

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: P332082-830

Luminaire Tested: **S123DIP-S1165D1195U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332082-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1165D1195U830-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1195 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8481.3 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

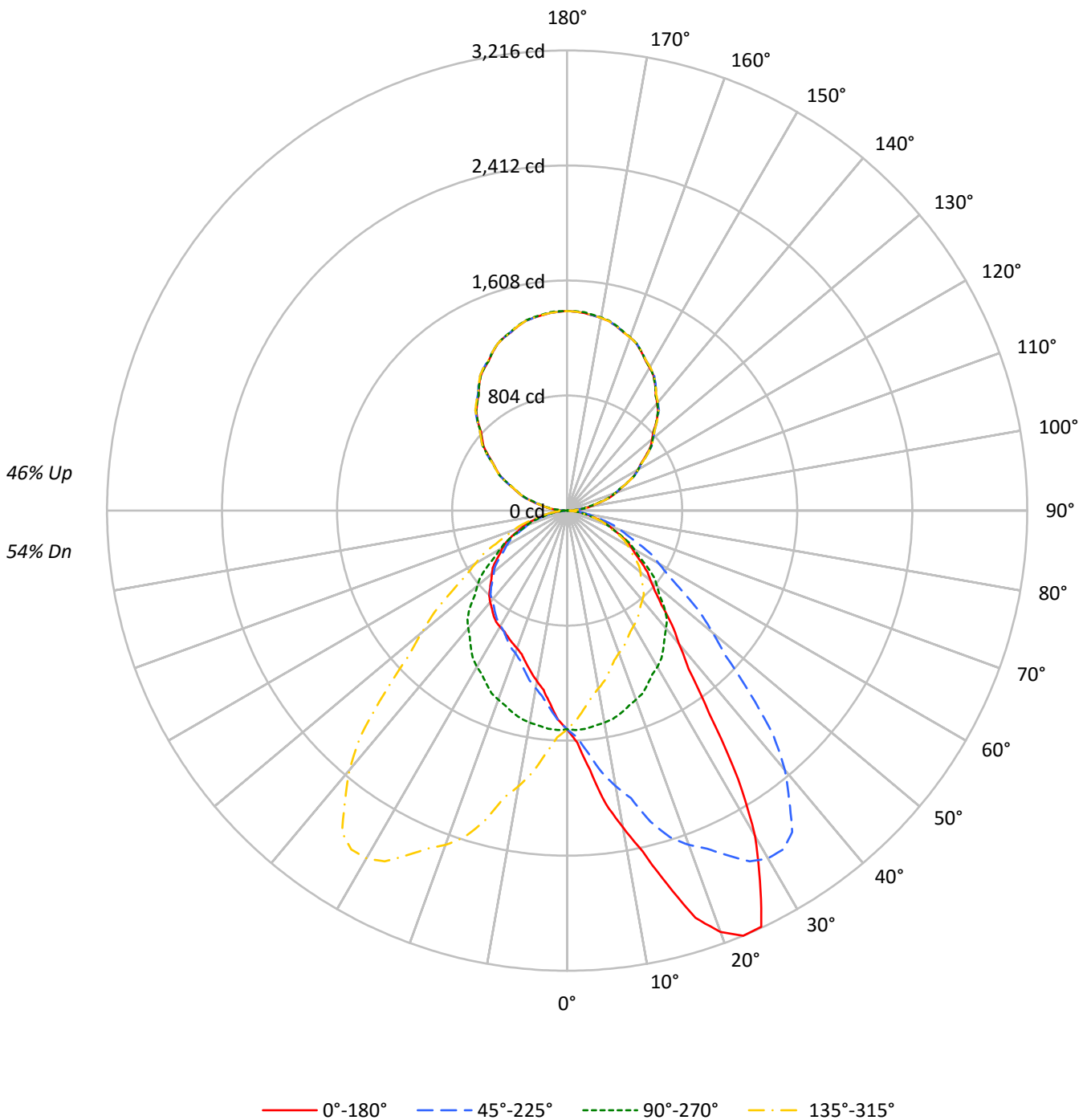
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | | | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 86 | 86 | 86 | 72 | 72 | 72 | 60 | 60 | 60 | 54 | 54 | 54 | 46 | 46 | 46 | 39 | | |
| 1 | 99 | 95 | 91 | 88 | 92 | 88 | 85 | 82 | 76 | 73 | 71 | 64 | 63 | 61 | 54 | 53 | 51 | 46 | 46 | 46 | 39 | 39 | 39 | 32 | | |
| 2 | 90 | 83 | 77 | 72 | 84 | 77 | 72 | 68 | 67 | 63 | 59 | 57 | 54 | 51 | 48 | 46 | 44 | 39 | 39 | 39 | 32 | 32 | 32 | 25 | | |
| 3 | 83 | 73 | 66 | 60 | 76 | 68 | 62 | 57 | 59 | 54 | 50 | 50 | 47 | 44 | 42 | 40 | 38 | 34 | 34 | 34 | 27 | 27 | 27 | 20 | | |
| 4 | 76 | 65 | 57 | 51 | 70 | 61 | 54 | 48 | 53 | 47 | 43 | 45 | 41 | 38 | 38 | 35 | 33 | 29 | 29 | 29 | 22 | 22 | 22 | 18 | | |
| 5 | 70 | 58 | 50 | 44 | 64 | 54 | 47 | 42 | 47 | 42 | 37 | 41 | 36 | 33 | 34 | 31 | 28 | 25 | 25 | 25 | 18 | 18 | 18 | 15 | | |
| 6 | 64 | 52 | 44 | 38 | 59 | 49 | 42 | 36 | 43 | 37 | 33 | 37 | 32 | 29 | 31 | 28 | 25 | 22 | 22 | 22 | 15 | 15 | 15 | 12 | | |
| 7 | 59 | 47 | 39 | 34 | 55 | 44 | 37 | 32 | 39 | 33 | 29 | 33 | 29 | 26 | 29 | 25 | 22 | 20 | 20 | 20 | 12 | 12 | 12 | 9 | | |
| 8 | 55 | 43 | 35 | 30 | 51 | 40 | 33 | 28 | 35 | 30 | 26 | 31 | 26 | 23 | 26 | 23 | 20 | 18 | 18 | 18 | 12 | 12 | 12 | 9 | | |
| 9 | 51 | 39 | 32 | 27 | 48 | 37 | 30 | 25 | 32 | 27 | 23 | 28 | 24 | 21 | 24 | 21 | 18 | 16 | 16 | 16 | 12 | 12 | 12 | 9 | | |
| 10 | 48 | 36 | 29 | 24 | 45 | 34 | 27 | 23 | 30 | 24 | 21 | 26 | 22 | 19 | 22 | 19 | 16 | 15 | 15 | 15 | 12 | 12 | 12 | 9 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 16457 | 16457 | 16457 | 16457 |
| 5° | 19626 | 16528 | 14647 | 16528 |
| 10° | 24565 | 16444 | 13230 | 16444 |
| 15° | 30130 | 16312 | 12316 | 16312 |
| 20° | 35892 | 16105 | 11726 | 16105 |
| 25° | 38112 | 15853 | 11595 | 15853 |
| 30° | 32666 | 15669 | 11656 | 15669 |
| 35° | 22718 | 15408 | 11779 | 15408 |
| 40° | 17113 | 15104 | 11741 | 15104 |
| 45° | 14209 | 14647 | 11592 | 14647 |
| 50° | 12728 | 13720 | 11488 | 13720 |
| 55° | 11898 | 12720 | 11344 | 12720 |
| 60° | 11162 | 11672 | 11227 | 11672 |
| 65° | 10491 | 10641 | 10868 | 10641 |
| 70° | 9838 | 9467 | 10351 | 9467 |
| 75° | 8813 | 8289 | 9491 | 8289 |
| 80° | 7711 | 6794 | 8176 | 6794 |
| 85° | 6039 | 4940 | 5496 | 4940 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 150.6 | 1.8 |
| 10°-20° | 482.9 | 5.7 |
| 20°-30° | 810.5 | 9.6 |
| 30°-40° | 917.8 | 10.8 |
| 40°-50° | 823.0 | 9.7 |
| 50°-60° | 664.2 | 7.8 |
| 60°-70° | 462.8 | 5.5 |
| 70°-80° | 243.3 | 2.9 |
| 80°-90° | 63.6 | 0.8 |
| 90°-100° | 90.8 | 1.1 |
| 100°-110° | 271.8 | 3.2 |
| 110°-120° | 462.3 | 5.5 |
| 120°-130° | 608.1 | 7.2 |
| 130°-140° | 683.5 | 8.1 |
| 140°-150° | 671.9 | 7.9 |
| 150°-160° | 565.6 | 6.7 |
| 160°-170° | 376.5 | 4.4 |
| 170°-180° | 131.8 | 1.6 |
| 0°-30° | 1444.1 | 17.0 |
| 0°-40° | 2361.9 | 27.8 |
| 0°-60° | 3849.1 | 45.4 |
| 0°-90° | 4618.8 | 54.5 |
| 90°-120° | 825.0 | 9.7 |
| 90°-150° | 2788.5 | 32.9 |
| 90°-180° | 3863.0 | 45.5 |
| 0°-180° | 8481.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1529 | 1529 | 1529 | 1529 | 1529 | |
| 5° | 1816 | 1530 | 1356 | 1530 | 1816 | 188 |
| 15° | 2704 | 1464 | 1105 | 1464 | 2704 | 781 |
| 25° | 3209 | 1335 | 976 | 1335 | 3209 | 1407 |
| 35° | 1729 | 1173 | 896 | 1173 | 1729 | 1123 |
| 45° | 933 | 962 | 762 | 962 | 933 | 739 |
| 55° | 634 | 678 | 604 | 678 | 634 | 569 |
| 65° | 412 | 418 | 427 | 418 | 412 | 410 |
| 75° | 212 | 199 | 228 | 199 | 212 | 227 |
| 85° | 49 | 40 | 44 | 40 | 49 | 59 |
| 90° | 33 | 1 | 33 | 1 | 33 | 18 |
| 95° | 85 | 65 | 85 | 65 | 85 | 88 |
| 105° | 261 | 246 | 261 | 246 | 261 | 277 |
| 115° | 467 | 465 | 467 | 465 | 467 | 462 |
| 125° | 674 | 681 | 674 | 681 | 674 | 602 |
| 135° | 883 | 884 | 883 | 884 | 883 | 679 |
| 145° | 1072 | 1072 | 1072 | 1072 | 1072 | 669 |
| 155° | 1225 | 1228 | 1225 | 1228 | 1225 | 564 |
| 165° | 1333 | 1337 | 1333 | 1337 | 1333 | 376 |
| 175° | 1385 | 1391 | 1385 | 1391 | 1385 | 132 |
| 180° | 1394 | 1394 | 1394 | 1394 | 1394 | |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 |
| 2.5° | 1622.6 | 1621.4 | 1618.4 | 1620.8 | 1616.1 | 1609.5 | 1608.9 | 1603.0 | 1585.8 | 1584.6 | 1579.9 |
| 5° | 1816.4 | 1810.4 | 1809.7 | 1808.9 | 1798.6 | 1784.5 | 1757.8 | 1755.6 | 1720.0 | 1702.2 | 1680.8 |
| 7.5° | 2067.3 | 2070.4 | 2059.6 | 2050.1 | 2018.5 | 1997.5 | 1969.0 | 1932.4 | 1888.7 | 1844.4 | 1814.9 |
| 10° | 2247.5 | 2271.9 | 2241.6 | 2220.8 | 2201.6 | 2165.2 | 2123.1 | 2070.4 | 2017.8 | 1956.3 | 1909.7 |
| 12.5° | 2440.7 | 2452.7 | 2446.6 | 2427.0 | 2397.1 | 2341.8 | 2267.0 | 2209.1 | 2160.7 | 2058.3 | 2016.9 |
| 15° | 2703.8 | 2749.0 | 2720.1 | 2653.4 | 2654.9 | 2602.3 | 2504.5 | 2397.1 | 2340.1 | 2250.4 | 2128.3 |
| 17.5° | 2984.1 | 2989.7 | 2977.4 | 2921.9 | 2884.8 | 2812.5 | 2722.3 | 2619.3 | 2503.8 | 2395.4 | 2265.7 |
| 20° | 3133.4 | 3129.0 | 3103.0 | 3074.2 | 3010.5 | 2954.2 | 2855.6 | 2740.8 | 2592.7 | 2486.1 | 2344.5 |
| 22.5° | 3216.4 | 3209.0 | 3196.7 | 3172.5 | 3119.5 | 3059.0 | 2970.6 | 2845.2 | 2704.1 | 2557.1 | 2393.7 |
| 25° | 3209.0 | 3218.6 | 3220.1 | 3213.4 | 3194.9 | 3158.6 | 3089.0 | 2989.0 | 2848.3 | 2659.4 | 2489.0 |
| 27.5° | 2918.6 | 2932.2 | 2971.8 | 3006.9 | 3046.2 | 3086.2 | 3080.8 | 3031.2 | 2927.1 | 2763.9 | 2555.6 |
| 30° | 2628.2 | 2598.6 | 2671.9 | 2764.6 | 2827.5 | 2938.6 | 3000.9 | 3004.5 | 2946.0 | 2806.0 | 2603.0 |
| 32.5° | 2225.2 | 2257.9 | 2290.3 | 2404.2 | 2541.8 | 2666.6 | 2790.5 | 2890.2 | 2901.6 | 2808.4 | 2630.9 |
| 35° | 1728.9 | 1769.7 | 1828.9 | 1888.2 | 2036.4 | 2163.8 | 2381.5 | 2571.2 | 2722.3 | 2742.3 | 2633.4 |
| 37.5° | 1393.3 | 1413.3 | 1450.9 | 1510.2 | 1607.1 | 1758.3 | 1926.7 | 2166.4 | 2385.4 | 2548.3 | 2555.3 |
| 40° | 1217.9 | 1223.7 | 1265.9 | 1311.2 | 1389.7 | 1514.1 | 1665.9 | 1877.8 | 2140.0 | 2367.5 | 2462.3 |
| 42.5° | 1086.3 | 1099.3 | 1117.2 | 1160.6 | 1223.1 | 1316.8 | 1458.0 | 1633.0 | 1873.4 | 2135.1 | 2320.6 |
| 45° | 933.4 | 948.2 | 959.3 | 988.2 | 1032.6 | 1095.6 | 1194.1 | 1354.2 | 1537.1 | 1807.4 | 2057.1 |
| 47.5° | 832.4 | 833.5 | 841.8 | 863.6 | 893.8 | 941.0 | 1010.7 | 1113.5 | 1281.5 | 1500.8 | 1757.1 |
| 50° | 760.1 | 771.8 | 774.9 | 791.8 | 815.6 | 850.4 | 908.1 | 995.6 | 1133.4 | 1326.0 | 1561.5 |
| 52.5° | 709.1 | 712.7 | 721.0 | 733.2 | 753.9 | 781.1 | 831.1 | 899.6 | 1007.8 | 1171.9 | 1388.5 |
| 55° | 634.0 | 634.0 | 642.2 | 651.9 | 663.7 | 688.2 | 721.5 | 771.8 | 854.1 | 981.5 | 1160.7 |
| 57.5° | 564.8 | 568.4 | 574.2 | 577.2 | 587.3 | 603.4 | 631.3 | 669.5 | 730.8 | 828.9 | 971.5 |
| 60° | 518.5 | 525.2 | 524.4 | 530.4 | 539.3 | 551.9 | 575.6 | 606.7 | 661.5 | 740.0 | 860.1 |
| 62.5° | 478.2 | 477.8 | 477.7 | 484.7 | 493.6 | 505.7 | 521.0 | 548.0 | 594.6 | 664.2 | 766.4 |
| 65° | 411.9 | 410.4 | 415.6 | 420.0 | 423.0 | 431.9 | 443.7 | 467.4 | 498.5 | 550.4 | 629.6 |
| 67.5° | 352.9 | 348.6 | 351.4 | 352.9 | 358.0 | 364.9 | 376.0 | 390.7 | 415.4 | 457.0 | 516.8 |
| 70° | 312.6 | 308.9 | 308.1 | 309.6 | 314.1 | 319.2 | 327.4 | 341.5 | 364.5 | 397.8 | 441.5 |
| 72.5° | 271.1 | 268.6 | 268.4 | 271.7 | 273.8 | 277.2 | 283.0 | 295.9 | 314.1 | 339.1 | 379.8 |
| 75° | 211.9 | 211.9 | 211.9 | 212.6 | 214.8 | 217.8 | 222.3 | 228.8 | 243.0 | 260.7 | 288.1 |
| 77.5° | 158.8 | 158.6 | 157.8 | 157.6 | 160.9 | 162.2 | 163.2 | 169.5 | 177.3 | 189.4 | 209.3 |
| 80° | 124.4 | 120.7 | 122.2 | 124.4 | 125.9 | 126.7 | 128.9 | 130.4 | 137.0 | 143.7 | 157.8 |
| 82.5° | 92.5 | 89.4 | 89.6 | 93.0 | 93.3 | 94.1 | 96.3 | 98.4 | 100.9 | 107.0 | 114.5 |
| 85° | 48.9 | 48.9 | 49.7 | 49.7 | 50.3 | 49.7 | 51.8 | 52.6 | 52.6 | 56.3 | 60.7 |
| 87.5° | 24.3 | 23.1 | 23.6 | 24.0 | 23.4 | 23.8 | 24.2 | 24.6 | 25.0 | 25.4 | 25.4 |
| 90° | 32.9 | 32.3 | 31.9 | 31.4 | 30.9 | 30.2 | 29.2 | 28.3 | 27.2 | 26.3 | 23.1 |
| 92.5° | 44.2 | 44.5 | 44.9 | 45.1 | 45.4 | 45.1 | 44.4 | 43.6 | 42.8 | 42.0 | 40.2 |
| 95° | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 84.9 | 84.0 | 82.9 | 82.0 | 81.1 | 79.1 |
| 97.5° | 131.4 | 131.5 | 131.6 | 131.7 | 131.8 | 131.3 | 130.2 | 129.0 | 127.9 | 126.8 | 125.4 |
| 100° | 166.5 | 166.0 | 165.5 | 165.0 | 164.5 | 163.9 | 163.2 | 162.4 | 161.7 | 161.0 | 159.8 |
| 102.5° | 202.4 | 202.5 | 202.6 | 202.6 | 202.7 | 202.5 | 201.7 | 201.0 | 200.3 | 199.5 | 197.9 |
| 105° | 260.6 | 260.1 | 259.7 | 259.2 | 258.7 | 258.4 | 258.4 | 258.4 | 258.4 | 258.4 | 256.3 |
| 107.5° | 321.3 | 321.6 | 321.9 | 322.2 | 322.4 | 322.3 | 321.5 | 320.7 | 319.9 | 319.1 | 318.2 |
| 110° | 362.5 | 363.0 | 363.4 | 363.9 | 364.4 | 364.2 | 363.3 | 362.2 | 361.3 | 360.3 | 359.8 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 406.3 | 406.4 | 406.5 | 406.6 | 406.7 | 406.1 | 405.0 | 403.8 | 402.7 | 401.4 | 401.3 |
| 115° | 466.6 | 466.7 | 467.0 | 467.2 | 467.5 | 467.5 | 467.2 | 467.0 | 466.7 | 466.6 | 467.0 |
| 117.5° | 527.6 | 528.3 | 529.0 | 529.7 | 530.4 | 530.7 | 530.7 | 530.8 | 530.8 | 530.9 | 531.6 |
| 120° | 570.5 | 571.1 | 571.6 | 572.0 | 572.5 | 572.9 | 573.2 | 573.3 | 573.6 | 573.8 | 575.0 |
| 122.5° | 611.7 | 612.4 | 613.1 | 613.8 | 614.4 | 615.1 | 615.8 | 616.4 | 617.0 | 617.6 | 618.3 |
| 125° | 673.5 | 674.5 | 675.4 | 676.5 | 677.4 | 678.3 | 679.4 | 680.3 | 681.3 | 682.3 | 682.8 |
| 127.5° | 735.1 | 736.1 | 737.3 | 738.4 | 739.5 | 740.7 | 742.2 | 743.5 | 744.9 | 746.2 | 746.8 |
| 130° | 775.3 | 777.0 | 778.7 | 780.4 | 782.1 | 783.5 | 784.5 | 785.4 | 786.5 | 787.4 | 788.2 |
| 132.5° | 817.4 | 818.7 | 820.0 | 821.3 | 822.7 | 823.9 | 825.1 | 826.2 | 827.4 | 828.6 | 829.1 |
| 135° | 882.7 | 883.2 | 883.6 | 884.1 | 884.6 | 885.3 | 886.3 | 887.3 | 888.3 | 889.2 | 889.5 |
| 137.5° | 940.3 | 941.2 | 942.2 | 943.0 | 944.0 | 944.9 | 945.9 | 947.0 | 948.0 | 949.0 | 948.4 |
| 140° | 978.0 | 979.7 | 981.4 | 983.1 | 984.8 | 985.7 | 986.0 | 986.2 | 986.5 | 986.7 | 986.5 |
| 142.5° | 1016.5 | 1017.9 | 1019.1 | 1020.4 | 1021.7 | 1022.6 | 1022.8 | 1023.0 | 1023.2 | 1023.5 | 1023.0 |
| 145° | 1072.1 | 1073.1 | 1074.0 | 1075.1 | 1076.0 | 1076.7 | 1076.9 | 1077.1 | 1077.3 | 1077.6 | 1076.9 |
| 147.5° | 1121.6 | 1123.0 | 1124.5 | 1126.0 | 1127.5 | 1128.2 | 1128.2 | 1128.2 | 1128.2 | 1128.2 | 1127.5 |
| 150° | 1153.2 | 1154.6 | 1156.1 | 1157.5 | 1159.0 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.2 |
| 152.5° | 1183.8 | 1185.1 | 1186.4 | 1187.6 | 1188.9 | 1189.3 | 1188.9 | 1188.5 | 1188.2 | 1187.8 | 1187.5 |
| 155° | 1225.4 | 1227.2 | 1228.9 | 1230.6 | 1232.3 | 1232.7 | 1231.6 | 1230.7 | 1229.7 | 1228.7 | 1228.5 |
| 157.5° | 1263.3 | 1264.7 | 1266.0 | 1267.4 | 1268.8 | 1268.9 | 1267.9 | 1266.9 | 1265.9 | 1264.9 | 1264.7 |
| 160° | 1287.9 | 1288.8 | 1289.8 | 1290.8 | 1291.8 | 1291.7 | 1290.4 | 1289.2 | 1288.0 | 1286.8 | 1286.8 |
| 162.5° | 1306.3 | 1307.8 | 1309.4 | 1310.9 | 1312.5 | 1312.7 | 1311.5 | 1310.2 | 1309.0 | 1307.8 | 1307.6 |
| 165° | 1332.8 | 1334.5 | 1336.1 | 1337.8 | 1339.5 | 1339.7 | 1338.2 | 1336.8 | 1335.3 | 1333.9 | 1333.9 |
| 167.5° | 1355.3 | 1356.8 | 1358.3 | 1359.8 | 1361.3 | 1361.3 | 1359.8 | 1358.3 | 1356.8 | 1355.3 | 1355.1 |
| 170° | 1366.7 | 1368.4 | 1370.1 | 1371.9 | 1373.6 | 1373.6 | 1371.9 | 1370.1 | 1368.4 | 1366.7 | 1366.7 |
| 172.5° | 1375.5 | 1377.1 | 1378.8 | 1380.5 | 1382.3 | 1382.4 | 1380.9 | 1379.4 | 1377.9 | 1376.4 | 1376.4 |
| 175° | 1385.3 | 1387.0 | 1388.7 | 1390.4 | 1392.1 | 1392.2 | 1390.8 | 1389.3 | 1387.9 | 1386.4 | 1386.4 |
| 177.5° | 1390.6 | 1391.9 | 1393.3 | 1394.7 | 1396.0 | 1396.1 | 1395.0 | 1393.8 | 1392.6 | 1391.5 | 1391.5 |
| 180° | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 |
| 2.5° | 1576.3 | 1571.6 | 1566.9 | 1558.6 | 1551.4 | 1541.3 | 1538.4 | 1534.8 | 1524.2 | 1514.8 | 1507.6 |
| 5° | 1672.6 | 1654.8 | 1628.9 | 1605.2 | 1586.0 | 1560.1 | 1545.2 | 1529.7 | 1507.4 | 1487.4 | 1471.1 |
| 7.5° | 1773.4 | 1738.4 | 1698.1 | 1654.5 | 1614.0 | 1574.9 | 1543.3 | 1515.1 | 1484.0 | 1454.5 | 1431.6 |
| 10° | 1853.4 | 1803.0 | 1746.7 | 1686.0 | 1634.1 | 1583.8 | 1541.5 | 1504.5 | 1464.5 | 1429.6 | 1400.8 |
| 12.5° | 1944.7 | 1870.0 | 1792.3 | 1718.5 | 1657.3 | 1587.3 | 1536.2 | 1489.1 | 1443.8 | 1401.8 | 1369.4 |
| 15° | 2052.7 | 1957.8 | 1866.0 | 1764.5 | 1671.1 | 1583.8 | 1523.1 | 1463.8 | 1411.2 | 1368.2 | 1326.7 |
| 17.5° | 2151.1 | 2043.6 | 1922.6 | 1799.1 | 1686.6 | 1582.9 | 1497.8 | 1430.9 | 1365.1 | 1312.5 | 1271.1 |
| 20° | 2206.8 | 2084.5 | 1947.5 | 1819.3 | 1694.9 | 1579.3 | 1486.0 | 1406.0 | 1334.8 | 1279.3 | 1232.7 |
| 22.5° | 2254.8 | 2111.8 | 1970.0 | 1833.0 | 1694.3 | 1569.8 | 1464.1 | 1381.7 | 1304.7 | 1250.3 | 1200.6 |
| 25° | 2304.5 | 2133.4 | 1991.2 | 1830.4 | 1675.7 | 1546.7 | 1428.2 | 1334.8 | 1257.8 | 1194.1 | 1143.0 |
| 27.5° | 2347.2 | 2131.9 | 1963.1 | 1790.3 | 1646.2 | 1517.1 | 1390.5 | 1290.4 | 1208.6 | 1139.4 | 1087.6 |
| 30° | 2375.6 | 2134.9 | 1934.1 | 1763.0 | 1617.9 | 1484.5 | 1361.5 | 1260.7 | 1174.9 | 1104.5 | 1055.6 |
| 32.5° | 2393.4 | 2133.1 | 1907.4 | 1725.1 | 1572.8 | 1454.8 | 1330.1 | 1225.8 | 1137.6 | 1068.4 | 1021.2 |
| 35° | 2403.8 | 2120.1 | 1861.5 | 1646.7 | 1500.1 | 1385.3 | 1280.8 | 1172.6 | 1080.1 | 1015.6 | 962.2 |
| 37.5° | 2383.0 | 2092.6 | 1808.2 | 1571.1 | 1410.6 | 1297.5 | 1209.7 | 1117.5 | 1028.9 | 958.0 | 912.0 |
| 40° | 2350.4 | 2074.9 | 1766.7 | 1517.9 | 1349.0 | 1240.0 | 1165.3 | 1074.9 | 987.4 | 920.0 | 877.0 |
| 42.5° | 2288.2 | 2038.7 | 1721.1 | 1458.6 | 1285.0 | 1176.0 | 1107.1 | 1031.6 | 949.0 | 885.6 | 842.7 |
| 45° | 2136.4 | 1960.0 | 1652.7 | 1369.7 | 1190.4 | 1077.8 | 1017.1 | 962.2 | 887.4 | 826.0 | 788.9 |
| 47.5° | 1925.7 | 1841.7 | 1553.7 | 1275.9 | 1091.7 | 983.4 | 920.3 | 876.2 | 821.5 | 771.8 | 736.3 |
| 50° | 1779.3 | 1744.5 | 1486.7 | 1211.9 | 1026.0 | 920.0 | 859.3 | 819.3 | 780.0 | 730.4 | 697.8 |
| 52.5° | 1610.4 | 1631.9 | 1408.5 | 1145.5 | 959.0 | 854.9 | 797.7 | 765.9 | 730.3 | 689.5 | 661.1 |
| 55° | 1372.6 | 1450.4 | 1273.4 | 1034.1 | 859.3 | 760.1 | 706.0 | 677.8 | 657.0 | 626.7 | 602.3 |
| 57.5° | 1150.0 | 1249.0 | 1127.3 | 919.3 | 761.4 | 675.7 | 623.9 | 593.2 | 579.9 | 564.0 | 544.8 |
| 60° | 1017.9 | 1115.6 | 1023.0 | 842.3 | 695.6 | 614.1 | 568.2 | 542.2 | 528.9 | 517.8 | 501.5 |
| 62.5° | 899.8 | 998.8 | 921.1 | 764.0 | 630.9 | 555.4 | 515.4 | 490.1 | 479.8 | 473.9 | 460.1 |
| 65° | 737.8 | 823.0 | 771.1 | 642.2 | 538.6 | 471.8 | 435.5 | 417.8 | 408.1 | 406.0 | 397.1 |
| 67.5° | 600.5 | 665.3 | 627.5 | 532.7 | 451.1 | 393.5 | 362.7 | 347.6 | 340.2 | 339.4 | 332.7 |
| 70° | 510.4 | 571.1 | 542.2 | 456.3 | 386.0 | 340.7 | 314.1 | 300.8 | 296.3 | 295.6 | 291.9 |
| 72.5° | 440.5 | 482.9 | 459.9 | 388.1 | 333.8 | 292.8 | 273.1 | 259.3 | 254.2 | 255.2 | 252.8 |
| 75° | 325.9 | 357.8 | 344.5 | 294.8 | 251.1 | 224.4 | 208.1 | 199.3 | 194.8 | 197.1 | 194.1 |
| 77.5° | 234.5 | 254.7 | 242.7 | 208.3 | 181.3 | 162.1 | 150.1 | 144.6 | 140.6 | 140.4 | 139.1 |
| 80° | 177.0 | 188.9 | 182.2 | 161.5 | 139.3 | 123.0 | 113.3 | 109.6 | 107.4 | 106.7 | 105.9 |
| 82.5° | 126.1 | 136.2 | 128.3 | 114.0 | 99.0 | 89.2 | 83.7 | 78.8 | 77.2 | 77.7 | 76.9 |
| 85° | 63.7 | 67.4 | 64.5 | 55.5 | 49.7 | 45.1 | 42.2 | 40.0 | 38.5 | 39.3 | 37.8 |
| 87.5° | 25.9 | 25.9 | 23.5 | 20.5 | 18.9 | 16.6 | 16.1 | 14.4 | 13.8 | 14.2 | 14.1 |
| 90° | 20.0 | 16.8 | 13.7 | 10.8 | 8.4 | 5.9 | 3.5 | 1.1 | 3.5 | 5.9 | 8.4 |
| 92.5° | 38.5 | 36.7 | 34.9 | 33.1 | 31.5 | 29.8 | 28.2 | 26.5 | 28.2 | 29.8 | 31.5 |
| 95° | 77.1 | 75.2 | 73.2 | 71.4 | 69.7 | 68.1 | 66.4 | 64.7 | 66.4 | 68.1 | 69.7 |
| 97.5° | 124.0 | 122.6 | 121.2 | 119.8 | 118.6 | 117.3 | 116.0 | 114.8 | 116.0 | 117.3 | 118.6 |
| 100° | 158.5 | 157.3 | 156.1 | 154.8 | 153.4 | 151.8 | 150.4 | 148.9 | 150.4 | 151.8 | 153.4 |
| 102.5° | 196.3 | 194.7 | 193.1 | 191.9 | 191.0 | 190.1 | 189.3 | 188.3 | 189.3 | 190.1 | 191.0 |
| 105° | 254.1 | 251.8 | 249.7 | 248.4 | 247.9 | 247.4 | 246.9 | 246.4 | 246.9 | 247.4 | 247.9 |
| 107.5° | 317.4 | 316.5 | 315.7 | 315.0 | 314.7 | 314.4 | 314.1 | 313.9 | 314.1 | 314.4 | 314.7 |
| 110° | 359.3 | 358.8 | 358.4 | 357.9 | 357.4 | 356.8 | 356.4 | 355.9 | 356.4 | 356.8 | 357.4 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 401.2 | 401.1 | 401.1 | 400.9 | 400.6 | 400.3 | 400.0 | 399.7 | 400.0 | 400.3 | 400.6 |
| 115° | 467.5 | 468.0 | 468.4 | 468.3 | 467.6 | 466.8 | 466.2 | 465.4 | 466.2 | 466.8 | 467.6 |
| 117.5° | 532.2 | 532.8 | 533.5 | 533.5 | 533.0 | 532.5 | 532.1 | 531.6 | 532.1 | 532.5 | 533.0 |
| 120° | 576.3 | 577.5 | 578.7 | 578.6 | 577.1 | 575.7 | 574.2 | 572.8 | 574.2 | 575.7 | 577.1 |
| 122.5° | 618.9 | 619.5 | 620.2 | 620.0 | 618.9 | 617.8 | 616.7 | 615.7 | 616.7 | 617.8 | 618.9 |
| 125° | 683.2 | 683.7 | 684.2 | 684.1 | 683.3 | 682.6 | 681.9 | 681.2 | 681.9 | 682.6 | 683.3 |
| 127.5° | 747.2 | 747.8 | 748.4 | 747.8 | 746.3 | 744.7 | 743.2 | 741.6 | 743.2 | 744.7 | 746.3 |
| 130° | 788.8 | 789.6 | 790.3 | 789.7 | 787.8 | 785.8 | 783.8 | 781.9 | 783.8 | 785.8 | 787.8 |
| 132.5° | 829.6 | 830.2 | 830.8 | 830.0 | 828.0 | 826.1 | 824.2 | 822.2 | 824.2 | 826.1 | 828.0 |
| 135° | 889.8 | 889.9 | 890.2 | 889.6 | 888.2 | 886.6 | 885.2 | 883.7 | 885.2 | 886.6 | 888.2 |
| 137.5° | 947.7 | 947.2 | 946.5 | 945.6 | 944.3 | 943.1 | 941.9 | 940.8 | 941.9 | 943.1 | 944.3 |
| 140° | 986.2 | 986.0 | 985.7 | 985.0 | 983.8 | 982.6 | 981.4 | 980.1 | 981.4 | 982.6 | 983.8 |
| 142.5° | 1022.7 | 1022.2 | 1021.7 | 1021.0 | 1019.7 | 1018.5 | 1017.3 | 1016.1 | 1017.3 | 1018.5 | 1019.7 |
| 145° | 1076.1 | 1075.4 | 1074.7 | 1074.0 | 1073.6 | 1073.1 | 1072.6 | 1072.1 | 1072.6 | 1073.1 | 1073.6 |
| 147.5° | 1126.8 | 1126.1 | 1125.5 | 1124.7 | 1123.8 | 1122.9 | 1122.1 | 1121.2 | 1122.1 | 1122.9 | 1123.8 |
| 150° | 1158.8 | 1158.3 | 1157.8 | 1157.3 | 1156.8 | 1156.3 | 1155.8 | 1155.4 | 1155.8 | 1156.3 | 1156.8 |
| 152.5° | 1187.2 | 1186.8 | 1186.6 | 1186.1 | 1185.4 | 1184.8 | 1184.1 | 1183.4 | 1184.1 | 1184.8 | 1185.4 |
| 155° | 1228.2 | 1228.0 | 1227.8 | 1227.7 | 1227.7 | 1227.7 | 1227.7 | 1227.7 | 1227.7 | 1227.7 | 1227.7 |
| 157.5° | 1264.5 | 1264.3 | 1264.0 | 1264.1 | 1264.4 | 1264.7 | 1265.0 | 1265.3 | 1265.0 | 1264.7 | 1264.4 |
| 160° | 1286.8 | 1286.8 | 1286.8 | 1287.0 | 1287.5 | 1288.0 | 1288.5 | 1288.9 | 1288.5 | 1288.0 | 1287.5 |
| 162.5° | 1307.4 | 1307.2 | 1307.0 | 1307.3 | 1308.0 | 1308.6 | 1309.3 | 1309.9 | 1309.3 | 1308.6 | 1308.0 |
| 165° | 1333.9 | 1333.9 | 1333.9 | 1334.3 | 1334.9 | 1335.7 | 1336.4 | 1337.2 | 1336.4 | 1335.7 | 1334.9 |
| 167.5° | 1354.9 | 1354.7 | 1354.5 | 1354.9 | 1355.9 | 1356.9 | 1357.8 | 1358.9 | 1357.8 | 1356.9 | 1355.9 |
| 170° | 1366.7 | 1366.7 | 1366.7 | 1367.2 | 1368.2 | 1369.1 | 1370.1 | 1371.1 | 1370.1 | 1369.1 | 1368.2 |
| 172.5° | 1376.4 | 1376.4 | 1376.4 | 1376.9 | 1377.8 | 1378.8 | 1379.8 | 1380.7 | 1379.8 | 1378.8 | 1377.8 |
| 175° | 1386.4 | 1386.4 | 1386.4 | 1387.0 | 1387.9 | 1388.8 | 1389.9 | 1390.8 | 1389.9 | 1388.8 | 1387.9 |
| 177.5° | 1391.5 | 1391.5 | 1391.5 | 1391.9 | 1392.6 | 1393.5 | 1394.2 | 1395.0 | 1394.2 | 1393.5 | 1392.6 |
| 180° | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 |
| 2.5° | 1503.4 | 1499.3 | 1493.4 | 1484.5 | 1477.3 | 1466.1 | 1466.1 | 1467.9 | 1467.9 | 1467.4 | 1466.1 |
| 5° | 1457.8 | 1446.7 | 1433.4 | 1417.9 | 1401.6 | 1385.3 | 1382.2 | 1376.3 | 1371.9 | 1368.9 | 1365.3 |
| 7.5° | 1409.7 | 1390.0 | 1370.6 | 1348.8 | 1328.9 | 1312.5 | 1301.1 | 1291.6 | 1285.5 | 1279.0 | 1274.2 |
| 10° | 1377.1 | 1352.6 | 1329.6 | 1306.7 | 1281.5 | 1261.5 | 1249.0 | 1240.0 | 1233.4 | 1227.5 | 1224.5 |
| 12.5° | 1338.6 | 1310.6 | 1285.3 | 1263.5 | 1235.9 | 1215.3 | 1203.3 | 1199.1 | 1191.3 | 1178.8 | 1172.3 |
| 15° | 1282.2 | 1256.3 | 1226.0 | 1192.6 | 1179.3 | 1154.1 | 1140.0 | 1133.4 | 1128.9 | 1119.3 | 1116.3 |
| 17.5° | 1234.1 | 1200.1 | 1166.1 | 1141.2 | 1116.4 | 1096.0 | 1088.2 | 1079.9 | 1073.9 | 1066.1 | 1063.8 |
| 20° | 1195.6 | 1165.3 | 1134.1 | 1107.5 | 1081.5 | 1059.3 | 1052.6 | 1046.7 | 1040.8 | 1037.1 | 1034.1 |
| 22.5° | 1156.5 | 1126.1 | 1100.3 | 1075.4 | 1047.7 | 1033.2 | 1026.0 | 1019.5 | 1015.3 | 1012.8 | 1009.8 |
| 25° | 1101.5 | 1074.9 | 1045.9 | 1023.7 | 1001.5 | 991.8 | 987.4 | 983.7 | 980.8 | 977.0 | 976.3 |
| 27.5° | 1052.3 | 1023.3 | 999.8 | 979.1 | 963.2 | 955.2 | 950.8 | 949.0 | 949.7 | 951.0 | 951.9 |
| 30° | 1015.6 | 988.9 | 969.7 | 951.9 | 937.1 | 929.6 | 928.9 | 928.9 | 931.9 | 932.6 | 934.1 |
| 32.5° | 981.8 | 959.9 | 940.7 | 923.4 | 912.2 | 907.1 | 909.9 | 909.9 | 912.3 | 914.3 | 916.9 |
| 35° | 932.6 | 913.3 | 898.5 | 883.7 | 874.1 | 876.3 | 877.8 | 879.3 | 883.0 | 887.4 | 890.4 |
| 37.5° | 885.6 | 868.9 | 853.5 | 842.0 | 837.5 | 841.5 | 845.1 | 848.2 | 852.4 | 855.9 | 858.8 |
| 40° | 851.9 | 839.2 | 824.4 | 814.1 | 815.6 | 817.8 | 820.8 | 824.4 | 828.2 | 830.4 | 833.4 |
| 42.5° | 820.5 | 807.3 | 796.1 | 787.4 | 789.5 | 792.3 | 794.1 | 796.1 | 800.3 | 804.4 | 806.1 |
| 45° | 772.6 | 762.2 | 751.9 | 746.7 | 748.2 | 749.7 | 751.1 | 753.4 | 757.1 | 760.1 | 760.7 |
| 47.5° | 718.9 | 711.6 | 704.6 | 699.6 | 701.9 | 701.3 | 703.3 | 708.0 | 709.2 | 711.0 | 715.1 |
| 50° | 684.5 | 677.8 | 669.7 | 668.2 | 668.2 | 668.2 | 668.9 | 674.9 | 674.9 | 677.8 | 680.8 |
| 52.5° | 646.6 | 642.2 | 637.1 | 634.4 | 633.2 | 633.2 | 636.3 | 639.3 | 640.5 | 644.6 | 647.6 |
| 55° | 590.4 | 586.0 | 581.5 | 579.3 | 577.8 | 579.3 | 585.2 | 586.6 | 590.4 | 592.6 | 594.8 |
| 57.5° | 531.9 | 528.5 | 524.9 | 523.7 | 523.4 | 525.4 | 528.6 | 533.0 | 534.0 | 540.7 | 544.1 |
| 60° | 493.3 | 488.1 | 485.2 | 485.2 | 483.7 | 490.4 | 488.9 | 496.3 | 497.8 | 502.3 | 507.5 |
| 62.5° | 453.6 | 446.7 | 445.5 | 445.5 | 447.6 | 449.5 | 451.6 | 454.9 | 458.6 | 464.3 | 468.3 |
| 65° | 389.6 | 386.0 | 391.2 | 390.4 | 388.9 | 393.3 | 393.3 | 397.1 | 401.5 | 406.7 | 414.8 |
| 67.5° | 329.0 | 327.2 | 327.5 | 327.5 | 329.8 | 332.3 | 334.4 | 337.6 | 343.0 | 348.5 | 353.8 |
| 70° | 288.1 | 290.4 | 286.7 | 289.6 | 291.9 | 292.6 | 294.1 | 298.5 | 304.4 | 308.1 | 314.1 |
| 72.5° | 248.5 | 248.3 | 248.7 | 250.0 | 252.1 | 253.4 | 255.0 | 260.0 | 266.6 | 269.7 | 274.4 |
| 75° | 191.1 | 190.4 | 192.6 | 192.6 | 196.3 | 197.7 | 199.3 | 201.5 | 207.5 | 211.9 | 215.6 |
| 77.5° | 139.6 | 140.4 | 140.0 | 142.5 | 141.5 | 141.8 | 146.4 | 148.6 | 149.2 | 158.0 | 159.9 |
| 80° | 105.2 | 106.7 | 107.4 | 108.1 | 108.9 | 107.4 | 112.6 | 114.8 | 114.8 | 120.0 | 123.7 |
| 82.5° | 75.6 | 76.4 | 78.4 | 79.1 | 79.3 | 80.8 | 81.2 | 82.8 | 84.6 | 86.8 | 91.7 |
| 85° | 37.8 | 40.0 | 40.7 | 40.0 | 40.7 | 39.3 | 41.5 | 42.2 | 43.0 | 43.0 | 43.0 |
| 87.5° | 14.0 | 15.2 | 15.2 | 16.4 | 16.5 | 17.7 | 17.9 | 16.9 | 17.1 | 19.0 | 16.9 |
| 90° | 10.8 | 13.7 | 16.8 | 20.0 | 23.1 | 26.3 | 27.2 | 28.3 | 29.2 | 30.2 | 30.9 |
| 92.5° | 33.1 | 34.9 | 36.7 | 38.5 | 40.2 | 42.0 | 42.8 | 43.6 | 44.4 | 45.1 | 45.4 |
| 95° | 71.4 | 73.2 | 75.2 | 77.1 | 79.1 | 81.1 | 82.0 | 82.9 | 84.0 | 84.9 | 85.4 |
| 97.5° | 119.8 | 121.2 | 122.6 | 124.0 | 125.4 | 126.8 | 127.9 | 129.0 | 130.2 | 131.3 | 131.8 |
| 100° | 154.8 | 156.1 | 157.3 | 158.5 | 159.8 | 161.0 | 161.7 | 162.4 | 163.2 | 163.9 | 164.5 |
| 102.5° | 191.9 | 193.1 | 194.7 | 196.3 | 197.9 | 199.5 | 200.3 | 201.0 | 201.7 | 202.5 | 202.7 |
| 105° | 248.4 | 249.7 | 251.8 | 254.1 | 256.3 | 258.4 | 258.4 | 258.4 | 258.4 | 258.4 | 258.7 |
| 107.5° | 315.0 | 315.7 | 316.5 | 317.4 | 318.2 | 319.1 | 319.9 | 320.7 | 321.5 | 322.3 | 322.4 |
| 110° | 357.9 | 358.4 | 358.8 | 359.3 | 359.8 | 360.3 | 361.3 | 362.2 | 363.3 | 364.2 | 364.4 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 400.9 | 401.1 | 401.1 | 401.2 | 401.3 | 401.4 | 402.7 | 403.8 | 405.0 | 406.1 | 406.7 |
| 115° | 468.3 | 468.4 | 468.0 | 467.5 | 467.0 | 466.6 | 466.7 | 467.0 | 467.2 | 467.5 | 467.5 |
| 117.5° | 533.5 | 533.5 | 532.8 | 532.2 | 531.6 | 530.9 | 530.8 | 530.8 | 530.7 | 530.7 | 530.4 |
| 120° | 578.6 | 578.7 | 577.5 | 576.3 | 575.0 | 573.8 | 573.6 | 573.3 | 573.2 | 572.9 | 572.5 |
| 122.5° | 620.0 | 620.2 | 619.5 | 618.9 | 618.3 | 617.6 | 617.0 | 616.4 | 615.8 | 615.1 | 614.4 |
| 125° | 684.1 | 684.2 | 683.7 | 683.2 | 682.8 | 682.3 | 681.3 | 680.3 | 679.4 | 678.3 | 677.4 |
| 127.5° | 747.8 | 748.4 | 747.8 | 747.2 | 746.8 | 746.2 | 744.9 | 743.5 | 742.2 | 740.7 | 739.5 |
| 130° | 789.7 | 790.3 | 789.6 | 788.8 | 788.2 | 787.4 | 786.5 | 785.4 | 784.5 | 783.5 | 782.1 |
| 132.5° | 830.0 | 830.8 | 830.2 | 829.6 | 829.1 | 828.6 | 827.4 | 826.2 | 825.1 | 823.9 | 822.7 |
| 135° | 889.6 | 890.2 | 889.9 | 889.8 | 889.5 | 889.2 | 888.3 | 887.3 | 886.3 | 885.3 | 884.6 |
| 137.5° | 945.6 | 946.5 | 947.2 | 947.7 | 948.4 | 949.0 | 948.0 | 947.0 | 945.9 | 944.9 | 944.0 |
| 140° | 985.0 | 985.7 | 986.0 | 986.2 | 986.5 | 986.7 | 986.5 | 986.2 | 986.0 | 985.7 | 984.8 |
| 142.5° | 1021.0 | 1021.7 | 1022.2 | 1022.7 | 1023.0 | 1023.5 | 1023.2 | 1023.0 | 1022.8 | 1022.6 | 1021.7 |
| 145° | 1074.0 | 1074.7 | 1075.4 | 1076.1 | 1076.9 | 1077.6 | 1077.3 | 1077.1 | 1076.9 | 1076.7 | 1076.0 |
| 147.5° | 1124.7 | 1125.5 | 1126.1 | 1126.8 | 1127.5 | 1128.2 | 1128.2 | 1128.2 | 1128.2 | 1128.2 | 1127.5 |
| 150° | 1157.3 | 1157.8 | 1158.3 | 1158.8 | 1159.2 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.0 |
| 152.5° | 1186.1 | 1186.6 | 1186.8 | 1187.2 | 1187.5 | 1187.8 | 1188.2 | 1188.5 | 1188.9 | 1189.3 | 1188.9 |
| 155° | 1227.7 | 1227.8 | 1228.0 | 1228.2 | 1228.5 | 1228.7 | 1229.7 | 1230.7 | 1231.6 | 1232.7 | 1232.3 |
| 157.5° | 1264.1 | 1264.0 | 1264.3 | 1264.5 | 1264.7 | 1264.9 | 1265.9 | 1266.9 | 1267.9 | 1268.9 | 1268.8 |
| 160° | 1287.0 | 1286.8 | 1286.8 | 1286.8 | 1286.8 | 1286.8 | 1288.0 | 1289.2 | 1290.4 | 1291.7 | 1291.8 |
| 162.5° | 1307.3 | 1307.0 | 1307.2 | 1307.4 | 1307.6 | 1307.8 | 1309.0 | 1310.2 | 1311.5 | 1312.7 | 1312.5 |
| 165° | 1334.3 | 1333.9 | 1333.9 | 1333.9 | 1333.9 | 1333.9 | 1335.3 | 1336.8 | 1338.2 | 1339.7 | 1339.5 |
| 167.5° | 1354.9 | 1354.5 | 1354.7 | 1354.9 | 1355.1 | 1355.3 | 1356.8 | 1358.3 | 1359.8 | 1361.3 | 1361.3 |
| 170° | 1367.2 | 1366.7 | 1366.7 | 1366.7 | 1366.7 | 1366.7 | 1368.4 | 1370.1 | 1371.9 | 1373.6 | 1373.6 |
| 172.5° | 1376.9 | 1376.4 | 1376.4 | 1376.4 | 1376.4 | 1376.4 | 1377.9 | 1379.4 | 1380.9 | 1382.4 | 1382.3 |
| 175° | 1387.0 | 1386.4 | 1386.4 | 1386.4 | 1386.4 | 1386.4 | 1387.9 | 1389.3 | 1390.8 | 1392.2 | 1392.1 |
| 177.5° | 1391.9 | 1391.5 | 1391.5 | 1391.5 | 1391.5 | 1391.5 | 1392.6 | 1393.8 | 1395.0 | 1396.1 | 1396.0 |
| 180° | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 |
| 2.5° | 1462.0 | 1461.4 | 1465.6 | 1462.5 | 1465.6 | 1461.4 | 1462.0 | 1466.1 | 1467.4 | 1467.9 | 1467.9 |
| 5° | 1360.7 | 1363.0 | 1355.6 | 1355.6 | 1355.6 | 1363.0 | 1360.7 | 1365.3 | 1368.9 | 1371.9 | 1376.3 |
| 7.5° | 1270.7 | 1267.4 | 1267.7 | 1263.8 | 1267.7 | 1267.4 | 1270.7 | 1274.2 | 1279.0 | 1285.5 | 1291.6 |
| 10° | 1215.6 | 1211.2 | 1209.7 | 1210.4 | 1209.7 | 1211.2 | 1215.6 | 1224.5 | 1227.5 | 1233.4 | 1240.0 |
| 12.5° | 1170.0 | 1169.0 | 1159.3 | 1159.4 | 1159.3 | 1169.0 | 1170.0 | 1172.3 | 1178.8 | 1191.3 | 1199.1 |
| 15° | 1116.3 | 1102.3 | 1100.8 | 1105.2 | 1100.8 | 1102.3 | 1116.3 | 1116.3 | 1119.3 | 1128.9 | 1133.4 |
| 17.5° | 1062.5 | 1055.2 | 1055.6 | 1053.4 | 1055.6 | 1055.2 | 1062.5 | 1063.8 | 1066.1 | 1073.9 | 1079.9 |
| 20° | 1034.1 | 1029.6 | 1028.9 | 1023.7 | 1028.9 | 1029.6 | 1034.1 | 1034.1 | 1037.1 | 1040.8 | 1046.7 |
| 22.5° | 1008.0 | 1006.5 | 1007.0 | 1001.3 | 1007.0 | 1006.5 | 1008.0 | 1009.8 | 1012.8 | 1015.3 | 1019.5 |
| 25° | 975.6 | 979.3 | 976.3 | 976.3 | 976.3 | 979.3 | 975.6 | 976.3 | 977.0 | 980.8 | 983.7 |
| 27.5° | 953.7 | 953.5 | 952.1 | 952.1 | 952.1 | 953.5 | 953.7 | 951.9 | 951.0 | 949.7 | 949.0 |
| 30° | 937.1 | 936.3 | 937.8 | 937.8 | 937.8 | 936.3 | 937.1 | 934.1 | 932.6 | 931.9 | 928.9 |
| 32.5° | 920.5 | 921.5 | 921.8 | 922.4 | 921.8 | 921.5 | 920.5 | 916.9 | 914.3 | 912.3 | 909.9 |
| 35° | 894.8 | 895.6 | 897.8 | 896.4 | 897.8 | 895.6 | 894.8 | 890.4 | 887.4 | 883.0 | 879.3 |
| 37.5° | 860.2 | 863.6 | 862.8 | 864.0 | 862.8 | 863.6 | 860.2 | 858.8 | 855.9 | 852.4 | 848.2 |
| 40° | 834.1 | 836.3 | 835.6 | 835.6 | 835.6 | 836.3 | 834.1 | 833.4 | 830.4 | 828.2 | 824.4 |
| 42.5° | 807.5 | 809.1 | 807.1 | 806.0 | 807.1 | 809.1 | 807.5 | 806.1 | 804.4 | 800.3 | 796.1 |
| 45° | 763.7 | 762.2 | 764.5 | 761.5 | 764.5 | 762.2 | 763.7 | 760.7 | 760.1 | 757.1 | 753.4 |
| 47.5° | 714.8 | 716.3 | 716.9 | 719.2 | 716.9 | 716.3 | 714.8 | 715.1 | 711.0 | 709.2 | 708.0 |
| 50° | 682.2 | 686.6 | 686.6 | 686.0 | 686.6 | 686.6 | 682.2 | 680.8 | 677.8 | 674.9 | 674.9 |
| 52.5° | 650.3 | 652.3 | 655.3 | 655.2 | 655.3 | 652.3 | 650.3 | 647.6 | 644.6 | 640.5 | 639.3 |
| 55° | 600.8 | 602.3 | 603.7 | 604.5 | 603.7 | 602.3 | 600.8 | 594.8 | 592.6 | 590.4 | 586.6 |
| 57.5° | 549.5 | 548.9 | 552.4 | 553.5 | 552.4 | 548.9 | 549.5 | 544.1 | 540.7 | 534.0 | 533.0 |
| 60° | 513.3 | 513.3 | 519.2 | 521.5 | 519.2 | 513.3 | 513.3 | 507.5 | 502.3 | 497.8 | 496.3 |
| 62.5° | 474.9 | 477.2 | 483.1 | 480.0 | 483.1 | 477.2 | 474.9 | 468.3 | 464.3 | 458.6 | 454.9 |
| 65° | 418.5 | 424.4 | 423.7 | 426.7 | 423.7 | 424.4 | 418.5 | 414.8 | 406.7 | 401.5 | 397.1 |
| 67.5° | 359.7 | 363.4 | 368.7 | 369.2 | 368.7 | 363.4 | 359.7 | 353.8 | 348.5 | 343.0 | 337.6 |
| 70° | 320.0 | 323.7 | 326.7 | 328.9 | 326.7 | 323.7 | 320.0 | 314.1 | 308.1 | 304.4 | 298.5 |
| 72.5° | 281.5 | 283.4 | 290.5 | 287.4 | 290.5 | 283.4 | 281.5 | 274.4 | 269.7 | 266.6 | 260.0 |
| 75° | 220.7 | 225.9 | 230.4 | 228.2 | 230.4 | 225.9 | 220.7 | 215.6 | 211.9 | 207.5 | 201.5 |
| 77.5° | 163.2 | 168.4 | 170.5 | 168.6 | 170.5 | 168.4 | 163.2 | 159.9 | 158.0 | 149.2 | 148.6 |
| 80° | 128.9 | 128.2 | 132.6 | 131.9 | 132.6 | 128.2 | 128.9 | 123.7 | 120.0 | 114.8 | 114.8 |
| 82.5° | 94.5 | 93.8 | 95.9 | 96.3 | 95.9 | 93.8 | 94.5 | 91.7 | 86.8 | 84.6 | 82.8 |
| 85° | 45.9 | 48.2 | 45.1 | 44.5 | 45.1 | 48.2 | 45.9 | 43.0 | 43.0 | 43.0 | 42.2 |
| 87.5° | 17.0 | 17.1 | 16.6 | 16.0 | 16.6 | 17.1 | 17.0 | 16.9 | 19.0 | 17.1 | 16.9 |
| 90° | 31.4 | 31.9 | 32.3 | 32.9 | 32.3 | 31.9 | 31.4 | 30.9 | 30.2 | 29.2 | 28.3 |
| 92.5° | 45.1 | 44.9 | 44.5 | 44.2 | 44.5 | 44.9 | 45.1 | 45.4 | 45.1 | 44.4 | 43.6 |
| 95° | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 84.9 | 84.0 | 82.9 |
| 97.5° | 131.7 | 131.6 | 131.5 | 131.4 | 131.5 | 131.6 | 131.7 | 131.8 | 131.3 | 130.2 | 129.0 |
| 100° | 165.0 | 165.5 | 166.0 | 166.5 | 166.0 | 165.5 | 165.0 | 164.5 | 163.9 | 163.2 | 162.4 |
| 102.5° | 202.6 | 202.6 | 202.5 | 202.4 | 202.5 | 202.6 | 202.6 | 202.7 | 202.5 | 201.7 | 201.0 |
| 105° | 259.2 | 259.7 | 260.1 | 260.6 | 260.1 | 259.7 | 259.2 | 258.7 | 258.4 | 258.4 | 258.4 |
| 107.5° | 322.2 | 321.9 | 321.6 | 321.3 | 321.6 | 321.9 | 322.2 | 322.4 | 322.3 | 321.5 | 320.7 |
| 110° | 363.9 | 363.4 | 363.0 | 362.5 | 363.0 | 363.4 | 363.9 | 364.4 | 364.2 | 363.3 | 362.2 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 406.6 | 406.5 | 406.4 | 406.3 | 406.4 | 406.5 | 406.6 | 406.7 | 406.1 | 405.0 | 403.8 |
| 115° | 467.2 | 467.0 | 466.7 | 466.6 | 466.7 | 467.0 | 467.2 | 467.5 | 467.5 | 467.2 | 467.0 |
| 117.5° | 529.7 | 529.0 | 528.3 | 527.6 | 528.3 | 529.0 | 529.7 | 530.4 | 530.7 | 530.7 | 530.8 |
| 120° | 572.0 | 571.6 | 571.1 | 570.5 | 571.1 | 571.6 | 572.0 | 572.5 | 572.9 | 573.2 | 573.3 |
| 122.5° | 613.8 | 613.1 | 612.4 | 611.7 | 612.4 | 613.1 | 613.8 | 614.4 | 615.1 | 615.8 | 616.4 |
| 125° | 676.5 | 675.4 | 674.5 | 673.5 | 674.5 | 675.4 | 676.5 | 677.4 | 678.3 | 679.4 | 680.3 |
| 127.5° | 738.4 | 737.3 | 736.1 | 735.1 | 736.1 | 737.3 | 738.4 | 739.5 | 740.7 | 742.2 | 743.5 |
| 130° | 780.4 | 778.7 | 777.0 | 775.3 | 777.0 | 778.7 | 780.4 | 782.1 | 783.5 | 784.5 | 785.4 |
| 132.5° | 821.3 | 820.0 | 818.7 | 817.4 | 818.7 | 820.0 | 821.3 | 822.7 | 823.9 | 825.1 | 826.2 |
| 135° | 884.1 | 883.6 | 883.2 | 882.7 | 883.2 | 883.6 | 884.1 | 884.6 | 885.3 | 886.3 | 887.3 |
| 137.5° | 943.0 | 942.2 | 941.2 | 940.3 | 941.2 | 942.2 | 943.0 | 944.0 | 944.9 | 945.9 | 947.0 |
| 140° | 983.1 | 981.4 | 979.7 | 978.0 | 979.7 | 981.4 | 983.1 | 984.8 | 985.7 | 986.0 | 986.2 |
| 142.5° | 1020.4 | 1019.1 | 1017.9 | 1016.5 | 1017.9 | 1019.1 | 1020.4 | 1021.7 | 1022.6 | 1022.8 | 1023.0 |
| 145° | 1075.1 | 1074.0 | 1073.1 | 1072.1 | 1073.1 | 1074.0 | 1075.1 | 1076.0 | 1076.7 | 1076.9 | 1077.1 |
| 147.5° | 1126.0 | 1124.5 | 1123.0 | 1121.6 | 1123.0 | 1124.5 | 1126.0 | 1127.5 | 1128.2 | 1128.2 | 1128.2 |
| 150° | 1157.5 | 1156.1 | 1154.6 | 1153.2 | 1154.6 | 1156.1 | 1157.5 | 1159.0 | 1159.7 | 1159.7 | 1159.7 |
| 152.5° | 1187.6 | 1186.4 | 1185.1 | 1183.8 | 1185.1 | 1186.4 | 1187.6 | 1188.9 | 1189.3 | 1188.9 | 1188.5 |
| 155° | 1230.6 | 1228.9 | 1227.2 | 1225.4 | 1227.2 | 1228.9 | 1230.6 | 1232.3 | 1232.7 | 1231.6 | 1230.7 |
| 157.5° | 1267.4 | 1266.0 | 1264.7 | 1263.3 | 1264.7 | 1266.0 | 1267.4 | 1268.8 | 1268.9 | 1267.9 | 1266.9 |
| 160° | 1290.8 | 1289.8 | 1288.8 | 1287.9 | 1288.8 | 1289.8 | 1290.8 | 1291.8 | 1291.7 | 1290.4 | 1289.2 |
| 162.5° | 1310.9 | 1309.4 | 1307.8 | 1306.3 | 1307.8 | 1309.4 | 1310.9 | 1312.5 | 1312.7 | 1311.5 | 1310.2 |
| 165° | 1337.8 | 1336.1 | 1334.5 | 1332.8 | 1334.5 | 1336.1 | 1337.8 | 1339.5 | 1339.7 | 1338.2 | 1336.8 |
| 167.5° | 1359.8 | 1358.3 | 1356.8 | 1355.3 | 1356.8 | 1358.3 | 1359.8 | 1361.3 | 1361.3 | 1359.8 | 1358.3 |
| 170° | 1371.9 | 1370.1 | 1368.4 | 1366.7 | 1368.4 | 1370.1 | 1371.9 | 1373.6 | 1373.6 | 1371.9 | 1370.1 |
| 172.5° | 1380.5 | 1378.8 | 1377.1 | 1375.5 | 1377.1 | 1378.8 | 1380.5 | 1382.3 | 1382.4 | 1380.9 | 1379.4 |
| 175° | 1390.4 | 1388.7 | 1387.0 | 1385.3 | 1387.0 | 1388.7 | 1390.4 | 1392.1 | 1392.2 | 1390.8 | 1389.3 |
| 177.5° | 1394.7 | 1393.3 | 1391.9 | 1390.6 | 1391.9 | 1393.3 | 1394.7 | 1396.0 | 1396.1 | 1395.0 | 1393.8 |
| 180° | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 |
| 2.5° | 1466.1 | 1466.1 | 1477.3 | 1484.5 | 1493.4 | 1499.3 | 1503.4 | 1507.6 | 1514.8 | 1524.2 | 1534.8 |
| 5° | 1382.2 | 1385.3 | 1401.6 | 1417.9 | 1433.4 | 1446.7 | 1457.8 | 1471.1 | 1487.4 | 1507.4 | 1529.7 |
| 7.5° | 1301.1 | 1312.5 | 1328.9 | 1348.8 | 1370.6 | 1390.0 | 1409.7 | 1431.6 | 1454.5 | 1484.0 | 1515.1 |
| 10° | 1249.0 | 1261.5 | 1281.5 | 1306.7 | 1329.6 | 1352.6 | 1377.1 | 1400.8 | 1429.6 | 1464.5 | 1504.5 |
| 12.5° | 1203.3 | 1215.3 | 1235.9 | 1263.5 | 1285.3 | 1310.6 | 1338.6 | 1369.4 | 1401.8 | 1443.8 | 1489.1 |
| 15° | 1140.0 | 1154.1 | 1179.3 | 1192.6 | 1226.0 | 1256.3 | 1282.2 | 1326.7 | 1368.2 | 1411.2 | 1463.8 |
| 17.5° | 1088.2 | 1096.0 | 1116.4 | 1141.2 | 1166.1 | 1200.1 | 1234.1 | 1271.1 | 1312.5 | 1365.1 | 1430.9 |
| 20° | 1052.6 | 1059.3 | 1081.5 | 1107.5 | 1134.1 | 1165.3 | 1195.6 | 1232.7 | 1279.3 | 1334.8 | 1406.0 |
| 22.5° | 1026.0 | 1033.2 | 1047.7 | 1075.4 | 1100.3 | 1126.1 | 1156.5 | 1200.6 | 1250.3 | 1304.7 | 1381.7 |
| 25° | 987.4 | 991.8 | 1001.5 | 1023.7 | 1045.9 | 1074.9 | 1101.5 | 1143.0 | 1194.1 | 1257.8 | 1334.8 |
| 27.5° | 950.8 | 955.2 | 963.2 | 979.1 | 999.8 | 1023.3 | 1052.3 | 1087.6 | 1139.4 | 1208.6 | 1290.4 |
| 30° | 928.9 | 929.6 | 937.1 | 951.9 | 969.7 | 988.9 | 1015.6 | 1055.6 | 1104.5 | 1174.9 | 1260.7 |
| 32.5° | 909.9 | 907.1 | 912.2 | 923.4 | 940.7 | 959.9 | 981.8 | 1021.2 | 1068.4 | 1137.6 | 1225.8 |
| 35° | 877.8 | 876.3 | 874.1 | 883.7 | 898.5 | 913.3 | 932.6 | 962.2 | 1015.6 | 1080.1 | 1172.6 |
| 37.5° | 845.1 | 841.5 | 837.5 | 842.0 | 853.5 | 868.9 | 885.6 | 912.0 | 958.0 | 1028.9 | 1117.5 |
| 40° | 820.8 | 817.8 | 815.6 | 814.1 | 824.4 | 839.2 | 851.9 | 877.0 | 920.0 | 987.4 | 1074.9 |
| 42.5° | 794.1 | 792.3 | 789.5 | 787.4 | 796.1 | 807.3 | 820.5 | 842.7 | 885.6 | 949.0 | 1031.6 |
| 45° | 751.1 | 749.7 | 748.2 | 746.7 | 751.9 | 762.2 | 772.6 | 788.9 | 826.0 | 887.4 | 962.2 |
| 47.5° | 703.3 | 701.3 | 701.9 | 699.6 | 704.6 | 711.6 | 718.9 | 736.3 | 771.8 | 821.5 | 876.2 |
| 50° | 668.9 | 668.2 | 668.2 | 668.2 | 669.7 | 677.8 | 684.5 | 697.8 | 730.4 | 780.0 | 819.3 |
| 52.5° | 636.3 | 633.2 | 633.2 | 634.4 | 637.1 | 642.2 | 646.6 | 661.1 | 689.5 | 730.3 | 765.9 |
| 55° | 585.2 | 579.3 | 577.8 | 579.3 | 581.5 | 586.0 | 590.4 | 602.3 | 626.7 | 657.0 | 677.8 |
| 57.5° | 528.6 | 525.4 | 523.4 | 523.7 | 524.9 | 528.5 | 531.9 | 544.8 | 564.0 | 579.9 | 593.2 |
| 60° | 488.9 | 490.4 | 483.7 | 485.2 | 485.2 | 488.1 | 493.3 | 501.5 | 517.8 | 528.9 | 542.2 |
| 62.5° | 451.6 | 449.5 | 447.6 | 445.5 | 445.5 | 446.7 | 453.6 | 460.1 | 473.9 | 479.8 | 490.1 |
| 65° | 393.3 | 393.3 | 388.9 | 390.4 | 391.2 | 386.0 | 389.6 | 397.1 | 406.0 | 408.1 | 417.8 |
| 67.5° | 334.4 | 332.3 | 329.8 | 327.5 | 327.5 | 327.2 | 329.0 | 332.7 | 339.4 | 340.2 | 347.6 |
| 70° | 294.1 | 292.6 | 291.9 | 289.6 | 286.7 | 290.4 | 288.1 | 291.9 | 295.6 | 296.3 | 300.8 |
| 72.5° | 255.0 | 253.4 | 252.1 | 250.0 | 248.7 | 248.3 | 248.5 | 252.8 | 255.2 | 254.2 | 259.3 |
| 75° | 199.3 | 197.7 | 196.3 | 192.6 | 192.6 | 190.4 | 191.1 | 194.1 | 197.1 | 194.8 | 199.3 |
| 77.5° | 146.4 | 141.8 | 141.5 | 142.5 | 140.0 | 140.4 | 139.6 | 139.1 | 140.4 | 140.6 | 144.6 |
| 80° | 112.6 | 107.4 | 108.9 | 108.1 | 107.4 | 106.7 | 105.2 | 105.9 | 106.7 | 107.4 | 109.6 |
| 82.5° | 81.2 | 80.8 | 79.3 | 79.1 | 78.4 | 76.4 | 75.6 | 76.9 | 77.7 | 77.2 | 78.8 |
| 85° | 41.5 | 39.3 | 40.7 | 40.0 | 40.7 | 40.0 | 37.8 | 37.8 | 39.3 | 38.5 | 40.0 |
| 87.5° | 17.9 | 17.7 | 16.5 | 16.4 | 15.2 | 15.2 | 14.0 | 14.1 | 14.2 | 13.8 | 14.4 |
| 90° | 27.2 | 26.3 | 23.1 | 20.0 | 16.8 | 13.7 | 10.8 | 8.4 | 5.9 | 3.5 | 1.1 |
| 92.5° | 42.8 | 42.0 | 40.2 | 38.5 | 36.7 | 34.9 | 33.1 | 31.5 | 29.8 | 28.2 | 26.5 |
| 95° | 82.0 | 81.1 | 79.1 | 77.1 | 75.2 | 73.2 | 71.4 | 69.7 | 68.1 | 66.4 | 64.7 |
| 97.5° | 127.9 | 126.8 | 125.4 | 124.0 | 122.6 | 121.2 | 119.8 | 118.6 | 117.3 | 116.0 | 114.8 |
| 100° | 161.7 | 161.0 | 159.8 | 158.5 | 157.3 | 156.1 | 154.8 | 153.4 | 151.8 | 150.4 | 148.9 |
| 102.5° | 200.3 | 199.5 | 197.9 | 196.3 | 194.7 | 193.1 | 191.9 | 191.0 | 190.1 | 189.3 | 188.3 |
| 105° | 258.4 | 258.4 | 256.3 | 254.1 | 251.8 | 249.7 | 248.4 | 247.9 | 247.4 | 246.9 | 246.4 |
| 107.5° | 319.9 | 319.1 | 318.2 | 317.4 | 316.5 | 315.7 | 315.0 | 314.7 | 314.4 | 314.1 | 313.9 |
| 110° | 361.3 | 360.3 | 359.8 | 359.3 | 358.8 | 358.4 | 357.9 | 357.4 | 356.8 | 356.4 | 355.9 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 402.7 | 401.4 | 401.3 | 401.2 | 401.1 | 401.1 | 400.9 | 400.6 | 400.3 | 400.0 | 399.7 |
| 115° | 466.7 | 466.6 | 467.0 | 467.5 | 468.0 | 468.4 | 468.3 | 467.6 | 466.8 | 466.2 | 465.4 |
| 117.5° | 530.8 | 530.9 | 531.6 | 532.2 | 532.8 | 533.5 | 533.5 | 533.0 | 532.5 | 532.1 | 531.6 |
| 120° | 573.6 | 573.8 | 575.0 | 576.3 | 577.5 | 578.7 | 578.6 | 577.1 | 575.7 | 574.2 | 572.8 |
| 122.5° | 617.0 | 617.6 | 618.3 | 618.9 | 619.5 | 620.2 | 620.0 | 618.9 | 617.8 | 616.7 | 615.7 |
| 125° | 681.3 | 682.3 | 682.8 | 683.2 | 683.7 | 684.2 | 684.1 | 683.3 | 682.6 | 681.9 | 681.2 |
| 127.5° | 744.9 | 746.2 | 746.8 | 747.2 | 747.8 | 748.4 | 747.8 | 746.3 | 744.7 | 743.2 | 741.6 |
| 130° | 786.5 | 787.4 | 788.2 | 788.8 | 789.6 | 790.3 | 789.7 | 787.8 | 785.8 | 783.8 | 781.9 |
| 132.5° | 827.4 | 828.6 | 829.1 | 829.6 | 830.2 | 830.8 | 830.0 | 828.0 | 826.1 | 824.2 | 822.2 |
| 135° | 888.3 | 889.2 | 889.5 | 889.8 | 889.9 | 890.2 | 889.6 | 888.2 | 886.6 | 885.2 | 883.7 |
| 137.5° | 948.0 | 949.0 | 948.4 | 947.7 | 947.2 | 946.5 | 945.6 | 944.3 | 943.1 | 941.9 | 940.8 |
| 140° | 986.5 | 986.7 | 986.5 | 986.2 | 986.0 | 985.7 | 985.0 | 983.8 | 982.6 | 981.4 | 980.1 |
| 142.5° | 1023.2 | 1023.5 | 1023.0 | 1022.7 | 1022.2 | 1021.7 | 1021.0 | 1019.7 | 1018.5 | 1017.3 | 1016.1 |
| 145° | 1077.3 | 1077.6 | 1076.9 | 1076.1 | 1075.4 | 1074.7 | 1074.0 | 1073.6 | 1073.1 | 1072.6 | 1072.1 |
| 147.5° | 1128.2 | 1128.2 | 1127.5 | 1126.8 | 1126.1 | 1125.5 | 1124.7 | 1123.8 | 1122.9 | 1122.1 | 1121.2 |
| 150° | 1159.7 | 1159.7 | 1159.2 | 1158.8 | 1158.3 | 1157.8 | 1157.3 | 1156.8 | 1156.3 | 1155.8 | 1155.4 |
| 152.5° | 1188.2 | 1187.8 | 1187.5 | 1187.2 | 1186.8 | 1186.6 | 1186.1 | 1185.4 | 1184.8 | 1184.1 | 1183.4 |
| 155° | 1229.7 | 1228.7 | 1228.5 | 1228.2 | 1228.0 | 1227.8 | 1227.7 | 1227.7 | 1227.7 | 1227.7 | 1227.7 |
| 157.5° | 1265.9 | 1264.9 | 1264.7 | 1264.5 | 1264.3 | 1264.0 | 1264.1 | 1264.4 | 1264.7 | 1265.0 | 1265.3 |
| 160° | 1288.0 | 1286.8 | 1286.8 | 1286.8 | 1286.8 | 1286.8 | 1287.0 | 1287.5 | 1288.0 | 1288.5 | 1288.9 |
| 162.5° | 1309.0 | 1307.8 | 1307.6 | 1307.4 | 1307.2 | 1307.0 | 1307.3 | 1308.0 | 1308.6 | 1309.3 | 1309.9 |
| 165° | 1335.3 | 1333.9 | 1333.9 | 1333.9 | 1333.9 | 1333.9 | 1334.3 | 1334.9 | 1335.7 | 1336.4 | 1337.2 |
| 167.5° | 1356.8 | 1355.3 | 1355.1 | 1354.9 | 1354.7 | 1354.5 | 1354.9 | 1355.9 | 1356.9 | 1357.8 | 1358.9 |
| 170° | 1368.4 | 1366.7 | 1366.7 | 1366.7 | 1366.7 | 1366.7 | 1367.2 | 1368.2 | 1369.1 | 1370.1 | 1371.1 |
| 172.5° | 1377.9 | 1376.4 | 1376.4 | 1376.4 | 1376.4 | 1376.4 | 1376.9 | 1377.8 | 1378.8 | 1379.8 | 1380.7 |
| 175° | 1387.9 | 1386.4 | 1386.4 | 1386.4 | 1386.4 | 1386.4 | 1387.0 | 1387.9 | 1388.8 | 1389.9 | 1390.8 |
| 177.5° | 1392.6 | 1391.5 | 1391.5 | 1391.5 | 1391.5 | 1391.5 | 1391.9 | 1392.6 | 1393.5 | 1394.2 | 1395.0 |
| 180° | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 |
| 2.5° | 1538.4 | 1541.3 | 1551.4 | 1558.6 | 1566.9 | 1571.6 | 1576.3 | 1579.9 | 1584.6 | 1585.8 | 1603.0 |
| 5° | 1545.2 | 1560.1 | 1586.0 | 1605.2 | 1628.9 | 1654.8 | 1672.6 | 1680.8 | 1702.2 | 1720.0 | 1755.6 |
| 7.5° | 1543.3 | 1574.9 | 1614.0 | 1654.5 | 1698.1 | 1738.4 | 1773.4 | 1814.9 | 1844.4 | 1888.7 | 1932.4 |
| 10° | 1541.5 | 1583.8 | 1634.1 | 1686.0 | 1746.7 | 1803.0 | 1853.4 | 1909.7 | 1956.3 | 2017.8 | 2070.4 |
| 12.5° | 1536.2 | 1587.3 | 1657.3 | 1718.5 | 1792.3 | 1870.0 | 1944.7 | 2016.9 | 2058.3 | 2160.7 | 2209.1 |
| 15° | 1523.1 | 1583.8 | 1671.1 | 1764.5 | 1866.0 | 1957.8 | 2052.7 | 2128.3 | 2250.4 | 2340.1 | 2397.1 |
| 17.5° | 1497.8 | 1582.9 | 1686.6 | 1799.1 | 1922.6 | 2043.6 | 2151.1 | 2265.7 | 2395.4 | 2503.8 | 2619.3 |
| 20° | 1486.0 | 1579.3 | 1694.9 | 1819.3 | 1947.5 | 2084.5 | 2206.8 | 2344.5 | 2486.1 | 2592.7 | 2740.8 |
| 22.5° | 1464.1 | 1569.8 | 1694.3 | 1833.0 | 1970.0 | 2111.8 | 2254.8 | 2393.7 | 2557.1 | 2704.1 | 2845.2 |
| 25° | 1428.2 | 1546.7 | 1675.7 | 1830.4 | 1991.2 | 2133.4 | 2304.5 | 2489.0 | 2659.4 | 2848.3 | 2989.0 |
| 27.5° | 1390.5 | 1517.1 | 1646.2 | 1790.3 | 1963.1 | 2131.9 | 2347.2 | 2555.6 | 2763.9 | 2927.1 | 3031.2 |
| 30° | 1361.5 | 1484.5 | 1617.9 | 1763.0 | 1934.1 | 2134.9 | 2375.6 | 2603.0 | 2806.0 | 2946.0 | 3004.5 |
| 32.5° | 1330.1 | 1454.8 | 1572.8 | 1725.1 | 1907.4 | 2133.1 | 2393.4 | 2630.9 | 2808.4 | 2901.6 | 2890.2 |
| 35° | 1280.8 | 1385.3 | 1500.1 | 1646.7 | 1861.5 | 2120.1 | 2403.8 | 2633.4 | 2742.3 | 2722.3 | 2571.2 |
| 37.5° | 1209.7 | 1297.5 | 1410.6 | 1571.1 | 1808.2 | 2092.6 | 2383.0 | 2555.3 | 2548.3 | 2385.4 | 2166.4 |
| 40° | 1165.3 | 1240.0 | 1349.0 | 1517.9 | 1766.7 | 2074.9 | 2350.4 | 2462.3 | 2367.5 | 2140.0 | 1877.8 |
| 42.5° | 1107.1 | 1176.0 | 1285.0 | 1458.6 | 1721.1 | 2038.7 | 2288.2 | 2320.6 | 2135.1 | 1873.4 | 1633.0 |
| 45° | 1017.1 | 1077.8 | 1190.4 | 1369.7 | 1652.7 | 1960.0 | 2136.4 | 2057.1 | 1807.4 | 1537.1 | 1354.2 |
| 47.5° | 920.3 | 983.4 | 1091.7 | 1275.9 | 1553.7 | 1841.7 | 1925.7 | 1757.1 | 1500.8 | 1281.5 | 1113.5 |
| 50° | 859.3 | 920.0 | 1026.0 | 1211.9 | 1486.7 | 1744.5 | 1779.3 | 1561.5 | 1326.0 | 1133.4 | 995.6 |
| 52.5° | 797.7 | 854.9 | 959.0 | 1145.5 | 1408.5 | 1631.9 | 1610.4 | 1388.5 | 1171.9 | 1007.8 | 899.6 |
| 55° | 706.0 | 760.1 | 859.3 | 1034.1 | 1273.4 | 1450.4 | 1372.6 | 1160.7 | 981.5 | 854.1 | 771.8 |
| 57.5° | 623.9 | 675.7 | 761.4 | 919.3 | 1127.3 | 1249.0 | 1150.0 | 971.5 | 828.9 | 730.8 | 669.5 |
| 60° | 568.2 | 614.1 | 695.6 | 842.3 | 1023.0 | 1115.6 | 1017.9 | 860.1 | 740.0 | 661.5 | 606.7 |
| 62.5° | 515.4 | 555.4 | 630.9 | 764.0 | 921.1 | 998.8 | 899.8 | 766.4 | 664.2 | 594.6 | 548.0 |
| 65° | 435.5 | 471.8 | 538.6 | 642.2 | 771.1 | 823.0 | 737.8 | 629.6 | 550.4 | 498.5 | 467.4 |
| 67.5° | 362.7 | 393.5 | 451.1 | 532.7 | 627.5 | 665.3 | 600.5 | 516.8 | 457.0 | 415.4 | 390.7 |
| 70° | 314.1 | 340.7 | 386.0 | 456.3 | 542.2 | 571.1 | 510.4 | 441.5 | 397.8 | 364.5 | 341.5 |
| 72.5° | 273.1 | 292.8 | 333.8 | 388.1 | 459.9 | 482.9 | 440.5 | 379.8 | 339.1 | 314.1 | 295.9 |
| 75° | 208.1 | 224.4 | 251.1 | 294.8 | 344.5 | 357.8 | 325.9 | 288.1 | 260.7 | 243.0 | 228.8 |
| 77.5° | 150.1 | 162.1 | 181.3 | 208.3 | 242.7 | 254.7 | 234.5 | 209.3 | 189.4 | 177.3 | 169.5 |
| 80° | 113.3 | 123.0 | 139.3 | 161.5 | 182.2 | 188.9 | 177.0 | 157.8 | 143.7 | 137.0 | 130.4 |
| 82.5° | 83.7 | 89.2 | 99.0 | 114.0 | 128.3 | 136.2 | 126.1 | 114.5 | 107.0 | 100.9 | 98.4 |
| 85° | 42.2 | 45.1 | 49.7 | 55.5 | 64.5 | 67.4 | 63.7 | 60.7 | 56.3 | 52.6 | 52.6 |
| 87.5° | 16.1 | 16.6 | 18.9 | 20.5 | 23.5 | 25.9 | 25.9 | 25.4 | 25.4 | 25.0 | 24.6 |
| 90° | 3.5 | 5.9 | 8.4 | 10.8 | 13.7 | 16.8 | 20.0 | 23.1 | 26.3 | 27.2 | 28.3 |
| 92.5° | 28.2 | 29.8 | 31.5 | 33.1 | 34.9 | 36.7 | 38.5 | 40.2 | 42.0 | 42.8 | 43.6 |
| 95° | 66.4 | 68.1 | 69.7 | 71.4 | 73.2 | 75.2 | 77.1 | 79.1 | 81.1 | 82.0 | 82.9 |
| 97.5° | 116.0 | 117.3 | 118.6 | 119.8 | 121.2 | 122.6 | 124.0 | 125.4 | 126.8 | 127.9 | 129.0 |
| 100° | 150.4 | 151.8 | 153.4 | 154.8 | 156.1 | 157.3 | 158.5 | 159.8 | 161.0 | 161.7 | 162.4 |
| 102.5° | 189.3 | 190.1 | 191.0 | 191.9 | 193.1 | 194.7 | 196.3 | 197.9 | 199.5 | 200.3 | 201.0 |
| 105° | 246.9 | 247.4 | 247.9 | 248.4 | 249.7 | 251.8 | 254.1 | 256.3 | 258.4 | 258.4 | 258.4 |
| 107.5° | 314.1 | 314.4 | 314.7 | 315.0 | 315.7 | 316.5 | 317.4 | 318.2 | 319.1 | 319.9 | 320.7 |
| 110° | 356.4 | 356.8 | 357.4 | 357.9 | 358.4 | 358.8 | 359.3 | 359.8 | 360.3 | 361.3 | 362.2 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 400.0 | 400.3 | 400.6 | 400.9 | 401.1 | 401.1 | 401.2 | 401.3 | 401.4 | 402.7 | 403.8 |
| 115° | 466.2 | 466.8 | 467.6 | 468.3 | 468.4 | 468.0 | 467.5 | 467.0 | 466.6 | 466.7 | 467.0 |
| 117.5° | 532.1 | 532.5 | 533.0 | 533.5 | 533.5 | 532.8 | 532.2 | 531.6 | 530.9 | 530.8 | 530.8 |
| 120° | 574.2 | 575.7 | 577.1 | 578.6 | 578.7 | 577.5 | 576.3 | 575.0 | 573.8 | 573.6 | 573.3 |
| 122.5° | 616.7 | 617.8 | 618.9 | 620.0 | 620.2 | 619.5 | 618.9 | 618.3 | 617.6 | 617.0 | 616.4 |
| 125° | 681.9 | 682.6 | 683.3 | 684.1 | 684.2 | 683.7 | 683.2 | 682.8 | 682.3 | 681.3 | 680.3 |
| 127.5° | 743.2 | 744.7 | 746.3 | 747.8 | 748.4 | 747.8 | 747.2 | 746.8 | 746.2 | 744.9 | 743.5 |
| 130° | 783.8 | 785.8 | 787.8 | 789.7 | 790.3 | 789.6 | 788.8 | 788.2 | 787.4 | 786.5 | 785.4 |
| 132.5° | 824.2 | 826.1 | 828.0 | 830.0 | 830.8 | 830.2 | 829.6 | 829.1 | 828.6 | 827.4 | 826.2 |
| 135° | 885.2 | 886.6 | 888.2 | 889.6 | 890.2 | 889.9 | 889.8 | 889.5 | 889.2 | 888.3 | 887.3 |
| 137.5° | 941.9 | 943.1 | 944.3 | 945.6 | 946.5 | 947.2 | 947.7 | 948.4 | 949.0 | 948.0 | 947.0 |
| 140° | 981.4 | 982.6 | 983.8 | 985.0 | 985.7 | 986.0 | 986.2 | 986.5 | 986.7 | 986.5 | 986.2 |
| 142.5° | 1017.3 | 1018.5 | 1019.7 | 1021.0 | 1021.7 | 1022.2 | 1022.7 | 1023.0 | 1023.5 | 1023.2 | 1023.0 |
| 145° | 1072.6 | 1073.1 | 1073.6 | 1074.0 | 1074.7 | 1075.4 | 1076.1 | 1076.9 | 1077.6 | 1077.3 | 1077.1 |
| 147.5° | 1122.1 | 1122.9 | 1123.8 | 1124.7 | 1125.5 | 1126.1 | 1126.8 | 1127.5 | 1128.2 | 1128.2 | 1128.2 |
| 150° | 1155.8 | 1156.3 | 1156.8 | 1157.3 | 1157.8 | 1158.3 | 1158.8 | 1159.2 | 1159.7 | 1159.7 | 1159.7 |
| 152.5° | 1184.1 | 1184.8 | 1185.4 | 1186.1 | 1186.6 | 1186.8 | 1187.2 | 1187.5 | 1187.8 | 1188.2 | 1188.5 |
| 155° | 1227.7 | 1227.7 | 1227.7 | 1227.7 | 1227.8 | 1228.0 | 1228.2 | 1228.5 | 1228.7 | 1229.7 | 1230.7 |
| 157.5° | 1265.0 | 1264.7 | 1264.4 | 1264.1 | 1264.0 | 1264.3 | 1264.5 | 1264.7 | 1264.9 | 1265.9 | 1266.9 |
| 160° | 1288.5 | 1288.0 | 1287.5 | 1287.0 | 1286.8 | 1286.8 | 1286.8 | 1286.8 | 1286.8 | 1288.0 | 1289.2 |
| 162.5° | 1309.3 | 1308.6 | 1308.0 | 1307.3 | 1307.0 | 1307.2 | 1307.4 | 1307.6 | 1307.8 | 1309.0 | 1310.2 |
| 165° | 1336.4 | 1335.7 | 1334.9 | 1334.3 | 1333.9 | 1333.9 | 1333.9 | 1333.9 | 1333.9 | 1335.3 | 1336.8 |
| 167.5° | 1357.8 | 1356.9 | 1355.9 | 1354.9 | 1354.5 | 1354.7 | 1354.9 | 1355.1 | 1355.3 | 1356.8 | 1358.3 |
| 170° | 1370.1 | 1369.1 | 1368.2 | 1367.2 | 1366.7 | 1366.7 | 1366.7 | 1366.7 | 1366.7 | 1368.4 | 1370.1 |
| 172.5° | 1379.8 | 1378.8 | 1377.8 | 1376.9 | 1376.4 | 1376.4 | 1376.4 | 1376.4 | 1376.4 | 1377.9 | 1379.4 |
| 175° | 1389.9 | 1388.8 | 1387.9 | 1387.0 | 1386.4 | 1386.4 | 1386.4 | 1386.4 | 1386.4 | 1387.9 | 1389.3 |
| 177.5° | 1394.2 | 1393.5 | 1392.6 | 1391.9 | 1391.5 | 1391.5 | 1391.5 | 1391.5 | 1391.5 | 1392.6 | 1393.8 |
| 180° | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 | 1528.9 |
| 2.5° | 1608.9 | 1609.5 | 1616.1 | 1620.8 | 1618.4 | 1621.4 | 1622.6 |
| 5° | 1757.8 | 1784.5 | 1798.6 | 1808.9 | 1809.7 | 1810.4 | 1816.4 |
| 7.5° | 1969.0 | 1997.5 | 2018.5 | 2050.1 | 2059.6 | 2070.4 | 2067.3 |
| 10° | 2123.1 | 2165.2 | 2201.6 | 2220.8 | 2241.6 | 2271.9 | 2247.5 |
| 12.5° | 2267.0 | 2341.8 | 2397.1 | 2427.0 | 2446.6 | 2452.7 | 2440.7 |
| 15° | 2504.5 | 2602.3 | 2654.9 | 2653.4 | 2720.1 | 2749.0 | 2703.8 |
| 17.5° | 2722.3 | 2812.5 | 2884.8 | 2921.9 | 2977.4 | 2989.7 | 2984.1 |
| 20° | 2855.6 | 2954.2 | 3010.5 | 3074.2 | 3103.0 | 3129.0 | 3133.4 |
| 22.5° | 2970.6 | 3059.0 | 3119.5 | 3172.5 | 3196.7 | 3209.0 | 3216.4 |
| 25° | 3089.0 | 3158.6 | 3194.9 | 3213.4 | 3220.1 | 3218.6 | 3209.0 |
| 27.5° | 3080.8 | 3086.2 | 3046.2 | 3006.9 | 2971.8 | 2932.2 | 2918.6 |
| 30° | 3000.9 | 2938.6 | 2827.5 | 2764.6 | 2671.9 | 2598.6 | 2628.2 |
| 32.5° | 2790.5 | 2666.6 | 2541.8 | 2404.2 | 2290.3 | 2257.9 | 2225.2 |
| 35° | 2381.5 | 2163.8 | 2036.4 | 1888.2 | 1828.9 | 1769.7 | 1728.9 |
| 37.5° | 1926.7 | 1758.3 | 1607.1 | 1510.2 | 1450.9 | 1413.3 | 1393.3 |
| 40° | 1665.9 | 1514.1 | 1389.7 | 1311.2 | 1265.9 | 1223.7 | 1217.9 |
| 42.5° | 1458.0 | 1316.8 | 1223.1 | 1160.6 | 1117.2 | 1099.3 | 1086.3 |
| 45° | 1194.1 | 1095.6 | 1032.6 | 988.2 | 959.3 | 948.2 | 933.4 |
| 47.5° | 1010.7 | 941.0 | 893.8 | 863.6 | 841.8 | 833.5 | 832.4 |
| 50° | 908.1 | 850.4 | 815.6 | 791.8 | 774.9 | 771.8 | 760.1 |
| 52.5° | 831.1 | 781.1 | 753.9 | 733.2 | 721.0 | 712.7 | 709.1 |
| 55° | 721.5 | 688.2 | 663.7 | 651.9 | 642.2 | 634.0 | 634.0 |
| 57.5° | 631.3 | 603.4 | 587.3 | 577.2 | 574.2 | 568.4 | 564.8 |
| 60° | 575.6 | 551.9 | 539.3 | 530.4 | 524.4 | 525.2 | 518.5 |
| 62.5° | 521.0 | 505.7 | 493.6 | 484.7 | 477.7 | 477.8 | 478.2 |
| 65° | 443.7 | 431.9 | 423.0 | 420.0 | 415.6 | 410.4 | 411.9 |
| 67.5° | 376.0 | 364.9 | 358.0 | 352.9 | 351.4 | 348.6 | 352.9 |
| 70° | 327.4 | 319.2 | 314.1 | 309.6 | 308.1 | 308.9 | 312.6 |
| 72.5° | 283.0 | 277.2 | 273.8 | 271.7 | 268.4 | 268.6 | 271.1 |
| 75° | 222.3 | 217.8 | 214.8 | 212.6 | 211.9 | 211.9 | 211.9 |
| 77.5° | 163.2 | 162.2 | 160.9 | 157.6 | 157.8 | 158.6 | 158.8 |
| 80° | 128.9 | 126.7 | 125.9 | 124.4 | 122.2 | 120.7 | 124.4 |
| 82.5° | 96.3 | 94.1 | 93.3 | 93.0 | 89.6 | 89.4 | 92.5 |
| 85° | 51.8 | 49.7 | 50.3 | 49.7 | 49.7 | 48.9 | 48.9 |
| 87.5° | 24.2 | 23.8 | 23.4 | 24.0 | 23.6 | 23.1 | 24.3 |
| 90° | 29.2 | 30.2 | 30.9 | 31.4 | 31.9 | 32.3 | 32.9 |
| 92.5° | 44.4 | 45.1 | 45.4 | 45.1 | 44.9 | 44.5 | 44.2 |
| 95° | 84.0 | 84.9 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 97.5° | 130.2 | 131.3 | 131.8 | 131.7 | 131.6 | 131.5 | 131.4 |
| 100° | 163.2 | 163.9 | 164.5 | 165.0 | 165.5 | 166.0 | 166.5 |
| 102.5° | 201.7 | 202.5 | 202.7 | 202.6 | 202.6 | 202.5 | 202.4 |
| 105° | 258.4 | 258.4 | 258.7 | 259.2 | 259.7 | 260.1 | 260.6 |
| 107.5° | 321.5 | 322.3 | 322.4 | 322.2 | 321.9 | 321.6 | 321.3 |
| 110° | 363.3 | 364.2 | 364.4 | 363.9 | 363.4 | 363.0 | 362.5 |



TEST NUMBER: P332082-830

CATALOG NUMBER: S123DIP-S1165D1195U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 405.0 | 406.1 | 406.7 | 406.6 | 406.5 | 406.4 | 406.3 |
| 115° | 467.2 | 467.5 | 467.5 | 467.2 | 467.0 | 466.7 | 466.6 |
| 117.5° | 530.7 | 530.7 | 530.4 | 529.7 | 529.0 | 528.3 | 527.6 |
| 120° | 573.2 | 572.9 | 572.5 | 572.0 | 571.6 | 571.1 | 570.5 |
| 122.5° | 615.8 | 615.1 | 614.4 | 613.8 | 613.1 | 612.4 | 611.7 |
| 125° | 679.4 | 678.3 | 677.4 | 676.5 | 675.4 | 674.5 | 673.5 |
| 127.5° | 742.2 | 740.7 | 739.5 | 738.4 | 737.3 | 736.1 | 735.1 |
| 130° | 784.5 | 783.5 | 782.1 | 780.4 | 778.7 | 777.0 | 775.3 |
| 132.5° | 825.1 | 823.9 | 822.7 | 821.3 | 820.0 | 818.7 | 817.4 |
| 135° | 886.3 | 885.3 | 884.6 | 884.1 | 883.6 | 883.2 | 882.7 |
| 137.5° | 945.9 | 944.9 | 944.0 | 943.0 | 942.2 | 941.2 | 940.3 |
| 140° | 986.0 | 985.7 | 984.8 | 983.1 | 981.4 | 979.7 | 978.0 |
| 142.5° | 1022.8 | 1022.6 | 1021.7 | 1020.4 | 1019.1 | 1017.9 | 1016.5 |
| 145° | 1076.9 | 1076.7 | 1076.0 | 1075.1 | 1074.0 | 1073.1 | 1072.1 |
| 147.5° | 1128.2 | 1128.2 | 1127.5 | 1126.0 | 1124.5 | 1123.0 | 1121.6 |
| 150° | 1159.7 | 1159.7 | 1159.0 | 1157.5 | 1156.1 | 1154.6 | 1153.2 |
| 152.5° | 1188.9 | 1189.3 | 1188.9 | 1187.6 | 1186.4 | 1185.1 | 1183.8 |
| 155° | 1231.6 | 1232.7 | 1232.3 | 1230.6 | 1228.9 | 1227.2 | 1225.4 |
| 157.5° | 1267.9 | 1268.9 | 1268.8 | 1267.4 | 1266.0 | 1264.7 | 1263.3 |
| 160° | 1290.4 | 1291.7 | 1291.8 | 1290.8 | 1289.8 | 1288.8 | 1287.9 |
| 162.5° | 1311.5 | 1312.7 | 1312.5 | 1310.9 | 1309.4 | 1307.8 | 1306.3 |
| 165° | 1338.2 | 1339.7 | 1339.5 | 1337.8 | 1336.1 | 1334.5 | 1332.8 |
| 167.5° | 1359.8 | 1361.3 | 1361.3 | 1359.8 | 1358.3 | 1356.8 | 1355.3 |
| 170° | 1371.9 | 1373.6 | 1373.6 | 1371.9 | 1370.1 | 1368.4 | 1366.7 |
| 172.5° | 1380.9 | 1382.4 | 1382.3 | 1380.5 | 1378.8 | 1377.1 | 1375.5 |
| 175° | 1390.8 | 1392.2 | 1392.1 | 1390.4 | 1388.7 | 1387.0 | 1385.3 |
| 177.5° | 1395.0 | 1396.1 | 1396.0 | 1394.7 | 1393.3 | 1391.9 | 1390.6 |
| 180° | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 |

(END OF REPORT)