

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: P332384-840

Luminaire Tested: **S123RDIP-S1165D1195U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332384-840
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: S123RDIP-S1165D1195U840-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1195 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9436.8 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

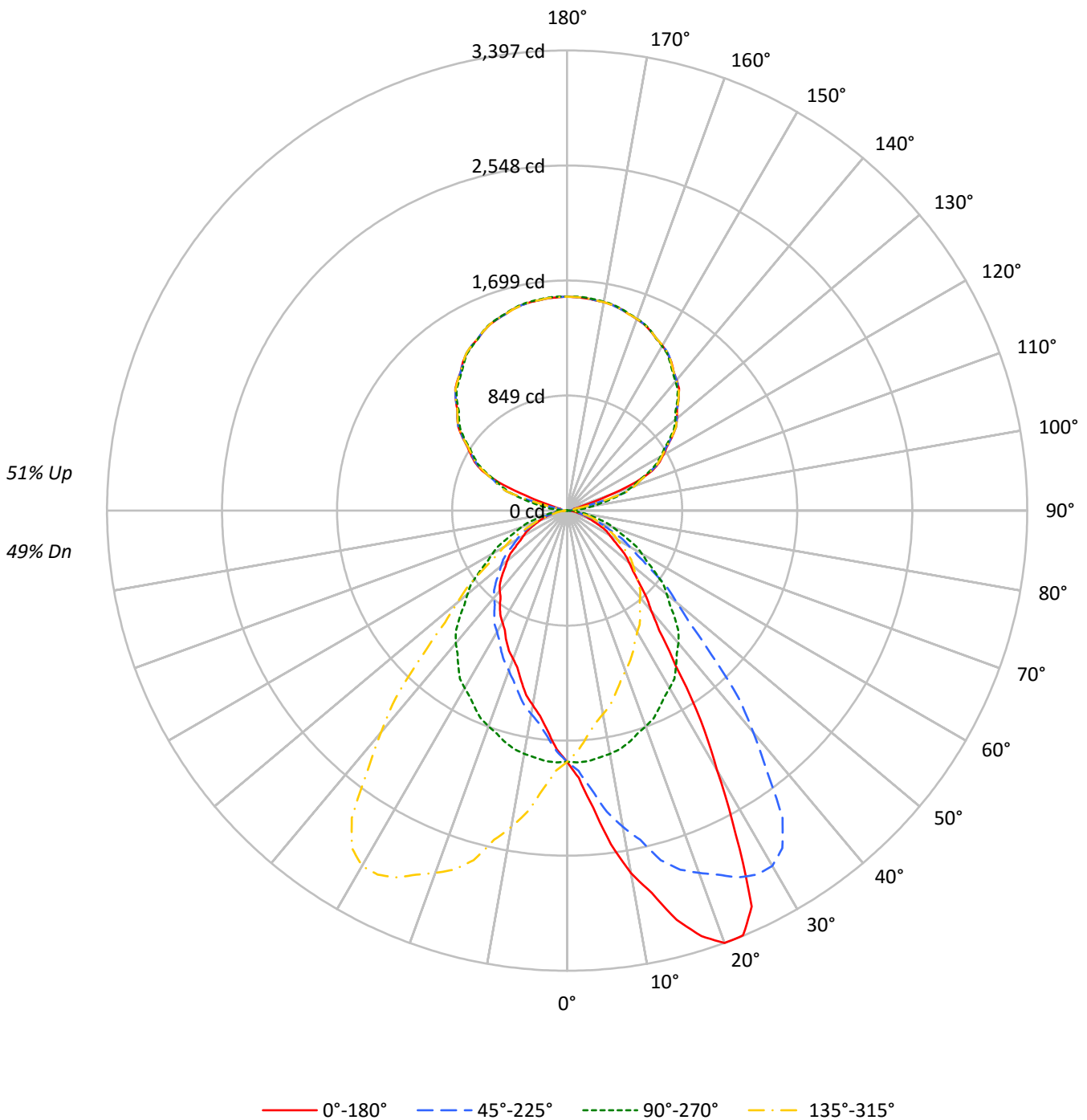
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-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 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 83 | 83 | 83 | 68 | 68 | 68 | 55 | 55 | 55 | 49 |
| 1 | 98 | 94 | 90 | 87 | 90 | 87 | 84 | 81 | 73 | 71 | 69 | 61 | 59 | 58 | 50 | 49 | 48 | 42 |
| 2 | 90 | 83 | 77 | 72 | 83 | 77 | 72 | 67 | 65 | 61 | 58 | 54 | 52 | 49 | 44 | 43 | 41 | 36 |
| 3 | 82 | 73 | 66 | 61 | 76 | 68 | 62 | 57 | 58 | 53 | 50 | 48 | 45 | 42 | 40 | 38 | 36 | 32 |
| 4 | 76 | 65 | 58 | 52 | 69 | 61 | 54 | 49 | 52 | 47 | 43 | 44 | 40 | 37 | 36 | 33 | 31 | 28 |
| 5 | 70 | 58 | 50 | 45 | 64 | 54 | 47 | 42 | 47 | 41 | 37 | 39 | 35 | 32 | 33 | 30 | 27 | 24 |
| 6 | 64 | 53 | 45 | 39 | 59 | 49 | 42 | 37 | 42 | 37 | 33 | 36 | 32 | 28 | 30 | 27 | 24 | 22 |
| 7 | 59 | 48 | 40 | 34 | 55 | 44 | 37 | 33 | 38 | 33 | 29 | 33 | 28 | 25 | 27 | 24 | 22 | 19 |
| 8 | 55 | 43 | 36 | 31 | 51 | 40 | 34 | 29 | 35 | 30 | 26 | 30 | 26 | 23 | 25 | 22 | 20 | 17 |
| 9 | 51 | 40 | 32 | 27 | 48 | 37 | 30 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 23 | 20 | 18 | 16 |
| 10 | 48 | 36 | 29 | 25 | 45 | 34 | 28 | 23 | 30 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 16 | 14 |

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: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 182.3 | 1.9 |
| 10°-20° | 569.6 | 6.0 |
| 20°-30° | 894.9 | 9.5 |
| 30°-40° | 933.7 | 9.9 |
| 40°-50° | 799.0 | 8.5 |
| 50°-60° | 609.0 | 6.5 |
| 60°-70° | 390.4 | 4.1 |
| 70°-80° | 187.8 | 2.0 |
| 80°-90° | 54.1 | 0.6 |
| 90°-100° | 57.4 | 0.6 |
| 100°-110° | 273.6 | 2.9 |
| 110°-120° | 657.3 | 7.0 |
| 120°-130° | 837.0 | 8.9 |
| 130°-140° | 894.3 | 9.5 |
| 140°-150° | 836.3 | 8.9 |
| 150°-160° | 674.6 | 7.1 |
| 160°-170° | 435.4 | 4.6 |
| 170°-180° | 150.0 | 1.6 |
| 0°-30° | 1646.9 | 17.5 |
| 0°-40° | 2580.6 | 27.3 |
| 0°-60° | 3988.6 | 42.3 |
| 0°-90° | 4620.9 | 49.0 |
| 90°-120° | 988.3 | 10.5 |
| 90°-150° | 3555.9 | 37.7 |
| 90°-180° | 4816.0 | 51.0 |
| 0°-180° | 9436.8 | 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 | 32 |
| 90° | 35 | 1 | 35 | 1 | 35 | 17 |
| 95° | 44 | 72 | 44 | 72 | 44 | 37 |
| 105° | 52 | 350 | 52 | 350 | 52 | 118 |
| 115° | 690 | 656 | 690 | 656 | 690 | 637 |
| 125° | 943 | 924 | 943 | 924 | 943 | 842 |
| 135° | 1163 | 1151 | 1163 | 1151 | 1163 | 897 |
| 145° | 1341 | 1328 | 1341 | 1328 | 1341 | 837 |
| 155° | 1461 | 1463 | 1461 | 1463 | 1461 | 674 |
| 165° | 1539 | 1543 | 1539 | 1543 | 1539 | 435 |
| 175° | 1573 | 1579 | 1573 | 1579 | 1573 | 150 |
| 180° | 1579 | 1579 | 1579 | 1579 | 1579 | |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-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° | 13.4 | 14.5 | 13.2 | 13.7 | 13.6 | 14.0 | 13.8 | 13.6 | 14.7 | 13.9 | 13.8 |
| 90° | 35.2 | 34.6 | 34.1 | 33.6 | 33.1 | 32.3 | 31.3 | 30.2 | 29.2 | 28.2 | 24.7 |
| 92.5° | 39.0 | 38.7 | 38.4 | 38.0 | 37.7 | 36.8 | 35.0 | 33.3 | 31.7 | 30.0 | 27.5 |
| 95° | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 43.6 | 41.8 | 40.0 | 38.2 | 36.4 | 33.5 |
| 97.5° | 48.4 | 48.1 | 47.9 | 47.6 | 47.3 | 46.2 | 44.0 | 41.9 | 39.9 | 37.8 | 56.6 |
| 100° | 49.3 | 49.0 | 48.8 | 48.5 | 48.3 | 47.1 | 44.9 | 42.9 | 40.8 | 38.7 | 79.4 |
| 102.5° | 50.2 | 49.8 | 49.3 | 48.8 | 48.4 | 51.3 | 57.8 | 64.2 | 70.7 | 77.2 | 121.6 |
| 105° | 51.6 | 51.1 | 50.6 | 50.1 | 49.6 | 72.3 | 118.5 | 164.6 | 210.8 | 256.9 | 280.4 |
| 107.5° | 162.2 | 196.9 | 231.7 | 266.5 | 301.2 | 335.6 | 369.4 | 403.2 | 437.1 | 471.0 | 467.3 |
| 110° | 322.7 | 359.9 | 397.2 | 434.5 | 471.8 | 494.7 | 503.3 | 511.9 | 520.6 | 529.2 | 526.2 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 553.5 | 561.4 | 569.3 | 577.1 | 585.0 | 589.0 | 588.8 | 588.5 | 588.4 | 588.2 | 585.4 |
| 115° | 689.8 | 688.8 | 687.8 | 686.7 | 685.7 | 683.9 | 681.3 | 678.6 | 676.1 | 673.5 | 671.2 |
| 117.5° | 766.4 | 766.2 | 766.0 | 765.8 | 765.6 | 764.4 | 762.3 | 760.2 | 758.1 | 756.1 | 754.9 |
| 120° | 818.9 | 818.9 | 818.9 | 818.9 | 818.9 | 817.9 | 815.8 | 813.7 | 811.6 | 809.5 | 808.8 |
| 122.5° | 870.6 | 870.4 | 870.1 | 869.9 | 869.7 | 868.9 | 867.5 | 866.0 | 864.5 | 863.0 | 862.0 |
| 125° | 943.3 | 942.8 | 942.3 | 941.7 | 941.2 | 940.7 | 940.2 | 939.7 | 939.2 | 938.6 | 937.6 |
| 127.5° | 1013.2 | 1013.8 | 1014.3 | 1014.8 | 1015.3 | 1015.1 | 1014.3 | 1013.5 | 1012.7 | 1011.8 | 1010.6 |
| 130° | 1058.3 | 1058.8 | 1059.3 | 1059.9 | 1060.4 | 1060.2 | 1059.0 | 1058.0 | 1057.0 | 1055.9 | 1054.9 |
| 132.5° | 1099.5 | 1100.3 | 1101.1 | 1101.8 | 1102.5 | 1102.4 | 1101.4 | 1100.2 | 1099.2 | 1098.2 | 1097.3 |
| 135° | 1162.8 | 1163.5 | 1164.3 | 1165.1 | 1165.9 | 1165.9 | 1165.1 | 1164.3 | 1163.5 | 1162.8 | 1161.6 |
| 137.5° | 1222.0 | 1222.6 | 1223.1 | 1223.7 | 1224.2 | 1223.8 | 1222.5 | 1221.3 | 1220.0 | 1218.8 | 1218.2 |
| 140° | 1257.8 | 1258.3 | 1258.8 | 1259.3 | 1259.8 | 1259.6 | 1258.5 | 1257.5 | 1256.5 | 1255.4 | 1254.7 |
| 142.5° | 1290.6 | 1291.3 | 1292.0 | 1292.8 | 1293.5 | 1293.4 | 1292.6 | 1291.8 | 1291.0 | 1290.1 | 1289.4 |
| 145° | 1341.0 | 1341.0 | 1341.0 | 1341.0 | 1341.0 | 1340.8 | 1340.3 | 1339.8 | 1339.2 | 1338.7 | 1338.2 |
| 147.5° | 1378.6 | 1379.8 | 1381.0 | 1382.2 | 1383.4 | 1383.7 | 1383.2 | 1382.7 | 1382.2 | 1381.6 | 1381.1 |
| 150° | 1406.7 | 1407.5 | 1408.4 | 1409.1 | 1409.9 | 1410.0 | 1409.5 | 1409.0 | 1408.5 | 1408.0 | 1407.4 |
| 152.5° | 1429.3 | 1430.5 | 1431.7 | 1432.9 | 1434.1 | 1434.2 | 1433.3 | 1432.3 | 1431.4 | 1430.5 | 1430.2 |
| 155° | 1460.8 | 1462.3 | 1463.9 | 1465.4 | 1466.9 | 1467.1 | 1465.8 | 1464.5 | 1463.2 | 1461.9 | 1461.7 |
| 157.5° | 1487.2 | 1489.2 | 1491.3 | 1493.4 | 1495.4 | 1495.6 | 1494.0 | 1492.5 | 1491.0 | 1489.3 | 1489.7 |
| 160° | 1504.1 | 1505.9 | 1507.8 | 1509.6 | 1511.5 | 1511.6 | 1510.0 | 1508.4 | 1506.9 | 1505.3 | 1505.6 |
| 162.5° | 1520.0 | 1521.7 | 1523.3 | 1524.9 | 1526.5 | 1526.5 | 1524.7 | 1523.0 | 1521.2 | 1519.3 | 1519.6 |
| 165° | 1539.3 | 1541.2 | 1543.0 | 1544.8 | 1546.6 | 1546.5 | 1544.4 | 1542.4 | 1540.2 | 1538.1 | 1538.4 |
| 167.5° | 1553.2 | 1555.3 | 1557.3 | 1559.4 | 1561.6 | 1561.6 | 1559.4 | 1557.3 | 1555.3 | 1553.2 | 1553.2 |
| 170° | 1561.7 | 1563.7 | 1565.8 | 1567.9 | 1569.9 | 1569.9 | 1567.9 | 1565.8 | 1563.7 | 1561.7 | 1561.7 |
| 172.5° | 1566.3 | 1568.6 | 1570.9 | 1573.2 | 1575.5 | 1575.6 | 1573.5 | 1571.5 | 1569.3 | 1567.2 | 1567.0 |
| 175° | 1573.4 | 1575.5 | 1577.5 | 1579.6 | 1581.7 | 1581.9 | 1580.0 | 1578.2 | 1576.4 | 1574.5 | 1574.3 |
| 177.5° | 1575.5 | 1577.5 | 1579.6 | 1581.8 | 1583.8 | 1584.0 | 1582.4 | 1580.6 | 1579.0 | 1577.3 | 1577.1 |
| 180° | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-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° | 14.4 | 13.1 | 13.7 | 13.1 | 14.5 | 14.6 | 17.9 | 20.6 | 21.7 | 19.7 | 20.2 |
| 90° | 21.4 | 18.0 | 14.6 | 11.6 | 9.0 | 6.4 | 3.7 | 1.2 | 3.7 | 6.4 | 9.0 |
| 92.5° | 24.9 | 22.4 | 19.8 | 18.9 | 19.6 | 20.4 | 21.1 | 21.8 | 21.1 | 20.4 | 19.6 |
| 95° | 30.6 | 27.8 | 24.9 | 28.8 | 39.5 | 50.2 | 60.9 | 71.6 | 60.9 | 50.2 | 39.5 |
| 97.5° | 75.3 | 94.1 | 112.9 | 124.6 | 129.5 | 134.2 | 139.1 | 143.8 | 139.1 | 134.2 | 129.5 |
| 100° | 120.1 | 160.8 | 201.4 | 219.1 | 213.9 | 208.7 | 203.5 | 198.2 | 203.5 | 208.7 | 213.9 |
| 102.5° | 166.0 | 210.5 | 254.9 | 275.3 | 271.5 | 267.7 | 264.0 | 260.2 | 264.0 | 267.7 | 271.5 |
| 105° | 303.9 | 327.3 | 350.8 | 361.1 | 358.2 | 355.4 | 352.5 | 349.6 | 352.5 | 355.4 | 358.2 |
| 107.5° | 463.5 | 459.9 | 456.2 | 453.1 | 450.8 | 448.6 | 446.3 | 443.9 | 446.3 | 448.6 | 450.8 |
| 110° | 523.4 | 520.6 | 517.7 | 515.2 | 513.1 | 511.0 | 509.0 | 506.9 | 509.0 | 511.0 | 513.1 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 582.6 | 579.7 | 576.8 | 574.4 | 572.6 | 570.7 | 568.8 | 566.9 | 568.8 | 570.7 | 572.6 |
| 115° | 668.7 | 666.4 | 664.1 | 662.1 | 660.6 | 658.9 | 657.4 | 655.9 | 657.4 | 658.9 | 660.6 |
| 117.5° | 753.7 | 752.5 | 751.2 | 749.7 | 747.8 | 745.8 | 743.9 | 741.9 | 743.9 | 745.8 | 747.8 |
| 120° | 808.0 | 807.2 | 806.5 | 804.9 | 802.5 | 800.2 | 797.8 | 795.5 | 797.8 | 800.2 | 802.5 |
| 122.5° | 861.1 | 860.1 | 859.1 | 857.7 | 855.7 | 853.7 | 851.8 | 849.9 | 851.8 | 853.7 | 855.7 |
| 125° | 936.5 | 935.4 | 934.4 | 932.9 | 930.8 | 928.7 | 926.7 | 924.5 | 926.7 | 928.7 | 930.8 |
| 127.5° | 1009.4 | 1008.0 | 1006.8 | 1005.1 | 1003.1 | 1001.0 | 998.9 | 996.8 | 998.9 | 1001.0 | 1003.1 |
| 130° | 1053.9 | 1052.8 | 1051.8 | 1050.2 | 1048.1 | 1046.0 | 1044.0 | 1041.9 | 1044.0 | 1046.0 | 1048.1 |
| 132.5° | 1096.5 | 1095.7 | 1094.8 | 1093.4 | 1091.3 | 1089.2 | 1087.1 | 1085.0 | 1087.1 | 1089.2 | 1091.3 |
| 135° | 1160.6 | 1159.6 | 1158.5 | 1157.2 | 1155.7 | 1154.1 | 1152.6 | 1150.9 | 1152.6 | 1154.1 | 1155.7 |
| 137.5° | 1217.7 | 1217.1 | 1216.5 | 1215.3 | 1213.3 | 1211.2 | 1209.3 | 1207.3 | 1209.3 | 1211.2 | 1213.3 |
| 140° | 1253.8 | 1253.0 | 1252.2 | 1251.1 | 1249.5 | 1248.0 | 1246.4 | 1244.9 | 1246.4 | 1248.0 | 1249.5 |
| 142.5° | 1288.6 | 1287.8 | 1287.0 | 1285.9 | 1284.2 | 1282.7 | 1281.1 | 1279.6 | 1281.1 | 1282.7 | 1284.2 |
| 145° | 1337.7 | 1337.2 | 1336.7 | 1335.4 | 1333.6 | 1331.8 | 1330.0 | 1328.2 | 1330.0 | 1331.8 | 1333.6 |
| 147.5° | 1380.6 | 1380.1 | 1379.6 | 1378.7 | 1377.5 | 1376.3 | 1375.1 | 1373.9 | 1375.1 | 1376.3 | 1377.5 |
| 150° | 1406.8 | 1406.3 | 1405.8 | 1405.2 | 1404.4 | 1403.6 | 1402.8 | 1402.1 | 1402.8 | 1403.6 | 1404.4 |
| 152.5° | 1429.9 | 1429.5 | 1429.2 | 1428.9 | 1428.5 | 1428.2 | 1427.7 | 1427.4 | 1427.7 | 1428.2 | 1428.5 |
| 155° | 1461.4 | 1461.1 | 1460.9 | 1461.0 | 1461.5 | 1462.0 | 1462.6 | 1463.1 | 1462.6 | 1462.0 | 1461.5 |
| 157.5° | 1489.9 | 1490.2 | 1490.4 | 1490.6 | 1490.6 | 1490.7 | 1490.7 | 1490.8 | 1490.7 | 1490.7 | 1490.6 |
| 160° | 1505.8 | 1506.1 | 1506.3 | 1506.6 | 1506.9 | 1507.1 | 1507.4 | 1507.6 | 1507.4 | 1507.1 | 1506.9 |
| 162.5° | 1519.9 | 1520.1 | 1520.5 | 1520.9 | 1521.6 | 1522.3 | 1523.0 | 1523.6 | 1523.0 | 1522.3 | 1521.6 |
| 165° | 1538.6 | 1538.9 | 1539.2 | 1539.7 | 1540.5 | 1541.3 | 1542.1 | 1542.9 | 1542.1 | 1541.3 | 1540.5 |
| 167.5° | 1553.2 | 1553.2 | 1553.2 | 1553.7 | 1554.8 | 1555.8 | 1556.8 | 1557.9 | 1556.8 | 1555.8 | 1554.8 |
| 170° | 1561.7 | 1561.7 | 1561.7 | 1562.2 | 1563.2 | 1564.3 | 1565.3 | 1566.3 | 1565.3 | 1564.3 | 1563.2 |
| 172.5° | 1566.8 | 1566.6 | 1566.4 | 1566.9 | 1568.2 | 1569.4 | 1570.7 | 1572.0 | 1570.7 | 1569.4 | 1568.2 |
| 175° | 1574.0 | 1573.8 | 1573.5 | 1574.0 | 1575.3 | 1576.6 | 1577.9 | 1579.2 | 1577.9 | 1576.6 | 1575.3 |
| 177.5° | 1576.9 | 1576.7 | 1576.5 | 1576.9 | 1578.0 | 1579.0 | 1580.0 | 1581.1 | 1580.0 | 1579.0 | 1578.0 |
| 180° | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-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° | 20.1 | 22.6 | 23.9 | 25.2 | 26.6 | 26.6 | 27.5 | 27.7 | 28.5 | 28.7 | 28.9 |
| 90° | 11.6 | 14.6 | 18.0 | 21.4 | 24.7 | 28.2 | 29.2 | 30.2 | 31.3 | 32.3 | 33.1 |
| 92.5° | 18.9 | 19.8 | 22.4 | 24.9 | 27.5 | 30.0 | 31.7 | 33.3 | 35.0 | 36.8 | 37.7 |
| 95° | 28.8 | 24.9 | 27.8 | 30.6 | 33.5 | 36.4 | 38.2 | 40.0 | 41.8 | 43.6 | 44.5 |
| 97.5° | 124.6 | 112.9 | 94.1 | 75.3 | 56.6 | 37.8 | 39.9 | 41.9 | 44.0 | 46.2 | 47.3 |
| 100° | 219.1 | 201.4 | 160.8 | 120.1 | 79.4 | 38.7 | 40.8 | 42.9 | 44.9 | 47.1 | 48.3 |
| 102.5° | 275.3 | 254.9 | 210.5 | 166.0 | 121.6 | 77.2 | 70.7 | 64.2 | 57.8 | 51.3 | 48.4 |
| 105° | 361.1 | 350.8 | 327.3 | 303.9 | 280.4 | 256.9 | 210.8 | 164.6 | 118.5 | 72.3 | 49.6 |
| 107.5° | 453.1 | 456.2 | 459.9 | 463.5 | 467.3 | 471.0 | 437.1 | 403.2 | 369.4 | 335.6 | 301.2 |
| 110° | 515.2 | 517.7 | 520.6 | 523.4 | 526.2 | 529.2 | 520.6 | 511.9 | 503.3 | 494.7 | 471.8 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 574.4 | 576.8 | 579.7 | 582.6 | 585.4 | 588.2 | 588.4 | 588.5 | 588.8 | 589.0 | 585.0 |
| 115° | 662.1 | 664.1 | 666.4 | 668.7 | 671.2 | 673.5 | 676.1 | 678.6 | 681.3 | 683.9 | 685.7 |
| 117.5° | 749.7 | 751.2 | 752.5 | 753.7 | 754.9 | 756.1 | 758.1 | 760.2 | 762.3 | 764.4 | 765.6 |
| 120° | 804.9 | 806.5 | 807.2 | 808.0 | 808.8 | 809.5 | 811.6 | 813.7 | 815.8 | 817.9 | 818.9 |
| 122.5° | 857.7 | 859.1 | 860.1 | 861.1 | 862.0 | 863.0 | 864.5 | 866.0 | 867.5 | 868.9 | 869.7 |
| 125° | 932.9 | 934.4 | 935.4 | 936.5 | 937.6 | 938.6 | 939.2 | 939.7 | 940.2 | 940.7 | 941.2 |
| 127.5° | 1005.1 | 1006.8 | 1008.0 | 1009.4 | 1010.6 | 1011.8 | 1012.7 | 1013.5 | 1014.3 | 1015.1 | 1015.3 |
| 130° | 1050.2 | 1051.8 | 1052.8 | 1053.9 | 1054.9 | 1055.9 | 1057.0 | 1058.0 | 1059.0 | 1060.2 | 1060.4 |
| 132.5° | 1093.4 | 1094.8 | 1095.7 | 1096.5 | 1097.3 | 1098.2 | 1099.2 | 1100.2 | 1101.4 | 1102.4 | 1102.5 |
| 135° | 1157.2 | 1158.5 | 1159.6 | 1160.6 | 1161.6 | 1162.8 | 1163.5 | 1164.3 | 1165.1 | 1165.9 | 1165.9 |
| 137.5° | 1215.3 | 1216.5 | 1217.1 | 1217.7 | 1218.2 | 1218.8 | 1220.0 | 1221.3 | 1222.5 | 1223.8 | 1224.2 |
| 140° | 1251.1 | 1252.2 | 1253.0 | 1253.8 | 1254.7 | 1255.4 | 1256.5 | 1257.5 | 1258.5 | 1259.6 | 1259.8 |
| 142.5° | 1285.9 | 1287.0 | 1287.8 | 1288.6 | 1289.4 | 1290.1 | 1291.0 | 1291.8 | 1292.6 | 1293.4 | 1293.5 |
| 145° | 1335.4 | 1336.7 | 1337.2 | 1337.7 | 1338.2 | 1338.7 | 1339.2 | 1339.8 | 1340.3 | 1340.8 | 1341.0 |
| 147.5° | 1378.7 | 1379.6 | 1380.1 | 1380.6 | 1381.1 | 1381.6 | 1382.2 | 1382.7 | 1383.2 | 1383.7 | 1383.4 |
| 150° | 1405.2 | 1405.8 | 1406.3 | 1406.8 | 1407.4 | 1408.0 | 1408.5 | 1409.0 | 1409.5 | 1410.0 | 1409.9 |
| 152.5° | 1428.9 | 1429.2 | 1429.5 | 1429.9 | 1430.2 | 1430.5 | 1431.4 | 1432.3 | 1433.3 | 1434.2 | 1434.1 |
| 155° | 1461.0 | 1460.9 | 1461.1 | 1461.4 | 1461.7 | 1461.9 | 1463.2 | 1464.5 | 1465.8 | 1467.1 | 1466.9 |
| 157.5° | 1490.6 | 1490.4 | 1490.2 | 1489.9 | 1489.7 | 1489.3 | 1491.0 | 1492.5 | 1494.0 | 1495.6 | 1495.4 |
| 160° | 1506.6 | 1506.3 | 1506.1 | 1505.8 | 1505.6 | 1505.3 | 1506.9 | 1508.4 | 1510.0 | 1511.6 | 1511.5 |
| 162.5° | 1520.9 | 1520.5 | 1520.1 | 1519.9 | 1519.6 | 1519.3 | 1521.2 | 1523.0 | 1524.7 | 1526.5 | 1526.5 |
| 165° | 1539.7 | 1539.2 | 1538.9 | 1538.6 | 1538.4 | 1538.1 | 1540.2 | 1542.4 | 1544.4 | 1546.5 | 1546.6 |
| 167.5° | 1553.7 | 1553.2 | 1553.2 | 1553.2 | 1553.2 | 1553.2 | 1555.3 | 1557.3 | 1559.4 | 1561.6 | 1561.6 |
| 170° | 1562.2 | 1561.7 | 1561.7 | 1561.7 | 1561.7 | 1561.7 | 1563.7 | 1565.8 | 1567.9 | 1569.9 | 1569.9 |
| 172.5° | 1566.9 | 1566.4 | 1566.6 | 1566.8 | 1567.0 | 1567.2 | 1569.3 | 1571.5 | 1573.5 | 1575.6 | 1575.5 |
| 175° | 1574.0 | 1573.5 | 1573.8 | 1574.0 | 1574.3 | 1574.5 | 1576.4 | 1578.2 | 1580.0 | 1581.9 | 1581.7 |
| 177.5° | 1576.9 | 1576.5 | 1576.7 | 1576.9 | 1577.1 | 1577.3 | 1579.0 | 1580.6 | 1582.4 | 1584.0 | 1583.8 |
| 180° | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-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° | 30.2 | 29.1 | 29.2 | 29.9 | 29.2 | 29.1 | 30.2 | 28.9 | 28.7 | 28.5 | 27.7 |
| 90° | 33.6 | 34.1 | 34.6 | 35.2 | 34.6 | 34.1 | 33.6 | 33.1 | 32.3 | 31.3 | 30.2 |
| 92.5° | 38.0 | 38.4 | 38.7 | 39.0 | 38.7 | 38.4 | 38.0 | 37.7 | 36.8 | 35.0 | 33.3 |
| 95° | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 43.6 | 41.8 | 40.0 |
| 97.5° | 47.6 | 47.9 | 48.1 | 48.4 | 48.1 | 47.9 | 47.6 | 47.3 | 46.2 | 44.0 | 41.9 |
| 100° | 48.5 | 48.8 | 49.0 | 49.3 | 49.0 | 48.8 | 48.5 | 48.3 | 47.1 | 44.9 | 42.9 |
| 102.5° | 48.8 | 49.3 | 49.8 | 50.2 | 49.8 | 49.3 | 48.8 | 48.4 | 51.3 | 57.8 | 64.2 |
| 105° | 50.1 | 50.6 | 51.1 | 51.6 | 51.1 | 50.6 | 50.1 | 49.6 | 72.3 | 118.5 | 164.6 |
| 107.5° | 266.5 | 231.7 | 196.9 | 162.2 | 196.9 | 231.7 | 266.5 | 301.2 | 335.6 | 369.4 | 403.2 |
| 110° | 434.5 | 397.2 | 359.9 | 322.7 | 359.9 | 397.2 | 434.5 | 471.8 | 494.7 | 503.3 | 511.9 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 577.1 | 569.3 | 561.4 | 553.5 | 561.4 | 569.3 | 577.1 | 585.0 | 589.0 | 588.8 | 588.5 |
| 115° | 686.7 | 687.8 | 688.8 | 689.8 | 688.8 | 687.8 | 686.7 | 685.7 | 683.9 | 681.3 | 678.6 |
| 117.5° | 765.8 | 766.0 | 766.2 | 766.4 | 766.2 | 766.0 | 765.8 | 765.6 | 764.4 | 762.3 | 760.2 |
| 120° | 818.9 | 818.9 | 818.9 | 818.9 | 818.9 | 818.9 | 818.9 | 818.9 | 817.9 | 815.8 | 813.7 |
| 122.5° | 869.9 | 870.1 | 870.4 | 870.6 | 870.4 | 870.1 | 869.9 | 869.7 | 868.9 | 867.5 | 866.0 |
| 125° | 941.7 | 942.3 | 942.8 | 943.3 | 942.8 | 942.3 | 941.7 | 941.2 | 940.7 | 940.2 | 939.7 |
| 127.5° | 1014.8 | 1014.3 | 1013.8 | 1013.2 | 1013.8 | 1014.3 | 1014.8 | 1015.3 | 1015.1 | 1014.3 | 1013.5 |
| 130° | 1059.9 | 1059.3 | 1058.8 | 1058.3 | 1058.8 | 1059.3 | 1059.9 | 1060.4 | 1060.2 | 1059.0 | 1058.0 |
| 132.5° | 1101.8 | 1101.1 | 1100.3 | 1099.5 | 1100.3 | 1101.1 | 1101.8 | 1102.5 | 1102.4 | 1101.4 | 1100.2 |
| 135° | 1165.1 | 1164.3 | 1163.5 | 1162.8 | 1163.5 | 1164.3 | 1165.1 | 1165.9 | 1165.9 | 1165.1 | 1164.3 |
| 137.5° | 1223.7 | 1223.1 | 1222.6 | 1222.0 | 1222.6 | 1223.1 | 1223.7 | 1224.2 | 1223.8 | 1222.5 | 1221.3 |
| 140° | 1259.3 | 1258.8 | 1258.3 | 1257.8 | 1258.3 | 1258.8 | 1259.3 | 1259.8 | 1259.6 | 1258.5 | 1257.5 |
| 142.5° | 1292.8 | 1292.0 | 1291.3 | 1290.6 | 1291.3 | 1292.0 | 1292.8 | 1293.5 | 1293.4 | 1292.6 | 1291.8 |
| 145° | 1341.0 | 1341.0 | 1341.0 | 1341.0 | 1341.0 | 1341.0 | 1341.0 | 1341.0 | 1340.8 | 1340.3 | 1339.8 |
| 147.5° | 1382.2 | 1381.0 | 1379.8 | 1378.6 | 1379.8 | 1381.0 | 1382.2 | 1383.4 | 1383.7 | 1383.2 | 1382.7 |
| 150° | 1409.1 | 1408.4 | 1407.5 | 1406.7 | 1407.5 | 1408.4 | 1409.1 | 1409.9 | 1410.0 | 1409.5 | 1409.0 |
| 152.5° | 1432.9 | 1431.7 | 1430.5 | 1429.3 | 1430.5 | 1431.7 | 1432.9 | 1434.1 | 1434.2 | 1433.3 | 1432.3 |
| 155° | 1465.4 | 1463.9 | 1462.3 | 1460.8 | 1462.3 | 1463.9 | 1465.4 | 1466.9 | 1467.1 | 1465.8 | 1464.5 |
| 157.5° | 1493.4 | 1491.3 | 1489.2 | 1487.2 | 1489.2 | 1491.3 | 1493.4 | 1495.4 | 1495.6 | 1494.0 | 1492.5 |
| 160° | 1509.6 | 1507.8 | 1505.9 | 1504.1 | 1505.9 | 1507.8 | 1509.6 | 1511.5 | 1511.6 | 1510.0 | 1508.4 |
| 162.5° | 1524.9 | 1523.3 | 1521.7 | 1520.0 | 1521.7 | 1523.3 | 1524.9 | 1526.5 | 1526.5 | 1524.7 | 1523.0 |
| 165° | 1544.8 | 1543.0 | 1541.2 | 1539.3 | 1541.2 | 1543.0 | 1544.8 | 1546.6 | 1546.5 | 1544.4 | 1542.4 |
| 167.5° | 1559.4 | 1557.3 | 1555.3 | 1553.2 | 1555.3 | 1557.3 | 1559.4 | 1561.6 | 1561.6 | 1559.4 | 1557.3 |
| 170° | 1567.9 | 1565.8 | 1563.7 | 1561.7 | 1563.7 | 1565.8 | 1567.9 | 1569.9 | 1569.9 | 1567.9 | 1565.8 |
| 172.5° | 1573.2 | 1570.9 | 1568.6 | 1566.3 | 1568.6 | 1570.9 | 1573.2 | 1575.5 | 1575.6 | 1573.5 | 1571.5 |
| 175° | 1579.6 | 1577.5 | 1575.5 | 1573.4 | 1575.5 | 1577.5 | 1579.6 | 1581.7 | 1581.9 | 1580.0 | 1578.2 |
| 177.5° | 1581.8 | 1579.6 | 1577.5 | 1575.5 | 1577.5 | 1579.6 | 1581.8 | 1583.8 | 1584.0 | 1582.4 | 1580.6 |
| 180° | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-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° | 27.5 | 26.6 | 26.6 | 25.2 | 23.9 | 22.6 | 20.1 | 20.2 | 19.7 | 21.7 | 20.6 |
| 90° | 29.2 | 28.2 | 24.7 | 21.4 | 18.0 | 14.6 | 11.6 | 9.0 | 6.4 | 3.7 | 1.2 |
| 92.5° | 31.7 | 30.0 | 27.5 | 24.9 | 22.4 | 19.8 | 18.9 | 19.6 | 20.4 | 21.1 | 21.8 |
| 95° | 38.2 | 36.4 | 33.5 | 30.6 | 27.8 | 24.9 | 28.8 | 39.5 | 50.2 | 60.9 | 71.6 |
| 97.5° | 39.9 | 37.8 | 56.6 | 75.3 | 94.1 | 112.9 | 124.6 | 129.5 | 134.2 | 139.1 | 143.8 |
| 100° | 40.8 | 38.7 | 79.4 | 120.1 | 160.8 | 201.4 | 219.1 | 213.9 | 208.7 | 203.5 | 198.2 |
| 102.5° | 70.7 | 77.2 | 121.6 | 166.0 | 210.5 | 254.9 | 275.3 | 271.5 | 267.7 | 264.0 | 260.2 |
| 105° | 210.8 | 256.9 | 280.4 | 303.9 | 327.3 | 350.8 | 361.1 | 358.2 | 355.4 | 352.5 | 349.6 |
| 107.5° | 437.1 | 471.0 | 467.3 | 463.5 | 459.9 | 456.2 | 453.1 | 450.8 | 448.6 | 446.3 | 443.9 |
| 110° | 520.6 | 529.2 | 526.2 | 523.4 | 520.6 | 517.7 | 515.2 | 513.1 | 511.0 | 509.0 | 506.9 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 588.4 | 588.2 | 585.4 | 582.6 | 579.7 | 576.8 | 574.4 | 572.6 | 570.7 | 568.8 | 566.9 |
| 115° | 676.1 | 673.5 | 671.2 | 668.7 | 666.4 | 664.1 | 662.1 | 660.6 | 658.9 | 657.4 | 655.9 |
| 117.5° | 758.1 | 756.1 | 754.9 | 753.7 | 752.5 | 751.2 | 749.7 | 747.8 | 745.8 | 743.9 | 741.9 |
| 120° | 811.6 | 809.5 | 808.8 | 808.0 | 807.2 | 806.5 | 804.9 | 802.5 | 800.2 | 797.8 | 795.5 |
| 122.5° | 864.5 | 863.0 | 862.0 | 861.1 | 860.1 | 859.1 | 857.7 | 855.7 | 853.7 | 851.8 | 849.9 |
| 125° | 939.2 | 938.6 | 937.6 | 936.5 | 935.4 | 934.4 | 932.9 | 930.8 | 928.7 | 926.7 | 924.5 |
| 127.5° | 1012.7 | 1011.8 | 1010.6 | 1009.4 | 1008.0 | 1006.8 | 1005.1 | 1003.1 | 1001.0 | 998.9 | 996.8 |
| 130° | 1057.0 | 1055.9 | 1054.9 | 1053.9 | 1052.8 | 1051.8 | 1050.2 | 1048.1 | 1046.0 | 1044.0 | 1041.9 |
| 132.5° | 1099.2 | 1098.2 | 1097.3 | 1096.5 | 1095.7 | 1094.8 | 1093.4 | 1091.3 | 1089.2 | 1087.1 | 1085.0 |
| 135° | 1163.5 | 1162.8 | 1161.6 | 1160.6 | 1159.6 | 1158.5 | 1157.2 | 1155.7 | 1154.1 | 1152.6 | 1150.9 |
| 137.5° | 1220.0 | 1218.8 | 1218.2 | 1217.7 | 1217.1 | 1216.5 | 1215.3 | 1213.3 | 1211.2 | 1209.3 | 1207.3 |
| 140° | 1256.5 | 1255.4 | 1254.7 | 1253.8 | 1253.0 | 1252.2 | 1251.1 | 1249.5 | 1248.0 | 1246.4 | 1244.9 |
| 142.5° | 1291.0 | 1290.1 | 1289.4 | 1288.6 | 1287.8 | 1287.0 | 1285.9 | 1284.2 | 1282.7 | 1281.1 | 1279.6 |
| 145° | 1339.2 | 1338.7 | 1338.2 | 1337.7 | 1337.2 | 1336.7 | 1335.4 | 1333.6 | 1331.8 | 1330.0 | 1328.2 |
| 147.5° | 1382.2 | 1381.6 | 1381.1 | 1380.6 | 1380.1 | 1379.6 | 1378.7 | 1377.5 | 1376.3 | 1375.1 | 1373.9 |
| 150° | 1408.5 | 1408.0 | 1407.4 | 1406.8 | 1406.3 | 1405.8 | 1405.2 | 1404.4 | 1403.6 | 1402.8 | 1402.1 |
| 152.5° | 1431.4 | 1430.5 | 1430.2 | 1429.9 | 1429.5 | 1429.2 | 1428.9 | 1428.5 | 1428.2 | 1427.7 | 1427.4 |
| 155° | 1463.2 | 1461.9 | 1461.7 | 1461.4 | 1461.1 | 1460.9 | 1461.0 | 1461.5 | 1462.0 | 1462.6 | 1463.1 |
| 157.5° | 1491.0 | 1489.3 | 1489.7 | 1489.9 | 1490.2 | 1490.4 | 1490.6 | 1490.6 | 1490.7 | 1490.7 | 1490.8 |
| 160° | 1506.9 | 1505.3 | 1505.6 | 1505.8 | 1506.1 | 1506.3 | 1506.6 | 1506.9 | 1507.1 | 1507.4 | 1507.6 |
| 162.5° | 1521.2 | 1519.3 | 1519.6 | 1519.9 | 1520.1 | 1520.5 | 1520.9 | 1521.6 | 1522.3 | 1523.0 | 1523.6 |
| 165° | 1540.2 | 1538.1 | 1538.4 | 1538.6 | 1538.9 | 1539.2 | 1539.7 | 1540.5 | 1541.3 | 1542.1 | 1542.9 |
| 167.5° | 1555.3 | 1553.2 | 1553.2 | 1553.2 | 1553.2 | 1553.2 | 1553.7 | 1554.8 | 1555.8 | 1556.8 | 1557.9 |
| 170° | 1563.7 | 1561.7 | 1561.7 | 1561.7 | 1561.7 | 1561.7 | 1562.2 | 1563.2 | 1564.3 | 1565.3 | 1566.3 |
| 172.5° | 1569.3 | 1567.2 | 1567.0 | 1566.8 | 1566.6 | 1566.4 | 1566.9 | 1568.2 | 1569.4 | 1570.7 | 1572.0 |
| 175° | 1576.4 | 1574.5 | 1574.3 | 1574.0 | 1573.8 | 1573.5 | 1574.0 | 1575.3 | 1576.6 | 1577.9 | 1579.2 |
| 177.5° | 1579.0 | 1577.3 | 1577.1 | 1576.9 | 1576.7 | 1576.5 | 1576.9 | 1578.0 | 1579.0 | 1580.0 | 1581.1 |
| 180° | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-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° | 17.9 | 14.6 | 14.5 | 13.1 | 13.7 | 13.1 | 14.4 | 13.8 | 13.9 | 14.7 | 13.6 |
| 90° | 3.7 | 6.4 | 9.0 | 11.6 | 14.6 | 18.0 | 21.4 | 24.7 | 28.2 | 29.2 | 30.2 |
| 92.5° | 21.1 | 20.4 | 19.6 | 18.9 | 19.8 | 22.4 | 24.9 | 27.5 | 30.0 | 31.7 | 33.3 |
| 95° | 60.9 | 50.2 | 39.5 | 28.8 | 24.9 | 27.8 | 30.6 | 33.5 | 36.4 | 38.2 | 40.0 |
| 97.5° | 139.1 | 134.2 | 129.5 | 124.6 | 112.9 | 94.1 | 75.3 | 56.6 | 37.8 | 39.9 | 41.9 |
| 100° | 203.5 | 208.7 | 213.9 | 219.1 | 201.4 | 160.8 | 120.1 | 79.4 | 38.7 | 40.8 | 42.9 |
| 102.5° | 264.0 | 267.7 | 271.5 | 275.3 | 254.9 | 210.5 | 166.0 | 121.6 | 77.2 | 70.7 | 64.2 |
| 105° | 352.5 | 355.4 | 358.2 | 361.1 | 350.8 | 327.3 | 303.9 | 280.4 | 256.9 | 210.8 | 164.6 |
| 107.5° | 446.3 | 448.6 | 450.8 | 453.1 | 456.2 | 459.9 | 463.5 | 467.3 | 471.0 | 437.1 | 403.2 |
| 110° | 509.0 | 511.0 | 513.1 | 515.2 | 517.7 | 520.6 | 523.4 | 526.2 | 529.2 | 520.6 | 511.9 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 568.8 | 570.7 | 572.6 | 574.4 | 576.8 | 579.7 | 582.6 | 585.4 | 588.2 | 588.4 | 588.5 |
| 115° | 657.4 | 658.9 | 660.6 | 662.1 | 664.1 | 666.4 | 668.7 | 671.2 | 673.5 | 676.1 | 678.6 |
| 117.5° | 743.9 | 745.8 | 747.8 | 749.7 | 751.2 | 752.5 | 753.7 | 754.9 | 756.1 | 758.1 | 760.2 |
| 120° | 797.8 | 800.2 | 802.5 | 804.9 | 806.5 | 807.2 | 808.0 | 808.8 | 809.5 | 811.6 | 813.7 |
| 122.5° | 851.8 | 853.7 | 855.7 | 857.7 | 859.1 | 860.1 | 861.1 | 862.0 | 863.0 | 864.5 | 866.0 |
| 125° | 926.7 | 928.7 | 930.8 | 932.9 | 934.4 | 935.4 | 936.5 | 937.6 | 938.6 | 939.2 | 939.7 |
| 127.5° | 998.9 | 1001.0 | 1003.1 | 1005.1 | 1006.8 | 1008.0 | 1009.4 | 1010.6 | 1011.8 | 1012.7 | 1013.5 |
| 130° | 1044.0 | 1046.0 | 1048.1 | 1050.2 | 1051.8 | 1052.8 | 1053.9 | 1054.9 | 1055.9 | 1057.0 | 1058.0 |
| 132.5° | 1087.1 | 1089.2 | 1091.3 | 1093.4 | 1094.8 | 1095.7 | 1096.5 | 1097.3 | 1098.2 | 1099.2 | 1100.2 |
| 135° | 1152.6 | 1154.1 | 1155.7 | 1157.2 | 1158.5 | 1159.6 | 1160.6 | 1161.6 | 1162.8 | 1163.5 | 1164.3 |
| 137.5° | 1209.3 | 1211.2 | 1213.3 | 1215.3 | 1216.5 | 1217.1 | 1217.7 | 1218.2 | 1218.8 | 1220.0 | 1221.3 |
| 140° | 1246.4 | 1248.0 | 1249.5 | 1251.1 | 1252.2 | 1253.0 | 1253.8 | 1254.7 | 1255.4 | 1256.5 | 1257.5 |
| 142.5° | 1281.1 | 1282.7 | 1284.2 | 1285.9 | 1287.0 | 1287.8 | 1288.6 | 1289.4 | 1290.1 | 1291.0 | 1291.8 |
| 145° | 1330.0 | 1331.8 | 1333.6 | 1335.4 | 1336.7 | 1337.2 | 1337.7 | 1338.2 | 1338.7 | 1339.2 | 1339.8 |
| 147.5° | 1375.1 | 1376.3 | 1377.5 | 1378.7 | 1379.6 | 1380.1 | 1380.6 | 1381.1 | 1381.6 | 1382.2 | 1382.7 |
| 150° | 1402.8 | 1403.6 | 1404.4 | 1405.2 | 1405.8 | 1406.3 | 1406.8 | 1407.4 | 1408.0 | 1408.5 | 1409.0 |
| 152.5° | 1427.7 | 1428.2 | 1428.5 | 1428.9 | 1429.2 | 1429.5 | 1429.9 | 1430.2 | 1430.5 | 1431.4 | 1432.3 |
| 155° | 1462.6 | 1462.0 | 1461.5 | 1461.0 | 1460.9 | 1461.1 | 1461.4 | 1461.7 | 1461.9 | 1463.2 | 1464.5 |
| 157.5° | 1490.7 | 1490.7 | 1490.6 | 1490.6 | 1490.4 | 1490.2 | 1489.9 | 1489.7 | 1489.3 | 1491.0 | 1492.5 |
| 160° | 1507.4 | 1507.1 | 1506.9 | 1506.6 | 1506.3 | 1506.1 | 1505.8 | 1505.6 | 1505.3 | 1506.9 | 1508.4 |
| 162.5° | 1523.0 | 1522.3 | 1521.6 | 1520.9 | 1520.5 | 1520.1 | 1519.9 | 1519.6 | 1519.3 | 1521.2 | 1523.0 |
| 165° | 1542.1 | 1541.3 | 1540.5 | 1539.7 | 1539.2 | 1538.9 | 1538.6 | 1538.4 | 1538.1 | 1540.2 | 1542.4 |
| 167.5° | 1556.8 | 1555.8 | 1554.8 | 1553.7 | 1553.2 | 1553.2 | 1553.2 | 1553.2 | 1553.2 | 1555.3 | 1557.3 |
| 170° | 1565.3 | 1564.3 | 1563.2 | 1562.2 | 1561.7 | 1561.7 | 1561.7 | 1561.7 | 1561.7 | 1563.7 | 1565.8 |
| 172.5° | 1570.7 | 1569.4 | 1568.2 | 1566.9 | 1566.4 | 1566.6 | 1566.8 | 1567.0 | 1567.2 | 1569.3 | 1571.5 |
| 175° | 1577.9 | 1576.6 | 1575.3 | 1574.0 | 1573.5 | 1573.8 | 1574.0 | 1574.3 | 1574.5 | 1576.4 | 1578.2 |
| 177.5° | 1580.0 | 1579.0 | 1578.0 | 1576.9 | 1576.5 | 1576.7 | 1576.9 | 1577.1 | 1577.3 | 1579.0 | 1580.6 |
| 180° | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-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° | 13.8 | 14.0 | 13.6 | 13.7 | 13.2 | 14.5 | 13.4 |
| 90° | 31.3 | 32.3 | 33.1 | 33.6 | 34.1 | 34.6 | 35.2 |
| 92.5° | 35.0 | 36.8 | 37.7 | 38.0 | 38.4 | 38.7 | 39.0 |
| 95° | 41.8 | 43.6 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 97.5° | 44.0 | 46.2 | 47.3 | 47.6 | 47.9 | 48.1 | 48.4 |
| 100° | 44.9 | 47.1 | 48.3 | 48.5 | 48.8 | 49.0 | 49.3 |
| 102.5° | 57.8 | 51.3 | 48.4 | 48.8 | 49.3 | 49.8 | 50.2 |
| 105° | 118.5 | 72.3 | 49.6 | 50.1 | 50.6 | 51.1 | 51.6 |
| 107.5° | 369.4 | 335.6 | 301.2 | 266.5 | 231.7 | 196.9 | 162.2 |
| 110° | 503.3 | 494.7 | 471.8 | 434.5 | 397.2 | 359.9 | 322.7 |



TEST NUMBER: P332384-840

CATALOG NUMBER: S123RDIP-S1165D1195U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 588.8 | 589.0 | 585.0 | 577.1 | 569.3 | 561.4 | 553.5 |
| 115° | 681.3 | 683.9 | 685.7 | 686.7 | 687.8 | 688.8 | 689.8 |
| 117.5° | 762.3 | 764.4 | 765.6 | 765.8 | 766.0 | 766.2 | 766.4 |
| 120° | 815.8 | 817.9 | 818.9 | 818.9 | 818.9 | 818.9 | 818.9 |
| 122.5° | 867.5 | 868.9 | 869.7 | 869.9 | 870.1 | 870.4 | 870.6 |
| 125° | 940.2 | 940.7 | 941.2 | 941.7 | 942.3 | 942.8 | 943.3 |
| 127.5° | 1014.3 | 1015.1 | 1015.3 | 1014.8 | 1014.3 | 1013.8 | 1013.2 |
| 130° | 1059.0 | 1060.2 | 1060.4 | 1059.9 | 1059.3 | 1058.8 | 1058.3 |
| 132.5° | 1101.4 | 1102.4 | 1102.5 | 1101.8 | 1101.1 | 1100.3 | 1099.5 |
| 135° | 1165.1 | 1165.9 | 1165.9 | 1165.1 | 1164.3 | 1163.5 | 1162.8 |
| 137.5° | 1222.5 | 1223.8 | 1224.2 | 1223.7 | 1223.1 | 1222.6 | 1222.0 |
| 140° | 1258.5 | 1259.6 | 1259.8 | 1259.3 | 1258.8 | 1258.3 | 1257.8 |
| 142.5° | 1292.6 | 1293.4 | 1293.5 | 1292.8 | 1292.0 | 1291.3 | 1290.6 |
| 145° | 1340.3 | 1340.8 | 1341.0 | 1341.0 | 1341.0 | 1341.0 | 1341.0 |
| 147.5° | 1383.2 | 1383.7 | 1383.4 | 1382.2 | 1381.0 | 1379.8 | 1378.6 |
| 150° | 1409.5 | 1410.0 | 1409.9 | 1409.1 | 1408.4 | 1407.5 | 1406.7 |
| 152.5° | 1433.3 | 1434.2 | 1434.1 | 1432.9 | 1431.7 | 1430.5 | 1429.3 |
| 155° | 1465.8 | 1467.1 | 1466.9 | 1465.4 | 1463.9 | 1462.3 | 1460.8 |
| 157.5° | 1494.0 | 1495.6 | 1495.4 | 1493.4 | 1491.3 | 1489.2 | 1487.2 |
| 160° | 1510.0 | 1511.6 | 1511.5 | 1509.6 | 1507.8 | 1505.9 | 1504.1 |
| 162.5° | 1524.7 | 1526.5 | 1526.5 | 1524.9 | 1523.3 | 1521.7 | 1520.0 |
| 165° | 1544.4 | 1546.5 | 1546.6 | 1544.8 | 1543.0 | 1541.2 | 1539.3 |
| 167.5° | 1559.4 | 1561.6 | 1561.6 | 1559.4 | 1557.3 | 1555.3 | 1553.2 |
| 170° | 1567.9 | 1569.9 | 1569.9 | 1567.9 | 1565.8 | 1563.7 | 1561.7 |
| 172.5° | 1573.5 | 1575.6 | 1575.5 | 1573.2 | 1570.9 | 1568.6 | 1566.3 |
| 175° | 1580.0 | 1581.9 | 1581.7 | 1579.6 | 1577.5 | 1575.5 | 1573.4 |
| 177.5° | 1582.4 | 1584.0 | 1583.8 | 1581.8 | 1579.6 | 1577.5 | 1575.5 |
| 180° | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 |

(END OF REPORT)