

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: P332150-840

Luminaire Tested: **S123DIW-S775D460U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332150-840
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: S123DIW-S775D460U840-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 460 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5157.5 lumens
Efficiency: N/A
Efficacy: 136.8 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: Semi-Direct

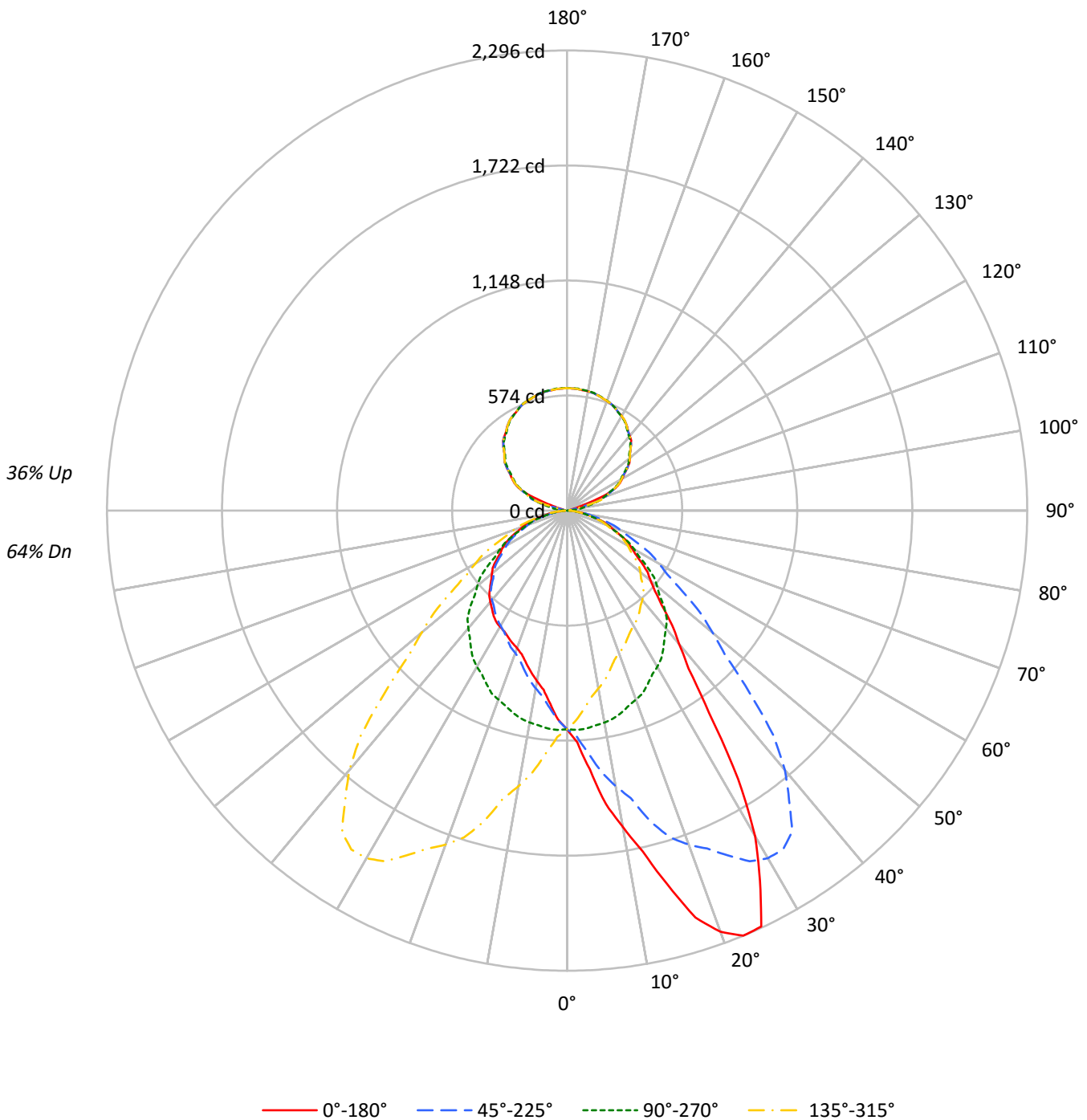
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-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 | 110 | 110 | 110 | 110 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 79 | 79 | 79 | 69 | 69 | 69 | 64 |
| 1 | 101 | 97 | 93 | 90 | 95 | 91 | 88 | 85 | 80 | 78 | 76 | 71 | 69 | 67 | 61 | 60 | 59 | 55 |
| 2 | 92 | 85 | 79 | 74 | 87 | 80 | 75 | 70 | 71 | 67 | 63 | 62 | 59 | 56 | 54 | 52 | 50 | 46 |
| 3 | 85 | 75 | 68 | 62 | 79 | 71 | 64 | 59 | 63 | 58 | 54 | 55 | 51 | 48 | 49 | 46 | 43 | 39 |
| 4 | 78 | 67 | 59 | 53 | 73 | 63 | 56 | 50 | 56 | 50 | 46 | 50 | 45 | 42 | 44 | 40 | 37 | 34 |
| 5 | 71 | 60 | 51 | 45 | 67 | 56 | 49 | 43 | 50 | 44 | 40 | 45 | 40 | 36 | 39 | 36 | 33 | 30 |
| 6 | 66 | 54 | 45 | 40 | 62 | 51 | 43 | 38 | 45 | 39 | 35 | 40 | 36 | 32 | 36 | 32 | 29 | 26 |
| 7 | 61 | 49 | 40 | 35 | 57 | 46 | 39 | 33 | 41 | 35 | 31 | 37 | 32 | 28 | 33 | 29 | 26 | 23 |
| 8 | 57 | 44 | 36 | 31 | 53 | 42 | 35 | 30 | 38 | 32 | 28 | 34 | 29 | 25 | 30 | 26 | 23 | 21 |
| 9 | 53 | 40 | 33 | 28 | 50 | 38 | 31 | 27 | 35 | 29 | 25 | 31 | 26 | 23 | 28 | 24 | 21 | 19 |
| 10 | 49 | 37 | 30 | 25 | 46 | 35 | 29 | 24 | 32 | 26 | 22 | 29 | 24 | 21 | 26 | 22 | 19 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 11746 | 11746 | 11746 | 11746 |
| 5° | 14008 | 11797 | 10454 | 11797 |
| 10° | 17533 | 11737 | 9441 | 11737 |
| 15° | 21504 | 11642 | 8790 | 11642 |
| 20° | 25616 | 11494 | 8369 | 11494 |
| 25° | 27201 | 11315 | 8276 | 11315 |
| 30° | 23313 | 11184 | 8319 | 11184 |
| 35° | 16215 | 10997 | 8406 | 10997 |
| 40° | 12213 | 10779 | 8379 | 10779 |
| 45° | 10140 | 10455 | 8273 | 10455 |
| 50° | 9083 | 9791 | 8199 | 9791 |
| 55° | 8492 | 9077 | 8096 | 9077 |
| 60° | 7967 | 8331 | 8013 | 8331 |
| 65° | 7488 | 7595 | 7755 | 7595 |
| 70° | 7021 | 6754 | 7386 | 6754 |
| 75° | 6288 | 5914 | 6771 | 5914 |
| 80° | 5511 | 4854 | 5833 | 4854 |
| 85° | 4310 | 3532 | 3915 | 3532 |



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 107.5 | 2.1 |
| 10°-20° | 344.7 | 6.7 |
| 20°-30° | 578.5 | 11.2 |
| 30°-40° | 655.0 | 12.7 |
| 40°-50° | 587.4 | 11.4 |
| 50°-60° | 474.0 | 9.2 |
| 60°-70° | 330.3 | 6.4 |
| 70°-80° | 173.6 | 3.4 |
| 80°-90° | 44.2 | 0.9 |
| 90°-100° | 22.2 | 0.4 |
| 100°-110° | 105.8 | 2.1 |
| 110°-120° | 254.2 | 4.9 |
| 120°-130° | 323.7 | 6.3 |
| 130°-140° | 345.8 | 6.7 |
| 140°-150° | 323.4 | 6.3 |
| 150°-160° | 260.8 | 5.1 |
| 160°-170° | 168.4 | 3.3 |
| 170°-180° | 58.0 | 1.1 |
| 0°-30° | 1030.6 | 20.0 |
| 0°-40° | 1685.7 | 32.7 |
| 0°-60° | 2747.1 | 53.3 |
| 0°-90° | 3295.2 | 63.9 |
| 90°-120° | 382.2 | 7.4 |
| 90°-150° | 1375.1 | 26.7 |
| 90°-180° | 1862.0 | 36.1 |
| 0°-180° | 5157.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1091 | 1091 | 1091 | 1091 | 1091 | |
| 5° | 1296 | 1092 | 968 | 1092 | 1296 | 134 |
| 15° | 1930 | 1045 | 789 | 1045 | 1930 | 557 |
| 25° | 2290 | 953 | 697 | 953 | 2290 | 1004 |
| 35° | 1234 | 837 | 640 | 837 | 1234 | 802 |
| 45° | 666 | 687 | 544 | 687 | 666 | 527 |
| 55° | 452 | 484 | 431 | 484 | 452 | 406 |
| 65° | 294 | 298 | 304 | 298 | 294 | 293 |
| 75° | 151 | 142 | 163 | 142 | 151 | 162 |
| 85° | 35 | 29 | 32 | 29 | 35 | 42 |
| 90° | 14 | 0 | 14 | 0 | 14 | 8 |
| 95° | 17 | 28 | 17 | 28 | 17 | 14 |
| 105° | 20 | 135 | 20 | 135 | 20 | 46 |
| 115° | 267 | 254 | 267 | 254 | 267 | 247 |
| 125° | 365 | 358 | 365 | 358 | 365 | 326 |
| 135° | 450 | 445 | 450 | 445 | 450 | 347 |
| 145° | 519 | 514 | 519 | 514 | 519 | 324 |
| 155° | 565 | 566 | 565 | 566 | 565 | 260 |
| 165° | 595 | 597 | 595 | 597 | 595 | 168 |
| 175° | 608 | 611 | 608 | 611 | 608 | 58 |
| 180° | 611 | 611 | 611 | 611 | 611 | |



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 |
| 2.5° | 1158.0 | 1157.2 | 1155.1 | 1156.8 | 1153.4 | 1148.7 | 1148.3 | 1144.1 | 1131.8 | 1130.9 | 1127.6 |
| 5° | 1296.4 | 1292.1 | 1291.6 | 1291.0 | 1283.6 | 1273.6 | 1254.6 | 1252.9 | 1227.6 | 1214.9 | 1199.6 |
| 7.5° | 1475.4 | 1477.6 | 1470.0 | 1463.2 | 1440.6 | 1425.6 | 1405.2 | 1379.1 | 1348.0 | 1316.4 | 1295.3 |
| 10° | 1604.1 | 1621.4 | 1599.8 | 1585.0 | 1571.2 | 1545.3 | 1515.2 | 1477.6 | 1440.2 | 1396.2 | 1362.9 |
| 12.5° | 1741.9 | 1750.5 | 1746.2 | 1732.2 | 1710.8 | 1671.4 | 1618.0 | 1576.6 | 1542.1 | 1468.9 | 1439.5 |
| 15° | 1929.7 | 1962.0 | 1941.4 | 1893.7 | 1894.8 | 1857.2 | 1787.5 | 1710.8 | 1670.1 | 1606.1 | 1518.9 |
| 17.5° | 2129.7 | 2133.7 | 2125.0 | 2085.4 | 2058.9 | 2007.3 | 1942.9 | 1869.5 | 1787.0 | 1709.5 | 1617.0 |
| 20° | 2236.3 | 2233.1 | 2214.6 | 2194.0 | 2148.6 | 2108.4 | 2038.1 | 1956.1 | 1850.4 | 1774.2 | 1673.2 |
| 22.5° | 2295.5 | 2290.3 | 2281.5 | 2264.2 | 2226.3 | 2183.2 | 2120.1 | 2030.5 | 1930.0 | 1825.0 | 1708.4 |
| 25° | 2290.3 | 2297.1 | 2298.1 | 2293.4 | 2280.2 | 2254.3 | 2204.6 | 2133.2 | 2032.8 | 1897.9 | 1776.4 |
| 27.5° | 2083.0 | 2092.7 | 2121.0 | 2146.1 | 2174.0 | 2202.6 | 2198.8 | 2163.3 | 2089.0 | 1972.7 | 1823.9 |
| 30° | 1875.7 | 1854.6 | 1906.9 | 1973.1 | 2018.0 | 2097.3 | 2141.7 | 2144.3 | 2102.5 | 2002.7 | 1857.7 |
| 32.5° | 1588.1 | 1611.4 | 1634.6 | 1715.9 | 1814.1 | 1903.2 | 1991.6 | 2062.8 | 2070.8 | 2004.4 | 1877.6 |
| 35° | 1234.0 | 1263.0 | 1305.4 | 1347.6 | 1453.4 | 1544.3 | 1699.7 | 1835.0 | 1942.9 | 1957.2 | 1879.5 |
| 37.5° | 994.3 | 1008.8 | 1035.5 | 1077.8 | 1147.0 | 1254.9 | 1375.1 | 1546.2 | 1702.4 | 1818.7 | 1823.7 |
| 40° | 869.2 | 873.4 | 903.5 | 935.7 | 991.8 | 1080.7 | 1189.0 | 1340.2 | 1527.3 | 1689.7 | 1757.4 |
| 42.5° | 775.3 | 784.6 | 797.4 | 828.3 | 872.9 | 939.8 | 1040.6 | 1165.5 | 1337.1 | 1523.9 | 1656.3 |
| 45° | 666.1 | 676.7 | 684.7 | 705.3 | 737.0 | 781.9 | 852.2 | 966.4 | 1097.0 | 1290.0 | 1468.1 |
| 47.5° | 594.0 | 594.9 | 600.8 | 616.3 | 637.9 | 671.7 | 721.3 | 794.8 | 914.6 | 1071.1 | 1254.1 |
| 50° | 542.4 | 550.9 | 553.0 | 565.1 | 582.1 | 606.9 | 648.1 | 710.5 | 808.9 | 946.3 | 1114.5 |
| 52.5° | 506.0 | 508.6 | 514.5 | 523.3 | 538.1 | 557.4 | 593.2 | 642.1 | 719.2 | 836.4 | 991.0 |
| 55° | 452.5 | 452.5 | 458.4 | 465.2 | 473.7 | 491.1 | 514.9 | 550.9 | 609.6 | 700.5 | 828.5 |
| 57.5° | 403.0 | 405.7 | 409.8 | 411.9 | 419.1 | 430.7 | 450.5 | 477.9 | 521.6 | 591.6 | 693.3 |
| 60° | 370.1 | 374.9 | 374.4 | 378.5 | 384.9 | 393.8 | 410.8 | 433.0 | 472.1 | 528.2 | 613.8 |
| 62.5° | 341.3 | 341.0 | 340.9 | 346.0 | 352.3 | 360.9 | 371.8 | 391.1 | 424.3 | 474.0 | 546.9 |
| 65° | 294.0 | 292.9 | 296.6 | 299.7 | 301.8 | 308.2 | 316.7 | 333.6 | 355.8 | 392.8 | 449.4 |
| 67.5° | 251.9 | 248.8 | 250.9 | 251.9 | 255.5 | 260.4 | 268.3 | 278.8 | 296.5 | 326.2 | 368.8 |
| 70° | 223.1 | 220.5 | 219.9 | 221.0 | 224.2 | 227.8 | 233.7 | 243.7 | 260.1 | 283.9 | 315.1 |
| 72.5° | 193.5 | 191.7 | 191.6 | 193.9 | 195.4 | 197.8 | 202.0 | 211.2 | 224.2 | 242.1 | 271.1 |
| 75° | 151.2 | 151.2 | 151.2 | 151.7 | 153.3 | 155.4 | 158.6 | 163.4 | 173.4 | 186.1 | 205.6 |
| 77.5° | 113.3 | 113.2 | 112.6 | 112.5 | 114.8 | 115.8 | 116.5 | 121.0 | 126.5 | 135.1 | 149.4 |
| 80° | 88.9 | 86.1 | 87.3 | 88.9 | 89.9 | 90.4 | 92.0 | 93.0 | 97.9 | 102.6 | 112.6 |
| 82.5° | 65.9 | 63.7 | 63.9 | 66.4 | 66.7 | 67.2 | 68.8 | 70.2 | 72.0 | 76.3 | 81.7 |
| 85° | 34.9 | 34.9 | 35.4 | 35.4 | 36.0 | 35.4 | 37.0 | 37.6 | 37.6 | 40.2 | 43.3 |
| 87.5° | 15.5 | 14.5 | 14.9 | 15.2 | 14.8 | 15.1 | 15.6 | 15.9 | 16.3 | 16.6 | 16.8 |
| 90° | 13.6 | 13.4 | 13.2 | 13.0 | 12.8 | 12.5 | 12.1 | 11.7 | 11.3 | 10.9 | 9.6 |
| 92.5° | 15.0 | 14.9 | 14.8 | 14.7 | 14.5 | 14.2 | 13.5 | 12.9 | 12.2 | 11.6 | 10.6 |
| 95° | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 16.9 | 16.2 | 15.5 | 14.7 | 14.0 | 12.9 |
| 97.5° | 18.7 | 18.6 | 18.5 | 18.4 | 18.3 | 17.9 | 17.1 | 16.3 | 15.5 | 14.6 | 21.9 |
| 100° | 19.1 | 19.0 | 18.9 | 18.8 | 18.7 | 18.2 | 17.4 | 16.6 | 15.8 | 14.9 | 30.7 |
| 102.5° | 19.4 | 19.2 | 19.1 | 18.9 | 18.7 | 19.9 | 22.3 | 24.8 | 27.4 | 29.9 | 47.1 |
| 105° | 20.0 | 19.8 | 19.6 | 19.4 | 19.2 | 28.0 | 45.8 | 63.6 | 81.5 | 99.4 | 108.5 |
| 107.5° | 62.7 | 76.1 | 89.6 | 103.0 | 116.5 | 129.8 | 142.9 | 155.9 | 169.1 | 182.1 | 180.7 |
| 110° | 124.8 | 139.2 | 153.6 | 168.0 | 182.5 | 191.3 | 194.6 | 197.9 | 201.3 | 204.6 | 203.5 |



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 |
| 2.5° | 1125.0 | 1121.7 | 1118.2 | 1112.4 | 1107.3 | 1100.0 | 1097.9 | 1095.4 | 1087.8 | 1081.1 | 1076.0 |
| 5° | 1193.8 | 1181.0 | 1162.6 | 1145.7 | 1132.0 | 1113.4 | 1102.9 | 1091.8 | 1075.9 | 1061.6 | 1050.0 |
| 7.5° | 1265.7 | 1240.7 | 1211.9 | 1180.8 | 1151.9 | 1124.0 | 1101.5 | 1081.4 | 1059.1 | 1038.1 | 1021.8 |
| 10° | 1322.7 | 1286.8 | 1246.7 | 1203.3 | 1166.3 | 1130.3 | 1100.1 | 1073.8 | 1045.2 | 1020.4 | 999.8 |
| 12.5° | 1387.9 | 1334.6 | 1279.2 | 1226.6 | 1182.8 | 1132.9 | 1096.4 | 1062.8 | 1030.4 | 1000.5 | 977.3 |
| 15° | 1465.0 | 1397.4 | 1331.7 | 1259.3 | 1192.8 | 1130.3 | 1087.0 | 1044.7 | 1007.1 | 976.4 | 946.8 |
| 17.5° | 1535.2 | 1458.5 | 1372.1 | 1284.0 | 1203.7 | 1129.7 | 1069.0 | 1021.2 | 974.2 | 936.8 | 907.3 |
| 20° | 1575.0 | 1487.7 | 1389.9 | 1298.5 | 1209.6 | 1127.1 | 1060.6 | 1003.4 | 952.7 | 913.0 | 879.7 |
| 22.5° | 1609.2 | 1507.1 | 1405.9 | 1308.2 | 1209.2 | 1120.3 | 1044.9 | 986.1 | 931.1 | 892.3 | 856.9 |
| 25° | 1644.8 | 1522.6 | 1421.1 | 1306.4 | 1195.9 | 1103.9 | 1019.3 | 952.7 | 897.7 | 852.2 | 815.8 |
| 27.5° | 1675.2 | 1521.6 | 1401.1 | 1277.7 | 1175.0 | 1082.8 | 992.4 | 921.0 | 862.6 | 813.2 | 776.2 |
| 30° | 1695.5 | 1523.7 | 1380.4 | 1258.3 | 1154.7 | 1059.4 | 971.7 | 899.8 | 838.5 | 788.3 | 753.4 |
| 32.5° | 1708.2 | 1522.4 | 1361.4 | 1231.2 | 1122.5 | 1038.3 | 949.3 | 874.8 | 811.8 | 762.4 | 728.8 |
| 35° | 1715.6 | 1513.1 | 1328.6 | 1175.3 | 1070.6 | 988.7 | 914.1 | 836.9 | 770.8 | 724.8 | 686.8 |
| 37.5° | 1700.8 | 1493.5 | 1290.5 | 1121.4 | 1006.7 | 926.0 | 863.3 | 797.6 | 734.4 | 683.7 | 651.0 |
| 40° | 1677.5 | 1480.9 | 1260.9 | 1083.3 | 962.7 | 885.0 | 831.6 | 767.1 | 704.7 | 656.6 | 625.9 |
| 42.5° | 1633.1 | 1455.0 | 1228.3 | 1041.0 | 917.1 | 839.3 | 790.2 | 736.3 | 677.2 | 632.1 | 601.5 |
| 45° | 1524.7 | 1398.9 | 1179.5 | 977.5 | 849.6 | 769.2 | 725.9 | 686.8 | 633.4 | 589.5 | 563.0 |
| 47.5° | 1374.3 | 1314.4 | 1108.8 | 910.6 | 779.2 | 701.9 | 656.8 | 625.3 | 586.3 | 550.9 | 525.5 |
| 50° | 1269.9 | 1245.1 | 1061.1 | 864.9 | 732.3 | 656.6 | 613.3 | 584.7 | 556.7 | 521.3 | 498.1 |
| 52.5° | 1149.3 | 1164.7 | 1005.2 | 817.6 | 684.4 | 610.1 | 569.3 | 546.6 | 521.2 | 492.1 | 471.8 |
| 55° | 979.7 | 1035.1 | 908.8 | 738.0 | 613.3 | 542.4 | 503.8 | 483.7 | 469.0 | 447.3 | 429.8 |
| 57.5° | 820.7 | 891.4 | 804.6 | 656.1 | 543.4 | 482.3 | 445.2 | 423.3 | 413.8 | 402.5 | 388.8 |
| 60° | 726.4 | 796.2 | 730.1 | 601.1 | 496.4 | 438.3 | 405.5 | 387.0 | 377.5 | 369.5 | 357.9 |
| 62.5° | 642.3 | 712.9 | 657.3 | 545.3 | 450.3 | 396.4 | 367.9 | 349.8 | 342.3 | 338.2 | 328.3 |
| 65° | 526.5 | 587.3 | 550.4 | 458.4 | 384.4 | 336.8 | 310.8 | 298.2 | 291.3 | 289.7 | 283.4 |
| 67.5° | 428.6 | 474.8 | 447.9 | 380.2 | 321.9 | 280.8 | 258.8 | 248.0 | 242.8 | 242.3 | 237.5 |
| 70° | 364.3 | 407.6 | 387.0 | 325.7 | 275.5 | 243.2 | 224.2 | 214.6 | 211.5 | 211.0 | 208.3 |
| 72.5° | 314.4 | 344.6 | 328.2 | 277.0 | 238.2 | 208.9 | 195.0 | 185.0 | 181.5 | 182.2 | 180.4 |
| 75° | 232.6 | 255.4 | 245.8 | 210.5 | 179.3 | 160.2 | 148.6 | 142.2 | 139.1 | 140.7 | 138.6 |
| 77.5° | 167.3 | 181.8 | 173.2 | 148.7 | 129.5 | 115.6 | 107.1 | 103.2 | 100.4 | 100.3 | 99.3 |
| 80° | 126.3 | 134.8 | 130.1 | 115.2 | 99.4 | 87.8 | 80.9 | 78.3 | 76.6 | 76.1 | 75.6 |
| 82.5° | 90.0 | 97.1 | 91.6 | 81.4 | 70.6 | 63.6 | 59.8 | 56.2 | 55.1 | 55.4 | 54.8 |
| 85° | 45.4 | 48.1 | 45.9 | 39.7 | 35.4 | 32.2 | 30.1 | 28.6 | 27.5 | 28.0 | 27.0 |
| 87.5° | 17.3 | 17.5 | 16.0 | 14.0 | 12.9 | 11.5 | 11.3 | 10.2 | 9.6 | 9.8 | 9.6 |
| 90° | 8.3 | 7.0 | 5.7 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 | 1.4 | 2.4 | 3.4 |
| 92.5° | 9.6 | 8.7 | 7.7 | 7.3 | 7.6 | 7.9 | 8.2 | 8.5 | 8.2 | 7.9 | 7.6 |
| 95° | 11.8 | 10.7 | 9.6 | 11.1 | 15.2 | 19.4 | 23.5 | 27.7 | 23.5 | 19.4 | 15.2 |
| 97.5° | 29.1 | 36.4 | 43.6 | 48.2 | 50.1 | 51.9 | 53.7 | 55.6 | 53.7 | 51.9 | 50.1 |
| 100° | 46.5 | 62.2 | 77.9 | 84.7 | 82.7 | 80.7 | 78.7 | 76.6 | 78.7 | 80.7 | 82.7 |
| 102.5° | 64.2 | 81.4 | 98.6 | 106.4 | 105.0 | 103.5 | 102.1 | 100.6 | 102.1 | 103.5 | 105.0 |
| 105° | 117.5 | 126.5 | 135.6 | 139.7 | 138.6 | 137.4 | 136.3 | 135.2 | 136.3 | 137.4 | 138.6 |
| 107.5° | 179.3 | 177.8 | 176.4 | 175.2 | 174.3 | 173.5 | 172.6 | 171.7 | 172.6 | 173.5 | 174.3 |
| 110° | 202.4 | 201.3 | 200.2 | 199.2 | 198.4 | 197.6 | 196.8 | 196.0 | 196.8 | 197.6 | 198.4 |



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 |
| 2.5° | 1073.0 | 1070.1 | 1065.8 | 1059.4 | 1054.4 | 1046.3 | 1046.3 | 1047.6 | 1047.6 | 1047.2 | 1046.3 |
| 5° | 1040.5 | 1032.5 | 1023.0 | 1011.9 | 1000.3 | 988.7 | 986.5 | 982.3 | 979.2 | 977.0 | 974.3 |
| 7.5° | 1006.1 | 992.0 | 978.2 | 962.6 | 948.5 | 936.8 | 928.6 | 921.8 | 917.5 | 912.8 | 909.5 |
| 10° | 982.8 | 965.3 | 949.0 | 932.6 | 914.6 | 900.4 | 891.4 | 885.0 | 880.3 | 876.1 | 873.9 |
| 12.5° | 955.3 | 935.3 | 917.3 | 901.7 | 882.0 | 867.4 | 858.8 | 855.9 | 850.2 | 841.3 | 836.7 |
| 15° | 915.1 | 896.7 | 874.9 | 851.2 | 841.6 | 823.6 | 813.6 | 808.9 | 805.7 | 798.8 | 796.7 |
| 17.5° | 880.8 | 856.6 | 832.2 | 814.5 | 796.8 | 782.2 | 776.6 | 770.7 | 766.5 | 760.8 | 759.2 |
| 20° | 853.3 | 831.6 | 809.4 | 790.4 | 771.8 | 756.0 | 751.2 | 747.0 | 742.8 | 740.1 | 738.0 |
| 22.5° | 825.4 | 803.8 | 785.3 | 767.5 | 747.8 | 737.4 | 732.3 | 727.6 | 724.6 | 722.9 | 720.7 |
| 25° | 786.2 | 767.1 | 746.5 | 730.6 | 714.8 | 707.9 | 704.7 | 702.1 | 699.9 | 697.3 | 696.8 |
| 27.5° | 751.0 | 730.3 | 713.6 | 698.8 | 687.4 | 681.7 | 678.6 | 677.3 | 677.8 | 678.7 | 679.3 |
| 30° | 724.8 | 705.8 | 692.1 | 679.3 | 668.8 | 663.5 | 663.0 | 663.0 | 665.1 | 665.6 | 666.7 |
| 32.5° | 700.7 | 685.1 | 671.4 | 659.0 | 651.1 | 647.4 | 649.4 | 649.4 | 651.2 | 652.5 | 654.4 |
| 35° | 665.6 | 651.9 | 641.3 | 630.8 | 623.9 | 625.4 | 626.5 | 627.5 | 630.2 | 633.4 | 635.5 |
| 37.5° | 632.1 | 620.2 | 609.2 | 600.9 | 597.7 | 600.6 | 603.1 | 605.3 | 608.4 | 610.9 | 613.0 |
| 40° | 607.9 | 599.0 | 588.4 | 581.0 | 582.1 | 583.7 | 585.8 | 588.4 | 591.1 | 592.7 | 594.8 |
| 42.5° | 585.5 | 576.1 | 568.2 | 562.0 | 563.5 | 565.5 | 566.7 | 568.2 | 571.2 | 574.0 | 575.3 |
| 45° | 551.4 | 544.0 | 536.6 | 532.9 | 534.0 | 535.0 | 536.0 | 537.7 | 540.3 | 542.4 | 543.0 |
| 47.5° | 513.0 | 507.9 | 502.9 | 499.3 | 501.0 | 500.6 | 501.9 | 505.3 | 506.1 | 507.5 | 510.4 |
| 50° | 488.5 | 483.7 | 478.0 | 476.9 | 476.9 | 476.9 | 477.4 | 481.6 | 481.6 | 483.7 | 485.8 |
| 52.5° | 461.4 | 458.4 | 454.6 | 452.7 | 451.9 | 451.9 | 454.1 | 456.3 | 457.1 | 460.1 | 462.2 |
| 55° | 421.3 | 418.2 | 415.1 | 413.4 | 412.3 | 413.4 | 417.7 | 418.7 | 421.3 | 422.9 | 424.5 |
| 57.5° | 379.6 | 377.2 | 374.7 | 373.8 | 373.5 | 375.0 | 377.3 | 380.4 | 381.1 | 386.0 | 388.4 |
| 60° | 352.1 | 348.4 | 346.3 | 346.3 | 345.3 | 350.0 | 348.9 | 354.3 | 355.3 | 358.4 | 362.1 |
| 62.5° | 323.8 | 318.8 | 317.9 | 317.9 | 319.4 | 320.8 | 322.2 | 324.6 | 327.4 | 331.3 | 334.3 |
| 65° | 278.1 | 275.5 | 279.1 | 278.6 | 277.5 | 280.7 | 280.7 | 283.4 | 286.5 | 290.2 | 296.1 |
| 67.5° | 234.8 | 233.5 | 233.8 | 233.8 | 235.4 | 237.2 | 238.6 | 241.0 | 244.8 | 248.7 | 252.5 |
| 70° | 205.6 | 207.2 | 204.6 | 206.7 | 208.3 | 208.8 | 209.8 | 213.1 | 217.3 | 219.9 | 224.2 |
| 72.5° | 177.3 | 177.2 | 177.5 | 178.3 | 180.0 | 180.9 | 182.0 | 185.6 | 190.3 | 192.5 | 195.8 |
| 75° | 136.4 | 135.8 | 137.4 | 137.4 | 140.1 | 141.2 | 142.2 | 143.8 | 148.0 | 151.2 | 153.8 |
| 77.5° | 99.6 | 100.3 | 99.9 | 101.7 | 101.0 | 101.2 | 104.4 | 106.0 | 106.4 | 112.7 | 114.1 |
| 80° | 75.0 | 76.1 | 76.6 | 77.2 | 77.8 | 76.6 | 80.4 | 81.9 | 81.9 | 85.6 | 88.3 |
| 82.5° | 53.9 | 54.5 | 55.9 | 56.5 | 56.6 | 57.7 | 58.0 | 59.1 | 60.4 | 62.0 | 65.4 |
| 85° | 27.0 | 28.6 | 29.1 | 28.6 | 29.1 | 28.0 | 29.6 | 30.1 | 30.7 | 30.7 | 30.7 |
| 87.5° | 9.4 | 10.0 | 9.9 | 10.5 | 10.4 | 11.1 | 11.1 | 10.4 | 10.5 | 11.8 | 10.2 |
| 90° | 4.4 | 5.7 | 7.0 | 8.3 | 9.6 | 10.9 | 11.3 | 11.7 | 12.1 | 12.5 | 12.8 |
| 92.5° | 7.3 | 7.7 | 8.7 | 9.6 | 10.6 | 11.6 | 12.2 | 12.9 | 13.5 | 14.2 | 14.5 |
| 95° | 11.1 | 9.6 | 10.7 | 11.8 | 12.9 | 14.0 | 14.7 | 15.5 | 16.2 | 16.9 | 17.3 |
| 97.5° | 48.2 | 43.6 | 36.4 | 29.1 | 21.9 | 14.6 | 15.5 | 16.3 | 17.1 | 17.9 | 18.3 |
| 100° | 84.7 | 77.9 | 62.2 | 46.5 | 30.7 | 14.9 | 15.8 | 16.6 | 17.4 | 18.2 | 18.7 |
| 102.5° | 106.4 | 98.6 | 81.4 | 64.2 | 47.1 | 29.9 | 27.4 | 24.8 | 22.3 | 19.9 | 18.7 |
| 105° | 139.7 | 135.6 | 126.5 | 117.5 | 108.5 | 99.4 | 81.5 | 63.6 | 45.8 | 28.0 | 19.2 |
| 107.5° | 175.2 | 176.4 | 177.8 | 179.3 | 180.7 | 182.1 | 169.1 | 155.9 | 142.9 | 129.8 | 116.5 |
| 110° | 199.2 | 200.2 | 201.3 | 202.4 | 203.5 | 204.6 | 201.3 | 197.9 | 194.6 | 191.3 | 182.5 |



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 |
| 2.5° | 1043.4 | 1043.0 | 1045.9 | 1043.8 | 1045.9 | 1043.0 | 1043.4 | 1046.3 | 1047.2 | 1047.6 | 1047.6 |
| 5° | 971.2 | 972.8 | 967.5 | 967.5 | 967.5 | 972.8 | 971.2 | 974.3 | 977.0 | 979.2 | 982.3 |
| 7.5° | 906.9 | 904.5 | 904.7 | 901.9 | 904.7 | 904.5 | 906.9 | 909.5 | 912.8 | 917.5 | 921.8 |
| 10° | 867.6 | 864.4 | 863.3 | 863.8 | 863.3 | 864.4 | 867.6 | 873.9 | 876.1 | 880.3 | 885.0 |
| 12.5° | 835.0 | 834.4 | 827.4 | 827.5 | 827.4 | 834.4 | 835.0 | 836.7 | 841.3 | 850.2 | 855.9 |
| 15° | 796.7 | 786.7 | 785.6 | 788.8 | 785.6 | 786.7 | 796.7 | 796.7 | 798.8 | 805.7 | 808.9 |
| 17.5° | 758.3 | 753.1 | 753.4 | 751.7 | 753.4 | 753.1 | 758.3 | 759.2 | 760.8 | 766.5 | 770.7 |
| 20° | 738.0 | 734.9 | 734.4 | 730.6 | 734.4 | 734.9 | 738.0 | 738.0 | 740.1 | 742.8 | 747.0 |
| 22.5° | 719.4 | 718.4 | 718.7 | 714.6 | 718.7 | 718.4 | 719.4 | 720.7 | 722.9 | 724.6 | 727.6 |
| 25° | 696.3 | 698.9 | 696.8 | 696.8 | 696.8 | 698.9 | 696.3 | 696.8 | 697.3 | 699.9 | 702.1 |
| 27.5° | 680.6 | 680.5 | 679.4 | 679.4 | 679.4 | 680.5 | 680.6 | 679.3 | 678.7 | 677.8 | 677.3 |
| 30° | 668.8 | 668.2 | 669.3 | 669.3 | 669.3 | 668.2 | 668.8 | 666.7 | 665.6 | 665.1 | 663.0 |
| 32.5° | 656.9 | 657.7 | 657.9 | 658.3 | 657.9 | 657.7 | 656.9 | 654.4 | 652.5 | 651.2 | 649.4 |
| 35° | 638.6 | 639.1 | 640.8 | 639.7 | 640.8 | 639.1 | 638.6 | 635.5 | 633.4 | 630.2 | 627.5 |
| 37.5° | 613.9 | 616.3 | 615.8 | 616.6 | 615.8 | 616.3 | 613.9 | 613.0 | 610.9 | 608.4 | 605.3 |
| 40° | 595.3 | 596.9 | 596.3 | 596.3 | 596.3 | 596.9 | 595.3 | 594.8 | 592.7 | 591.1 | 588.4 |
| 42.5° | 576.2 | 577.4 | 576.0 | 575.2 | 576.0 | 577.4 | 576.2 | 575.3 | 574.0 | 571.2 | 568.2 |
| 45° | 545.0 | 544.0 | 545.6 | 543.5 | 545.6 | 544.0 | 545.0 | 543.0 | 542.4 | 540.3 | 537.7 |
| 47.5° | 510.2 | 511.2 | 511.7 | 513.2 | 511.7 | 511.2 | 510.2 | 510.4 | 507.5 | 506.1 | 505.3 |
| 50° | 487.0 | 490.1 | 490.1 | 489.6 | 490.1 | 490.1 | 487.0 | 485.8 | 483.7 | 481.6 | 481.6 |
| 52.5° | 464.0 | 465.5 | 467.7 | 467.6 | 467.7 | 465.5 | 464.0 | 462.2 | 460.1 | 457.1 | 456.3 |
| 55° | 428.8 | 429.8 | 430.9 | 431.4 | 430.9 | 429.8 | 428.8 | 424.5 | 422.9 | 421.3 | 418.7 |
| 57.5° | 392.1 | 391.7 | 394.3 | 395.1 | 394.3 | 391.7 | 392.1 | 388.4 | 386.0 | 381.1 | 380.4 |
| 60° | 366.4 | 366.4 | 370.6 | 372.2 | 370.6 | 366.4 | 366.4 | 362.1 | 358.4 | 355.3 | 354.3 |
| 62.5° | 338.9 | 340.6 | 344.8 | 342.5 | 344.8 | 340.6 | 338.9 | 334.3 | 331.3 | 327.4 | 324.6 |
| 65° | 298.7 | 303.0 | 302.5 | 304.5 | 302.5 | 303.0 | 298.7 | 296.1 | 290.2 | 286.5 | 283.4 |
| 67.5° | 256.7 | 259.3 | 263.2 | 263.5 | 263.2 | 259.3 | 256.7 | 252.5 | 248.7 | 244.8 | 241.0 |
| 70° | 228.4 | 231.1 | 233.2 | 234.7 | 233.2 | 231.1 | 228.4 | 224.2 | 219.9 | 217.3 | 213.1 |
| 72.5° | 200.9 | 202.3 | 207.3 | 205.1 | 207.3 | 202.3 | 200.9 | 195.8 | 192.5 | 190.3 | 185.6 |
| 75° | 157.5 | 161.3 | 164.4 | 162.8 | 164.4 | 161.3 | 157.5 | 153.8 | 151.2 | 148.0 | 143.8 |
| 77.5° | 116.5 | 120.2 | 121.7 | 120.4 | 121.7 | 120.2 | 116.5 | 114.1 | 112.7 | 106.4 | 106.0 |
| 80° | 92.0 | 91.5 | 94.6 | 94.1 | 94.6 | 91.5 | 92.0 | 88.3 | 85.6 | 81.9 | 81.9 |
| 82.5° | 67.5 | 67.0 | 68.4 | 68.8 | 68.4 | 67.0 | 67.5 | 65.4 | 62.0 | 60.4 | 59.1 |
| 85° | 32.8 | 34.3 | 32.2 | 31.7 | 32.2 | 34.3 | 32.8 | 30.7 | 30.7 | 30.7 | 30.1 |
| 87.5° | 10.2 | 10.3 | 9.9 | 9.5 | 9.9 | 10.3 | 10.2 | 10.2 | 11.8 | 10.5 | 10.4 |
| 90° | 13.0 | 13.2 | 13.4 | 13.6 | 13.4 | 13.2 | 13.0 | 12.8 | 12.5 | 12.1 | 11.7 |
| 92.5° | 14.7 | 14.8 | 14.9 | 15.0 | 14.9 | 14.8 | 14.7 | 14.5 | 14.2 | 13.5 | 12.9 |
| 95° | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 16.9 | 16.2 | 15.5 |
| 97.5° | 18.4 | 18.5 | 18.6 | 18.7 | 18.6 | 18.5 | 18.4 | 18.3 | 17.9 | 17.1 | 16.3 |
| 100° | 18.8 | 18.9 | 19.0 | 19.1 | 19.0 | 18.9 | 18.8 | 18.7 | 18.2 | 17.4 | 16.6 |
| 102.5° | 18.9 | 19.1 | 19.2 | 19.4 | 19.2 | 19.1 | 18.9 | 18.7 | 19.9 | 22.3 | 24.8 |
| 105° | 19.4 | 19.6 | 19.8 | 20.0 | 19.8 | 19.6 | 19.4 | 19.2 | 28.0 | 45.8 | 63.6 |
| 107.5° | 103.0 | 89.6 | 76.1 | 62.7 | 76.1 | 89.6 | 103.0 | 116.5 | 129.8 | 142.9 | 155.9 |
| 110° | 168.0 | 153.6 | 139.2 | 124.8 | 139.2 | 153.6 | 168.0 | 182.5 | 191.3 | 194.6 | 197.9 |



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 |
| 2.5° | 1046.3 | 1046.3 | 1054.4 | 1059.4 | 1065.8 | 1070.1 | 1073.0 | 1076.0 | 1081.1 | 1087.8 | 1095.4 |
| 5° | 986.5 | 988.7 | 1000.3 | 1011.9 | 1023.0 | 1032.5 | 1040.5 | 1050.0 | 1061.6 | 1075.9 | 1091.8 |
| 7.5° | 928.6 | 936.8 | 948.5 | 962.6 | 978.2 | 992.0 | 1006.1 | 1021.8 | 1038.1 | 1059.1 | 1081.4 |
| 10° | 891.4 | 900.4 | 914.6 | 932.6 | 949.0 | 965.3 | 982.8 | 999.8 | 1020.4 | 1045.2 | 1073.8 |
| 12.5° | 858.8 | 867.4 | 882.0 | 901.7 | 917.3 | 935.3 | 955.3 | 977.3 | 1000.5 | 1030.4 | 1062.8 |
| 15° | 813.6 | 823.6 | 841.6 | 851.2 | 874.9 | 896.7 | 915.1 | 946.8 | 976.4 | 1007.1 | 1044.7 |
| 17.5° | 776.6 | 782.2 | 796.8 | 814.5 | 832.2 | 856.6 | 880.8 | 907.3 | 936.8 | 974.2 | 1021.2 |
| 20° | 751.2 | 756.0 | 771.8 | 790.4 | 809.4 | 831.6 | 853.3 | 879.7 | 913.0 | 952.7 | 1003.4 |
| 22.5° | 732.3 | 737.4 | 747.8 | 767.5 | 785.3 | 803.8 | 825.4 | 856.9 | 892.3 | 931.1 | 986.1 |
| 25° | 704.7 | 707.9 | 714.8 | 730.6 | 746.5 | 767.1 | 786.2 | 815.8 | 852.2 | 897.7 | 952.7 |
| 27.5° | 678.6 | 681.7 | 687.4 | 698.8 | 713.6 | 730.3 | 751.0 | 776.2 | 813.2 | 862.6 | 921.0 |
| 30° | 663.0 | 663.5 | 668.8 | 679.3 | 692.1 | 705.8 | 724.8 | 753.4 | 788.3 | 838.5 | 899.8 |
| 32.5° | 649.4 | 647.4 | 651.1 | 659.0 | 671.4 | 685.1 | 700.7 | 728.8 | 762.4 | 811.8 | 874.8 |
| 35° | 626.5 | 625.4 | 623.9 | 630.8 | 641.3 | 651.9 | 665.6 | 686.8 | 724.8 | 770.8 | 836.9 |
| 37.5° | 603.1 | 600.6 | 597.7 | 600.9 | 609.2 | 620.2 | 632.1 | 651.0 | 683.7 | 734.4 | 797.6 |
| 40° | 585.8 | 583.7 | 582.1 | 581.0 | 588.4 | 599.0 | 607.9 | 625.9 | 656.6 | 704.7 | 767.1 |
| 42.5° | 566.7 | 565.5 | 563.5 | 562.0 | 568.2 | 576.1 | 585.5 | 601.5 | 632.1 | 677.2 | 736.3 |
| 45° | 536.0 | 535.0 | 534.0 | 532.9 | 536.6 | 544.0 | 551.4 | 563.0 | 589.5 | 633.4 | 686.8 |
| 47.5° | 501.9 | 500.6 | 501.0 | 499.3 | 502.9 | 507.9 | 513.0 | 525.5 | 550.9 | 586.3 | 625.3 |
| 50° | 477.4 | 476.9 | 476.9 | 476.9 | 478.0 | 483.7 | 488.5 | 498.1 | 521.3 | 556.7 | 584.7 |
| 52.5° | 454.1 | 451.9 | 451.9 | 452.7 | 454.6 | 458.4 | 461.4 | 471.8 | 492.1 | 521.2 | 546.6 |
| 55° | 417.7 | 413.4 | 412.3 | 413.4 | 415.1 | 418.2 | 421.3 | 429.8 | 447.3 | 469.0 | 483.7 |
| 57.5° | 377.3 | 375.0 | 373.5 | 373.8 | 374.7 | 377.2 | 379.6 | 388.8 | 402.5 | 413.8 | 423.3 |
| 60° | 348.9 | 350.0 | 345.3 | 346.3 | 346.3 | 348.4 | 352.1 | 357.9 | 369.5 | 377.5 | 387.0 |
| 62.5° | 322.2 | 320.8 | 319.4 | 317.9 | 317.9 | 318.8 | 323.8 | 328.3 | 338.2 | 342.3 | 349.8 |
| 65° | 280.7 | 280.7 | 277.5 | 278.6 | 279.1 | 275.5 | 278.1 | 283.4 | 289.7 | 291.3 | 298.2 |
| 67.5° | 238.6 | 237.2 | 235.4 | 233.8 | 233.8 | 233.5 | 234.8 | 237.5 | 242.3 | 242.8 | 248.0 |
| 70° | 209.8 | 208.8 | 208.3 | 206.7 | 204.6 | 207.2 | 205.6 | 208.3 | 211.0 | 211.5 | 214.6 |
| 72.5° | 182.0 | 180.9 | 180.0 | 178.3 | 177.5 | 177.2 | 177.3 | 180.4 | 182.2 | 181.5 | 185.0 |
| 75° | 142.2 | 141.2 | 140.1 | 137.4 | 137.4 | 135.8 | 136.4 | 138.6 | 140.7 | 139.1 | 142.2 |
| 77.5° | 104.4 | 101.2 | 101.0 | 101.7 | 99.9 | 100.3 | 99.6 | 99.3 | 100.3 | 100.4 | 103.2 |
| 80° | 80.4 | 76.6 | 77.8 | 77.2 | 76.6 | 76.1 | 75.0 | 75.6 | 76.1 | 76.6 | 78.3 |
| 82.5° | 58.0 | 57.7 | 56.6 | 56.5 | 55.9 | 54.5 | 53.9 | 54.8 | 55.4 | 55.1 | 56.2 |
| 85° | 29.6 | 28.0 | 29.1 | 28.6 | 29.1 | 28.6 | 27.0 | 27.0 | 28.0 | 27.5 | 28.6 |
| 87.5° | 11.1 | 11.1 | 10.4 | 10.5 | 9.9 | 10.0 | 9.4 | 9.6 | 9.8 | 9.6 | 10.2 |
| 90° | 11.3 | 10.9 | 9.6 | 8.3 | 7.0 | 5.7 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 92.5° | 12.2 | 11.6 | 10.6 | 9.6 | 8.7 | 7.7 | 7.3 | 7.6 | 7.9 | 8.2 | 8.5 |
| 95° | 14.7 | 14.0 | 12.9 | 11.8 | 10.7 | 9.6 | 11.1 | 15.2 | 19.4 | 23.5 | 27.7 |
| 97.5° | 15.5 | 14.6 | 21.9 | 29.1 | 36.4 | 43.6 | 48.2 | 50.1 | 51.9 | 53.7 | 55.6 |
| 100° | 15.8 | 14.9 | 30.7 | 46.5 | 62.2 | 77.9 | 84.7 | 82.7 | 80.7 | 78.7 | 76.6 |
| 102.5° | 27.4 | 29.9 | 47.1 | 64.2 | 81.4 | 98.6 | 106.4 | 105.0 | 103.5 | 102.1 | 100.6 |
| 105° | 81.5 | 99.4 | 108.5 | 117.5 | 126.5 | 135.6 | 139.7 | 138.6 | 137.4 | 136.3 | 135.2 |
| 107.5° | 169.1 | 182.1 | 180.7 | 179.3 | 177.8 | 176.4 | 175.2 | 174.3 | 173.5 | 172.6 | 171.7 |
| 110° | 201.3 | 204.6 | 203.5 | 202.4 | 201.3 | 200.2 | 199.2 | 198.4 | 197.6 | 196.8 | 196.0 |



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 |
| 2.5° | 1097.9 | 1100.0 | 1107.3 | 1112.4 | 1118.2 | 1121.7 | 1125.0 | 1127.6 | 1130.9 | 1131.8 | 1144.1 |
| 5° | 1102.9 | 1113.4 | 1132.0 | 1145.7 | 1162.6 | 1181.0 | 1193.8 | 1199.6 | 1214.9 | 1227.6 | 1252.9 |
| 7.5° | 1101.5 | 1124.0 | 1151.9 | 1180.8 | 1211.9 | 1240.7 | 1265.7 | 1295.3 | 1316.4 | 1348.0 | 1379.1 |
| 10° | 1100.1 | 1130.3 | 1166.3 | 1203.3 | 1246.7 | 1286.8 | 1322.7 | 1362.9 | 1396.2 | 1440.2 | 1477.6 |
| 12.5° | 1096.4 | 1132.9 | 1182.8 | 1226.6 | 1279.2 | 1334.6 | 1387.9 | 1439.5 | 1468.9 | 1542.1 | 1576.6 |
| 15° | 1087.0 | 1130.3 | 1192.8 | 1259.3 | 1331.7 | 1397.4 | 1465.0 | 1518.9 | 1606.1 | 1670.1 | 1710.8 |
| 17.5° | 1069.0 | 1129.7 | 1203.7 | 1284.0 | 1372.1 | 1458.5 | 1535.2 | 1617.0 | 1709.5 | 1787.0 | 1869.5 |
| 20° | 1060.6 | 1127.1 | 1209.6 | 1298.5 | 1389.9 | 1487.7 | 1575.0 | 1673.2 | 1774.2 | 1850.4 | 1956.1 |
| 22.5° | 1044.9 | 1120.3 | 1209.2 | 1308.2 | 1405.9 | 1507.1 | 1609.2 | 1708.4 | 1825.0 | 1930.0 | 2030.5 |
| 25° | 1019.3 | 1103.9 | 1195.9 | 1306.4 | 1421.1 | 1522.6 | 1644.8 | 1776.4 | 1897.9 | 2032.8 | 2133.2 |
| 27.5° | 992.4 | 1082.8 | 1175.0 | 1277.7 | 1401.1 | 1521.6 | 1675.2 | 1823.9 | 1972.7 | 2089.0 | 2163.3 |
| 30° | 971.7 | 1059.4 | 1154.7 | 1258.3 | 1380.4 | 1523.7 | 1695.5 | 1857.7 | 2002.7 | 2102.5 | 2144.3 |
| 32.5° | 949.3 | 1038.3 | 1122.5 | 1231.2 | 1361.4 | 1522.4 | 1708.2 | 1877.6 | 2004.4 | 2070.8 | 2062.8 |
| 35° | 914.1 | 988.7 | 1070.6 | 1175.3 | 1328.6 | 1513.1 | 1715.6 | 1879.5 | 1957.2 | 1942.9 | 1835.0 |
| 37.5° | 863.3 | 926.0 | 1006.7 | 1121.4 | 1290.5 | 1493.5 | 1700.8 | 1823.7 | 1818.7 | 1702.4 | 1546.2 |
| 40° | 831.6 | 885.0 | 962.7 | 1083.3 | 1260.9 | 1480.9 | 1677.5 | 1757.4 | 1689.7 | 1527.3 | 1340.2 |
| 42.5° | 790.2 | 839.3 | 917.1 | 1041.0 | 1228.3 | 1455.0 | 1633.1 | 1656.3 | 1523.9 | 1337.1 | 1165.5 |
| 45° | 725.9 | 769.2 | 849.6 | 977.5 | 1179.5 | 1398.9 | 1524.7 | 1468.1 | 1290.0 | 1097.0 | 966.4 |
| 47.5° | 656.8 | 701.9 | 779.2 | 910.6 | 1108.8 | 1314.4 | 1374.3 | 1254.1 | 1071.1 | 914.6 | 794.8 |
| 50° | 613.3 | 656.6 | 732.3 | 864.9 | 1061.1 | 1245.1 | 1269.9 | 1114.5 | 946.3 | 808.9 | 710.5 |
| 52.5° | 569.3 | 610.1 | 684.4 | 817.6 | 1005.2 | 1164.7 | 1149.3 | 991.0 | 836.4 | 719.2 | 642.1 |
| 55° | 503.8 | 542.4 | 613.3 | 738.0 | 908.8 | 1035.1 | 979.7 | 828.5 | 700.5 | 609.6 | 550.9 |
| 57.5° | 445.2 | 482.3 | 543.4 | 656.1 | 804.6 | 891.4 | 820.7 | 693.3 | 591.6 | 521.6 | 477.9 |
| 60° | 405.5 | 438.3 | 496.4 | 601.1 | 730.1 | 796.2 | 726.4 | 613.8 | 528.2 | 472.1 | 433.0 |
| 62.5° | 367.9 | 396.4 | 450.3 | 545.3 | 657.3 | 712.9 | 642.3 | 546.9 | 474.0 | 424.3 | 391.1 |
| 65° | 310.8 | 336.8 | 384.4 | 458.4 | 550.4 | 587.3 | 526.5 | 449.4 | 392.8 | 355.8 | 333.6 |
| 67.5° | 258.8 | 280.8 | 321.9 | 380.2 | 447.9 | 474.8 | 428.6 | 368.8 | 326.2 | 296.5 | 278.8 |
| 70° | 224.2 | 243.2 | 275.5 | 325.7 | 387.0 | 407.6 | 364.3 | 315.1 | 283.9 | 260.1 | 243.7 |
| 72.5° | 195.0 | 208.9 | 238.2 | 277.0 | 328.2 | 344.6 | 314.4 | 271.1 | 242.1 | 224.2 | 211.2 |
| 75° | 148.6 | 160.2 | 179.3 | 210.5 | 245.8 | 255.4 | 232.6 | 205.6 | 186.1 | 173.4 | 163.4 |
| 77.5° | 107.1 | 115.6 | 129.5 | 148.7 | 173.2 | 181.8 | 167.3 | 149.4 | 135.1 | 126.5 | 121.0 |
| 80° | 80.9 | 87.8 | 99.4 | 115.2 | 130.1 | 134.8 | 126.3 | 112.6 | 102.6 | 97.9 | 93.0 |
| 82.5° | 59.8 | 63.6 | 70.6 | 81.4 | 91.6 | 97.1 | 90.0 | 81.7 | 76.3 | 72.0 | 70.2 |
| 85° | 30.1 | 32.2 | 35.4 | 39.7 | 45.9 | 48.1 | 45.4 | 43.3 | 40.2 | 37.6 | 37.6 |
| 87.5° | 11.3 | 11.5 | 12.9 | 14.0 | 16.0 | 17.5 | 17.3 | 16.8 | 16.6 | 16.3 | 15.9 |
| 90° | 1.4 | 2.4 | 3.4 | 4.4 | 5.7 | 7.0 | 8.3 | 9.6 | 10.9 | 11.3 | 11.7 |
| 92.5° | 8.2 | 7.9 | 7.6 | 7.3 | 7.7 | 8.7 | 9.6 | 10.6 | 11.6 | 12.2 | 12.9 |
| 95° | 23.5 | 19.4 | 15.2 | 11.1 | 9.6 | 10.7 | 11.8 | 12.9 | 14.0 | 14.7 | 15.5 |
| 97.5° | 53.7 | 51.9 | 50.1 | 48.2 | 43.6 | 36.4 | 29.1 | 21.9 | 14.6 | 15.5 | 16.3 |
| 100° | 78.7 | 80.7 | 82.7 | 84.7 | 77.9 | 62.2 | 46.5 | 30.7 | 14.9 | 15.8 | 16.6 |
| 102.5° | 102.1 | 103.5 | 105.0 | 106.4 | 98.6 | 81.4 | 64.2 | 47.1 | 29.9 | 27.4 | 24.8 |
| 105° | 136.3 | 137.4 | 138.6 | 139.7 | 135.6 | 126.5 | 117.5 | 108.5 | 99.4 | 81.5 | 63.6 |
| 107.5° | 172.6 | 173.5 | 174.3 | 175.2 | 176.4 | 177.8 | 179.3 | 180.7 | 182.1 | 169.1 | 155.9 |
| 110° | 196.8 | 197.6 | 198.4 | 199.2 | 200.2 | 201.3 | 202.4 | 203.5 | 204.6 | 201.3 | 197.9 |



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 | 1091.2 |
| 2.5° | 1148.3 | 1148.7 | 1153.4 | 1156.8 | 1155.1 | 1157.2 | 1158.0 |
| 5° | 1254.6 | 1273.6 | 1283.6 | 1291.0 | 1291.6 | 1292.1 | 1296.4 |
| 7.5° | 1405.2 | 1425.6 | 1440.6 | 1463.2 | 1470.0 | 1477.6 | 1475.4 |
| 10° | 1515.2 | 1545.3 | 1571.2 | 1585.0 | 1599.8 | 1621.4 | 1604.1 |
| 12.5° | 1618.0 | 1671.4 | 1710.8 | 1732.2 | 1746.2 | 1750.5 | 1741.9 |
| 15° | 1787.5 | 1857.2 | 1894.8 | 1893.7 | 1941.4 | 1962.0 | 1929.7 |
| 17.5° | 1942.9 | 2007.3 | 2058.9 | 2085.4 | 2125.0 | 2133.7 | 2129.7 |
| 20° | 2038.1 | 2108.4 | 2148.6 | 2194.0 | 2214.6 | 2233.1 | 2236.3 |
| 22.5° | 2120.1 | 2183.2 | 2226.3 | 2264.2 | 2281.5 | 2290.3 | 2295.5 |
| 25° | 2204.6 | 2254.3 | 2280.2 | 2293.4 | 2298.1 | 2297.1 | 2290.3 |
| 27.5° | 2198.8 | 2202.6 | 2174.0 | 2146.1 | 2121.0 | 2092.7 | 2083.0 |
| 30° | 2141.7 | 2097.3 | 2018.0 | 1973.1 | 1906.9 | 1854.6 | 1875.7 |
| 32.5° | 1991.6 | 1903.2 | 1814.1 | 1715.9 | 1634.6 | 1611.4 | 1588.1 |
| 35° | 1699.7 | 1544.3 | 1453.4 | 1347.6 | 1305.4 | 1263.0 | 1234.0 |
| 37.5° | 1375.1 | 1254.9 | 1147.0 | 1077.8 | 1035.5 | 1008.8 | 994.3 |
| 40° | 1189.0 | 1080.7 | 991.8 | 935.7 | 903.5 | 873.4 | 869.2 |
| 42.5° | 1040.6 | 939.8 | 872.9 | 828.3 | 797.4 | 784.6 | 775.3 |
| 45° | 852.2 | 781.9 | 737.0 | 705.3 | 684.7 | 676.7 | 666.1 |
| 47.5° | 721.3 | 671.7 | 637.9 | 616.3 | 600.8 | 594.9 | 594.0 |
| 50° | 648.1 | 606.9 | 582.1 | 565.1 | 553.0 | 550.9 | 542.4 |
| 52.5° | 593.2 | 557.4 | 538.1 | 523.3 | 514.5 | 508.6 | 506.0 |
| 55° | 514.9 | 491.1 | 473.7 | 465.2 | 458.4 | 452.5 | 452.5 |
| 57.5° | 450.5 | 430.7 | 419.1 | 411.9 | 409.8 | 405.7 | 403.0 |
| 60° | 410.8 | 393.8 | 384.9 | 378.5 | 374.4 | 374.9 | 370.1 |
| 62.5° | 371.8 | 360.9 | 352.3 | 346.0 | 340.9 | 341.0 | 341.3 |
| 65° | 316.7 | 308.2 | 301.8 | 299.7 | 296.6 | 292.9 | 294.0 |
| 67.5° | 268.3 | 260.4 | 255.5 | 251.9 | 250.9 | 248.8 | 251.9 |
| 70° | 233.7 | 227.8 | 224.2 | 221.0 | 219.9 | 220.5 | 223.1 |
| 72.5° | 202.0 | 197.8 | 195.4 | 193.9 | 191.6 | 191.7 | 193.5 |
| 75° | 158.6 | 155.4 | 153.3 | 151.7 | 151.2 | 151.2 | 151.2 |
| 77.5° | 116.5 | 115.8 | 114.8 | 112.5 | 112.6 | 113.2 | 113.3 |
| 80° | 92.0 | 90.4 | 89.9 | 88.9 | 87.3 | 86.1 | 88.9 |
| 82.5° | 68.8 | 67.2 | 66.7 | 66.4 | 63.9 | 63.7 | 65.9 |
| 85° | 37.0 | 35.4 | 36.0 | 35.4 | 35.4 | 34.9 | 34.9 |
| 87.5° | 15.6 | 15.1 | 14.8 | 15.2 | 14.9 | 14.5 | 15.5 |
| 90° | 12.1 | 12.5 | 12.8 | 13.0 | 13.2 | 13.4 | 13.6 |
| 92.5° | 13.5 | 14.2 | 14.5 | 14.7 | 14.8 | 14.9 | 15.0 |
| 95° | 16.2 | 16.9 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 |
| 97.5° | 17.1 | 17.9 | 18.3 | 18.4 | 18.5 | 18.6 | 18.7 |
| 100° | 17.4 | 18.2 | 18.7 | 18.8 | 18.9 | 19.0 | 19.1 |
| 102.5° | 22.3 | 19.9 | 18.7 | 18.9 | 19.1 | 19.2 | 19.4 |
| 105° | 45.8 | 28.0 | 19.2 | 19.4 | 19.6 | 19.8 | 20.0 |
| 107.5° | 142.9 | 129.8 | 116.5 | 103.0 | 89.6 | 76.1 | 62.7 |
| 110° | 194.6 | 191.3 | 182.5 | 168.0 | 153.6 | 139.2 | 124.8 |



TEST NUMBER: P332150-840

CATALOG NUMBER: S123DIW-S775D460U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)