

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: P332470-840

Luminaire Tested: **S123RDIW-S1165D460U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332470-840
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-S1165D460U840-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 460 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6480.5 lumens
Efficiency: N/A
Efficacy: 123.7 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-Direct

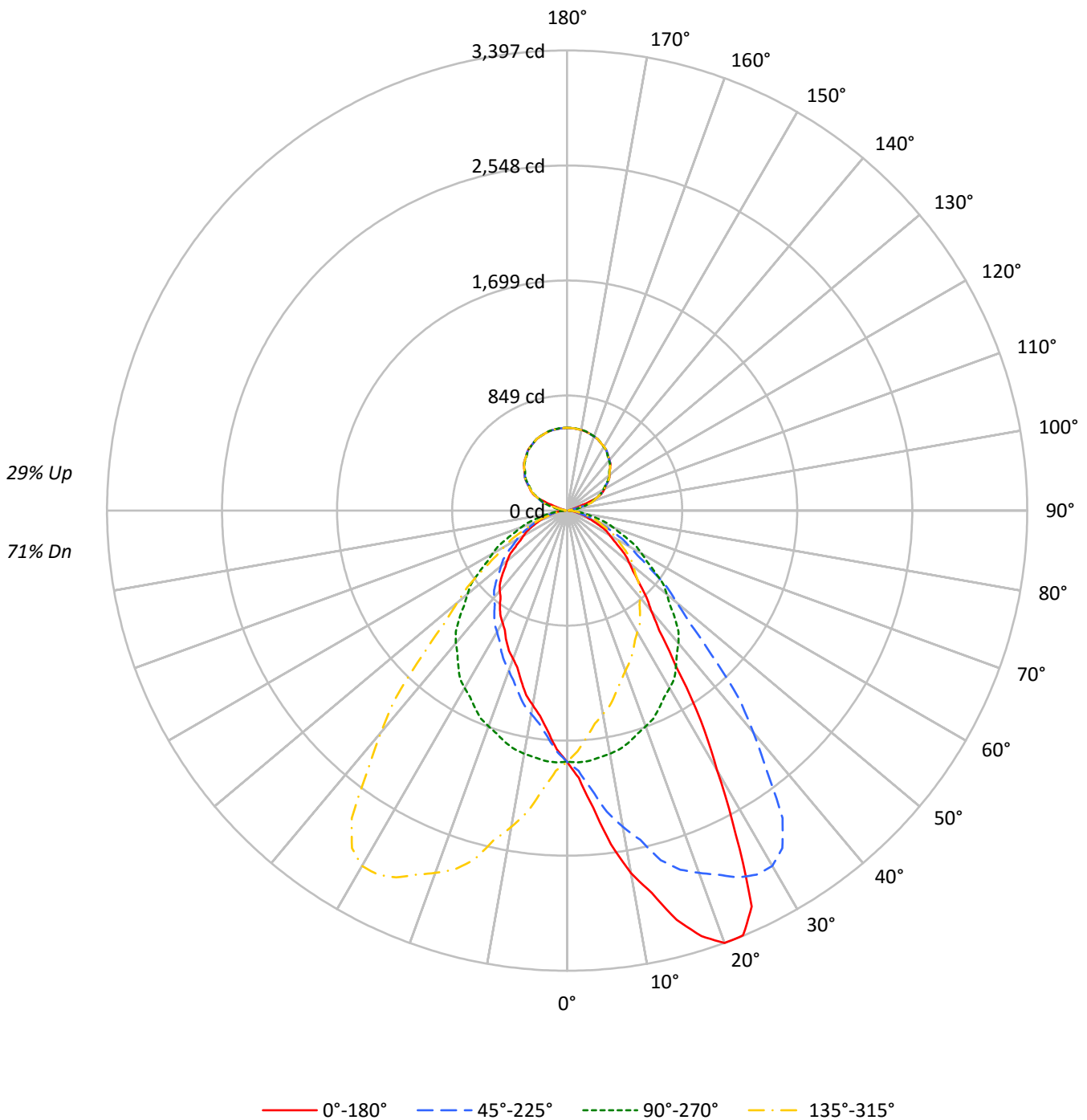
Input Watts (W): 52.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 | 71 |
| 1 | 103 | 99 | 96 | 92 | 98 | 94 | 91 | 88 | 85 | 82 | 80 | 76 | 74 | 73 | 68 | 67 | 66 | 62 |
| 2 | 95 | 88 | 82 | 77 | 90 | 83 | 78 | 74 | 75 | 71 | 68 | 68 | 65 | 62 | 61 | 59 | 57 | 53 |
| 3 | 87 | 78 | 71 | 65 | 82 | 74 | 68 | 63 | 67 | 62 | 58 | 61 | 57 | 53 | 55 | 52 | 49 | 46 |
| 4 | 80 | 70 | 62 | 56 | 76 | 66 | 59 | 54 | 60 | 55 | 50 | 55 | 50 | 47 | 50 | 46 | 43 | 40 |
| 5 | 74 | 62 | 54 | 49 | 70 | 60 | 52 | 47 | 54 | 48 | 44 | 50 | 45 | 41 | 45 | 41 | 38 | 35 |
| 6 | 68 | 56 | 48 | 43 | 65 | 54 | 47 | 41 | 49 | 43 | 39 | 45 | 40 | 36 | 41 | 37 | 34 | 31 |
| 7 | 64 | 51 | 43 | 38 | 60 | 49 | 42 | 37 | 45 | 39 | 35 | 41 | 36 | 32 | 38 | 34 | 30 | 28 |
| 8 | 59 | 47 | 39 | 34 | 56 | 45 | 38 | 33 | 41 | 35 | 31 | 38 | 33 | 29 | 35 | 31 | 27 | 25 |
| 9 | 55 | 43 | 36 | 31 | 53 | 41 | 34 | 30 | 38 | 32 | 28 | 35 | 30 | 27 | 32 | 28 | 25 | 23 |
| 10 | 52 | 40 | 32 | 28 | 49 | 38 | 31 | 27 | 35 | 30 | 26 | 33 | 28 | 24 | 30 | 26 | 23 | 21 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 19957 | 19957 | 19957 | 19957 |
| 5° | 23791 | 20042 | 17650 | 20042 |
| 10° | 29704 | 19928 | 15946 | 19928 |
| 15° | 34867 | 19724 | 14540 | 19724 |
| 20° | 38913 | 19420 | 13347 | 19420 |
| 25° | 38292 | 19099 | 12613 | 19099 |
| 30° | 27524 | 18804 | 11857 | 18804 |
| 35° | 18378 | 18419 | 11369 | 18419 |
| 40° | 13540 | 17956 | 10863 | 17956 |
| 45° | 11357 | 17145 | 10368 | 17145 |
| 50° | 10021 | 16083 | 9676 | 16083 |
| 55° | 8788 | 14865 | 8728 | 14865 |
| 60° | 7828 | 13702 | 7995 | 13702 |
| 65° | 6872 | 12455 | 7440 | 12455 |
| 70° | 5397 | 11339 | 6795 | 11339 |
| 75° | 4754 | 9902 | 6209 | 9902 |
| 80° | 4135 | 8412 | 6106 | 8412 |
| 85° | 3335 | 6756 | 6472 | 6756 |



TEST NUMBER: P332470-840

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 182.3 | 2.8 |
| 10°-20° | 569.6 | 8.8 |
| 20°-30° | 894.9 | 13.8 |
| 30°-40° | 933.7 | 14.4 |
| 40°-50° | 799.0 | 12.3 |
| 50°-60° | 609.0 | 9.4 |
| 60°-70° | 390.4 | 6.0 |
| 70°-80° | 187.8 | 2.9 |
| 80°-90° | 51.4 | 0.8 |
| 90°-100° | 22.2 | 0.3 |
| 100°-110° | 105.8 | 1.6 |
| 110°-120° | 254.2 | 3.9 |
| 120°-130° | 323.7 | 5.0 |
| 130°-140° | 345.8 | 5.3 |
| 140°-150° | 323.4 | 5.0 |
| 150°-160° | 260.8 | 4.0 |
| 160°-170° | 168.4 | 2.6 |
| 170°-180° | 58.0 | 0.9 |
| 0°-30° | 1646.9 | 25.4 |
| 0°-40° | 2580.6 | 39.8 |
| 0°-60° | 3988.6 | 61.5 |
| 0°-90° | 4618.2 | 71.3 |
| 90°-120° | 382.2 | 5.9 |
| 90°-150° | 1375.1 | 21.2 |
| 90°-180° | 1862.0 | 28.7 |
| 0°-180° | 6480.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1854 | 1854 | 1854 | 1854 | 1854 | |
| 5° | 2202 | 1855 | 1634 | 1855 | 2202 | 227 |
| 15° | 3129 | 1770 | 1305 | 1770 | 3129 | 887 |
| 25° | 3224 | 1608 | 1062 | 1608 | 3224 | 1386 |
| 35° | 1399 | 1402 | 865 | 1402 | 1399 | 917 |
| 45° | 746 | 1126 | 681 | 1126 | 746 | 587 |
| 55° | 468 | 792 | 465 | 792 | 468 | 423 |
| 65° | 270 | 489 | 292 | 489 | 270 | 265 |
| 75° | 114 | 238 | 149 | 238 | 114 | 123 |
| 85° | 27 | 55 | 52 | 55 | 27 | 31 |
| 90° | 14 | 0 | 14 | 0 | 14 | 7 |
| 95° | 17 | 28 | 17 | 28 | 17 | 14 |
| 105° | 20 | 135 | 20 | 135 | 20 | 46 |
| 115° | 267 | 254 | 267 | 254 | 267 | 247 |
| 125° | 365 | 358 | 365 | 358 | 365 | 326 |
| 135° | 450 | 445 | 450 | 445 | 450 | 347 |
| 145° | 519 | 514 | 519 | 514 | 519 | 324 |
| 155° | 565 | 566 | 565 | 566 | 565 | 260 |
| 165° | 595 | 597 | 595 | 597 | 595 | 168 |
| 175° | 608 | 611 | 608 | 611 | 608 | 58 |
| 180° | 611 | 611 | 611 | 611 | 611 | |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 |
| 2.5° | 1974.8 | 1977.3 | 1969.0 | 1967.8 | 1958.2 | 1955.7 | 1955.7 | 1942.4 | 1934.1 | 1923.4 | 1917.0 |
| 5° | 2201.8 | 2214.5 | 2208.2 | 2193.8 | 2170.0 | 2164.4 | 2149.4 | 2125.6 | 2098.6 | 2065.3 | 2049.4 |
| 7.5° | 2485.3 | 2502.6 | 2496.0 | 2473.9 | 2448.9 | 2428.8 | 2386.2 | 2346.7 | 2291.3 | 2242.7 | 2201.1 |
| 10° | 2717.7 | 2699.5 | 2685.1 | 2663.7 | 2640.7 | 2603.4 | 2559.0 | 2497.8 | 2427.2 | 2371.7 | 2309.8 |
| 12.5° | 2891.6 | 2888.7 | 2870.5 | 2848.5 | 2816.0 | 2780.6 | 2725.9 | 2651.5 | 2569.4 | 2489.1 | 2418.3 |
| 15° | 3128.9 | 3133.6 | 3121.7 | 3098.7 | 3052.6 | 2989.9 | 2907.4 | 2876.5 | 2759.0 | 2671.7 | 2584.3 |
| 17.5° | 3293.0 | 3292.1 | 3290.4 | 3258.5 | 3211.6 | 3166.9 | 3090.4 | 3009.0 | 2902.7 | 2779.7 | 2662.0 |
| 20° | 3397.1 | 3389.2 | 3390.8 | 3355.1 | 3320.1 | 3268.5 | 3193.9 | 3075.6 | 2988.4 | 2846.3 | 2724.8 |
| 22.5° | 3394.6 | 3393.0 | 3399.0 | 3386.8 | 3361.4 | 3321.8 | 3263.2 | 3163.3 | 3051.9 | 2908.5 | 2771.9 |
| 25° | 3224.1 | 3217.7 | 3255.1 | 3265.4 | 3305.9 | 3313.0 | 3295.5 | 3240.8 | 3135.2 | 2987.6 | 2818.5 |
| 27.5° | 2698.4 | 2694.8 | 2764.1 | 2850.7 | 2960.6 | 3046.0 | 3128.6 | 3168.4 | 3135.2 | 3029.5 | 2860.1 |
| 30° | 2214.5 | 2289.1 | 2324.0 | 2449.4 | 2589.1 | 2755.8 | 2901.8 | 3040.7 | 3074.8 | 3028.9 | 2889.9 |
| 32.5° | 1838.6 | 1903.7 | 1932.9 | 2040.5 | 2170.7 | 2365.9 | 2585.0 | 2781.7 | 2920.6 | 2955.8 | 2872.2 |
| 35° | 1398.6 | 1399.4 | 1466.0 | 1513.6 | 1634.3 | 1835.1 | 2047.8 | 2311.3 | 2573.2 | 2771.7 | 2792.3 |
| 37.5° | 1116.0 | 1119.9 | 1160.2 | 1207.7 | 1298.2 | 1404.4 | 1591.7 | 1810.8 | 2113.3 | 2418.0 | 2596.6 |
| 40° | 963.6 | 970.7 | 1000.9 | 1047.7 | 1112.8 | 1193.0 | 1339.0 | 1545.4 | 1797.8 | 2136.7 | 2413.7 |
| 42.5° | 865.8 | 877.4 | 892.9 | 929.0 | 969.3 | 1044.4 | 1162.5 | 1321.9 | 1551.5 | 1871.9 | 2191.5 |
| 45° | 746.1 | 752.5 | 764.4 | 781.0 | 817.5 | 869.9 | 949.3 | 1056.4 | 1247.0 | 1504.9 | 1824.7 |
| 47.5° | 658.1 | 654.8 | 667.3 | 680.9 | 705.2 | 740.8 | 794.1 | 881.5 | 1017.4 | 1224.4 | 1495.7 |
| 50° | 598.4 | 597.6 | 606.4 | 616.7 | 639.7 | 665.9 | 709.6 | 775.5 | 883.4 | 1054.9 | 1303.3 |
| 52.5° | 542.6 | 545.6 | 551.8 | 564.6 | 581.3 | 602.5 | 641.7 | 689.1 | 781.8 | 929.8 | 1136.9 |
| 55° | 468.3 | 470.7 | 479.4 | 486.6 | 498.5 | 519.9 | 544.5 | 584.2 | 647.7 | 750.8 | 921.5 |
| 57.5° | 405.5 | 404.3 | 412.7 | 414.4 | 428.0 | 445.5 | 464.4 | 495.2 | 541.3 | 618.0 | 733.0 |
| 60° | 363.6 | 361.1 | 368.3 | 373.9 | 381.0 | 395.3 | 411.1 | 441.3 | 477.9 | 534.2 | 632.6 |
| 62.5° | 325.4 | 324.3 | 329.5 | 335.1 | 341.0 | 354.0 | 367.3 | 390.5 | 419.4 | 466.9 | 544.9 |
| 65° | 269.8 | 272.3 | 274.6 | 277.0 | 280.1 | 288.1 | 300.8 | 316.7 | 336.6 | 369.9 | 426.3 |
| 67.5° | 212.1 | 214.5 | 215.3 | 220.2 | 227.0 | 232.0 | 239.7 | 253.9 | 267.6 | 295.8 | 327.8 |
| 70° | 171.5 | 170.7 | 171.5 | 173.8 | 182.6 | 191.3 | 201.6 | 212.0 | 220.7 | 240.4 | 267.5 |
| 72.5° | 147.3 | 145.9 | 147.9 | 148.5 | 152.7 | 155.1 | 161.6 | 171.3 | 182.6 | 196.0 | 215.4 |
| 75° | 114.3 | 114.3 | 114.3 | 114.3 | 117.4 | 119.1 | 121.5 | 123.8 | 127.7 | 134.1 | 148.5 |
| 77.5° | 84.4 | 84.6 | 85.7 | 86.5 | 87.2 | 88.1 | 89.6 | 91.9 | 93.3 | 96.6 | 102.9 |
| 80° | 66.7 | 67.5 | 66.7 | 67.5 | 67.5 | 69.1 | 69.9 | 72.2 | 73.0 | 77.0 | 79.4 |
| 82.5° | 50.2 | 49.7 | 50.2 | 51.0 | 51.0 | 52.5 | 52.7 | 54.4 | 54.6 | 56.7 | 59.1 |
| 85° | 27.0 | 25.4 | 27.0 | 26.2 | 27.8 | 26.2 | 27.0 | 28.6 | 28.6 | 29.4 | 32.5 |
| 87.5° | 9.1 | 10.3 | 9.0 | 9.6 | 9.6 | 10.1 | 10.0 | 10.0 | 11.1 | 10.4 | 10.8 |
| 90° | 13.6 | 13.4 | 13.2 | 13.0 | 12.8 | 12.5 | 12.1 | 11.7 | 11.3 | 10.9 | 9.6 |
| 92.5° | 15.0 | 14.9 | 14.8 | 14.7 | 14.5 | 14.2 | 13.5 | 12.9 | 12.2 | 11.6 | 10.6 |
| 95° | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 16.9 | 16.2 | 15.5 | 14.7 | 14.0 | 12.9 |
| 97.5° | 18.7 | 18.6 | 18.5 | 18.4 | 18.3 | 17.9 | 17.1 | 16.3 | 15.5 | 14.6 | 21.9 |
| 100° | 19.1 | 19.0 | 18.9 | 18.8 | 18.7 | 18.2 | 17.4 | 16.6 | 15.8 | 14.9 | 30.7 |
| 102.5° | 19.4 | 19.2 | 19.1 | 18.9 | 18.7 | 19.9 | 22.3 | 24.8 | 27.4 | 29.9 | 47.1 |
| 105° | 20.0 | 19.8 | 19.6 | 19.4 | 19.2 | 28.0 | 45.8 | 63.6 | 81.5 | 99.4 | 108.5 |
| 107.5° | 62.7 | 76.1 | 89.6 | 103.0 | 116.5 | 129.8 | 142.9 | 155.9 | 169.1 | 182.1 | 180.7 |
| 110° | 124.8 | 139.2 | 153.6 | 168.0 | 182.5 | 191.3 | 194.6 | 197.9 | 201.3 | 204.6 | 203.5 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 214.1 | 217.1 | 220.2 | 223.2 | 226.2 | 227.7 | 227.6 | 227.6 | 227.5 | 227.5 | 226.4 |
| 115° | 266.8 | 266.4 | 266.0 | 265.6 | 265.2 | 264.5 | 263.5 | 262.5 | 261.5 | 260.4 | 259.5 |
| 117.5° | 296.4 | 296.3 | 296.2 | 296.1 | 296.0 | 295.6 | 294.8 | 294.0 | 293.2 | 292.4 | 292.0 |
| 120° | 316.7 | 316.7 | 316.7 | 316.7 | 316.7 | 316.3 | 315.5 | 314.7 | 313.9 | 313.1 | 312.8 |
| 122.5° | 336.7 | 336.6 | 336.5 | 336.4 | 336.3 | 336.0 | 335.5 | 334.9 | 334.3 | 333.8 | 333.4 |
| 125° | 364.8 | 364.6 | 364.4 | 364.2 | 364.0 | 363.8 | 363.6 | 363.3 | 363.1 | 362.9 | 362.5 |
| 127.5° | 391.8 | 392.0 | 392.2 | 392.4 | 392.6 | 392.5 | 392.2 | 391.9 | 391.6 | 391.3 | 390.8 |
| 130° | 409.2 | 409.4 | 409.6 | 409.8 | 410.0 | 409.9 | 409.5 | 409.1 | 408.7 | 408.3 | 408.0 |
| 132.5° | 425.3 | 425.5 | 425.8 | 426.1 | 426.4 | 426.3 | 425.9 | 425.5 | 425.1 | 424.6 | 424.3 |
| 135° | 449.6 | 449.9 | 450.2 | 450.5 | 450.8 | 450.8 | 450.5 | 450.2 | 449.9 | 449.6 | 449.2 |
| 137.5° | 472.6 | 472.8 | 473.0 | 473.2 | 473.4 | 473.2 | 472.7 | 472.3 | 471.8 | 471.3 | 471.1 |
| 140° | 486.4 | 486.6 | 486.8 | 487.0 | 487.2 | 487.1 | 486.7 | 486.3 | 485.8 | 485.4 | 485.1 |
| 142.5° | 499.1 | 499.4 | 499.7 | 499.9 | 500.2 | 500.2 | 499.9 | 499.6 | 499.2 | 498.9 | 498.6 |
| 145° | 518.6 | 518.6 | 518.6 | 518.6 | 518.6 | 518.5 | 518.3 | 518.1 | 517.9 | 517.7 | 517.5 |
| 147.5° | 533.1 | 533.6 | 534.0 | 534.5 | 534.9 | 535.1 | 534.9 | 534.7 | 534.5 | 534.3 | 534.1 |
| 150° | 544.0 | 544.3 | 544.6 | 544.9 | 545.2 | 545.2 | 545.0 | 544.8 | 544.6 | 544.4 | 544.2 |
| 152.5° | 552.7 | 553.2 | 553.6 | 554.1 | 554.5 | 554.6 | 554.2 | 553.9 | 553.5 | 553.2 | 553.0 |
| 155° | 564.9 | 565.4 | 566.0 | 566.6 | 567.2 | 567.3 | 566.8 | 566.3 | 565.8 | 565.3 | 565.2 |
| 157.5° | 575.1 | 575.9 | 576.7 | 577.4 | 578.2 | 578.3 | 577.7 | 577.1 | 576.5 | 575.9 | 576.0 |
| 160° | 581.7 | 582.4 | 583.1 | 583.8 | 584.5 | 584.5 | 583.9 | 583.3 | 582.7 | 582.1 | 582.2 |
| 162.5° | 587.8 | 588.4 | 589.1 | 589.7 | 590.4 | 590.3 | 589.7 | 589.0 | 588.2 | 587.5 | 587.6 |
| 165° | 595.3 | 596.0 | 596.7 | 597.3 | 598.0 | 598.0 | 597.2 | 596.4 | 595.6 | 594.8 | 594.9 |
| 167.5° | 600.7 | 601.5 | 602.3 | 603.0 | 603.8 | 603.8 | 603.0 | 602.3 | 601.5 | 600.7 | 600.7 |
| 170° | 603.9 | 604.7 | 605.5 | 606.3 | 607.1 | 607.1 | 606.3 | 605.5 | 604.7 | 603.9 | 603.9 |
| 172.5° | 605.7 | 606.6 | 607.4 | 608.3 | 609.3 | 609.3 | 608.4 | 607.6 | 606.8 | 606.0 | 606.0 |
| 175° | 608.4 | 609.3 | 610.1 | 610.9 | 611.7 | 611.7 | 611.0 | 610.3 | 609.6 | 608.8 | 608.7 |
| 177.5° | 609.3 | 610.1 | 610.9 | 611.7 | 612.5 | 612.6 | 611.9 | 611.3 | 610.6 | 610.0 | 609.9 |
| 180° | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 |
| 2.5° | 1914.5 | 1912.6 | 1903.7 | 1893.5 | 1880.2 | 1871.3 | 1864.3 | 1860.5 | 1849.1 | 1835.1 | 1825.5 |
| 5° | 2032.8 | 2008.9 | 1983.5 | 1952.6 | 1924.0 | 1894.6 | 1876.3 | 1854.9 | 1828.8 | 1799.4 | 1778.8 |
| 7.5° | 2159.4 | 2112.7 | 2062.4 | 2010.5 | 1959.2 | 1913.2 | 1872.6 | 1837.8 | 1796.0 | 1753.9 | 1724.4 |
| 10° | 2256.5 | 2188.3 | 2117.7 | 2045.4 | 1979.5 | 1917.6 | 1870.0 | 1823.2 | 1773.2 | 1724.7 | 1688.3 |
| 12.5° | 2344.8 | 2254.9 | 2173.5 | 2084.8 | 2000.5 | 1926.5 | 1857.9 | 1802.8 | 1742.7 | 1691.1 | 1649.5 |
| 15° | 2456.6 | 2364.5 | 2266.0 | 2131.1 | 2019.2 | 1925.6 | 1842.2 | 1770.0 | 1697.0 | 1633.5 | 1593.0 |
| 17.5° | 2561.0 | 2422.5 | 2290.2 | 2177.7 | 2032.3 | 1915.2 | 1813.5 | 1727.2 | 1647.0 | 1579.6 | 1529.8 |
| 20° | 2604.2 | 2470.0 | 2326.4 | 2182.7 | 2039.8 | 1908.9 | 1790.6 | 1695.4 | 1612.0 | 1535.8 | 1489.9 |
| 22.5° | 2630.2 | 2478.3 | 2327.0 | 2172.6 | 2020.8 | 1884.8 | 1767.8 | 1663.0 | 1572.7 | 1500.3 | 1443.5 |
| 25° | 2660.6 | 2479.6 | 2312.9 | 2160.5 | 2005.7 | 1858.2 | 1719.2 | 1608.1 | 1510.5 | 1433.5 | 1373.1 |
| 27.5° | 2680.6 | 2467.7 | 2270.7 | 2101.3 | 1944.3 | 1797.3 | 1670.0 | 1552.2 | 1453.2 | 1371.7 | 1307.0 |
| 30° | 2684.3 | 2458.1 | 2238.3 | 2055.0 | 1895.4 | 1760.5 | 1625.6 | 1512.9 | 1408.1 | 1321.5 | 1261.2 |
| 32.5° | 2689.5 | 2434.7 | 2194.4 | 1999.7 | 1836.3 | 1702.7 | 1580.4 | 1472.8 | 1365.5 | 1280.3 | 1218.7 |
| 35° | 2668.5 | 2421.7 | 2128.0 | 1904.1 | 1740.6 | 1611.2 | 1501.0 | 1401.7 | 1296.2 | 1213.6 | 1150.9 |
| 37.5° | 2578.3 | 2370.1 | 2059.1 | 1796.5 | 1625.6 | 1505.7 | 1415.8 | 1329.3 | 1232.5 | 1143.5 | 1084.4 |
| 40° | 2487.5 | 2319.3 | 2005.7 | 1731.1 | 1552.6 | 1429.5 | 1348.6 | 1277.9 | 1184.3 | 1100.9 | 1037.4 |
| 42.5° | 2352.3 | 2250.1 | 1954.9 | 1662.5 | 1470.0 | 1351.4 | 1283.1 | 1216.9 | 1134.7 | 1050.1 | 990.4 |
| 45° | 2104.2 | 2117.7 | 1851.0 | 1553.3 | 1355.6 | 1236.6 | 1172.4 | 1126.3 | 1053.3 | 983.4 | 922.3 |
| 47.5° | 1793.0 | 1919.2 | 1728.9 | 1436.9 | 1235.2 | 1123.5 | 1067.2 | 1027.0 | 977.9 | 909.3 | 853.5 |
| 50° | 1589.8 | 1770.0 | 1631.1 | 1358.9 | 1159.6 | 1048.5 | 992.9 | 960.4 | 917.6 | 863.5 | 810.4 |
| 52.5° | 1402.5 | 1596.0 | 1513.0 | 1271.8 | 1077.7 | 976.1 | 921.8 | 895.0 | 861.0 | 810.2 | 762.1 |
| 55° | 1143.8 | 1339.8 | 1320.8 | 1140.5 | 954.8 | 863.5 | 822.3 | 792.1 | 769.1 | 731.0 | 693.0 |
| 57.5° | 925.1 | 1111.1 | 1120.8 | 994.5 | 846.6 | 756.4 | 720.8 | 698.1 | 683.1 | 654.4 | 619.1 |
| 60° | 787.4 | 958.1 | 991.4 | 896.2 | 769.1 | 689.7 | 654.8 | 636.5 | 624.7 | 601.7 | 574.6 |
| 62.5° | 673.1 | 818.3 | 856.1 | 787.5 | 694.8 | 620.6 | 593.2 | 575.6 | 567.5 | 547.6 | 523.8 |
| 65° | 515.1 | 635.8 | 672.3 | 634.2 | 585.7 | 526.2 | 504.0 | 489.0 | 481.8 | 470.7 | 453.2 |
| 67.5° | 387.4 | 475.2 | 515.3 | 488.5 | 471.0 | 433.3 | 419.2 | 411.1 | 404.8 | 397.2 | 382.5 |
| 70° | 311.1 | 376.2 | 417.5 | 410.3 | 396.1 | 376.2 | 365.9 | 360.3 | 354.0 | 347.7 | 335.0 |
| 72.5° | 250.1 | 295.0 | 333.7 | 337.3 | 325.6 | 321.6 | 312.6 | 310.2 | 306.4 | 298.7 | 291.8 |
| 75° | 165.9 | 196.8 | 223.8 | 234.2 | 238.9 | 242.9 | 238.9 | 238.1 | 237.3 | 231.0 | 227.0 |
| 77.5° | 108.8 | 125.4 | 142.4 | 160.1 | 167.4 | 172.9 | 174.1 | 177.0 | 174.9 | 171.6 | 169.7 |
| 80° | 83.3 | 87.4 | 99.2 | 114.3 | 126.2 | 131.0 | 134.1 | 135.7 | 134.9 | 134.1 | 131.0 |
| 82.5° | 60.5 | 63.8 | 69.4 | 80.0 | 90.0 | 98.0 | 99.9 | 99.6 | 101.3 | 101.8 | 99.2 |
| 85° | 32.5 | 33.3 | 34.9 | 36.6 | 42.1 | 50.8 | 53.2 | 54.7 | 56.4 | 56.4 | 51.6 |
| 87.5° | 11.8 | 10.9 | 11.9 | 11.7 | 13.4 | 13.8 | 17.5 | 20.4 | 21.2 | 18.9 | 19.1 |
| 90° | 8.3 | 7.0 | 5.7 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 | 1.4 | 2.4 | 3.4 |
| 92.5° | 9.6 | 8.7 | 7.7 | 7.3 | 7.6 | 7.9 | 8.2 | 8.5 | 8.2 | 7.9 | 7.6 |
| 95° | 11.8 | 10.7 | 9.6 | 11.1 | 15.2 | 19.4 | 23.5 | 27.7 | 23.5 | 19.4 | 15.2 |
| 97.5° | 29.1 | 36.4 | 43.6 | 48.2 | 50.1 | 51.9 | 53.7 | 55.6 | 53.7 | 51.9 | 50.1 |
| 100° | 46.5 | 62.2 | 77.9 | 84.7 | 82.7 | 80.7 | 78.7 | 76.6 | 78.7 | 80.7 | 82.7 |
| 102.5° | 64.2 | 81.4 | 98.6 | 106.4 | 105.0 | 103.5 | 102.1 | 100.6 | 102.1 | 103.5 | 105.0 |
| 105° | 117.5 | 126.5 | 135.6 | 139.7 | 138.6 | 137.4 | 136.3 | 135.2 | 136.3 | 137.4 | 138.6 |
| 107.5° | 179.3 | 177.8 | 176.4 | 175.2 | 174.3 | 173.5 | 172.6 | 171.7 | 172.6 | 173.5 | 174.3 |
| 110° | 202.4 | 201.3 | 200.2 | 199.2 | 198.4 | 197.6 | 196.8 | 196.0 | 196.8 | 197.6 | 198.4 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 225.3 | 224.2 | 223.1 | 222.2 | 221.4 | 220.7 | 219.9 | 219.2 | 219.9 | 220.7 | 221.4 |
| 115° | 258.6 | 257.7 | 256.8 | 256.0 | 255.4 | 254.8 | 254.2 | 253.6 | 254.2 | 254.8 | 255.4 |
| 117.5° | 291.4 | 290.9 | 290.5 | 289.9 | 289.1 | 288.4 | 287.7 | 286.9 | 287.7 | 288.4 | 289.1 |
| 120° | 312.5 | 312.1 | 311.8 | 311.2 | 310.3 | 309.4 | 308.5 | 307.6 | 308.5 | 309.4 | 310.3 |
| 122.5° | 333.0 | 332.6 | 332.2 | 331.6 | 330.9 | 330.1 | 329.4 | 328.7 | 329.4 | 330.1 | 330.9 |
| 125° | 362.1 | 361.7 | 361.3 | 360.7 | 359.9 | 359.1 | 358.3 | 357.5 | 358.3 | 359.1 | 359.9 |
| 127.5° | 390.3 | 389.8 | 389.3 | 388.7 | 387.9 | 387.1 | 386.3 | 385.5 | 386.3 | 387.1 | 387.9 |
| 130° | 407.6 | 407.2 | 406.8 | 406.2 | 405.4 | 404.6 | 403.7 | 402.9 | 403.7 | 404.6 | 405.4 |
| 132.5° | 424.0 | 423.7 | 423.3 | 422.8 | 422.0 | 421.2 | 420.4 | 419.6 | 420.4 | 421.2 | 422.0 |
| 135° | 448.8 | 448.4 | 448.0 | 447.5 | 446.9 | 446.3 | 445.7 | 445.0 | 445.7 | 446.3 | 446.9 |
| 137.5° | 470.9 | 470.7 | 470.4 | 469.9 | 469.2 | 468.4 | 467.7 | 466.9 | 467.7 | 468.4 | 469.2 |
| 140° | 484.8 | 484.5 | 484.2 | 483.8 | 483.2 | 482.6 | 482.0 | 481.4 | 482.0 | 482.6 | 483.2 |
| 142.5° | 498.3 | 498.0 | 497.7 | 497.3 | 496.7 | 496.0 | 495.4 | 494.8 | 495.4 | 496.0 | 496.7 |
| 145° | 517.3 | 517.1 | 516.8 | 516.4 | 515.7 | 515.0 | 514.3 | 513.6 | 514.3 | 515.0 | 515.7 |
| 147.5° | 533.9 | 533.7 | 533.5 | 533.1 | 532.7 | 532.2 | 531.8 | 531.3 | 531.8 | 532.2 | 532.7 |
| 150° | 544.0 | 543.8 | 543.6 | 543.4 | 543.1 | 542.8 | 542.5 | 542.2 | 542.5 | 542.8 | 543.1 |
| 152.5° | 552.9 | 552.8 | 552.7 | 552.6 | 552.4 | 552.3 | 552.1 | 552.0 | 552.1 | 552.3 | 552.4 |
| 155° | 565.1 | 565.0 | 564.9 | 565.0 | 565.2 | 565.3 | 565.5 | 565.7 | 565.5 | 565.3 | 565.2 |
| 157.5° | 576.1 | 576.2 | 576.3 | 576.4 | 576.4 | 576.4 | 576.4 | 576.5 | 576.4 | 576.4 | 576.4 |
| 160° | 582.3 | 582.4 | 582.5 | 582.6 | 582.7 | 582.8 | 582.9 | 583.0 | 582.9 | 582.8 | 582.7 |
| 162.5° | 587.7 | 587.8 | 587.9 | 588.1 | 588.4 | 588.7 | 589.0 | 589.2 | 589.0 | 588.7 | 588.4 |
| 165° | 595.0 | 595.1 | 595.2 | 595.4 | 595.7 | 596.0 | 596.3 | 596.6 | 596.3 | 596.0 | 595.7 |
| 167.5° | 600.7 | 600.7 | 600.7 | 600.9 | 601.3 | 601.7 | 602.1 | 602.5 | 602.1 | 601.7 | 601.3 |
| 170° | 603.9 | 603.9 | 603.9 | 604.1 | 604.5 | 604.9 | 605.3 | 605.7 | 605.3 | 604.9 | 604.5 |
| 172.5° | 605.9 | 605.8 | 605.7 | 605.9 | 606.4 | 606.9 | 607.4 | 607.8 | 607.4 | 606.9 | 606.4 |
| 175° | 608.6 | 608.5 | 608.4 | 608.6 | 609.2 | 609.7 | 610.2 | 610.7 | 610.2 | 609.7 | 609.2 |
| 177.5° | 609.8 | 609.8 | 609.7 | 609.8 | 610.2 | 610.6 | 611.0 | 611.4 | 611.0 | 610.6 | 610.2 |
| 180° | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 |
| 2.5° | 1822.4 | 1814.1 | 1808.5 | 1795.7 | 1787.5 | 1778.6 | 1769.7 | 1775.4 | 1774.7 | 1774.1 | 1774.1 |
| 5° | 1761.3 | 1743.0 | 1726.4 | 1705.0 | 1691.4 | 1674.8 | 1662.0 | 1660.4 | 1663.7 | 1652.5 | 1646.2 |
| 7.5° | 1700.6 | 1675.7 | 1652.0 | 1628.4 | 1603.4 | 1583.4 | 1570.7 | 1564.9 | 1556.8 | 1549.9 | 1542.9 |
| 10° | 1658.1 | 1628.7 | 1605.7 | 1576.3 | 1549.3 | 1525.5 | 1510.5 | 1500.2 | 1494.6 | 1489.0 | 1478.7 |
| 12.5° | 1614.3 | 1585.6 | 1556.2 | 1523.0 | 1497.3 | 1469.7 | 1458.3 | 1446.8 | 1436.1 | 1430.0 | 1415.8 |
| 15° | 1550.1 | 1512.9 | 1481.9 | 1446.9 | 1418.4 | 1391.4 | 1375.5 | 1352.5 | 1349.3 | 1341.4 | 1327.1 |
| 17.5° | 1485.8 | 1445.3 | 1402.7 | 1376.7 | 1344.5 | 1316.5 | 1292.3 | 1284.5 | 1261.8 | 1253.2 | 1240.9 |
| 20° | 1435.0 | 1397.8 | 1365.2 | 1331.1 | 1284.2 | 1258.1 | 1239.0 | 1228.7 | 1210.4 | 1199.3 | 1191.3 |
| 22.5° | 1391.2 | 1353.3 | 1315.7 | 1275.9 | 1237.3 | 1207.9 | 1194.0 | 1177.9 | 1167.9 | 1152.4 | 1143.8 |
| 25° | 1328.7 | 1287.4 | 1242.1 | 1199.3 | 1171.5 | 1149.3 | 1127.1 | 1112.8 | 1098.5 | 1091.4 | 1075.5 |
| 27.5° | 1256.0 | 1212.8 | 1170.5 | 1138.0 | 1103.9 | 1082.0 | 1061.9 | 1049.1 | 1032.0 | 1020.0 | 1011.2 |
| 30° | 1216.0 | 1165.2 | 1128.6 | 1099.3 | 1055.6 | 1035.0 | 1020.0 | 1004.1 | 991.4 | 978.7 | 970.0 |
| 32.5° | 1169.6 | 1123.3 | 1088.6 | 1052.3 | 1018.9 | 996.2 | 976.7 | 962.8 | 952.0 | 939.9 | 931.2 |
| 35° | 1096.9 | 1058.0 | 1022.3 | 985.8 | 961.2 | 938.2 | 915.1 | 903.2 | 892.9 | 881.8 | 873.9 |
| 37.5° | 1031.2 | 994.8 | 960.9 | 926.2 | 895.8 | 877.1 | 858.5 | 849.4 | 835.5 | 828.0 | 819.9 |
| 40° | 990.6 | 954.8 | 918.4 | 885.0 | 853.2 | 839.0 | 822.3 | 808.8 | 796.1 | 790.5 | 781.8 |
| 42.5° | 946.1 | 910.4 | 879.6 | 843.7 | 817.7 | 798.3 | 782.9 | 768.2 | 758.6 | 750.5 | 745.6 |
| 45° | 880.2 | 848.5 | 818.3 | 782.6 | 758.0 | 741.3 | 723.9 | 710.3 | 701.7 | 696.1 | 687.3 |
| 47.5° | 816.3 | 784.6 | 753.9 | 722.8 | 698.9 | 679.9 | 662.5 | 653.1 | 641.5 | 634.7 | 628.7 |
| 50° | 769.9 | 741.3 | 708.8 | 680.2 | 656.4 | 637.3 | 623.1 | 611.2 | 600.9 | 592.1 | 588.1 |
| 52.5° | 727.4 | 696.9 | 668.8 | 642.1 | 617.0 | 595.4 | 582.4 | 569.9 | 562.1 | 552.1 | 547.5 |
| 55° | 657.2 | 627.8 | 604.0 | 577.8 | 553.2 | 534.9 | 519.1 | 508.0 | 500.1 | 489.0 | 482.6 |
| 57.5° | 591.3 | 565.0 | 536.5 | 513.8 | 488.5 | 473.0 | 459.9 | 444.8 | 435.2 | 426.4 | 420.2 |
| 60° | 546.8 | 516.7 | 492.1 | 470.7 | 448.5 | 428.6 | 416.7 | 404.8 | 394.5 | 385.8 | 380.2 |
| 62.5° | 500.5 | 474.1 | 450.8 | 427.5 | 407.2 | 389.9 | 376.1 | 366.1 | 357.0 | 351.4 | 345.9 |
| 65° | 429.4 | 408.8 | 385.0 | 365.9 | 346.9 | 334.2 | 323.1 | 314.3 | 308.0 | 304.0 | 299.2 |
| 67.5° | 364.0 | 344.0 | 323.2 | 304.5 | 291.8 | 282.1 | 274.8 | 267.3 | 264.2 | 259.0 | 255.9 |
| 70° | 321.4 | 300.8 | 282.6 | 268.3 | 255.6 | 248.4 | 243.7 | 238.1 | 234.9 | 228.6 | 225.4 |
| 72.5° | 275.1 | 260.1 | 247.0 | 235.3 | 225.1 | 218.6 | 212.6 | 205.7 | 200.7 | 193.7 | 190.5 |
| 75° | 216.7 | 203.2 | 192.9 | 184.9 | 178.5 | 169.9 | 161.2 | 154.0 | 151.6 | 149.3 | 148.5 |
| 77.5° | 160.5 | 151.9 | 144.4 | 137.7 | 129.9 | 123.5 | 121.6 | 120.0 | 119.6 | 118.3 | 118.3 |
| 80° | 126.2 | 118.3 | 112.7 | 104.7 | 100.0 | 100.0 | 100.0 | 98.5 | 99.2 | 99.2 | 99.2 |
| 82.5° | 93.8 | 86.5 | 83.5 | 80.7 | 79.7 | 80.3 | 80.3 | 80.7 | 80.2 | 81.4 | 80.8 |
| 85° | 48.4 | 49.2 | 50.8 | 50.0 | 50.8 | 50.8 | 52.4 | 51.6 | 52.4 | 50.8 | 52.4 |
| 87.5° | 18.7 | 20.8 | 21.7 | 22.6 | 23.5 | 23.1 | 23.8 | 23.9 | 24.6 | 24.7 | 24.7 |
| 90° | 4.4 | 5.7 | 7.0 | 8.3 | 9.6 | 10.9 | 11.3 | 11.7 | 12.1 | 12.5 | 12.8 |
| 92.5° | 7.3 | 7.7 | 8.7 | 9.6 | 10.6 | 11.6 | 12.2 | 12.9 | 13.5 | 14.2 | 14.5 |
| 95° | 11.1 | 9.6 | 10.7 | 11.8 | 12.9 | 14.0 | 14.7 | 15.5 | 16.2 | 16.9 | 17.3 |
| 97.5° | 48.2 | 43.6 | 36.4 | 29.1 | 21.9 | 14.6 | 15.5 | 16.3 | 17.1 | 17.9 | 18.3 |
| 100° | 84.7 | 77.9 | 62.2 | 46.5 | 30.7 | 14.9 | 15.8 | 16.6 | 17.4 | 18.2 | 18.7 |
| 102.5° | 106.4 | 98.6 | 81.4 | 64.2 | 47.1 | 29.9 | 27.4 | 24.8 | 22.3 | 19.9 | 18.7 |
| 105° | 139.7 | 135.6 | 126.5 | 117.5 | 108.5 | 99.4 | 81.5 | 63.6 | 45.8 | 28.0 | 19.2 |
| 107.5° | 175.2 | 176.4 | 177.8 | 179.3 | 180.7 | 182.1 | 169.1 | 155.9 | 142.9 | 129.8 | 116.5 |
| 110° | 199.2 | 200.2 | 201.3 | 202.4 | 203.5 | 204.6 | 201.3 | 197.9 | 194.6 | 191.3 | 182.5 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 222.2 | 223.1 | 224.2 | 225.3 | 226.4 | 227.5 | 227.5 | 227.6 | 227.6 | 227.7 | 226.2 |
| 115° | 256.0 | 256.8 | 257.7 | 258.6 | 259.5 | 260.4 | 261.5 | 262.5 | 263.5 | 264.5 | 265.2 |
| 117.5° | 289.9 | 290.5 | 290.9 | 291.4 | 292.0 | 292.4 | 293.2 | 294.0 | 294.8 | 295.6 | 296.0 |
| 120° | 311.2 | 311.8 | 312.1 | 312.5 | 312.8 | 313.1 | 313.9 | 314.7 | 315.5 | 316.3 | 316.7 |
| 122.5° | 331.6 | 332.2 | 332.6 | 333.0 | 333.4 | 333.8 | 334.3 | 334.9 | 335.5 | 336.0 | 336.3 |
| 125° | 360.7 | 361.3 | 361.7 | 362.1 | 362.5 | 362.9 | 363.1 | 363.3 | 363.6 | 363.8 | 364.0 |
| 127.5° | 388.7 | 389.3 | 389.8 | 390.3 | 390.8 | 391.3 | 391.6 | 391.9 | 392.2 | 392.5 | 392.6 |
| 130° | 406.2 | 406.8 | 407.2 | 407.6 | 408.0 | 408.3 | 408.7 | 409.1 | 409.5 | 409.9 | 410.0 |
| 132.5° | 422.8 | 423.3 | 423.7 | 424.0 | 424.3 | 424.6 | 425.1 | 425.5 | 425.9 | 426.3 | 426.4 |
| 135° | 447.5 | 448.0 | 448.4 | 448.8 | 449.2 | 449.6 | 449.9 | 450.2 | 450.5 | 450.8 | 450.8 |
| 137.5° | 469.9 | 470.4 | 470.7 | 470.9 | 471.1 | 471.3 | 471.8 | 472.3 | 472.7 | 473.2 | 473.4 |
| 140° | 483.8 | 484.2 | 484.5 | 484.8 | 485.1 | 485.4 | 485.8 | 486.3 | 486.7 | 487.1 | 487.2 |
| 142.5° | 497.3 | 497.7 | 498.0 | 498.3 | 498.6 | 498.9 | 499.2 | 499.6 | 499.9 | 500.2 | 500.2 |
| 145° | 516.4 | 516.8 | 517.1 | 517.3 | 517.5 | 517.7 | 517.9 | 518.1 | 518.3 | 518.5 | 518.6 |
| 147.5° | 533.1 | 533.5 | 533.7 | 533.9 | 534.1 | 534.3 | 534.5 | 534.7 | 534.9 | 535.1 | 534.9 |
| 150° | 543.4 | 543.6 | 543.8 | 544.0 | 544.2 | 544.4 | 544.6 | 544.8 | 545.0 | 545.2 | 545.2 |
| 152.5° | 552.6 | 552.7 | 552.8 | 552.9 | 553.0 | 553.2 | 553.5 | 553.9 | 554.2 | 554.6 | 554.5 |
| 155° | 565.0 | 564.9 | 565.0 | 565.1 | 565.2 | 565.3 | 565.8 | 566.3 | 566.8 | 567.3 | 567.2 |
| 157.5° | 576.4 | 576.3 | 576.2 | 576.1 | 576.0 | 575.9 | 576.5 | 577.1 | 577.7 | 578.3 | 578.2 |
| 160° | 582.6 | 582.5 | 582.4 | 582.3 | 582.2 | 582.1 | 582.7 | 583.3 | 583.9 | 584.5 | 584.5 |
| 162.5° | 588.1 | 587.9 | 587.8 | 587.7 | 587.6 | 587.5 | 588.2 | 589.0 | 589.7 | 590.3 | 590.4 |
| 165° | 595.4 | 595.2 | 595.1 | 595.0 | 594.9 | 594.8 | 595.6 | 596.4 | 597.2 | 598.0 | 598.0 |
| 167.5° | 600.9 | 600.7 | 600.7 | 600.7 | 600.7 | 600.7 | 601.5 | 602.3 | 603.0 | 603.8 | 603.8 |
| 170° | 604.1 | 603.9 | 603.9 | 603.9 | 603.9 | 603.9 | 604.7 | 605.5 | 606.3 | 607.1 | 607.1 |
| 172.5° | 605.9 | 605.7 | 605.8 | 605.9 | 606.0 | 606.0 | 606.8 | 607.6 | 608.4 | 609.3 | 609.3 |
| 175° | 608.6 | 608.4 | 608.5 | 608.6 | 608.7 | 608.8 | 609.6 | 610.3 | 611.0 | 611.7 | 611.7 |
| 177.5° | 609.8 | 609.7 | 609.8 | 609.8 | 609.9 | 610.0 | 610.6 | 611.3 | 611.9 | 612.6 | 612.5 |
| 180° | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 |
| 2.5° | 1766.6 | 1765.8 | 1766.6 | 1763.9 | 1766.6 | 1765.8 | 1766.6 | 1774.1 | 1774.1 | 1774.7 | 1775.4 |
| 5° | 1643.8 | 1643.1 | 1640.6 | 1633.5 | 1640.6 | 1643.1 | 1643.8 | 1646.2 | 1652.5 | 1663.7 | 1660.4 |
| 7.5° | 1536.6 | 1535.5 | 1528.5 | 1528.7 | 1528.5 | 1535.5 | 1536.6 | 1542.9 | 1549.9 | 1556.8 | 1564.9 |
| 10° | 1473.2 | 1473.9 | 1464.4 | 1458.9 | 1464.4 | 1473.9 | 1473.2 | 1478.7 | 1489.0 | 1494.6 | 1500.2 |
| 12.5° | 1411.6 | 1408.0 | 1400.3 | 1394.1 | 1400.3 | 1408.0 | 1411.6 | 1415.8 | 1430.0 | 1436.1 | 1446.8 |
| 15° | 1330.3 | 1322.3 | 1303.3 | 1304.8 | 1303.3 | 1322.3 | 1330.3 | 1327.1 | 1341.4 | 1349.3 | 1352.5 |
| 17.5° | 1234.6 | 1228.7 | 1228.4 | 1217.3 | 1228.4 | 1228.7 | 1234.6 | 1240.9 | 1253.2 | 1261.8 | 1284.5 |
| 20° | 1178.7 | 1174.7 | 1176.3 | 1165.2 | 1176.3 | 1174.7 | 1178.7 | 1191.3 | 1199.3 | 1210.4 | 1228.7 |
| 22.5° | 1134.9 | 1130.8 | 1124.2 | 1120.7 | 1124.2 | 1130.8 | 1134.9 | 1143.8 | 1152.4 | 1167.9 | 1177.9 |
| 25° | 1070.8 | 1064.4 | 1058.0 | 1062.0 | 1058.0 | 1064.4 | 1070.8 | 1075.5 | 1091.4 | 1098.5 | 1112.8 |
| 27.5° | 1006.6 | 1001.9 | 995.5 | 994.7 | 995.5 | 1001.9 | 1006.6 | 1011.2 | 1020.0 | 1032.0 | 1049.1 |
| 30° | 965.9 | 961.2 | 958.1 | 954.0 | 958.1 | 961.2 | 965.9 | 970.0 | 978.7 | 991.4 | 1004.1 |
| 32.5° | 924.7 | 923.7 | 918.1 | 917.3 | 918.1 | 923.7 | 924.7 | 931.2 | 939.9 | 952.0 | 962.8 |
| 35° | 870.7 | 866.0 | 864.3 | 865.2 | 864.3 | 866.0 | 870.7 | 873.9 | 881.8 | 892.9 | 903.2 |
| 37.5° | 819.4 | 813.0 | 810.2 | 807.4 | 810.2 | 813.0 | 819.4 | 819.9 | 828.0 | 835.5 | 849.4 |
| 40° | 782.6 | 776.3 | 774.7 | 773.1 | 774.7 | 776.3 | 782.6 | 781.8 | 790.5 | 796.1 | 808.8 |
| 42.5° | 741.3 | 738.8 | 737.8 | 735.0 | 737.8 | 738.8 | 741.3 | 745.6 | 750.5 | 758.6 | 768.2 |
| 45° | 685.0 | 684.2 | 679.4 | 681.1 | 679.4 | 684.2 | 685.0 | 687.3 | 696.1 | 701.7 | 710.3 |
| 47.5° | 625.6 | 622.1 | 618.7 | 621.0 | 618.7 | 622.1 | 625.6 | 628.7 | 634.7 | 641.5 | 653.1 |
| 50° | 585.0 | 583.4 | 576.2 | 577.8 | 576.2 | 583.4 | 585.0 | 588.1 | 592.1 | 600.9 | 611.2 |
| 52.5° | 544.3 | 538.3 | 535.6 | 534.6 | 535.6 | 538.3 | 544.3 | 547.5 | 552.1 | 562.1 | 569.9 |
| 55° | 477.1 | 469.9 | 466.7 | 465.1 | 466.7 | 469.9 | 477.1 | 482.6 | 489.0 | 500.1 | 508.0 |
| 57.5° | 411.0 | 409.1 | 406.6 | 408.3 | 406.6 | 409.1 | 411.0 | 420.2 | 426.4 | 435.2 | 444.8 |
| 60° | 372.2 | 372.2 | 372.2 | 371.4 | 372.2 | 372.2 | 372.2 | 380.2 | 385.8 | 394.5 | 404.8 |
| 62.5° | 342.4 | 340.5 | 339.9 | 341.0 | 339.9 | 340.5 | 342.4 | 345.9 | 351.4 | 357.0 | 366.1 |
| 65° | 296.9 | 296.1 | 292.9 | 292.1 | 292.9 | 296.1 | 296.9 | 299.2 | 304.0 | 308.0 | 314.3 |
| 67.5° | 253.9 | 251.0 | 250.0 | 248.9 | 250.0 | 251.0 | 253.9 | 255.9 | 259.0 | 264.2 | 267.3 |
| 70° | 221.5 | 219.8 | 215.1 | 215.9 | 215.1 | 219.8 | 221.5 | 225.4 | 228.6 | 234.9 | 238.1 |
| 72.5° | 186.5 | 184.9 | 184.0 | 182.9 | 184.0 | 184.9 | 186.5 | 190.5 | 193.7 | 200.7 | 205.7 |
| 75° | 147.6 | 146.8 | 146.0 | 149.3 | 146.0 | 146.8 | 147.6 | 148.5 | 149.3 | 151.6 | 154.0 |
| 77.5° | 118.3 | 118.3 | 118.8 | 117.4 | 118.8 | 118.3 | 118.3 | 118.3 | 118.3 | 119.6 | 120.0 |
| 80° | 99.2 | 99.2 | 98.5 | 98.5 | 98.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 98.5 |
| 82.5° | 79.6 | 80.2 | 80.7 | 79.4 | 80.7 | 80.2 | 79.6 | 80.8 | 81.4 | 80.2 | 80.7 |
| 85° | 52.4 | 51.6 | 53.2 | 52.4 | 53.2 | 51.6 | 52.4 | 52.4 | 50.8 | 52.4 | 51.6 |
| 87.5° | 26.1 | 24.8 | 24.9 | 25.5 | 24.9 | 24.8 | 26.1 | 24.7 | 24.7 | 24.6 | 23.9 |
| 90° | 13.0 | 13.2 | 13.4 | 13.6 | 13.4 | 13.2 | 13.0 | 12.8 | 12.5 | 12.1 | 11.7 |
| 92.5° | 14.7 | 14.8 | 14.9 | 15.0 | 14.9 | 14.8 | 14.7 | 14.5 | 14.2 | 13.5 | 12.9 |
| 95° | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 16.9 | 16.2 | 15.5 |
| 97.5° | 18.4 | 18.5 | 18.6 | 18.7 | 18.6 | 18.5 | 18.4 | 18.3 | 17.9 | 17.1 | 16.3 |
| 100° | 18.8 | 18.9 | 19.0 | 19.1 | 19.0 | 18.9 | 18.8 | 18.7 | 18.2 | 17.4 | 16.6 |
| 102.5° | 18.9 | 19.1 | 19.2 | 19.4 | 19.2 | 19.1 | 18.9 | 18.7 | 19.9 | 22.3 | 24.8 |
| 105° | 19.4 | 19.6 | 19.8 | 20.0 | 19.8 | 19.6 | 19.4 | 19.2 | 28.0 | 45.8 | 63.6 |
| 107.5° | 103.0 | 89.6 | 76.1 | 62.7 | 76.1 | 89.6 | 103.0 | 116.5 | 129.8 | 142.9 | 155.9 |
| 110° | 168.0 | 153.6 | 139.2 | 124.8 | 139.2 | 153.6 | 168.0 | 182.5 | 191.3 | 194.6 | 197.9 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 223.2 | 220.2 | 217.1 | 214.1 | 217.1 | 220.2 | 223.2 | 226.2 | 227.7 | 227.6 | 227.6 |
| 115° | 265.6 | 266.0 | 266.4 | 266.8 | 266.4 | 266.0 | 265.6 | 265.2 | 264.5 | 263.5 | 262.5 |
| 117.5° | 296.1 | 296.2 | 296.3 | 296.4 | 296.3 | 296.2 | 296.1 | 296.0 | 295.6 | 294.8 | 294.0 |
| 120° | 316.7 | 316.7 | 316.7 | 316.7 | 316.7 | 316.7 | 316.7 | 316.7 | 316.3 | 315.5 | 314.7 |
| 122.5° | 336.4 | 336.5 | 336.6 | 336.7 | 336.6 | 336.5 | 336.4 | 336.3 | 336.0 | 335.5 | 334.9 |
| 125° | 364.2 | 364.4 | 364.6 | 364.8 | 364.6 | 364.4 | 364.2 | 364.0 | 363.8 | 363.6 | 363.3 |
| 127.5° | 392.4 | 392.2 | 392.0 | 391.8 | 392.0 | 392.2 | 392.4 | 392.6 | 392.5 | 392.2 | 391.9 |
| 130° | 409.8 | 409.6 | 409.4 | 409.2 | 409.4 | 409.6 | 409.8 | 410.0 | 409.9 | 409.5 | 409.1 |
| 132.5° | 426.1 | 425.8 | 425.5 | 425.3 | 425.5 | 425.8 | 426.1 | 426.4 | 426.3 | 425.9 | 425.5 |
| 135° | 450.5 | 450.2 | 449.9 | 449.6 | 449.9 | 450.2 | 450.5 | 450.8 | 450.8 | 450.5 | 450.2 |
| 137.5° | 473.2 | 473.0 | 472.8 | 472.6 | 472.8 | 473.0 | 473.2 | 473.4 | 473.2 | 472.7 | 472.3 |
| 140° | 487.0 | 486.8 | 486.6 | 486.4 | 486.6 | 486.8 | 487.0 | 487.2 | 487.1 | 486.7 | 486.3 |
| 142.5° | 499.9 | 499.7 | 499.4 | 499.1 | 499.4 | 499.7 | 499.9 | 500.2 | 500.2 | 499.9 | 499.6 |
| 145° | 518.6 | 518.6 | 518.6 | 518.6 | 518.6 | 518.6 | 518.6 | 518.6 | 518.5 | 518.3 | 518.1 |
| 147.5° | 534.5 | 534.0 | 533.6 | 533.1 | 533.6 | 534.0 | 534.5 | 534.9 | 535.1 | 534.9 | 534.7 |
| 150° | 544.9 | 544.6 | 544.3 | 544.0 | 544.3 | 544.6 | 544.9 | 545.2 | 545.2 | 545.0 | 544.8 |
| 152.5° | 554.1 | 553.6 | 553.2 | 552.7 | 553.2 | 553.6 | 554.1 | 554.5 | 554.6 | 554.2 | 553.9 |
| 155° | 566.6 | 566.0 | 565.4 | 564.9 | 565.4 | 566.0 | 566.6 | 567.2 | 567.3 | 566.8 | 566.3 |
| 157.5° | 577.4 | 576.7 | 575.9 | 575.1 | 575.9 | 576.7 | 577.4 | 578.2 | 578.3 | 577.7 | 577.1 |
| 160° | 583.8 | 583.1 | 582.4 | 581.7 | 582.4 | 583.1 | 583.8 | 584.5 | 584.5 | 583.9 | 583.3 |
| 162.5° | 589.7 | 589.1 | 588.4 | 587.8 | 588.4 | 589.1 | 589.7 | 590.4 | 590.3 | 589.7 | 589.0 |
| 165° | 597.3 | 596.7 | 596.0 | 595.3 | 596.0 | 596.7 | 597.3 | 598.0 | 598.0 | 597.2 | 596.4 |
| 167.5° | 603.0 | 602.3 | 601.5 | 600.7 | 601.5 | 602.3 | 603.0 | 603.8 | 603.8 | 603.0 | 602.3 |
| 170° | 606.3 | 605.5 | 604.7 | 603.9 | 604.7 | 605.5 | 606.3 | 607.1 | 607.1 | 606.3 | 605.5 |
| 172.5° | 608.3 | 607.4 | 606.6 | 605.7 | 606.6 | 607.4 | 608.3 | 609.3 | 609.3 | 608.4 | 607.6 |
| 175° | 610.9 | 610.1 | 609.3 | 608.4 | 609.3 | 610.1 | 610.9 | 611.7 | 611.7 | 611.0 | 610.3 |
| 177.5° | 611.7 | 610.9 | 610.1 | 609.3 | 610.1 | 610.9 | 611.7 | 612.5 | 612.6 | 611.9 | 611.3 |
| 180° | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 |
| 2.5° | 1769.7 | 1778.6 | 1787.5 | 1795.7 | 1808.5 | 1814.1 | 1822.4 | 1825.5 | 1835.1 | 1849.1 | 1860.5 |
| 5° | 1662.0 | 1674.8 | 1691.4 | 1705.0 | 1726.4 | 1743.0 | 1761.3 | 1778.8 | 1799.4 | 1828.8 | 1854.9 |
| 7.5° | 1570.7 | 1583.4 | 1603.4 | 1628.4 | 1652.0 | 1675.7 | 1700.6 | 1724.4 | 1753.9 | 1796.0 | 1837.8 |
| 10° | 1510.5 | 1525.5 | 1549.3 | 1576.3 | 1605.7 | 1628.7 | 1658.1 | 1688.3 | 1724.7 | 1773.2 | 1823.2 |
| 12.5° | 1458.3 | 1469.7 | 1497.3 | 1523.0 | 1556.2 | 1585.6 | 1614.3 | 1649.5 | 1691.1 | 1742.7 | 1802.8 |
| 15° | 1375.5 | 1391.4 | 1418.4 | 1446.9 | 1481.9 | 1512.9 | 1550.1 | 1593.0 | 1633.5 | 1697.0 | 1770.0 |
| 17.5° | 1292.3 | 1316.5 | 1344.5 | 1376.7 | 1402.7 | 1445.3 | 1485.8 | 1529.8 | 1579.6 | 1647.0 | 1727.2 |
| 20° | 1239.0 | 1258.1 | 1284.2 | 1331.1 | 1365.2 | 1397.8 | 1435.0 | 1489.9 | 1535.8 | 1612.0 | 1695.4 |
| 22.5° | 1194.0 | 1207.9 | 1237.3 | 1275.9 | 1315.7 | 1353.3 | 1391.2 | 1443.5 | 1500.3 | 1572.7 | 1663.0 |
| 25° | 1127.1 | 1149.3 | 1171.5 | 1199.3 | 1242.1 | 1287.4 | 1328.7 | 1373.1 | 1433.5 | 1510.5 | 1608.1 |
| 27.5° | 1061.9 | 1082.0 | 1103.9 | 1138.0 | 1170.5 | 1212.8 | 1256.0 | 1307.0 | 1371.7 | 1453.2 | 1552.2 |
| 30° | 1020.0 | 1035.0 | 1055.6 | 1099.3 | 1128.6 | 1165.2 | 1216.0 | 1261.2 | 1321.5 | 1408.1 | 1512.9 |
| 32.5° | 976.7 | 996.2 | 1018.9 | 1052.3 | 1088.6 | 1123.3 | 1169.6 | 1218.7 | 1280.3 | 1365.5 | 1472.8 |
| 35° | 915.1 | 938.2 | 961.2 | 985.8 | 1022.3 | 1058.0 | 1096.9 | 1150.9 | 1213.6 | 1296.2 | 1401.7 |
| 37.5° | 858.5 | 877.1 | 895.8 | 926.2 | 960.9 | 994.8 | 1031.2 | 1084.4 | 1143.5 | 1232.5 | 1329.3 |
| 40° | 822.3 | 839.0 | 853.2 | 885.0 | 918.4 | 954.8 | 990.6 | 1037.4 | 1100.9 | 1184.3 | 1277.9 |
| 42.5° | 782.9 | 798.3 | 817.7 | 843.7 | 879.6 | 910.4 | 946.1 | 990.4 | 1050.1 | 1134.7 | 1216.9 |
| 45° | 723.9 | 741.3 | 758.0 | 782.6 | 818.3 | 848.5 | 880.2 | 922.3 | 983.4 | 1053.3 | 1126.3 |
| 47.5° | 662.5 | 679.9 | 698.9 | 722.8 | 753.9 | 784.6 | 816.3 | 853.5 | 909.3 | 977.9 | 1027.0 |
| 50° | 623.1 | 637.3 | 656.4 | 680.2 | 708.8 | 741.3 | 769.9 | 810.4 | 863.5 | 917.6 | 960.4 |
| 52.5° | 582.4 | 595.4 | 617.0 | 642.1 | 668.8 | 696.9 | 727.4 | 762.1 | 810.2 | 861.0 | 895.0 |
| 55° | 519.1 | 534.9 | 553.2 | 577.8 | 604.0 | 627.8 | 657.2 | 693.0 | 731.0 | 769.1 | 792.1 |
| 57.5° | 459.9 | 473.0 | 488.5 | 513.8 | 536.5 | 565.0 | 591.3 | 619.1 | 654.4 | 683.1 | 698.1 |
| 60° | 416.7 | 428.6 | 448.5 | 470.7 | 492.1 | 516.7 | 546.8 | 574.6 | 601.7 | 624.7 | 636.5 |
| 62.5° | 376.1 | 389.9 | 407.2 | 427.5 | 450.8 | 474.1 | 500.5 | 523.8 | 547.6 | 567.5 | 575.6 |
| 65° | 323.1 | 334.2 | 346.9 | 365.9 | 385.0 | 408.8 | 429.4 | 453.2 | 470.7 | 481.8 | 489.0 |
| 67.5° | 274.8 | 282.1 | 291.8 | 304.5 | 323.2 | 344.0 | 364.0 | 382.5 | 397.2 | 404.8 | 411.1 |
| 70° | 243.7 | 248.4 | 255.6 | 268.3 | 282.6 | 300.8 | 321.4 | 335.0 | 347.7 | 354.0 | 360.3 |
| 72.5° | 212.6 | 218.6 | 225.1 | 235.3 | 247.0 | 260.1 | 275.1 | 291.8 | 298.7 | 306.4 | 310.2 |
| 75° | 161.2 | 169.9 | 178.5 | 184.9 | 192.9 | 203.2 | 216.7 | 227.0 | 231.0 | 237.3 | 238.1 |
| 77.5° | 121.6 | 123.5 | 129.9 | 137.7 | 144.4 | 151.9 | 160.5 | 169.7 | 171.6 | 174.9 | 177.0 |
| 80° | 100.0 | 100.0 | 100.0 | 104.7 | 112.7 | 118.3 | 126.2 | 131.0 | 134.1 | 134.9 | 135.7 |
| 82.5° | 80.3 | 80.3 | 79.7 | 80.7 | 83.5 | 86.5 | 93.8 | 99.2 | 101.8 | 101.3 | 99.6 |
| 85° | 52.4 | 50.8 | 50.8 | 50.0 | 50.8 | 49.2 | 48.4 | 51.6 | 56.4 | 56.4 | 54.7 |
| 87.5° | 23.8 | 23.1 | 23.5 | 22.6 | 21.7 | 20.8 | 18.7 | 19.1 | 18.9 | 21.2 | 20.4 |
| 90° | 11.3 | 10.9 | 9.6 | 8.3 | 7.0 | 5.7 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 92.5° | 12.2 | 11.6 | 10.6 | 9.6 | 8.7 | 7.7 | 7.3 | 7.6 | 7.9 | 8.2 | 8.5 |
| 95° | 14.7 | 14.0 | 12.9 | 11.8 | 10.7 | 9.6 | 11.1 | 15.2 | 19.4 | 23.5 | 27.7 |
| 97.5° | 15.5 | 14.6 | 21.9 | 29.1 | 36.4 | 43.6 | 48.2 | 50.1 | 51.9 | 53.7 | 55.6 |
| 100° | 15.8 | 14.9 | 30.7 | 46.5 | 62.2 | 77.9 | 84.7 | 82.7 | 80.7 | 78.7 | 76.6 |
| 102.5° | 27.4 | 29.9 | 47.1 | 64.2 | 81.4 | 98.6 | 106.4 | 105.0 | 103.5 | 102.1 | 100.6 |
| 105° | 81.5 | 99.4 | 108.5 | 117.5 | 126.5 | 135.6 | 139.7 | 138.6 | 137.4 | 136.3 | 135.2 |
| 107.5° | 169.1 | 182.1 | 180.7 | 179.3 | 177.8 | 176.4 | 175.2 | 174.3 | 173.5 | 172.6 | 171.7 |
| 110° | 201.3 | 204.6 | 203.5 | 202.4 | 201.3 | 200.2 | 199.2 | 198.4 | 197.6 | 196.8 | 196.0 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 227.5 | 227.5 | 226.4 | 225.3 | 224.2 | 223.1 | 222.2 | 221.4 | 220.7 | 219.9 | 219.2 |
| 115° | 261.5 | 260.4 | 259.5 | 258.6 | 257.7 | 256.8 | 256.0 | 255.4 | 254.8 | 254.2 | 253.6 |
| 117.5° | 293.2 | 292.4 | 292.0 | 291.4 | 290.9 | 290.5 | 289.9 | 289.1 | 288.4 | 287.7 | 286.9 |
| 120° | 313.9 | 313.1 | 312.8 | 312.5 | 312.1 | 311.8 | 311.2 | 310.3 | 309.4 | 308.5 | 307.6 |
| 122.5° | 334.3 | 333.8 | 333.4 | 333.0 | 332.6 | 332.2 | 331.6 | 330.9 | 330.1 | 329.4 | 328.7 |
| 125° | 363.1 | 362.9 | 362.5 | 362.1 | 361.7 | 361.3 | 360.7 | 359.9 | 359.1 | 358.3 | 357.5 |
| 127.5° | 391.6 | 391.3 | 390.8 | 390.3 | 389.8 | 389.3 | 388.7 | 387.9 | 387.1 | 386.3 | 385.5 |
| 130° | 408.7 | 408.3 | 408.0 | 407.6 | 407.2 | 406.8 | 406.2 | 405.4 | 404.6 | 403.7 | 402.9 |
| 132.5° | 425.1 | 424.6 | 424.3 | 424.0 | 423.7 | 423.3 | 422.8 | 422.0 | 421.2 | 420.4 | 419.6 |
| 135° | 449.9 | 449.6 | 449.2 | 448.8 | 448.4 | 448.0 | 447.5 | 446.9 | 446.3 | 445.7 | 445.0 |
| 137.5° | 471.8 | 471.3 | 471.1 | 470.9 | 470.7 | 470.4 | 469.9 | 469.2 | 468.4 | 467.7 | 466.9 |
| 140° | 485.8 | 485.4 | 485.1 | 484.8 | 484.5 | 484.2 | 483.8 | 483.2 | 482.6 | 482.0 | 481.4 |
| 142.5° | 499.2 | 498.9 | 498.6 | 498.3 | 498.0 | 497.7 | 497.3 | 496.7 | 496.0 | 495.4 | 494.8 |
| 145° | 517.9 | 517.7 | 517.5 | 517.3 | 517.1 | 516.8 | 516.4 | 515.7 | 515.0 | 514.3 | 513.6 |
| 147.5° | 534.5 | 534.3 | 534.1 | 533.9 | 533.7 | 533.5 | 533.1 | 532.7 | 532.2 | 531.8 | 531.3 |
| 150° | 544.6 | 544.4 | 544.2 | 544.0 | 543.8 | 543.6 | 543.4 | 543.1 | 542.8 | 542.5 | 542.2 |
| 152.5° | 553.5 | 553.2 | 553.0 | 552.9 | 552.8 | 552.7 | 552.6 | 552.4 | 552.3 | 552.1 | 552.0 |
| 155° | 565.8 | 565.3 | 565.2 | 565.1 | 565.0 | 564.9 | 565.0 | 565.2 | 565.3 | 565.5 | 565.7 |
| 157.5° | 576.5 | 575.9 | 576.0 | 576.1 | 576.2 | 576.3 | 576.4 | 576.4 | 576.4 | 576.4 | 576.5 |
| 160° | 582.7 | 582.1 | 582.2 | 582.3 | 582.4 | 582.5 | 582.6 | 582.7 | 582.8 | 582.9 | 583.0 |
| 162.5° | 588.2 | 587.5 | 587.6 | 587.7 | 587.8 | 587.9 | 588.1 | 588.4 | 588.7 | 589.0 | 589.2 |
| 165° | 595.6 | 594.8 | 594.9 | 595.0 | 595.1 | 595.2 | 595.4 | 595.7 | 596.0 | 596.3 | 596.6 |
| 167.5° | 601.5 | 600.7 | 600.7 | 600.7 | 600.7 | 600.7 | 600.9 | 601.3 | 601.7 | 602.1 | 602.5 |
| 170° | 604.7 | 603.9 | 603.9 | 603.9 | 603.9 | 603.9 | 604.1 | 604.5 | 604.9 | 605.3 | 605.7 |
| 172.5° | 606.8 | 606.0 | 606.0 | 605.9 | 605.8 | 605.7 | 605.9 | 606.4 | 606.9 | 607.4 | 607.8 |
| 175° | 609.6 | 608.8 | 608.7 | 608.6 | 608.5 | 608.4 | 608.6 | 609.2 | 609.7 | 610.2 | 610.7 |
| 177.5° | 610.6 | 610.0 | 609.9 | 609.8 | 609.8 | 609.7 | 609.8 | 610.2 | 610.6 | 611.0 | 611.4 |
| 180° | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 |
| 2.5° | 1864.3 | 1871.3 | 1880.2 | 1893.5 | 1903.7 | 1912.6 | 1914.5 | 1917.0 | 1923.4 | 1934.1 | 1942.4 |
| 5° | 1876.3 | 1894.6 | 1924.0 | 1952.6 | 1983.5 | 2008.9 | 2032.8 | 2049.4 | 2065.3 | 2098.6 | 2125.6 |
| 7.5° | 1872.6 | 1913.2 | 1959.2 | 2010.5 | 2062.4 | 2112.7 | 2159.4 | 2201.1 | 2242.7 | 2291.3 | 2346.7 |
| 10° | 1870.0 | 1917.6 | 1979.5 | 2045.4 | 2117.7 | 2188.3 | 2256.5 | 2309.8 | 2371.7 | 2427.2 | 2497.8 |
| 12.5° | 1857.9 | 1926.5 | 2000.5 | 2084.8 | 2173.5 | 2254.9 | 2344.8 | 2418.3 | 2489.1 | 2569.4 | 2651.5 |
| 15° | 1842.2 | 1925.6 | 2019.2 | 2131.1 | 2266.0 | 2364.5 | 2456.6 | 2584.3 | 2671.7 | 2759.0 | 2876.5 |
| 17.5° | 1813.5 | 1915.2 | 2032.3 | 2177.7 | 2290.2 | 2422.5 | 2561.0 | 2662.0 | 2779.7 | 2902.7 | 3009.0 |
| 20° | 1790.6 | 1908.9 | 2039.8 | 2182.7 | 2326.4 | 2470.0 | 2604.2 | 2724.8 | 2846.3 | 2988.4 | 3075.6 |
| 22.5° | 1767.8 | 1884.8 | 2020.8 | 2172.6 | 2327.0 | 2478.3 | 2630.2 | 2771.9 | 2908.5 | 3051.9 | 3163.3 |
| 25° | 1719.2 | 1858.2 | 2005.7 | 2160.5 | 2312.9 | 2479.6 | 2660.6 | 2818.5 | 2987.6 | 3135.2 | 3240.8 |
| 27.5° | 1670.0 | 1797.3 | 1944.3 | 2101.3 | 2270.7 | 2467.7 | 2680.6 | 2860.1 | 3029.5 | 3135.2 | 3168.4 |
| 30° | 1625.6 | 1760.5 | 1895.4 | 2055.0 | 2238.3 | 2458.1 | 2684.3 | 2889.9 | 3028.9 | 3074.8 | 3040.7 |
| 32.5° | 1580.4 | 1702.7 | 1836.3 | 1999.7 | 2194.4 | 2434.7 | 2689.5 | 2872.2 | 2955.8 | 2920.6 | 2781.7 |
| 35° | 1501.0 | 1611.2 | 1740.6 | 1904.1 | 2128.0 | 2421.7 | 2668.5 | 2792.3 | 2771.7 | 2573.2 | 2311.3 |
| 37.5° | 1415.8 | 1505.7 | 1625.6 | 1796.5 | 2059.1 | 2370.1 | 2578.3 | 2596.6 | 2418.0 | 2113.3 | 1810.8 |
| 40° | 1348.6 | 1429.5 | 1552.6 | 1731.1 | 2005.7 | 2319.3 | 2487.5 | 2413.7 | 2136.7 | 1797.8 | 1545.4 |
| 42.5° | 1283.1 | 1351.4 | 1470.0 | 1662.5 | 1954.9 | 2250.1 | 2352.3 | 2191.5 | 1871.9 | 1551.5 | 1321.9 |
| 45° | 1172.4 | 1236.6 | 1355.6 | 1553.3 | 1851.0 | 2117.7 | 2104.2 | 1824.7 | 1504.9 | 1247.0 | 1056.4 |
| 47.5° | 1067.2 | 1123.5 | 1235.2 | 1436.9 | 1728.9 | 1919.2 | 1793.0 | 1495.7 | 1224.4 | 1017.4 | 881.5 |
| 50° | 992.9 | 1048.5 | 1159.6 | 1358.9 | 1631.1 | 1770.0 | 1589.8 | 1303.3 | 1054.9 | 883.4 | 775.5 |
| 52.5° | 921.8 | 976.1 | 1077.7 | 1271.8 | 1513.0 | 1596.0 | 1402.5 | 1136.9 | 929.8 | 781.8 | 689.1 |
| 55° | 822.3 | 863.5 | 954.8 | 1140.5 | 1320.8 | 1339.8 | 1143.8 | 921.5 | 750.8 | 647.7 | 584.2 |
| 57.5° | 720.8 | 756.4 | 846.6 | 994.5 | 1120.8 | 1111.1 | 925.1 | 733.0 | 618.0 | 541.3 | 495.2 |
| 60° | 654.8 | 689.7 | 769.1 | 896.2 | 991.4 | 958.1 | 787.4 | 632.6 | 534.2 | 477.9 | 441.3 |
| 62.5° | 593.2 | 620.6 | 694.8 | 787.5 | 856.1 | 818.3 | 673.1 | 544.9 | 466.9 | 419.4 | 390.5 |
| 65° | 504.0 | 526.2 | 585.7 | 634.2 | 672.3 | 635.8 | 515.1 | 426.3 | 369.9 | 336.6 | 316.7 |
| 67.5° | 419.2 | 433.3 | 471.0 | 488.5 | 515.3 | 475.2 | 387.4 | 327.8 | 295.8 | 267.6 | 253.9 |
| 70° | 365.9 | 376.2 | 396.1 | 410.3 | 417.5 | 376.2 | 311.1 | 267.5 | 240.4 | 220.7 | 212.0 |
| 72.5° | 312.6 | 321.6 | 325.6 | 337.3 | 333.7 | 295.0 | 250.1 | 215.4 | 196.0 | 182.6 | 171.3 |
| 75° | 238.9 | 242.9 | 238.9 | 234.2 | 223.8 | 196.8 | 165.9 | 148.5 | 134.1 | 127.7 | 123.8 |
| 77.5° | 174.1 | 172.9 | 167.4 | 160.1 | 142.4 | 125.4 | 108.8 | 102.9 | 96.6 | 93.3 | 91.9 |
| 80° | 134.1 | 131.0 | 126.2 | 114.3 | 99.2 | 87.4 | 83.3 | 79.4 | 77.0 | 73.0 | 72.2 |
| 82.5° | 99.9 | 98.0 | 90.0 | 80.0 | 69.4 | 63.8 | 60.5 | 59.1 | 56.7 | 54.6 | 54.4 |
| 85° | 53.2 | 50.8 | 42.1 | 36.6 | 34.9 | 33.3 | 32.5 | 32.5 | 29.4 | 28.6 | 28.6 |
| 87.5° | 17.5 | 13.8 | 13.4 | 11.7 | 11.9 | 10.9 | 11.8 | 10.8 | 10.4 | 11.1 | 10.0 |
| 90° | 1.4 | 2.4 | 3.4 | 4.4 | 5.7 | 7.0 | 8.3 | 9.6 | 10.9 | 11.3 | 11.7 |
| 92.5° | 8.2 | 7.9 | 7.6 | 7.3 | 7.7 | 8.7 | 9.6 | 10.6 | 11.6 | 12.2 | 12.9 |
| 95° | 23.5 | 19.4 | 15.2 | 11.1 | 9.6 | 10.7 | 11.8 | 12.9 | 14.0 | 14.7 | 15.5 |
| 97.5° | 53.7 | 51.9 | 50.1 | 48.2 | 43.6 | 36.4 | 29.1 | 21.9 | 14.6 | 15.5 | 16.3 |
| 100° | 78.7 | 80.7 | 82.7 | 84.7 | 77.9 | 62.2 | 46.5 | 30.7 | 14.9 | 15.8 | 16.6 |
| 102.5° | 102.1 | 103.5 | 105.0 | 106.4 | 98.6 | 81.4 | 64.2 | 47.1 | 29.9 | 27.4 | 24.8 |
| 105° | 136.3 | 137.4 | 138.6 | 139.7 | 135.6 | 126.5 | 117.5 | 108.5 | 99.4 | 81.5 | 63.6 |
| 107.5° | 172.6 | 173.5 | 174.3 | 175.2 | 176.4 | 177.8 | 179.3 | 180.7 | 182.1 | 169.1 | 155.9 |
| 110° | 196.8 | 197.6 | 198.4 | 199.2 | 200.2 | 201.3 | 202.4 | 203.5 | 204.6 | 201.3 | 197.9 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 219.9 | 220.7 | 221.4 | 222.2 | 223.1 | 224.2 | 225.3 | 226.4 | 227.5 | 227.5 | 227.6 |
| 115° | 254.2 | 254.8 | 255.4 | 256.0 | 256.8 | 257.7 | 258.6 | 259.5 | 260.4 | 261.5 | 262.5 |
| 117.5° | 287.7 | 288.4 | 289.1 | 289.9 | 290.5 | 290.9 | 291.4 | 292.0 | 292.4 | 293.2 | 294.0 |
| 120° | 308.5 | 309.4 | 310.3 | 311.2 | 311.8 | 312.1 | 312.5 | 312.8 | 313.1 | 313.9 | 314.7 |
| 122.5° | 329.4 | 330.1 | 330.9 | 331.6 | 332.2 | 332.6 | 333.0 | 333.4 | 333.8 | 334.3 | 334.9 |
| 125° | 358.3 | 359.1 | 359.9 | 360.7 | 361.3 | 361.7 | 362.1 | 362.5 | 362.9 | 363.1 | 363.3 |
| 127.5° | 386.3 | 387.1 | 387.9 | 388.7 | 389.3 | 389.8 | 390.3 | 390.8 | 391.3 | 391.6 | 391.9 |
| 130° | 403.7 | 404.6 | 405.4 | 406.2 | 406.8 | 407.2 | 407.6 | 408.0 | 408.3 | 408.7 | 409.1 |
| 132.5° | 420.4 | 421.2 | 422.0 | 422.8 | 423.3 | 423.7 | 424.0 | 424.3 | 424.6 | 425.1 | 425.5 |
| 135° | 445.7 | 446.3 | 446.9 | 447.5 | 448.0 | 448.4 | 448.8 | 449.2 | 449.6 | 449.9 | 450.2 |
| 137.5° | 467.7 | 468.4 | 469.2 | 469.9 | 470.4 | 470.7 | 470.9 | 471.1 | 471.3 | 471.8 | 472.3 |
| 140° | 482.0 | 482.6 | 483.2 | 483.8 | 484.2 | 484.5 | 484.8 | 485.1 | 485.4 | 485.8 | 486.3 |
| 142.5° | 495.4 | 496.0 | 496.7 | 497.3 | 497.7 | 498.0 | 498.3 | 498.6 | 498.9 | 499.2 | 499.6 |
| 145° | 514.3 | 515.0 | 515.7 | 516.4 | 516.8 | 517.1 | 517.3 | 517.5 | 517.7 | 517.9 | 518.1 |
| 147.5° | 531.8 | 532.2 | 532.7 | 533.1 | 533.5 | 533.7 | 533.9 | 534.1 | 534.3 | 534.5 | 534.7 |
| 150° | 542.5 | 542.8 | 543.1 | 543.4 | 543.6 | 543.8 | 544.0 | 544.2 | 544.4 | 544.6 | 544.8 |
| 152.5° | 552.1 | 552.3 | 552.4 | 552.6 | 552.7 | 552.8 | 552.9 | 553.0 | 553.2 | 553.5 | 553.9 |
| 155° | 565.5 | 565.3 | 565.2 | 565.0 | 564.9 | 565.0 | 565.1 | 565.2 | 565.3 | 565.8 | 566.3 |
| 157.5° | 576.4 | 576.4 | 576.4 | 576.4 | 576.3 | 576.2 | 576.1 | 576.0 | 575.9 | 576.5 | 577.1 |
| 160° | 582.9 | 582.8 | 582.7 | 582.6 | 582.5 | 582.4 | 582.3 | 582.2 | 582.1 | 582.7 | 583.3 |
| 162.5° | 589.0 | 588.7 | 588.4 | 588.1 | 587.9 | 587.8 | 587.7 | 587.6 | 587.5 | 588.2 | 589.0 |
| 165° | 596.3 | 596.0 | 595.7 | 595.4 | 595.2 | 595.1 | 595.0 | 594.9 | 594.8 | 595.6 | 596.4 |
| 167.5° | 602.1 | 601.7 | 601.3 | 600.9 | 600.7 | 600.7 | 600.7 | 600.7 | 600.7 | 601.5 | 602.3 |
| 170° | 605.3 | 604.9 | 604.5 | 604.1 | 603.9 | 603.9 | 603.9 | 603.9 | 603.9 | 604.7 | 605.5 |
| 172.5° | 607.4 | 606.9 | 606.4 | 605.9 | 605.7 | 605.8 | 605.9 | 606.0 | 606.0 | 606.8 | 607.6 |
| 175° | 610.2 | 609.7 | 609.2 | 608.6 | 608.4 | 608.5 | 608.6 | 608.7 | 608.8 | 609.6 | 610.3 |
| 177.5° | 611.0 | 610.6 | 610.2 | 609.8 | 609.7 | 609.8 | 609.8 | 609.9 | 610.0 | 610.6 | 611.3 |
| 180° | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 | 1854.1 |
| 2.5° | 1955.7 | 1955.7 | 1958.2 | 1967.8 | 1969.0 | 1977.3 | 1974.8 |
| 5° | 2149.4 | 2164.4 | 2170.0 | 2193.8 | 2208.2 | 2214.5 | 2201.8 |
| 7.5° | 2386.2 | 2428.8 | 2448.9 | 2473.9 | 2496.0 | 2502.6 | 2485.3 |
| 10° | 2559.0 | 2603.4 | 2640.7 | 2663.7 | 2685.1 | 2699.5 | 2717.7 |
| 12.5° | 2725.9 | 2780.6 | 2816.0 | 2848.5 | 2870.5 | 2888.7 | 2891.6 |
| 15° | 2907.4 | 2989.9 | 3052.6 | 3098.7 | 3121.7 | 3133.6 | 3128.9 |
| 17.5° | 3090.4 | 3166.9 | 3211.6 | 3258.5 | 3290.4 | 3292.1 | 3293.0 |
| 20° | 3193.9 | 3268.5 | 3320.1 | 3355.1 | 3390.8 | 3389.2 | 3397.1 |
| 22.5° | 3263.2 | 3321.8 | 3361.4 | 3386.8 | 3399.0 | 3393.0 | 3394.6 |
| 25° | 3295.5 | 3313.0 | 3305.9 | 3265.4 | 3255.1 | 3217.7 | 3224.1 |
| 27.5° | 3128.6 | 3046.0 | 2960.6 | 2850.7 | 2764.1 | 2694.8 | 2698.4 |
| 30° | 2901.8 | 2755.8 | 2589.1 | 2449.4 | 2324.0 | 2289.1 | 2214.5 |
| 32.5° | 2585.0 | 2365.9 | 2170.7 | 2040.5 | 1932.9 | 1903.7 | 1838.6 |
| 35° | 2047.8 | 1835.1 | 1634.3 | 1513.6 | 1466.0 | 1399.4 | 1398.6 |
| 37.5° | 1591.7 | 1404.4 | 1298.2 | 1207.7 | 1160.2 | 1119.9 | 1116.0 |
| 40° | 1339.0 | 1193.0 | 1112.8 | 1047.7 | 1000.9 | 970.7 | 963.6 |
| 42.5° | 1162.5 | 1044.4 | 969.3 | 929.0 | 892.9 | 877.4 | 865.8 |
| 45° | 949.3 | 869.9 | 817.5 | 781.0 | 764.4 | 752.5 | 746.1 |
| 47.5° | 794.1 | 740.8 | 705.2 | 680.9 | 667.3 | 654.8 | 658.1 |
| 50° | 709.6 | 665.9 | 639.7 | 616.7 | 606.4 | 597.6 | 598.4 |
| 52.5° | 641.7 | 602.5 | 581.3 | 564.6 | 551.8 | 545.6 | 542.6 |
| 55° | 544.5 | 519.9 | 498.5 | 486.6 | 479.4 | 470.7 | 468.3 |
| 57.5° | 464.4 | 445.5 | 428.0 | 414.4 | 412.7 | 404.3 | 405.5 |
| 60° | 411.1 | 395.3 | 381.0 | 373.9 | 368.3 | 361.1 | 363.6 |
| 62.5° | 367.3 | 354.0 | 341.0 | 335.1 | 329.5 | 324.3 | 325.4 |
| 65° | 300.8 | 288.1 | 280.1 | 277.0 | 274.6 | 272.3 | 269.8 |
| 67.5° | 239.7 | 232.0 | 227.0 | 220.2 | 215.3 | 214.5 | 212.1 |
| 70° | 201.6 | 191.3 | 182.6 | 173.8 | 171.5 | 170.7 | 171.5 |
| 72.5° | 161.6 | 155.1 | 152.7 | 148.5 | 147.9 | 145.9 | 147.3 |
| 75° | 121.5 | 119.1 | 117.4 | 114.3 | 114.3 | 114.3 | 114.3 |
| 77.5° | 89.6 | 88.1 | 87.2 | 86.5 | 85.7 | 84.6 | 84.4 |
| 80° | 69.9 | 69.1 | 67.5 | 67.5 | 66.7 | 67.5 | 66.7 |
| 82.5° | 52.7 | 52.5 | 51.0 | 51.0 | 50.2 | 49.7 | 50.2 |
| 85° | 27.0 | 26.2 | 27.8 | 26.2 | 27.0 | 25.4 | 27.0 |
| 87.5° | 10.0 | 10.1 | 9.6 | 9.6 | 9.0 | 10.3 | 9.1 |
| 90° | 12.1 | 12.5 | 12.8 | 13.0 | 13.2 | 13.4 | 13.6 |
| 92.5° | 13.5 | 14.2 | 14.5 | 14.7 | 14.8 | 14.9 | 15.0 |
| 95° | 16.2 | 16.9 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 |
| 97.5° | 17.1 | 17.9 | 18.3 | 18.4 | 18.5 | 18.6 | 18.7 |
| 100° | 17.4 | 18.2 | 18.7 | 18.8 | 18.9 | 19.0 | 19.1 |
| 102.5° | 22.3 | 19.9 | 18.7 | 18.9 | 19.1 | 19.2 | 19.4 |
| 105° | 45.8 | 28.0 | 19.2 | 19.4 | 19.6 | 19.8 | 20.0 |
| 107.5° | 142.9 | 129.8 | 116.5 | 103.0 | 89.6 | 76.1 | 62.7 |
| 110° | 194.6 | 191.3 | 182.5 | 168.0 | 153.6 | 139.2 | 124.8 |



TEST NUMBER: P332470-840

CATALOG NUMBER: S123RDIW-S1165D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 227.6 | 227.7 | 226.2 | 223.2 | 220.2 | 217.1 | 214.1 |
| 115° | 263.5 | 264.5 | 265.2 | 265.6 | 266.0 | 266.4 | 266.8 |
| 117.5° | 294.8 | 295.6 | 296.0 | 296.1 | 296.2 | 296.3 | 296.4 |
| 120° | 315.5 | 316.3 | 316.7 | 316.7 | 316.7 | 316.7 | 316.7 |
| 122.5° | 335.5 | 336.0 | 336.3 | 336.4 | 336.5 | 336.6 | 336.7 |
| 125° | 363.6 | 363.8 | 364.0 | 364.2 | 364.4 | 364.6 | 364.8 |
| 127.5° | 392.2 | 392.5 | 392.6 | 392.4 | 392.2 | 392.0 | 391.8 |
| 130° | 409.5 | 409.9 | 410.0 | 409.8 | 409.6 | 409.4 | 409.2 |
| 132.5° | 425.9 | 426.3 | 426.4 | 426.1 | 425.8 | 425.5 | 425.3 |
| 135° | 450.5 | 450.8 | 450.8 | 450.5 | 450.2 | 449.9 | 449.6 |
| 137.5° | 472.7 | 473.2 | 473.4 | 473.2 | 473.0 | 472.8 | 472.6 |
| 140° | 486.7 | 487.1 | 487.2 | 487.0 | 486.8 | 486.6 | 486.4 |
| 142.5° | 499.9 | 500.2 | 500.2 | 499.9 | 499.7 | 499.4 | 499.1 |
| 145° | 518.3 | 518.5 | 518.6 | 518.6 | 518.6 | 518.6 | 518.6 |
| 147.5° | 534.9 | 535.1 | 534.9 | 534.5 | 534.0 | 533.6 | 533.1 |
| 150° | 545.0 | 545.2 | 545.2 | 544.9 | 544.6 | 544.3 | 544.0 |
| 152.5° | 554.2 | 554.6 | 554.5 | 554.1 | 553.6 | 553.2 | 552.7 |
| 155° | 566.8 | 567.3 | 567.2 | 566.6 | 566.0 | 565.4 | 564.9 |
| 157.5° | 577.7 | 578.3 | 578.2 | 577.4 | 576.7 | 575.9 | 575.1 |
| 160° | 583.9 | 584.5 | 584.5 | 583.8 | 583.1 | 582.4 | 581.7 |
| 162.5° | 589.7 | 590.3 | 590.4 | 589.7 | 589.1 | 588.4 | 587.8 |
| 165° | 597.2 | 598.0 | 598.0 | 597.3 | 596.7 | 596.0 | 595.3 |
| 167.5° | 603.0 | 603.8 | 603.8 | 603.0 | 602.3 | 601.5 | 600.7 |
| 170° | 606.3 | 607.1 | 607.1 | 606.3 | 605.5 | 604.7 | 603.9 |
| 172.5° | 608.4 | 609.3 | 609.3 | 608.3 | 607.4 | 606.6 | 605.7 |
| 175° | 611.0 | 611.7 | 611.7 | 610.9 | 610.1 | 609.3 | 608.4 |
| 177.5° | 611.9 | 612.6 | 612.5 | 611.7 | 610.9 | 610.1 | 609.3 |
| 180° | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 | 610.7 |

(END OF REPORT)