 | 4023 | 5457 |
| 20° | 10766 | 5372 | 3692 | 5372 |
| 25° | 10594 | 5284 | 3489 | 5284 |
| 30° | 7615 | 5203 | 3280 | 5203 |
| 35° | 5084 | 5096 | 3144 | 5096 |
| 40° | 3746 | 4967 | 3006 | 4967 |
| 45° | 3142 | 4743 | 2868 | 4743 |
| 50° | 2773 | 4449 | 2678 | 4449 |
| 55° | 2432 | 4112 | 2415 | 4112 |
| 60° | 2166 | 3791 | 2211 | 3791 |
| 65° | 1900 | 3446 | 2058 | 3446 |
| 70° | 1492 | 3138 | 1882 | 3138 |
| 75° | 1314 | 2741 | 1718 | 2741 |
| 80° | 1147 | 2325 | 1686 | 2325 |
| 85° | 914 | 1877 | 1791 | 1877 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 50.4 | 0.8 |
| 10°-20° | 157.6 | 2.5 |
| 20°-30° | 247.6 | 4.0 |
| 30°-40° | 258.3 | 4.1 |
| 40°-50° | 221.1 | 3.5 |
| 50°-60° | 168.5 | 2.7 |
| 60°-70° | 108.0 | 1.7 |
| 70°-80° | 52.0 | 0.8 |
| 80°-90° | 18.3 | 0.3 |
| 90°-100° | 59.3 | 0.9 |
| 100°-110° | 282.7 | 4.5 |
| 110°-120° | 679.0 | 10.9 |
| 120°-130° | 864.6 | 13.8 |
| 130°-140° | 923.8 | 14.8 |
| 140°-150° | 863.8 | 13.8 |
| 150°-160° | 696.8 | 11.1 |
| 160°-170° | 449.7 | 7.2 |
| 170°-180° | 155.0 | 2.5 |
| 0°-30° | 455.6 | 7.3 |
| 0°-40° | 714.0 | 11.4 |
| 0°-60° | 1103.5 | 17.6 |
| 0°-90° | 1281.8 | 20.5 |
| 90°-120° | 1020.9 | 16.3 |
| 90°-150° | 3673.1 | 58.7 |
| 90°-180° | 4975.0 | 79.5 |
| 0°-180° | 6256.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 513 | 513 | 513 | 513 | 513 | |
| 5° | 609 | 513 | 452 | 513 | 609 | 63 |
| 15° | 866 | 490 | 361 | 490 | 866 | 245 |
| 25° | 892 | 445 | 294 | 445 | 892 | 383 |
| 35° | 387 | 388 | 239 | 388 | 387 | 254 |
| 45° | 206 | 312 | 188 | 312 | 206 | 162 |
| 55° | 130 | 219 | 129 | 219 | 130 | 117 |
| 65° | 75 | 135 | 81 | 135 | 75 | 73 |
| 75° | 32 | 66 | 41 | 66 | 32 | 34 |
| 85° | 7 | 15 | 14 | 15 | 7 | 10 |
| 90° | 36 | 1 | 36 | 1 | 36 | 17 |
| 95° | 46 | 74 | 46 | 74 | 46 | 39 |
| 105° | 53 | 361 | 53 | 361 | 53 | 122 |
| 115° | 713 | 678 | 713 | 678 | 713 | 658 |
| 125° | 974 | 955 | 974 | 955 | 974 | 870 |
| 135° | 1201 | 1189 | 1201 | 1189 | 1201 | 926 |
| 145° | 1385 | 1372 | 1385 | 1372 | 1385 | 865 |
| 155° | 1509 | 1511 | 1509 | 1511 | 1509 | 696 |
| 165° | 1590 | 1594 | 1590 | 1594 | 1590 | 449 |
| 175° | 1625 | 1631 | 1625 | 1631 | 1625 | 155 |
| 180° | 1631 | 1631 | 1631 | 1631 | 1631 | |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5° | 546.4 | 547.1 | 544.8 | 544.4 | 541.8 | 541.1 | 541.1 | 537.3 | 535.1 | 532.2 | 530.4 |
| 5° | 609.2 | 612.7 | 610.9 | 607.0 | 600.4 | 598.8 | 594.7 | 588.1 | 580.6 | 571.4 | 567.0 |
| 7.5° | 687.6 | 692.4 | 690.5 | 684.5 | 677.5 | 671.9 | 660.2 | 649.2 | 634.0 | 620.5 | 609.0 |
| 10° | 751.9 | 746.9 | 742.9 | 737.0 | 730.6 | 720.3 | 707.9 | 691.1 | 671.6 | 656.1 | 639.0 |
| 12.5° | 800.0 | 799.2 | 794.2 | 788.1 | 779.1 | 769.3 | 754.1 | 733.6 | 710.9 | 688.6 | 669.0 |
| 15° | 865.6 | 867.0 | 863.7 | 857.3 | 844.5 | 827.2 | 804.4 | 795.8 | 763.3 | 739.1 | 715.0 |
| 17.5° | 911.1 | 910.8 | 910.3 | 901.5 | 888.5 | 876.2 | 855.0 | 832.5 | 803.0 | 769.0 | 736.5 |
| 20° | 939.9 | 937.6 | 938.1 | 928.2 | 918.6 | 904.3 | 883.6 | 850.9 | 826.8 | 787.5 | 753.8 |
| 22.5° | 939.1 | 938.7 | 940.4 | 937.0 | 930.0 | 919.1 | 902.8 | 875.2 | 844.3 | 804.6 | 766.9 |
| 25° | 892.0 | 890.2 | 900.5 | 903.4 | 914.6 | 916.6 | 911.7 | 896.6 | 867.4 | 826.5 | 779.8 |
| 27.5° | 746.5 | 745.6 | 764.7 | 788.7 | 819.1 | 842.7 | 865.5 | 876.6 | 867.4 | 838.1 | 791.3 |
| 30° | 612.7 | 633.3 | 643.0 | 677.7 | 716.3 | 762.4 | 802.9 | 841.2 | 850.7 | 837.9 | 799.6 |
| 32.5° | 508.7 | 526.7 | 534.8 | 564.5 | 600.6 | 654.6 | 715.2 | 769.6 | 808.0 | 817.7 | 794.7 |
| 35° | 386.9 | 387.1 | 405.6 | 418.8 | 452.1 | 507.7 | 566.6 | 639.4 | 711.9 | 766.9 | 772.5 |
| 37.5° | 308.8 | 309.8 | 321.0 | 334.1 | 359.2 | 388.5 | 440.4 | 501.0 | 584.7 | 668.9 | 718.4 |
| 40° | 266.6 | 268.5 | 276.9 | 289.8 | 307.8 | 330.1 | 370.4 | 427.5 | 497.4 | 591.2 | 667.8 |
| 42.5° | 239.5 | 242.7 | 247.0 | 257.0 | 268.2 | 289.0 | 321.6 | 365.7 | 429.2 | 517.9 | 606.3 |
| 45° | 206.4 | 208.2 | 211.5 | 216.1 | 226.2 | 240.6 | 262.6 | 292.3 | 345.0 | 416.3 | 504.8 |
| 47.5° | 182.1 | 181.2 | 184.6 | 188.3 | 195.1 | 205.0 | 219.7 | 243.8 | 281.4 | 338.7 | 413.8 |
| 50° | 165.6 | 165.3 | 167.8 | 170.6 | 177.0 | 184.3 | 196.3 | 214.5 | 244.4 | 291.8 | 360.6 |
| 52.5° | 150.1 | 150.9 | 152.7 | 156.2 | 160.8 | 166.6 | 177.5 | 190.7 | 216.3 | 257.2 | 314.5 |
| 55° | 129.6 | 130.3 | 132.6 | 134.6 | 137.9 | 143.8 | 150.6 | 161.6 | 179.2 | 207.7 | 255.0 |
| 57.5° | 112.2 | 111.9 | 114.1 | 114.7 | 118.4 | 123.2 | 128.5 | 137.0 | 149.8 | 171.0 | 202.7 |
| 60° | 100.6 | 99.9 | 101.9 | 103.4 | 105.4 | 109.3 | 113.8 | 122.1 | 132.2 | 147.8 | 175.0 |
| 62.5° | 90.0 | 89.7 | 91.1 | 92.7 | 94.3 | 97.9 | 101.6 | 108.0 | 116.0 | 129.1 | 150.8 |
| 65° | 74.6 | 75.3 | 76.0 | 76.6 | 77.5 | 79.7 | 83.2 | 87.7 | 93.1 | 102.4 | 117.9 |
| 67.5° | 58.7 | 59.4 | 59.6 | 60.9 | 62.8 | 64.2 | 66.4 | 70.2 | 74.1 | 81.8 | 90.7 |
| 70° | 47.4 | 47.2 | 47.4 | 48.1 | 50.5 | 52.9 | 55.8 | 58.6 | 61.1 | 66.5 | 74.0 |
| 72.5° | 40.7 | 40.3 | 40.9 | 41.1 | 42.2 | 42.9 | 44.7 | 47.4 | 50.5 | 54.2 | 59.6 |
| 75° | 31.6 | 31.6 | 31.6 | 31.6 | 32.5 | 32.9 | 33.6 | 34.2 | 35.3 | 37.1 | 41.1 |
| 77.5° | 23.4 | 23.4 | 23.8 | 23.9 | 24.1 | 24.4 | 24.8 | 25.4 | 25.8 | 26.8 | 28.5 |
| 80° | 18.5 | 18.7 | 18.5 | 18.7 | 18.7 | 19.1 | 19.3 | 20.0 | 20.2 | 21.3 | 22.0 |
| 82.5° | 13.9 | 13.8 | 13.9 | 14.1 | 14.1 | 14.5 | 14.6 | 15.1 | 15.1 | 15.6 | 16.3 |
| 85° | 7.4 | 7.1 | 7.4 | 7.3 | 7.7 | 7.3 | 7.4 | 7.9 | 7.9 | 8.1 | 9.0 |
| 87.5° | 9.0 | 9.2 | 8.9 | 8.9 | 8.8 | 8.8 | 8.6 | 8.4 | 8.5 | 8.1 | 7.5 |
| 90° | 36.4 | 35.8 | 35.3 | 34.8 | 34.2 | 33.4 | 32.3 | 31.2 | 30.2 | 29.1 | 25.5 |
| 92.5° | 40.2 | 39.9 | 39.6 | 39.3 | 38.9 | 37.9 | 36.2 | 34.5 | 32.7 | 31.0 | 28.4 |
| 95° | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 45.1 | 43.3 | 41.4 | 39.5 | 37.6 | 34.6 |
| 97.5° | 50.0 | 49.7 | 49.4 | 49.1 | 48.8 | 47.6 | 45.5 | 43.4 | 41.2 | 39.0 | 58.4 |
| 100° | 50.9 | 50.6 | 50.3 | 50.0 | 49.9 | 48.6 | 46.5 | 44.3 | 42.1 | 40.0 | 82.0 |
| 102.5° | 51.8 | 51.4 | 50.9 | 50.4 | 50.0 | 53.1 | 59.7 | 66.4 | 73.0 | 79.7 | 125.6 |
| 105° | 53.3 | 52.8 | 52.2 | 51.7 | 51.2 | 74.7 | 122.4 | 170.0 | 217.7 | 265.4 | 289.6 |
| 107.5° | 167.5 | 203.4 | 239.3 | 275.3 | 311.2 | 346.7 | 381.6 | 416.6 | 451.5 | 486.4 | 482.7 |
| 110° | 333.3 | 371.8 | 410.3 | 448.8 | 487.3 | 511.0 | 519.9 | 528.8 | 537.7 | 546.6 | 543.7 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 571.8 | 579.9 | 588.1 | 596.2 | 604.4 | 608.3 | 608.1 | 608.0 | 607.8 | 607.7 | 604.7 |
| 115° | 712.7 | 711.5 | 710.5 | 709.4 | 708.3 | 706.4 | 703.7 | 701.1 | 698.3 | 695.7 | 693.2 |
| 117.5° | 791.6 | 791.5 | 791.2 | 791.0 | 790.8 | 789.6 | 787.4 | 785.3 | 783.2 | 781.0 | 779.8 |
| 120° | 845.9 | 845.9 | 845.9 | 845.9 | 845.9 | 844.9 | 842.7 | 840.6 | 838.4 | 836.2 | 835.5 |
| 122.5° | 899.3 | 899.1 | 898.8 | 898.6 | 898.4 | 897.6 | 896.1 | 894.6 | 893.1 | 891.6 | 890.5 |
| 125° | 974.4 | 973.8 | 973.4 | 972.8 | 972.2 | 971.7 | 971.2 | 970.6 | 970.1 | 969.6 | 968.5 |
| 127.5° | 1046.6 | 1047.2 | 1047.7 | 1048.3 | 1048.8 | 1048.7 | 1047.7 | 1046.9 | 1046.0 | 1045.2 | 1043.9 |
| 130° | 1093.2 | 1093.7 | 1094.3 | 1094.8 | 1095.3 | 1095.0 | 1094.0 | 1092.9 | 1091.8 | 1090.7 | 1089.7 |
| 132.5° | 1135.9 | 1136.6 | 1137.4 | 1138.1 | 1138.9 | 1138.7 | 1137.6 | 1136.5 | 1135.5 | 1134.3 | 1133.5 |
| 135° | 1201.1 | 1201.8 | 1202.7 | 1203.4 | 1204.3 | 1204.3 | 1203.4 | 1202.7 | 1201.8 | 1201.1 | 1200.0 |
| 137.5° | 1262.3 | 1262.9 | 1263.5 | 1263.9 | 1264.5 | 1264.1 | 1262.8 | 1261.6 | 1260.3 | 1259.0 | 1258.4 |
| 140° | 1299.2 | 1299.8 | 1300.2 | 1300.8 | 1301.4 | 1301.1 | 1300.0 | 1298.9 | 1297.9 | 1296.8 | 1296.0 |
| 142.5° | 1333.1 | 1333.9 | 1334.6 | 1335.4 | 1336.1 | 1336.1 | 1335.2 | 1334.4 | 1333.5 | 1332.7 | 1331.8 |
| 145° | 1385.3 | 1385.3 | 1385.3 | 1385.3 | 1385.3 | 1385.0 | 1384.4 | 1383.9 | 1383.4 | 1382.8 | 1382.3 |
| 147.5° | 1424.0 | 1425.3 | 1426.5 | 1427.8 | 1429.0 | 1429.4 | 1428.8 | 1428.2 | 1427.8 | 1427.2 | 1426.6 |
| 150° | 1453.1 | 1454.0 | 1454.7 | 1455.6 | 1456.3 | 1456.5 | 1455.9 | 1455.4 | 1454.9 | 1454.3 | 1453.8 |
| 152.5° | 1476.4 | 1477.6 | 1478.8 | 1480.1 | 1481.4 | 1481.5 | 1480.5 | 1479.5 | 1478.6 | 1477.6 | 1477.2 |
| 155° | 1508.9 | 1510.5 | 1512.1 | 1513.7 | 1515.3 | 1515.5 | 1514.1 | 1512.8 | 1511.5 | 1510.0 | 1509.9 |
| 157.5° | 1536.3 | 1538.3 | 1540.5 | 1542.6 | 1544.6 | 1544.9 | 1543.3 | 1541.7 | 1540.0 | 1538.4 | 1538.7 |
| 160° | 1553.7 | 1555.6 | 1557.5 | 1559.3 | 1561.2 | 1561.4 | 1559.8 | 1558.1 | 1556.5 | 1554.9 | 1555.2 |
| 162.5° | 1570.2 | 1571.9 | 1573.6 | 1575.2 | 1576.9 | 1576.8 | 1575.0 | 1573.1 | 1571.3 | 1569.4 | 1569.7 |
| 165° | 1590.1 | 1592.0 | 1593.8 | 1595.7 | 1597.6 | 1597.5 | 1595.3 | 1593.2 | 1591.0 | 1588.8 | 1589.1 |
| 167.5° | 1604.4 | 1606.6 | 1608.7 | 1610.8 | 1613.0 | 1613.0 | 1610.8 | 1608.7 | 1606.6 | 1604.4 | 1604.4 |
| 170° | 1613.1 | 1615.2 | 1617.4 | 1619.6 | 1621.7 | 1621.7 | 1619.6 | 1617.4 | 1615.2 | 1613.1 | 1613.1 |
| 172.5° | 1618.0 | 1620.3 | 1622.7 | 1625.0 | 1627.4 | 1627.6 | 1625.4 | 1623.2 | 1621.1 | 1618.9 | 1618.7 |
| 175° | 1625.2 | 1627.4 | 1629.6 | 1631.7 | 1633.8 | 1634.0 | 1632.1 | 1630.2 | 1628.3 | 1626.5 | 1626.2 |
| 177.5° | 1627.4 | 1629.6 | 1631.7 | 1633.9 | 1636.1 | 1636.3 | 1634.6 | 1632.8 | 1631.1 | 1629.4 | 1629.1 |
| 180° | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5° | 529.6 | 529.1 | 526.7 | 523.9 | 520.2 | 517.7 | 515.8 | 514.7 | 511.5 | 507.7 | 505.1 |
| 5° | 562.4 | 555.8 | 548.7 | 540.2 | 532.3 | 524.1 | 519.2 | 513.2 | 506.0 | 497.9 | 492.1 |
| 7.5° | 597.4 | 584.5 | 570.6 | 556.2 | 542.1 | 529.3 | 518.0 | 508.4 | 496.9 | 485.2 | 477.1 |
| 10° | 624.3 | 605.4 | 585.9 | 565.9 | 547.7 | 530.6 | 517.4 | 504.4 | 490.6 | 477.2 | 467.0 |
| 12.5° | 648.8 | 623.9 | 601.3 | 576.7 | 553.5 | 533.0 | 514.1 | 498.8 | 482.1 | 467.9 | 456.4 |
| 15° | 679.7 | 654.1 | 627.0 | 589.6 | 558.6 | 532.7 | 509.6 | 489.7 | 469.5 | 451.9 | 440.7 |
| 17.5° | 708.5 | 670.2 | 633.6 | 602.5 | 562.2 | 529.9 | 501.7 | 477.9 | 455.6 | 437.1 | 423.2 |
| 20° | 720.5 | 683.3 | 643.7 | 603.9 | 564.4 | 528.1 | 495.4 | 469.0 | 446.0 | 424.9 | 412.2 |
| 22.5° | 727.6 | 685.7 | 643.8 | 601.1 | 559.1 | 521.4 | 489.1 | 460.1 | 435.1 | 415.1 | 399.4 |
| 25° | 736.0 | 686.0 | 639.9 | 597.8 | 554.9 | 514.1 | 475.6 | 444.9 | 417.9 | 396.6 | 379.9 |
| 27.5° | 741.6 | 682.7 | 628.2 | 581.4 | 537.9 | 497.3 | 462.0 | 429.4 | 402.0 | 379.5 | 361.6 |
| 30° | 742.6 | 680.0 | 619.3 | 568.5 | 524.4 | 487.0 | 449.7 | 418.6 | 389.6 | 365.6 | 348.9 |
| 32.5° | 744.0 | 673.5 | 607.1 | 553.3 | 508.0 | 471.1 | 437.2 | 407.5 | 377.8 | 354.2 | 337.1 |
| 35° | 738.3 | 670.0 | 588.7 | 526.8 | 481.5 | 445.7 | 415.3 | 387.8 | 358.6 | 335.7 | 318.4 |
| 37.5° | 713.3 | 655.7 | 569.7 | 497.0 | 449.7 | 416.6 | 391.7 | 367.8 | 341.0 | 316.3 | 300.0 |
| 40° | 688.2 | 641.7 | 554.9 | 478.9 | 429.5 | 395.5 | 373.1 | 353.5 | 327.6 | 304.5 | 287.0 |
| 42.5° | 650.8 | 622.5 | 540.8 | 460.0 | 406.7 | 373.9 | 355.0 | 336.7 | 314.0 | 290.5 | 274.0 |
| 45° | 582.1 | 585.9 | 512.1 | 429.7 | 375.0 | 342.1 | 324.3 | 311.6 | 291.4 | 272.1 | 255.1 |
| 47.5° | 496.1 | 530.9 | 478.3 | 397.6 | 341.8 | 310.9 | 295.3 | 284.2 | 270.5 | 251.6 | 236.1 |
| 50° | 439.9 | 489.7 | 451.3 | 376.0 | 320.8 | 290.1 | 274.8 | 265.7 | 253.8 | 238.9 | 224.2 |
| 52.5° | 388.0 | 441.6 | 418.6 | 351.9 | 298.1 | 270.0 | 255.1 | 247.6 | 238.2 | 224.1 | 210.8 |
| 55° | 316.4 | 370.7 | 365.4 | 315.6 | 264.2 | 238.9 | 227.5 | 219.1 | 212.8 | 202.3 | 191.7 |
| 57.5° | 256.0 | 307.4 | 310.1 | 275.1 | 234.2 | 209.2 | 199.4 | 193.1 | 189.0 | 181.1 | 171.3 |
| 60° | 217.8 | 265.0 | 274.3 | 247.9 | 212.8 | 190.9 | 181.2 | 176.1 | 172.9 | 166.5 | 159.0 |
| 62.5° | 186.2 | 226.4 | 236.9 | 217.9 | 192.3 | 171.6 | 164.1 | 159.3 | 157.0 | 151.6 | 145.0 |
| 65° | 142.5 | 175.9 | 186.0 | 175.5 | 162.0 | 145.6 | 139.4 | 135.3 | 133.3 | 130.3 | 125.4 |
| 67.5° | 107.2 | 131.5 | 142.6 | 135.2 | 130.3 | 119.9 | 116.0 | 113.8 | 112.0 | 109.9 | 105.8 |
| 70° | 86.1 | 104.1 | 115.5 | 113.6 | 109.6 | 104.1 | 101.2 | 99.7 | 97.9 | 96.1 | 92.7 |
| 72.5° | 69.2 | 81.6 | 92.3 | 93.3 | 90.1 | 89.0 | 86.4 | 85.8 | 84.7 | 82.7 | 80.7 |
| 75° | 45.9 | 54.5 | 61.9 | 64.8 | 66.1 | 67.2 | 66.1 | 65.9 | 65.7 | 63.9 | 62.8 |
| 77.5° | 30.1 | 34.7 | 39.4 | 44.3 | 46.4 | 47.8 | 48.2 | 49.0 | 48.4 | 47.5 | 46.9 |
| 80° | 23.1 | 24.1 | 27.4 | 31.6 | 34.9 | 36.2 | 37.1 | 37.5 | 37.3 | 37.1 | 36.2 |
| 82.5° | 16.8 | 17.6 | 19.2 | 22.1 | 24.9 | 27.1 | 27.6 | 27.5 | 28.0 | 28.2 | 27.4 |
| 85° | 9.0 | 9.2 | 9.7 | 10.1 | 11.6 | 14.0 | 14.7 | 15.2 | 15.6 | 15.6 | 14.2 |
| 87.5° | 7.3 | 6.3 | 6.0 | 5.4 | 5.4 | 5.0 | 5.6 | 5.8 | 6.6 | 6.4 | 7.0 |
| 90° | 22.1 | 18.6 | 15.1 | 12.0 | 9.3 | 6.6 | 3.9 | 1.2 | 3.9 | 6.6 | 9.3 |
| 92.5° | 25.7 | 23.1 | 20.5 | 19.5 | 20.3 | 21.0 | 21.8 | 22.5 | 21.8 | 21.0 | 20.3 |
| 95° | 31.7 | 28.7 | 25.7 | 29.8 | 40.8 | 51.8 | 62.9 | 73.9 | 62.9 | 51.8 | 40.8 |
| 97.5° | 77.9 | 97.2 | 116.6 | 128.8 | 133.7 | 138.6 | 143.6 | 148.5 | 143.6 | 138.6 | 133.7 |
| 100° | 124.0 | 166.1 | 208.0 | 226.4 | 220.9 | 215.6 | 210.2 | 204.8 | 210.2 | 215.6 | 220.9 |
| 102.5° | 171.5 | 217.4 | 263.3 | 284.4 | 280.4 | 276.5 | 272.7 | 268.8 | 272.7 | 276.5 | 280.4 |
| 105° | 313.9 | 338.1 | 362.4 | 373.0 | 370.0 | 367.1 | 364.1 | 361.2 | 364.1 | 367.1 | 370.0 |
| 107.5° | 478.8 | 475.0 | 471.2 | 468.1 | 465.7 | 463.4 | 461.0 | 458.6 | 461.0 | 463.4 | 465.7 |
| 110° | 540.6 | 537.7 | 534.7 | 532.2 | 530.0 | 527.8 | 525.8 | 523.6 | 525.8 | 527.8 | 530.0 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 601.7 | 598.8 | 595.8 | 593.3 | 591.4 | 589.5 | 587.6 | 585.6 | 587.6 | 589.5 | 591.4 |
| 115° | 690.8 | 688.3 | 686.0 | 683.9 | 682.3 | 680.7 | 679.1 | 677.5 | 679.1 | 680.7 | 682.3 |
| 117.5° | 778.5 | 777.2 | 776.0 | 774.4 | 772.4 | 770.4 | 768.5 | 766.5 | 768.5 | 770.4 | 772.4 |
| 120° | 834.6 | 833.8 | 833.0 | 831.4 | 829.0 | 826.5 | 824.2 | 821.7 | 824.2 | 826.5 | 829.0 |
| 122.5° | 889.5 | 888.4 | 887.4 | 885.9 | 883.9 | 881.9 | 880.0 | 878.0 | 880.0 | 881.9 | 883.9 |
| 125° | 967.4 | 966.3 | 965.3 | 963.7 | 961.5 | 959.3 | 957.2 | 955.0 | 957.2 | 959.3 | 961.5 |
| 127.5° | 1042.6 | 1041.3 | 1040.0 | 1038.3 | 1036.1 | 1034.0 | 1031.8 | 1029.6 | 1031.8 | 1034.0 | 1036.1 |
| 130° | 1088.6 | 1087.5 | 1086.5 | 1084.9 | 1082.7 | 1080.5 | 1078.4 | 1076.2 | 1078.4 | 1080.5 | 1082.7 |
| 132.5° | 1132.7 | 1131.8 | 1131.0 | 1129.4 | 1127.3 | 1125.1 | 1122.9 | 1120.8 | 1122.9 | 1125.1 | 1127.3 |
| 135° | 1198.9 | 1197.8 | 1196.7 | 1195.4 | 1193.7 | 1192.1 | 1190.5 | 1188.9 | 1190.5 | 1192.1 | 1193.7 |
| 137.5° | 1257.8 | 1257.2 | 1256.6 | 1255.3 | 1253.2 | 1251.2 | 1249.2 | 1247.1 | 1249.2 | 1251.2 | 1253.2 |
| 140° | 1295.1 | 1294.4 | 1293.5 | 1292.3 | 1290.7 | 1289.1 | 1287.5 | 1285.9 | 1287.5 | 1289.1 | 1290.7 |
| 142.5° | 1331.1 | 1330.2 | 1329.5 | 1328.2 | 1326.6 | 1325.0 | 1323.3 | 1321.7 | 1323.3 | 1325.0 | 1326.6 |
| 145° | 1381.8 | 1381.2 | 1380.6 | 1379.5 | 1377.6 | 1375.7 | 1373.9 | 1372.0 | 1373.9 | 1375.7 | 1377.6 |
| 147.5° | 1426.1 | 1425.6 | 1425.0 | 1424.2 | 1422.9 | 1421.6 | 1420.4 | 1419.2 | 1420.4 | 1421.6 | 1422.9 |
| 150° | 1453.2 | 1452.7 | 1452.2 | 1451.5 | 1450.7 | 1449.9 | 1449.1 | 1448.3 | 1449.1 | 1449.9 | 1450.7 |
| 152.5° | 1477.0 | 1476.7 | 1476.3 | 1475.9 | 1475.6 | 1475.2 | 1474.8 | 1474.4 | 1474.8 | 1475.2 | 1475.6 |
| 155° | 1509.6 | 1509.3 | 1509.0 | 1509.1 | 1509.7 | 1510.2 | 1510.8 | 1511.3 | 1510.8 | 1510.2 | 1509.7 |
| 157.5° | 1539.0 | 1539.3 | 1539.5 | 1539.6 | 1539.7 | 1539.8 | 1539.8 | 1539.9 | 1539.8 | 1539.8 | 1539.7 |
| 160° | 1555.5 | 1555.8 | 1556.0 | 1556.2 | 1556.5 | 1556.8 | 1557.1 | 1557.4 | 1557.1 | 1556.8 | 1556.5 |
| 162.5° | 1570.0 | 1570.3 | 1570.6 | 1571.0 | 1571.7 | 1572.4 | 1573.1 | 1573.9 | 1573.1 | 1572.4 | 1571.7 |
| 165° | 1589.4 | 1589.7 | 1590.0 | 1590.4 | 1591.3 | 1592.0 | 1592.9 | 1593.7 | 1592.9 | 1592.0 | 1591.3 |
| 167.5° | 1604.4 | 1604.4 | 1604.4 | 1604.9 | 1606.0 | 1607.0 | 1608.2 | 1609.2 | 1608.2 | 1607.0 | 1606.0 |
| 170° | 1613.1 | 1613.1 | 1613.1 | 1613.6 | 1614.8 | 1615.8 | 1616.8 | 1618.0 | 1616.8 | 1615.8 | 1614.8 |
| 172.5° | 1618.5 | 1618.3 | 1618.1 | 1618.6 | 1619.9 | 1621.2 | 1622.5 | 1623.8 | 1622.5 | 1621.2 | 1619.9 |
| 175° | 1625.9 | 1625.6 | 1625.3 | 1625.9 | 1627.2 | 1628.6 | 1629.9 | 1631.3 | 1629.9 | 1628.6 | 1627.2 |
| 177.5° | 1628.9 | 1628.7 | 1628.5 | 1628.9 | 1630.0 | 1631.1 | 1632.1 | 1633.2 | 1632.1 | 1631.1 | 1630.0 |
| 180° | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5° | 504.2 | 501.9 | 500.3 | 496.8 | 494.6 | 492.1 | 489.7 | 491.2 | 491.0 | 490.9 | 490.9 |
| 5° | 487.3 | 482.2 | 477.6 | 471.6 | 468.0 | 463.4 | 459.9 | 459.4 | 460.2 | 457.2 | 455.4 |
| 7.5° | 470.5 | 463.6 | 457.0 | 450.5 | 443.6 | 438.0 | 434.6 | 432.9 | 430.7 | 428.9 | 426.9 |
| 10° | 458.7 | 450.6 | 444.2 | 436.1 | 428.7 | 422.1 | 417.9 | 415.0 | 413.5 | 412.0 | 409.1 |
| 12.5° | 446.6 | 438.7 | 430.6 | 421.3 | 414.2 | 406.6 | 403.5 | 400.3 | 397.4 | 395.6 | 391.7 |
| 15° | 428.9 | 418.6 | 410.0 | 400.3 | 392.4 | 384.9 | 380.6 | 374.2 | 373.3 | 371.1 | 367.1 |
| 17.5° | 411.0 | 399.9 | 388.0 | 380.9 | 372.0 | 364.2 | 357.5 | 355.4 | 349.1 | 346.8 | 343.3 |
| 20° | 397.0 | 386.7 | 377.7 | 368.3 | 355.3 | 348.1 | 342.8 | 340.0 | 334.9 | 331.8 | 329.6 |
| 22.5° | 384.9 | 374.4 | 364.0 | 353.0 | 342.3 | 334.1 | 330.3 | 325.8 | 323.1 | 318.8 | 316.4 |
| 25° | 367.6 | 356.2 | 343.7 | 331.8 | 324.1 | 318.0 | 311.8 | 307.8 | 303.9 | 301.9 | 297.6 |
| 27.5° | 347.5 | 335.5 | 323.9 | 314.8 | 305.4 | 299.4 | 293.8 | 290.3 | 285.5 | 282.2 | 279.7 |
| 30° | 336.4 | 322.3 | 312.3 | 304.2 | 292.1 | 286.3 | 282.2 | 277.8 | 274.3 | 270.8 | 268.3 |
| 32.5° | 323.6 | 310.8 | 301.2 | 291.2 | 281.9 | 275.6 | 270.2 | 266.4 | 263.3 | 260.0 | 257.6 |
| 35° | 303.5 | 292.8 | 282.9 | 272.8 | 265.9 | 259.6 | 253.2 | 249.9 | 247.0 | 243.9 | 241.8 |
| 37.5° | 285.3 | 275.2 | 265.8 | 256.3 | 247.8 | 242.6 | 237.5 | 235.0 | 231.1 | 229.0 | 226.9 |
| 40° | 274.1 | 264.2 | 254.1 | 244.9 | 236.1 | 232.1 | 227.5 | 223.8 | 220.3 | 218.7 | 216.3 |
| 42.5° | 261.7 | 251.8 | 243.4 | 233.5 | 226.2 | 220.8 | 216.6 | 212.5 | 209.9 | 207.6 | 206.3 |
| 45° | 243.6 | 234.8 | 226.4 | 216.5 | 209.7 | 205.1 | 200.3 | 196.5 | 194.2 | 192.6 | 190.2 |
| 47.5° | 225.8 | 217.1 | 208.6 | 200.0 | 193.4 | 188.1 | 183.2 | 180.7 | 177.5 | 175.6 | 174.0 |
| 50° | 213.0 | 205.1 | 196.1 | 188.2 | 181.6 | 176.3 | 172.4 | 169.1 | 166.3 | 163.8 | 162.7 |
| 52.5° | 201.2 | 192.8 | 185.0 | 177.7 | 170.7 | 164.8 | 161.2 | 157.7 | 155.5 | 152.8 | 151.5 |
| 55° | 181.8 | 173.7 | 167.1 | 159.9 | 153.1 | 148.0 | 143.6 | 140.5 | 138.4 | 135.3 | 133.6 |
| 57.5° | 163.6 | 156.3 | 148.5 | 142.1 | 135.2 | 130.9 | 127.2 | 123.1 | 120.4 | 118.0 | 116.2 |
| 60° | 151.3 | 143.0 | 136.1 | 130.3 | 124.0 | 118.6 | 115.3 | 112.0 | 109.1 | 106.7 | 105.2 |
| 62.5° | 138.5 | 131.2 | 124.7 | 118.3 | 112.6 | 107.8 | 104.1 | 101.3 | 98.8 | 97.3 | 95.7 |
| 65° | 118.8 | 113.1 | 106.5 | 101.2 | 96.0 | 92.5 | 89.4 | 87.0 | 85.2 | 84.1 | 82.8 |
| 67.5° | 100.7 | 95.2 | 89.4 | 84.3 | 80.7 | 78.0 | 76.1 | 74.0 | 73.0 | 71.6 | 70.8 |
| 70° | 89.0 | 83.2 | 78.1 | 74.2 | 70.7 | 68.7 | 67.4 | 65.9 | 65.0 | 63.2 | 62.4 |
| 72.5° | 76.2 | 72.0 | 68.3 | 65.1 | 62.3 | 60.5 | 58.8 | 56.9 | 55.5 | 53.5 | 52.7 |
| 75° | 59.9 | 56.2 | 53.3 | 51.2 | 49.4 | 47.0 | 44.6 | 42.6 | 41.9 | 41.3 | 41.1 |
| 77.5° | 44.4 | 42.0 | 40.0 | 38.1 | 35.9 | 34.2 | 33.6 | 33.2 | 33.1 | 32.7 | 32.7 |
| 80° | 34.9 | 32.7 | 31.2 | 29.0 | 27.7 | 27.7 | 27.7 | 27.2 | 27.4 | 27.4 | 27.4 |
| 82.5° | 25.9 | 23.9 | 23.1 | 22.3 | 22.1 | 22.2 | 22.2 | 22.3 | 22.1 | 22.5 | 22.3 |
| 85° | 13.4 | 13.6 | 14.0 | 13.9 | 14.0 | 14.0 | 14.5 | 14.2 | 14.5 | 14.0 | 14.5 |
| 87.5° | 7.4 | 8.5 | 9.3 | 10.2 | 11.1 | 11.6 | 12.0 | 12.3 | 12.6 | 12.8 | 13.0 |
| 90° | 12.0 | 15.1 | 18.6 | 22.1 | 25.5 | 29.1 | 30.2 | 31.2 | 32.3 | 33.4 | 34.2 |
| 92.5° | 19.5 | 20.5 | 23.1 | 25.7 | 28.4 | 31.0 | 32.7 | 34.5 | 36.2 | 37.9 | 38.9 |
| 95° | 29.8 | 25.7 | 28.7 | 31.7 | 34.6 | 37.6 | 39.5 | 41.4 | 43.3 | 45.1 | 46.1 |
| 97.5° | 128.8 | 116.6 | 97.2 | 77.9 | 58.4 | 39.0 | 41.2 | 43.4 | 45.5 | 47.6 | 48.8 |
| 100° | 226.4 | 208.0 | 166.1 | 124.0 | 82.0 | 40.0 | 42.1 | 44.3 | 46.5 | 48.6 | 49.9 |
| 102.5° | 284.4 | 263.3 | 217.4 | 171.5 | 125.6 | 79.7 | 73.0 | 66.4 | 59.7 | 53.1 | 50.0 |
| 105° | 373.0 | 362.4 | 338.1 | 313.9 | 289.6 | 265.4 | 217.7 | 170.0 | 122.4 | 74.7 | 51.2 |
| 107.5° | 468.1 | 471.2 | 475.0 | 478.8 | 482.7 | 486.4 | 451.5 | 416.6 | 381.6 | 346.7 | 311.2 |
| 110° | 532.2 | 534.7 | 537.7 | 540.6 | 543.7 | 546.6 | 537.7 | 528.8 | 519.9 | 511.0 | 487.3 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 593.3 | 595.8 | 598.8 | 601.7 | 604.7 | 607.7 | 607.8 | 608.0 | 608.1 | 608.3 | 604.4 |
| 115° | 683.9 | 686.0 | 688.3 | 690.8 | 693.2 | 695.7 | 698.3 | 701.1 | 703.7 | 706.4 | 708.3 |
| 117.5° | 774.4 | 776.0 | 777.2 | 778.5 | 779.8 | 781.0 | 783.2 | 785.3 | 787.4 | 789.6 | 790.8 |
| 120° | 831.4 | 833.0 | 833.8 | 834.6 | 835.5 | 836.2 | 838.4 | 840.6 | 842.7 | 844.9 | 845.9 |
| 122.5° | 885.9 | 887.4 | 888.4 | 889.5 | 890.5 | 891.6 | 893.1 | 894.6 | 896.1 | 897.6 | 898.4 |
| 125° | 963.7 | 965.3 | 966.3 | 967.4 | 968.5 | 969.6 | 970.1 | 970.6 | 971.2 | 971.7 | 972.2 |
| 127.5° | 1038.3 | 1040.0 | 1041.3 | 1042.6 | 1043.9 | 1045.2 | 1046.0 | 1046.9 | 1047.7 | 1048.7 | 1048.8 |
| 130° | 1084.9 | 1086.5 | 1087.5 | 1088.6 | 1089.7 | 1090.7 | 1091.8 | 1092.9 | 1094.0 | 1095.0 | 1095.3 |
| 132.5° | 1129.4 | 1131.0 | 1131.8 | 1132.7 | 1133.5 | 1134.3 | 1135.5 | 1136.5 | 1137.6 | 1138.7 | 1138.9 |
| 135° | 1195.4 | 1196.7 | 1197.8 | 1198.9 | 1200.0 | 1201.1 | 1201.8 | 1202.7 | 1203.4 | 1204.3 | 1204.3 |
| 137.5° | 1255.3 | 1256.6 | 1257.2 | 1257.8 | 1258.4 | 1259.0 | 1260.3 | 1261.6 | 1262.8 | 1264.1 | 1264.5 |
| 140° | 1292.3 | 1293.5 | 1294.4 | 1295.1 | 1296.0 | 1296.8 | 1297.9 | 1298.9 | 1300.0 | 1301.1 | 1301.4 |
| 142.5° | 1328.2 | 1329.5 | 1330.2 | 1331.1 | 1331.8 | 1332.7 | 1333.5 | 1334.4 | 1335.2 | 1336.1 | 1336.1 |
| 145° | 1379.5 | 1380.6 | 1381.2 | 1381.8 | 1382.3 | 1382.8 | 1383.4 | 1383.9 | 1384.4 | 1385.0 | 1385.3 |
| 147.5° | 1424.2 | 1425.0 | 1425.6 | 1426.1 | 1426.6 | 1427.2 | 1427.8 | 1428.2 | 1428.8 | 1429.4 | 1429.0 |
| 150° | 1451.5 | 1452.2 | 1452.7 | 1453.2 | 1453.8 | 1454.3 | 1454.9 | 1455.4 | 1455.9 | 1456.5 | 1456.3 |
| 152.5° | 1475.9 | 1476.3 | 1476.7 | 1477.0 | 1477.2 | 1477.6 | 1478.6 | 1479.5 | 1480.5 | 1481.5 | 1481.4 |
| 155° | 1509.1 | 1509.0 | 1509.3 | 1509.6 | 1509.9 | 1510.0 | 1511.5 | 1512.8 | 1514.1 | 1515.5 | 1515.3 |
| 157.5° | 1539.6 | 1539.5 | 1539.3 | 1539.0 | 1538.7 | 1538.4 | 1540.0 | 1541.7 | 1543.3 | 1544.9 | 1544.6 |
| 160° | 1556.2 | 1556.0 | 1555.8 | 1555.5 | 1555.2 | 1554.9 | 1556.5 | 1558.1 | 1559.8 | 1561.4 | 1561.2 |
| 162.5° | 1571.0 | 1570.6 | 1570.3 | 1570.0 | 1569.7 | 1569.4 | 1571.3 | 1573.1 | 1575.0 | 1576.8 | 1576.9 |
| 165° | 1590.4 | 1590.0 | 1589.7 | 1589.4 | 1589.1 | 1588.8 | 1591.0 | 1593.2 | 1595.3 | 1597.5 | 1597.6 |
| 167.5° | 1604.9 | 1604.4 | 1604.4 | 1604.4 | 1604.4 | 1604.4 | 1606.6 | 1608.7 | 1610.8 | 1613.0 | 1613.0 |
| 170° | 1613.6 | 1613.1 | 1613.1 | 1613.1 | 1613.1 | 1613.1 | 1615.2 | 1617.4 | 1619.6 | 1621.7 | 1621.7 |
| 172.5° | 1618.6 | 1618.1 | 1618.3 | 1618.5 | 1618.7 | 1618.9 | 1621.1 | 1623.2 | 1625.4 | 1627.6 | 1627.4 |
| 175° | 1625.9 | 1625.3 | 1625.6 | 1625.9 | 1626.2 | 1626.5 | 1628.3 | 1630.2 | 1632.1 | 1634.0 | 1633.8 |
| 177.5° | 1628.9 | 1628.5 | 1628.7 | 1628.9 | 1629.1 | 1629.4 | 1631.1 | 1632.8 | 1634.6 | 1636.3 | 1636.1 |
| 180° | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5° | 488.7 | 488.5 | 488.7 | 488.0 | 488.7 | 488.5 | 488.7 | 490.9 | 490.9 | 491.0 | 491.2 |
| 5° | 454.8 | 454.6 | 453.9 | 451.9 | 453.9 | 454.6 | 454.8 | 455.4 | 457.2 | 460.2 | 459.4 |
| 7.5° | 425.1 | 424.8 | 422.9 | 422.9 | 422.9 | 424.8 | 425.1 | 426.9 | 428.9 | 430.7 | 432.9 |
| 10° | 407.6 | 407.7 | 405.1 | 403.6 | 405.1 | 407.7 | 407.6 | 409.1 | 412.0 | 413.5 | 415.0 |
| 12.5° | 390.5 | 389.6 | 387.4 | 385.7 | 387.4 | 389.6 | 390.5 | 391.7 | 395.6 | 397.4 | 400.3 |
| 15° | 368.1 | 365.8 | 360.6 | 361.0 | 360.6 | 365.8 | 368.1 | 367.1 | 371.1 | 373.3 | 374.2 |
| 17.5° | 341.6 | 340.0 | 339.9 | 336.8 | 339.9 | 340.0 | 341.6 | 343.3 | 346.8 | 349.1 | 355.4 |
| 20° | 326.1 | 325.0 | 325.5 | 322.3 | 325.5 | 325.0 | 326.1 | 329.6 | 331.8 | 334.9 | 340.0 |
| 22.5° | 314.0 | 312.8 | 311.0 | 310.1 | 311.0 | 312.8 | 314.0 | 316.4 | 318.8 | 323.1 | 325.8 |
| 25° | 296.2 | 294.5 | 292.8 | 293.8 | 292.8 | 294.5 | 296.2 | 297.6 | 301.9 | 303.9 | 307.8 |
| 27.5° | 278.5 | 277.2 | 275.4 | 275.2 | 275.4 | 277.2 | 278.5 | 279.7 | 282.2 | 285.5 | 290.3 |
| 30° | 267.2 | 265.9 | 265.0 | 263.9 | 265.0 | 265.9 | 267.2 | 268.3 | 270.8 | 274.3 | 277.8 |
| 32.5° | 255.8 | 255.5 | 254.0 | 253.7 | 254.0 | 255.5 | 255.8 | 257.6 | 260.0 | 263.3 | 266.4 |
| 35° | 240.9 | 239.6 | 239.1 | 239.3 | 239.1 | 239.6 | 240.9 | 241.8 | 243.9 | 247.0 | 249.9 |
| 37.5° | 226.7 | 225.0 | 224.1 | 223.4 | 224.1 | 225.0 | 226.7 | 226.9 | 229.0 | 231.1 | 235.0 |
| 40° | 216.5 | 214.8 | 214.3 | 213.9 | 214.3 | 214.8 | 216.5 | 216.3 | 218.7 | 220.3 | 223.8 |
| 42.5° | 205.1 | 204.4 | 204.2 | 203.3 | 204.2 | 204.4 | 205.1 | 206.3 | 207.6 | 209.9 | 212.5 |
| 45° | 189.5 | 189.3 | 187.9 | 188.4 | 187.9 | 189.3 | 189.5 | 190.2 | 192.6 | 194.2 | 196.5 |
| 47.5° | 173.1 | 172.1 | 171.2 | 171.8 | 171.2 | 172.1 | 173.1 | 174.0 | 175.6 | 177.5 | 180.7 |
| 50° | 161.8 | 161.4 | 159.4 | 159.9 | 159.4 | 161.4 | 161.8 | 162.7 | 163.8 | 166.3 | 169.1 |
| 52.5° | 150.6 | 148.9 | 148.2 | 147.9 | 148.2 | 148.9 | 150.6 | 151.5 | 152.8 | 155.5 | 157.7 |
| 55° | 132.0 | 130.0 | 129.1 | 128.7 | 129.1 | 130.0 | 132.0 | 133.6 | 135.3 | 138.4 | 140.5 |
| 57.5° | 113.7 | 113.2 | 112.4 | 112.9 | 112.4 | 113.2 | 113.7 | 116.2 | 118.0 | 120.4 | 123.1 |
| 60° | 103.0 | 103.0 | 103.0 | 102.7 | 103.0 | 103.0 | 103.0 | 105.2 | 106.7 | 109.1 | 112.0 |
| 62.5° | 94.7 | 94.2 | 94.1 | 94.3 | 94.1 | 94.2 | 94.7 | 95.7 | 97.3 | 98.8 | 101.3 |
| 65° | 82.1 | 81.9 | 81.1 | 80.8 | 81.1 | 81.9 | 82.1 | 82.8 | 84.1 | 85.2 | 87.0 |
| 67.5° | 70.2 | 69.5 | 69.2 | 68.9 | 69.2 | 69.5 | 70.2 | 70.8 | 71.6 | 73.0 | 74.0 |
| 70° | 61.3 | 60.8 | 59.5 | 59.8 | 59.5 | 60.8 | 61.3 | 62.4 | 63.2 | 65.0 | 65.9 |
| 72.5° | 51.7 | 51.2 | 50.9 | 50.6 | 50.9 | 51.2 | 51.7 | 52.7 | 53.5 | 55.5 | 56.9 |
| 75° | 40.8 | 40.6 | 40.4 | 41.3 | 40.4 | 40.6 | 40.8 | 41.1 | 41.3 | 41.9 | 42.6 |
| 77.5° | 32.7 | 32.7 | 32.9 | 32.5 | 32.9 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 | 33.2 |
| 80° | 27.4 | 27.4 | 27.2 | 27.2 | 27.2 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.2 |
| 82.5° | 22.0 | 22.1 | 22.3 | 22.0 | 22.3 | 22.1 | 22.0 | 22.3 | 22.5 | 22.1 | 22.3 |
| 85° | 14.5 | 14.2 | 14.7 | 14.5 | 14.7 | 14.2 | 14.5 | 14.5 | 14.0 | 14.5 | 14.2 |
| 87.5° | 13.5 | 13.2 | 13.3 | 13.6 | 13.3 | 13.2 | 13.5 | 13.0 | 12.8 | 12.6 | 12.3 |
| 90° | 34.8 | 35.3 | 35.8 | 36.4 | 35.8 | 35.3 | 34.8 | 34.2 | 33.4 | 32.3 | 31.2 |
| 92.5° | 39.3 | 39.6 | 39.9 | 40.2 | 39.9 | 39.6 | 39.3 | 38.9 | 37.9 | 36.2 | 34.5 |
| 95° | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 45.1 | 43.3 | 41.4 |
| 97.5° | 49.1 | 49.4 | 49.7 | 50.0 | 49.7 | 49.4 | 49.1 | 48.8 | 47.6 | 45.5 | 43.4 |
| 100° | 50.0 | 50.3 | 50.6 | 50.9 | 50.6 | 50.3 | 50.0 | 49.9 | 48.6 | 46.5 | 44.3 |
| 102.5° | 50.4 | 50.9 | 51.4 | 51.8 | 51.4 | 50.9 | 50.4 | 50.0 | 53.1 | 59.7 | 66.4 |
| 105° | 51.7 | 52.2 | 52.8 | 53.3 | 52.8 | 52.2 | 51.7 | 51.2 | 74.7 | 122.4 | 170.0 |
| 107.5° | 275.3 | 239.3 | 203.4 | 167.5 | 203.4 | 239.3 | 275.3 | 311.2 | 346.7 | 381.6 | 416.6 |
| 110° | 448.8 | 410.3 | 371.8 | 333.3 | 371.8 | 410.3 | 448.8 | 487.3 | 511.0 | 519.9 | 528.8 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 596.2 | 588.1 | 579.9 | 571.8 | 579.9 | 588.1 | 596.2 | 604.4 | 608.3 | 608.1 | 608.0 |
| 115° | 709.4 | 710.5 | 711.5 | 712.7 | 711.5 | 710.5 | 709.4 | 708.3 | 706.4 | 703.7 | 701.1 |
| 117.5° | 791.0 | 791.2 | 791.5 | 791.6 | 791.5 | 791.2 | 791.0 | 790.8 | 789.6 | 787.4 | 785.3 |
| 120° | 845.9 | 845.9 | 845.9 | 845.9 | 845.9 | 845.9 | 845.9 | 845.9 | 844.9 | 842.7 | 840.6 |
| 122.5° | 898.6 | 898.8 | 899.1 | 899.3 | 899.1 | 898.8 | 898.6 | 898.4 | 897.6 | 896.1 | 894.6 |
| 125° | 972.8 | 973.4 | 973.8 | 974.4 | 973.8 | 973.4 | 972.8 | 972.2 | 971.7 | 971.2 | 970.6 |
| 127.5° | 1048.3 | 1047.7 | 1047.2 | 1046.6 | 1047.2 | 1047.7 | 1048.3 | 1048.8 | 1048.7 | 1047.7 | 1046.9 |
| 130° | 1094.8 | 1094.3 | 1093.7 | 1093.2 | 1093.7 | 1094.3 | 1094.8 | 1095.3 | 1095.0 | 1094.0 | 1092.9 |
| 132.5° | 1138.1 | 1137.4 | 1136.6 | 1135.9 | 1136.6 | 1137.4 | 1138.1 | 1138.9 | 1138.7 | 1137.6 | 1136.5 |
| 135° | 1203.4 | 1202.7 | 1201.8 | 1201.1 | 1201.8 | 1202.7 | 1203.4 | 1204.3 | 1204.3 | 1203.4 | 1202.7 |
| 137.5° | 1263.9 | 1263.5 | 1262.9 | 1262.3 | 1262.9 | 1263.5 | 1263.9 | 1264.5 | 1264.1 | 1262.8 | 1261.6 |
| 140° | 1300.8 | 1300.2 | 1299.8 | 1299.2 | 1299.8 | 1300.2 | 1300.8 | 1301.4 | 1301.1 | 1300.0 | 1298.9 |
| 142.5° | 1335.4 | 1334.6 | 1333.9 | 1333.1 | 1333.9 | 1334.6 | 1335.4 | 1336.1 | 1336.1 | 1335.2 | 1334.4 |
| 145° | 1385.3 | 1385.3 | 1385.3 | 1385.3 | 1385.3 | 1385.3 | 1385.3 | 1385.3 | 1385.0 | 1384.4 | 1383.9 |
| 147.5° | 1427.8 | 1426.5 | 1425.3 | 1424.0 | 1425.3 | 1426.5 | 1427.8 | 1429.0 | 1429.4 | 1428.8 | 1428.2 |
| 150° | 1455.6 | 1454.7 | 1454.0 | 1453.1 | 1454.0 | 1454.7 | 1455.6 | 1456.3 | 1456.5 | 1455.9 | 1455.4 |
| 152.5° | 1480.1 | 1478.8 | 1477.6 | 1476.4 | 1477.6 | 1478.8 | 1480.1 | 1481.4 | 1481.5 | 1480.5 | 1479.5 |
| 155° | 1513.7 | 1512.1 | 1510.5 | 1508.9 | 1510.5 | 1512.1 | 1513.7 | 1515.3 | 1515.5 | 1514.1 | 1512.8 |
| 157.5° | 1542.6 | 1540.5 | 1538.3 | 1536.3 | 1538.3 | 1540.5 | 1542.6 | 1544.6 | 1544.9 | 1543.3 | 1541.7 |
| 160° | 1559.3 | 1557.5 | 1555.6 | 1553.7 | 1555.6 | 1557.5 | 1559.3 | 1561.2 | 1561.4 | 1559.8 | 1558.1 |
| 162.5° | 1575.2 | 1573.6 | 1571.9 | 1570.2 | 1571.9 | 1573.6 | 1575.2 | 1576.9 | 1576.8 | 1575.0 | 1573.1 |
| 165° | 1595.7 | 1593.8 | 1592.0 | 1590.1 | 1592.0 | 1593.8 | 1595.7 | 1597.6 | 1597.5 | 1595.3 | 1593.2 |
| 167.5° | 1610.8 | 1608.7 | 1606.6 | 1604.4 | 1606.6 | 1608.7 | 1610.8 | 1613.0 | 1613.0 | 1610.8 | 1608.7 |
| 170° | 1619.6 | 1617.4 | 1615.2 | 1613.1 | 1615.2 | 1617.4 | 1619.6 | 1621.7 | 1621.7 | 1619.6 | 1617.4 |
| 172.5° | 1625.0 | 1622.7 | 1620.3 | 1618.0 | 1620.3 | 1622.7 | 1625.0 | 1627.4 | 1627.6 | 1625.4 | 1623.2 |
| 175° | 1631.7 | 1629.6 | 1627.4 | 1625.2 | 1627.4 | 1629.6 | 1631.7 | 1633.8 | 1634.0 | 1632.1 | 1630.2 |
| 177.5° | 1633.9 | 1631.7 | 1629.6 | 1627.4 | 1629.6 | 1631.7 | 1633.9 | 1636.1 | 1636.3 | 1634.6 | 1632.8 |
| 180° | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5° | 489.7 | 492.1 | 494.6 | 496.8 | 500.3 | 501.9 | 504.2 | 505.1 | 507.7 | 511.5 | 514.7 |
| 5° | 459.9 | 463.4 | 468.0 | 471.6 | 477.6 | 482.2 | 487.3 | 492.1 | 497.9 | 506.0 | 513.2 |
| 7.5° | 434.6 | 438.0 | 443.6 | 450.5 | 457.0 | 463.6 | 470.5 | 477.1 | 485.2 | 496.9 | 508.4 |
| 10° | 417.9 | 422.1 | 428.7 | 436.1 | 444.2 | 450.6 | 458.7 | 467.0 | 477.2 | 490.6 | 504.4 |
| 12.5° | 403.5 | 406.6 | 414.2 | 421.3 | 430.6 | 438.7 | 446.6 | 456.4 | 467.9 | 482.1 | 498.8 |
| 15° | 380.6 | 384.9 | 392.4 | 400.3 | 410.0 | 418.6 | 428.9 | 440.7 | 451.9 | 469.5 | 489.7 |
| 17.5° | 357.5 | 364.2 | 372.0 | 380.9 | 388.0 | 399.9 | 411.0 | 423.2 | 437.1 | 455.6 | 477.9 |
| 20° | 342.8 | 348.1 | 355.3 | 368.3 | 377.7 | 386.7 | 397.0 | 412.2 | 424.9 | 446.0 | 469.0 |
| 22.5° | 330.3 | 334.1 | 342.3 | 353.0 | 364.0 | 374.4 | 384.9 | 399.4 | 415.1 | 435.1 | 460.1 |
| 25° | 311.8 | 318.0 | 324.1 | 331.8 | 343.7 | 356.2 | 367.6 | 379.9 | 396.6 | 417.9 | 444.9 |
| 27.5° | 293.8 | 299.4 | 305.4 | 314.8 | 323.9 | 335.5 | 347.5 | 361.6 | 379.5 | 402.0 | 429.4 |
| 30° | 282.2 | 286.3 | 292.1 | 304.2 | 312.3 | 322.3 | 336.4 | 348.9 | 365.6 | 389.6 | 418.6 |
| 32.5° | 270.2 | 275.6 | 281.9 | 291.2 | 301.2 | 310.8 | 323.6 | 337.1 | 354.2 | 377.8 | 407.5 |
| 35° | 253.2 | 259.6 | 265.9 | 272.8 | 282.9 | 292.8 | 303.5 | 318.4 | 335.7 | 358.6 | 387.8 |
| 37.5° | 237.5 | 242.6 | 247.8 | 256.3 | 265.8 | 275.2 | 285.3 | 300.0 | 316.3 | 341.0 | 367.8 |
| 40° | 227.5 | 232.1 | 236.1 | 244.9 | 254.1 | 264.2 | 274.1 | 287.0 | 304.5 | 327.6 | 353.5 |
| 42.5° | 216.6 | 220.8 | 226.2 | 233.5 | 243.4 | 251.8 | 261.7 | 274.0 | 290.5 | 314.0 | 336.7 |
| 45° | 200.3 | 205.1 | 209.7 | 216.5 | 226.4 | 234.8 | 243.6 | 255.1 | 272.1 | 291.4 | 311.6 |
| 47.5° | 183.2 | 188.1 | 193.4 | 200.0 | 208.6 | 217.1 | 225.8 | 236.1 | 251.6 | 270.5 | 284.2 |
| 50° | 172.4 | 176.3 | 181.6 | 188.2 | 196.1 | 205.1 | 213.0 | 224.2 | 238.9 | 253.8 | 265.7 |
| 52.5° | 161.2 | 164.8 | 170.7 | 177.7 | 185.0 | 192.8 | 201.2 | 210.8 | 224.1 | 238.2 | 247.6 |
| 55° | 143.6 | 148.0 | 153.1 | 159.9 | 167.1 | 173.7 | 181.8 | 191.7 | 202.3 | 212.8 | 219.1 |
| 57.5° | 127.2 | 130.9 | 135.2 | 142.1 | 148.5 | 156.3 | 163.6 | 171.3 | 181.1 | 189.0 | 193.1 |
| 60° | 115.3 | 118.6 | 124.0 | 130.3 | 136.1 | 143.0 | 151.3 | 159.0 | 166.5 | 172.9 | 176.1 |
| 62.5° | 104.1 | 107.8 | 112.6 | 118.3 | 124.7 | 131.2 | 138.5 | 145.0 | 151.6 | 157.0 | 159.3 |
| 65° | 89.4 | 92.5 | 96.0 | 101.2 | 106.5 | 113.1 | 118.8 | 125.4 | 130.3 | 133.3 | 135.3 |
| 67.5° | 76.1 | 78.0 | 80.7 | 84.3 | 89.4 | 95.2 | 100.7 | 105.8 | 109.9 | 112.0 | 113.8 |
| 70° | 67.4 | 68.7 | 70.7 | 74.2 | 78.1 | 83.2 | 89.0 | 92.7 | 96.1 | 97.9 | 99.7 |
| 72.5° | 58.8 | 60.5 | 62.3 | 65.1 | 68.3 | 72.0 | 76.2 | 80.7 | 82.7 | 84.7 | 85.8 |
| 75° | 44.6 | 47.0 | 49.4 | 51.2 | 53.3 | 56.2 | 59.9 | 62.8 | 63.9 | 65.7 | 65.9 |
| 77.5° | 33.6 | 34.2 | 35.9 | 38.1 | 40.0 | 42.0 | 44.4 | 46.9 | 47.5 | 48.4 | 49.0 |
| 80° | 27.7 | 27.7 | 27.7 | 29.0 | 31.2 | 32.7 | 34.9 | 36.2 | 37.1 | 37.3 | 37.5 |
| 82.5° | 22.2 | 22.2 | 22.1 | 22.3 | 23.1 | 23.9 | 25.9 | 27.4 | 28.2 | 28.0 | 27.5 |
| 85° | 14.5 | 14.0 | 14.0 | 13.9 | 14.0 | 13.6 | 13.4 | 14.2 | 15.6 | 15.6 | 15.2 |
| 87.5° | 12.0 | 11.6 | 11.1 | 10.2 | 9.3 | 8.5 | 7.4 | 7.0 | 6.4 | 6.6 | 5.8 |
| 90° | 30.2 | 29.1 | 25.5 | 22.1 | 18.6 | 15.1 | 12.0 | 9.3 | 6.6 | 3.9 | 1.2 |
| 92.5° | 32.7 | 31.0 | 28.4 | 25.7 | 23.1 | 20.5 | 19.5 | 20.3 | 21.0 | 21.8 | 22.5 |
| 95° | 39.5 | 37.6 | 34.6 | 31.7 | 28.7 | 25.7 | 29.8 | 40.8 | 51.8 | 62.9 | 73.9 |
| 97.5° | 41.2 | 39.0 | 58.4 | 77.9 | 97.2 | 116.6 | 128.8 | 133.7 | 138.6 | 143.6 | 148.5 |
| 100° | 42.1 | 40.0 | 82.0 | 124.0 | 166.1 | 208.0 | 226.4 | 220.9 | 215.6 | 210.2 | 204.8 |
| 102.5° | 73.0 | 79.7 | 125.6 | 171.5 | 217.4 | 263.3 | 284.4 | 280.4 | 276.5 | 272.7 | 268.8 |
| 105° | 217.7 | 265.4 | 289.6 | 313.9 | 338.1 | 362.4 | 373.0 | 370.0 | 367.1 | 364.1 | 361.2 |
| 107.5° | 451.5 | 486.4 | 482.7 | 478.8 | 475.0 | 471.2 | 468.1 | 465.7 | 463.4 | 461.0 | 458.6 |
| 110° | 537.7 | 546.6 | 543.7 | 540.6 | 537.7 | 534.7 | 532.2 | 530.0 | 527.8 | 525.8 | 523.6 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 607.8 | 607.7 | 604.7 | 601.7 | 598.8 | 595.8 | 593.3 | 591.4 | 589.5 | 587.6 | 585.6 |
| 115° | 698.3 | 695.7 | 693.2 | 690.8 | 688.3 | 686.0 | 683.9 | 682.3 | 680.7 | 679.1 | 677.5 |
| 117.5° | 783.2 | 781.0 | 779.8 | 778.5 | 777.2 | 776.0 | 774.4 | 772.4 | 770.4 | 768.5 | 766.5 |
| 120° | 838.4 | 836.2 | 835.5 | 834.6 | 833.8 | 833.0 | 831.4 | 829.0 | 826.5 | 824.2 | 821.7 |
| 122.5° | 893.1 | 891.6 | 890.5 | 889.5 | 888.4 | 887.4 | 885.9 | 883.9 | 881.9 | 880.0 | 878.0 |
| 125° | 970.1 | 969.6 | 968.5 | 967.4 | 966.3 | 965.3 | 963.7 | 961.5 | 959.3 | 957.2 | 955.0 |
| 127.5° | 1046.0 | 1045.2 | 1043.9 | 1042.6 | 1041.3 | 1040.0 | 1038.3 | 1036.1 | 1034.0 | 1031.8 | 1029.6 |
| 130° | 1091.8 | 1090.7 | 1089.7 | 1088.6 | 1087.5 | 1086.5 | 1084.9 | 1082.7 | 1080.5 | 1078.4 | 1076.2 |
| 132.5° | 1135.5 | 1134.3 | 1133.5 | 1132.7 | 1131.8 | 1131.0 | 1129.4 | 1127.3 | 1125.1 | 1122.9 | 1120.8 |
| 135° | 1201.8 | 1201.1 | 1200.0 | 1198.9 | 1197.8 | 1196.7 | 1195.4 | 1193.7 | 1192.1 | 1190.5 | 1188.9 |
| 137.5° | 1260.3 | 1259.0 | 1258.4 | 1257.8 | 1257.2 | 1256.6 | 1255.3 | 1253.2 | 1251.2 | 1249.2 | 1247.1 |
| 140° | 1297.9 | 1296.8 | 1296.0 | 1295.1 | 1294.4 | 1293.5 | 1292.3 | 1290.7 | 1289.1 | 1287.5 | 1285.9 |
| 142.5° | 1333.5 | 1332.7 | 1331.8 | 1331.1 | 1330.2 | 1329.5 | 1328.2 | 1326.6 | 1325.0 | 1323.3 | 1321.7 |
| 145° | 1383.4 | 1382.8 | 1382.3 | 1381.8 | 1381.2 | 1380.6 | 1379.5 | 1377.6 | 1375.7 | 1373.9 | 1372.0 |
| 147.5° | 1427.8 | 1427.2 | 1426.6 | 1426.1 | 1425.6 | 1425.0 | 1424.2 | 1422.9 | 1421.6 | 1420.4 | 1419.2 |
| 150° | 1454.9 | 1454.3 | 1453.8 | 1453.2 | 1452.7 | 1452.2 | 1451.5 | 1450.7 | 1449.9 | 1449.1 | 1448.3 |
| 152.5° | 1478.6 | 1477.6 | 1477.2 | 1477.0 | 1476.7 | 1476.3 | 1475.9 | 1475.6 | 1475.2 | 1474.8 | 1474.4 |
| 155° | 1511.5 | 1510.0 | 1509.9 | 1509.6 | 1509.3 | 1509.0 | 1509.1 | 1509.7 | 1510.2 | 1510.8 | 1511.3 |
| 157.5° | 1540.0 | 1538.4 | 1538.7 | 1539.0 | 1539.3 | 1539.5 | 1539.6 | 1539.7 | 1539.8 | 1539.8 | 1539.9 |
| 160° | 1556.5 | 1554.9 | 1555.2 | 1555.5 | 1555.8 | 1556.0 | 1556.2 | 1556.5 | 1556.8 | 1557.1 | 1557.4 |
| 162.5° | 1571.3 | 1569.4 | 1569.7 | 1570.0 | 1570.3 | 1570.6 | 1571.0 | 1571.7 | 1572.4 | 1573.1 | 1573.9 |
| 165° | 1591.0 | 1588.8 | 1589.1 | 1589.4 | 1589.7 | 1590.0 | 1590.4 | 1591.3 | 1592.0 | 1592.9 | 1593.7 |
| 167.5° | 1606.6 | 1604.4 | 1604.4 | 1604.4 | 1604.4 | 1604.4 | 1604.9 | 1606.0 | 1607.0 | 1608.2 | 1609.2 |
| 170° | 1615.2 | 1613.1 | 1613.1 | 1613.1 | 1613.1 | 1613.1 | 1613.6 | 1614.8 | 1615.8 | 1616.8 | 1618.0 |
| 172.5° | 1621.1 | 1618.9 | 1618.7 | 1618.5 | 1618.3 | 1618.1 | 1618.6 | 1619.9 | 1621.2 | 1622.5 | 1623.8 |
| 175° | 1628.3 | 1626.5 | 1626.2 | 1625.9 | 1625.6 | 1625.3 | 1625.9 | 1627.2 | 1628.6 | 1629.9 | 1631.3 |
| 177.5° | 1631.1 | 1629.4 | 1629.1 | 1628.9 | 1628.7 | 1628.5 | 1628.9 | 1630.0 | 1631.1 | 1632.1 | 1633.2 |
| 180° | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5° | 515.8 | 517.7 | 520.2 | 523.9 | 526.7 | 529.1 | 529.6 | 530.4 | 532.2 | 535.1 | 537.3 |
| 5° | 519.2 | 524.1 | 532.3 | 540.2 | 548.7 | 555.8 | 562.4 | 567.0 | 571.4 | 580.6 | 588.1 |
| 7.5° | 518.0 | 529.3 | 542.1 | 556.2 | 570.6 | 584.5 | 597.4 | 609.0 | 620.5 | 634.0 | 649.2 |
| 10° | 517.4 | 530.6 | 547.7 | 565.9 | 585.9 | 605.4 | 624.3 | 639.0 | 656.1 | 671.6 | 691.1 |
| 12.5° | 514.1 | 533.0 | 553.5 | 576.7 | 601.3 | 623.9 | 648.8 | 669.0 | 688.6 | 710.9 | 733.6 |
| 15° | 509.6 | 532.7 | 558.6 | 589.6 | 627.0 | 654.1 | 679.7 | 715.0 | 739.1 | 763.3 | 795.8 |
| 17.5° | 501.7 | 529.9 | 562.2 | 602.5 | 633.6 | 670.2 | 708.5 | 736.5 | 769.0 | 803.0 | 832.5 |
| 20° | 495.4 | 528.1 | 564.4 | 603.9 | 643.7 | 683.3 | 720.5 | 753.8 | 787.5 | 826.8 | 850.9 |
| 22.5° | 489.1 | 521.4 | 559.1 | 601.1 | 643.8 | 685.7 | 727.6 | 766.9 | 804.6 | 844.3 | 875.2 |
| 25° | 475.6 | 514.1 | 554.9 | 597.8 | 639.9 | 686.0 | 736.0 | 779.8 | 826.5 | 867.4 | 896.6 |
| 27.5° | 462.0 | 497.3 | 537.9 | 581.4 | 628.2 | 682.7 | 741.6 | 791.3 | 838.1 | 867.4 | 876.6 |
| 30° | 449.7 | 487.0 | 524.4 | 568.5 | 619.3 | 680.0 | 742.6 | 799.6 | 837.9 | 850.7 | 841.2 |
| 32.5° | 437.2 | 471.1 | 508.0 | 553.3 | 607.1 | 673.5 | 744.0 | 794.7 | 817.7 | 808.0 | 769.6 |
| 35° | 415.3 | 445.7 | 481.5 | 526.8 | 588.7 | 670.0 | 738.3 | 772.5 | 766.9 | 711.9 | 639.4 |
| 37.5° | 391.7 | 416.6 | 449.7 | 497.0 | 569.7 | 655.7 | 713.3 | 718.4 | 668.9 | 584.7 | 501.0 |
| 40° | 373.1 | 395.5 | 429.5 | 478.9 | 554.9 | 641.7 | 688.2 | 667.8 | 591.2 | 497.4 | 427.5 |
| 42.5° | 355.0 | 373.9 | 406.7 | 460.0 | 540.8 | 622.5 | 650.8 | 606.3 | 517.9 | 429.2 | 365.7 |
| 45° | 324.3 | 342.1 | 375.0 | 429.7 | 512.1 | 585.9 | 582.1 | 504.8 | 416.3 | 345.0 | 292.3 |
| 47.5° | 295.3 | 310.9 | 341.8 | 397.6 | 478.3 | 530.9 | 496.1 | 413.8 | 338.7 | 281.4 | 243.8 |
| 50° | 274.8 | 290.1 | 320.8 | 376.0 | 451.3 | 489.7 | 439.9 | 360.6 | 291.8 | 244.4 | 214.5 |
| 52.5° | 255.1 | 270.0 | 298.1 | 351.9 | 418.6 | 441.6 | 388.0 | 314.5 | 257.2 | 216.3 | 190.7 |
| 55° | 227.5 | 238.9 | 264.2 | 315.6 | 365.4 | 370.7 | 316.4 | 255.0 | 207.7 | 179.2 | 161.6 |
| 57.5° | 199.4 | 209.2 | 234.2 | 275.1 | 310.1 | 307.4 | 256.0 | 202.7 | 171.0 | 149.8 | 137.0 |
| 60° | 181.2 | 190.9 | 212.8 | 247.9 | 274.3 | 265.0 | 217.8 | 175.0 | 147.8 | 132.2 | 122.1 |
| 62.5° | 164.1 | 171.6 | 192.3 | 217.9 | 236.9 | 226.4 | 186.2 | 150.8 | 129.1 | 116.0 | 108.0 |
| 65° | 139.4 | 145.6 | 162.0 | 175.5 | 186.0 | 175.9 | 142.5 | 117.9 | 102.4 | 93.1 | 87.7 |
| 67.5° | 116.0 | 119.9 | 130.3 | 135.2 | 142.6 | 131.5 | 107.2 | 90.7 | 81.8 | 74.1 | 70.2 |
| 70° | 101.2 | 104.1 | 109.6 | 113.6 | 115.5 | 104.1 | 86.1 | 74.0 | 66.5 | 61.1 | 58.6 |
| 72.5° | 86.4 | 89.0 | 90.1 | 93.3 | 92.3 | 81.6 | 69.2 | 59.6 | 54.2 | 50.5 | 47.4 |
| 75° | 66.1 | 67.2 | 66.1 | 64.8 | 61.9 | 54.5 | 45.9 | 41.1 | 37.1 | 35.3 | 34.2 |
| 77.5° | 48.2 | 47.8 | 46.4 | 44.3 | 39.4 | 34.7 | 30.1 | 28.5 | 26.8 | 25.8 | 25.4 |
| 80° | 37.1 | 36.2 | 34.9 | 31.6 | 27.4 | 24.1 | 23.1 | 22.0 | 21.3 | 20.2 | 20.0 |
| 82.5° | 27.6 | 27.1 | 24.9 | 22.1 | 19.2 | 17.6 | 16.8 | 16.3 | 15.6 | 15.1 | 15.1 |
| 85° | 14.7 | 14.0 | 11.6 | 10.1 | 9.7 | 9.2 | 9.0 | 9.0 | 8.1 | 7.9 | 7.9 |
| 87.5° | 5.6 | 5.0 | 5.4 | 5.4 | 6.0 | 6.3 | 7.3 | 7.5 | 8.1 | 8.5 | 8.4 |
| 90° | 3.9 | 6.6 | 9.3 | 12.0 | 15.1 | 18.6 | 22.1 | 25.5 | 29.1 | 30.2 | 31.2 |
| 92.5° | 21.8 | 21.0 | 20.3 | 19.5 | 20.5 | 23.1 | 25.7 | 28.4 | 31.0 | 32.7 | 34.5 |
| 95° | 62.9 | 51.8 | 40.8 | 29.8 | 25.7 | 28.7 | 31.7 | 34.6 | 37.6 | 39.5 | 41.4 |
| 97.5° | 143.6 | 138.6 | 133.7 | 128.8 | 116.6 | 97.2 | 77.9 | 58.4 | 39.0 | 41.2 | 43.4 |
| 100° | 210.2 | 215.6 | 220.9 | 226.4 | 208.0 | 166.1 | 124.0 | 82.0 | 40.0 | 42.1 | 44.3 |
| 102.5° | 272.7 | 276.5 | 280.4 | 284.4 | 263.3 | 217.4 | 171.5 | 125.6 | 79.7 | 73.0 | 66.4 |
| 105° | 364.1 | 367.1 | 370.0 | 373.0 | 362.4 | 338.1 | 313.9 | 289.6 | 265.4 | 217.7 | 170.0 |
| 107.5° | 461.0 | 463.4 | 465.7 | 468.1 | 471.2 | 475.0 | 478.8 | 482.7 | 486.4 | 451.5 | 416.6 |
| 110° | 525.8 | 527.8 | 530.0 | 532.2 | 534.7 | 537.7 | 540.6 | 543.7 | 546.6 | 537.7 | 528.8 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 587.6 | 589.5 | 591.4 | 593.3 | 595.8 | 598.8 | 601.7 | 604.7 | 607.7 | 607.8 | 608.0 |
| 115° | 679.1 | 680.7 | 682.3 | 683.9 | 686.0 | 688.3 | 690.8 | 693.2 | 695.7 | 698.3 | 701.1 |
| 117.5° | 768.5 | 770.4 | 772.4 | 774.4 | 776.0 | 777.2 | 778.5 | 779.8 | 781.0 | 783.2 | 785.3 |
| 120° | 824.2 | 826.5 | 829.0 | 831.4 | 833.0 | 833.8 | 834.6 | 835.5 | 836.2 | 838.4 | 840.6 |
| 122.5° | 880.0 | 881.9 | 883.9 | 885.9 | 887.4 | 888.4 | 889.5 | 890.5 | 891.6 | 893.1 | 894.6 |
| 125° | 957.2 | 959.3 | 961.5 | 963.7 | 965.3 | 966.3 | 967.4 | 968.5 | 969.6 | 970.1 | 970.6 |
| 127.5° | 1031.8 | 1034.0 | 1036.1 | 1038.3 | 1040.0 | 1041.3 | 1042.6 | 1043.9 | 1045.2 | 1046.0 | 1046.9 |
| 130° | 1078.4 | 1080.5 | 1082.7 | 1084.9 | 1086.5 | 1087.5 | 1088.6 | 1089.7 | 1090.7 | 1091.8 | 1092.9 |
| 132.5° | 1122.9 | 1125.1 | 1127.3 | 1129.4 | 1131.0 | 1131.8 | 1132.7 | 1133.5 | 1134.3 | 1135.5 | 1136.5 |
| 135° | 1190.5 | 1192.1 | 1193.7 | 1195.4 | 1196.7 | 1197.8 | 1198.9 | 1200.0 | 1201.1 | 1201.8 | 1202.7 |
| 137.5° | 1249.2 | 1251.2 | 1253.2 | 1255.3 | 1256.6 | 1257.2 | 1257.8 | 1258.4 | 1259.0 | 1260.3 | 1261.6 |
| 140° | 1287.5 | 1289.1 | 1290.7 | 1292.3 | 1293.5 | 1294.4 | 1295.1 | 1296.0 | 1296.8 | 1297.9 | 1298.9 |
| 142.5° | 1323.3 | 1325.0 | 1326.6 | 1328.2 | 1329.5 | 1330.2 | 1331.1 | 1331.8 | 1332.7 | 1333.5 | 1334.4 |
| 145° | 1373.9 | 1375.7 | 1377.6 | 1379.5 | 1380.6 | 1381.2 | 1381.8 | 1382.3 | 1382.8 | 1383.4 | 1383.9 |
| 147.5° | 1420.4 | 1421.6 | 1422.9 | 1424.2 | 1425.0 | 1425.6 | 1426.1 | 1426.6 | 1427.2 | 1427.8 | 1428.2 |
| 150° | 1449.1 | 1449.9 | 1450.7 | 1451.5 | 1452.2 | 1452.7 | 1453.2 | 1453.8 | 1454.3 | 1454.9 | 1455.4 |
| 152.5° | 1474.8 | 1475.2 | 1475.6 | 1475.9 | 1476.3 | 1476.7 | 1477.0 | 1477.2 | 1477.6 | 1478.6 | 1479.5 |
| 155° | 1510.8 | 1510.2 | 1509.7 | 1509.1 | 1509.0 | 1509.3 | 1509.6 | 1509.9 | 1510.0 | 1511.5 | 1512.8 |
| 157.5° | 1539.8 | 1539.8 | 1539.7 | 1539.6 | 1539.5 | 1539.3 | 1539.0 | 1538.7 | 1538.4 | 1540.0 | 1541.7 |
| 160° | 1557.1 | 1556.8 | 1556.5 | 1556.2 | 1556.0 | 1555.8 | 1555.5 | 1555.2 | 1554.9 | 1556.5 | 1558.1 |
| 162.5° | 1573.1 | 1572.4 | 1571.7 | 1571.0 | 1570.6 | 1570.3 | 1570.0 | 1569.7 | 1569.4 | 1571.3 | 1573.1 |
| 165° | 1592.9 | 1592.0 | 1591.3 | 1590.4 | 1590.0 | 1589.7 | 1589.4 | 1589.1 | 1588.8 | 1591.0 | 1593.2 |
| 167.5° | 1608.2 | 1607.0 | 1606.0 | 1604.9 | 1604.4 | 1604.4 | 1604.4 | 1604.4 | 1604.4 | 1606.6 | 1608.7 |
| 170° | 1616.8 | 1615.8 | 1614.8 | 1613.6 | 1613.1 | 1613.1 | 1613.1 | 1613.1 | 1613.1 | 1615.2 | 1617.4 |
| 172.5° | 1622.5 | 1621.2 | 1619.9 | 1618.6 | 1618.1 | 1618.3 | 1618.5 | 1618.7 | 1618.9 | 1621.1 | 1623.2 |
| 175° | 1629.9 | 1628.6 | 1627.2 | 1625.9 | 1625.3 | 1625.6 | 1625.9 | 1626.2 | 1626.5 | 1628.3 | 1630.2 |
| 177.5° | 1632.1 | 1631.1 | 1630.0 | 1628.9 | 1628.5 | 1628.7 | 1628.9 | 1629.1 | 1629.4 | 1631.1 | 1632.8 |
| 180° | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5° | 541.1 | 541.1 | 541.8 | 544.4 | 544.8 | 547.1 | 546.4 |
| 5° | 594.7 | 598.8 | 600.4 | 607.0 | 610.9 | 612.7 | 609.2 |
| 7.5° | 660.2 | 671.9 | 677.5 | 684.5 | 690.5 | 692.4 | 687.6 |
| 10° | 707.9 | 720.3 | 730.6 | 737.0 | 742.9 | 746.9 | 751.9 |
| 12.5° | 754.1 | 769.3 | 779.1 | 788.1 | 794.2 | 799.2 | 800.0 |
| 15° | 804.4 | 827.2 | 844.5 | 857.3 | 863.7 | 867.0 | 865.6 |
| 17.5° | 855.0 | 876.2 | 888.5 | 901.5 | 910.3 | 910.8 | 911.1 |
| 20° | 883.6 | 904.3 | 918.6 | 928.2 | 938.1 | 937.6 | 939.9 |
| 22.5° | 902.8 | 919.1 | 930.0 | 937.0 | 940.4 | 938.7 | 939.1 |
| 25° | 911.7 | 916.6 | 914.6 | 903.4 | 900.5 | 890.2 | 892.0 |
| 27.5° | 865.5 | 842.7 | 819.1 | 788.7 | 764.7 | 745.6 | 746.5 |
| 30° | 802.9 | 762.4 | 716.3 | 677.7 | 643.0 | 633.3 | 612.7 |
| 32.5° | 715.2 | 654.6 | 600.6 | 564.5 | 534.8 | 526.7 | 508.7 |
| 35° | 566.6 | 507.7 | 452.1 | 418.8 | 405.6 | 387.1 | 386.9 |
| 37.5° | 440.4 | 388.5 | 359.2 | 334.1 | 321.0 | 309.8 | 308.8 |
| 40° | 370.4 | 330.1 | 307.8 | 289.8 | 276.9 | 268.5 | 266.6 |
| 42.5° | 321.6 | 289.0 | 268.2 | 257.0 | 247.0 | 242.7 | 239.5 |
| 45° | 262.6 | 240.6 | 226.2 | 216.1 | 211.5 | 208.2 | 206.4 |
| 47.5° | 219.7 | 205.0 | 195.1 | 188.3 | 184.6 | 181.2 | 182.1 |
| 50° | 196.3 | 184.3 | 177.0 | 170.6 | 167.8 | 165.3 | 165.6 |
| 52.5° | 177.5 | 166.6 | 160.8 | 156.2 | 152.7 | 150.9 | 150.1 |
| 55° | 150.6 | 143.8 | 137.9 | 134.6 | 132.6 | 130.3 | 129.6 |
| 57.5° | 128.5 | 123.2 | 118.4 | 114.7 | 114.1 | 111.9 | 112.2 |
| 60° | 113.8 | 109.3 | 105.4 | 103.4 | 101.9 | 99.9 | 100.6 |
| 62.5° | 101.6 | 97.9 | 94.3 | 92.7 | 91.1 | 89.7 | 90.0 |
| 65° | 83.2 | 79.7 | 77.5 | 76.6 | 76.0 | 75.3 | 74.6 |
| 67.5° | 66.4 | 64.2 | 62.8 | 60.9 | 59.6 | 59.4 | 58.7 |
| 70° | 55.8 | 52.9 | 50.5 | 48.1 | 47.4 | 47.2 | 47.4 |
| 72.5° | 44.7 | 42.9 | 42.2 | 41.1 | 40.9 | 40.3 | 40.7 |
| 75° | 33.6 | 32.9 | 32.5 | 31.6 | 31.6 | 31.6 | 31.6 |
| 77.5° | 24.8 | 24.4 | 24.1 | 23.9 | 23.8 | 23.4 | 23.4 |
| 80° | 19.3 | 19.1 | 18.7 | 18.7 | 18.5 | 18.7 | 18.5 |
| 82.5° | 14.6 | 14.5 | 14.1 | 14.1 | 13.9 | 13.8 | 13.9 |
| 85° | 7.4 | 7.3 | 7.7 | 7.3 | 7.4 | 7.1 | 7.4 |
| 87.5° | 8.6 | 8.8 | 8.8 | 8.9 | 8.9 | 9.2 | 9.0 |
| 90° | 32.3 | 33.4 | 34.2 | 34.8 | 35.3 | 35.8 | 36.4 |
| 92.5° | 36.2 | 37.9 | 38.9 | 39.3 | 39.6 | 39.9 | 40.2 |
| 95° | 43.3 | 45.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| 97.5° | 45.5 | 47.6 | 48.8 | 49.1 | 49.4 | 49.7 | 50.0 |
| 100° | 46.5 | 48.6 | 49.9 | 50.0 | 50.3 | 50.6 | 50.9 |
| 102.5° | 59.7 | 53.1 | 50.0 | 50.4 | 50.9 | 51.4 | 51.8 |
| 105° | 122.4 | 74.7 | 51.2 | 51.7 | 52.2 | 52.8 | 53.3 |
| 107.5° | 381.6 | 346.7 | 311.2 | 275.3 | 239.3 | 203.4 | 167.5 |
| 110° | 519.9 | 511.0 | 487.3 | 448.8 | 410.3 | 371.8 | 333.3 |



TEST NUMBER: P332402-830

CATALOG NUMBER: S123RDIW-S340D1320U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 608.1 | 608.3 | 604.4 | 596.2 | 588.1 | 579.9 | 571.8 |
| 115° | 703.7 | 706.4 | 708.3 | 709.4 | 710.5 | 711.5 | 712.7 |
| 117.5° | 787.4 | 789.6 | 790.8 | 791.0 | 791.2 | 791.5 | 791.6 |
| 120° | 842.7 | 844.9 | 845.9 | 845.9 | 845.9 | 845.9 | 845.9 |
| 122.5° | 896.1 | 897.6 | 898.4 | 898.6 | 898.8 | 899.1 | 899.3 |
| 125° | 971.2 | 971.7 | 972.2 | 972.8 | 973.4 | 973.8 | 974.4 |
| 127.5° | 1047.7 | 1048.7 | 1048.8 | 1048.3 | 1047.7 | 1047.2 | 1046.6 |
| 130° | 1094.0 | 1095.0 | 1095.3 | 1094.8 | 1094.3 | 1093.7 | 1093.2 |
| 132.5° | 1137.6 | 1138.7 | 1138.9 | 1138.1 | 1137.4 | 1136.6 | 1135.9 |
| 135° | 1203.4 | 1204.3 | 1204.3 | 1203.4 | 1202.7 | 1201.8 | 1201.1 |
| 137.5° | 1262.8 | 1264.1 | 1264.5 | 1263.9 | 1263.5 | 1262.9 | 1262.3 |
| 140° | 1300.0 | 1301.1 | 1301.4 | 1300.8 | 1300.2 | 1299.8 | 1299.2 |
| 142.5° | 1335.2 | 1336.1 | 1336.1 | 1335.4 | 1334.6 | 1333.9 | 1333.1 |
| 145° | 1384.4 | 1385.0 | 1385.3 | 1385.3 | 1385.3 | 1385.3 | 1385.3 |
| 147.5° | 1428.8 | 1429.4 | 1429.0 | 1427.8 | 1426.5 | 1425.3 | 1424.0 |
| 150° | 1455.9 | 1456.5 | 1456.3 | 1455.6 | 1454.7 | 1454.0 | 1453.1 |
| 152.5° | 1480.5 | 1481.5 | 1481.4 | 1480.1 | 1478.8 | 1477.6 | 1476.4 |
| 155° | 1514.1 | 1515.5 | 1515.3 | 1513.7 | 1512.1 | 1510.5 | 1508.9 |
| 157.5° | 1543.3 | 1544.9 | 1544.6 | 1542.6 | 1540.5 | 1538.3 | 1536.3 |
| 160° | 1559.8 | 1561.4 | 1561.2 | 1559.3 | 1557.5 | 1555.6 | 1553.7 |
| 162.5° | 1575.0 | 1576.8 | 1576.9 | 1575.2 | 1573.6 | 1571.9 | 1570.2 |
| 165° | 1595.3 | 1597.5 | 1597.6 | 1595.7 | 1593.8 | 1592.0 | 1590.1 |
| 167.5° | 1610.8 | 1613.0 | 1613.0 | 1610.8 | 1608.7 | 1606.6 | 1604.4 |
| 170° | 1619.6 | 1621.7 | 1621.7 | 1619.6 | 1617.4 | 1615.2 | 1613.1 |
| 172.5° | 1625.4 | 1627.6 | 1627.4 | 1625.0 | 1622.7 | 1620.3 | 1618.0 |
| 175° | 1632.1 | 1634.0 | 1633.8 | 1631.7 | 1629.6 | 1627.4 | 1625.2 |
| 177.5° | 1634.6 | 1636.3 | 1636.1 | 1633.9 | 1631.7 | 1629.6 | 1627.4 |
| 180° | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 | 1631.3 |

(END OF REPORT)