

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: P332210

Luminaire Tested: **S123DIW-S1165D460U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332210
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-S1165D460U835-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1165 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: 6741.8 lumens
Efficiency: N/A
Efficacy: 128.7 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

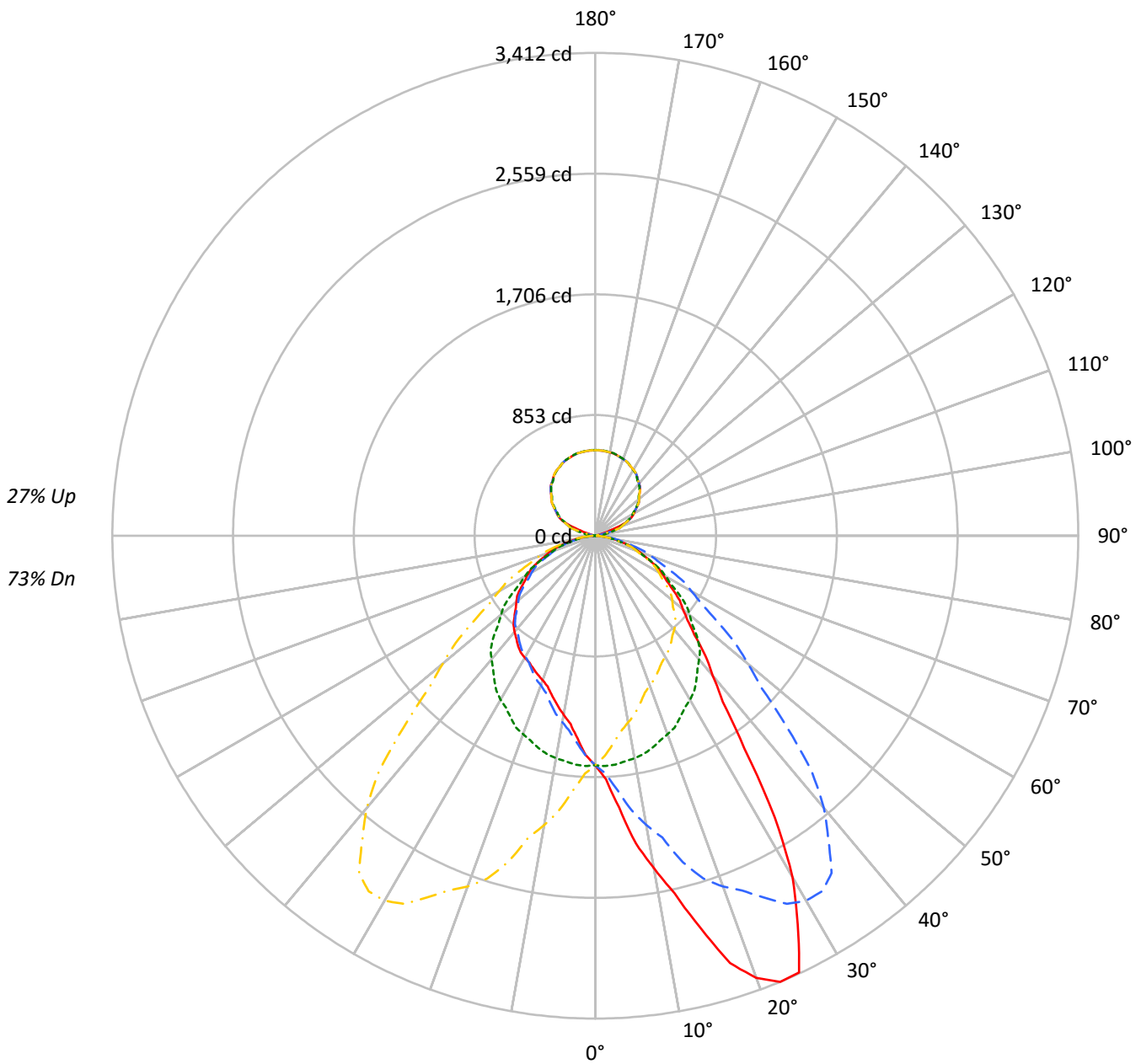
Input Watts (W): 52.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332210

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



TEST NUMBER: P332210

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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 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | 86 | 86 | 86 | 77 | 77 | 77 | 73 |
| 1 | 103 | 99 | 95 | 92 | 98 | 94 | 91 | 88 | 85 | 82 | 80 | 76 | 74 | 73 | 69 | 67 | 66 | 62 |
| 2 | 94 | 87 | 81 | 75 | 89 | 83 | 77 | 73 | 75 | 71 | 67 | 68 | 64 | 61 | 61 | 58 | 56 | 53 |
| 3 | 86 | 77 | 69 | 63 | 82 | 73 | 66 | 61 | 66 | 61 | 57 | 60 | 56 | 52 | 54 | 51 | 48 | 45 |
| 4 | 79 | 68 | 60 | 54 | 75 | 65 | 58 | 52 | 59 | 53 | 49 | 54 | 49 | 45 | 49 | 45 | 42 | 39 |
| 5 | 73 | 61 | 53 | 47 | 69 | 58 | 51 | 45 | 53 | 47 | 42 | 48 | 43 | 39 | 44 | 40 | 37 | 34 |
| 6 | 67 | 55 | 47 | 41 | 64 | 53 | 45 | 39 | 48 | 42 | 37 | 44 | 39 | 35 | 40 | 36 | 32 | 30 |
| 7 | 62 | 50 | 42 | 36 | 59 | 48 | 40 | 35 | 44 | 37 | 33 | 40 | 35 | 31 | 37 | 32 | 29 | 26 |
| 8 | 58 | 45 | 37 | 32 | 55 | 44 | 36 | 31 | 40 | 34 | 29 | 37 | 31 | 28 | 34 | 29 | 26 | 24 |
| 9 | 54 | 42 | 34 | 29 | 51 | 40 | 33 | 28 | 37 | 31 | 26 | 34 | 29 | 25 | 31 | 27 | 23 | 21 |
| 10 | 51 | 38 | 31 | 26 | 48 | 37 | 30 | 25 | 34 | 28 | 24 | 31 | 26 | 23 | 29 | 24 | 21 | 19 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 17460 | 17460 | 17460 | 17460 |
| 5° | 20822 | 17535 | 15540 | 17535 |
| 10° | 26063 | 17446 | 14036 | 17446 |
| 15° | 31967 | 17306 | 13067 | 17306 |
| 20° | 38080 | 17087 | 12441 | 17087 |
| 25° | 40435 | 16820 | 12302 | 16820 |
| 30° | 34657 | 16625 | 12367 | 16625 |
| 35° | 24103 | 16348 | 12496 | 16348 |
| 40° | 18156 | 16024 | 12456 | 16024 |
| 45° | 15075 | 15541 | 12298 | 15541 |
| 50° | 13504 | 14555 | 12188 | 14555 |
| 55° | 12624 | 13495 | 12035 | 13495 |
| 60° | 11842 | 12385 | 11911 | 12385 |
| 65° | 11130 | 11291 | 11530 | 11291 |
| 70° | 10439 | 10043 | 10980 | 10043 |
| 75° | 9349 | 8792 | 10069 | 8792 |
| 80° | 8182 | 7209 | 8672 | 7209 |
| 85° | 6410 | 5236 | 5829 | 5236 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 159.8 | 2.4 |
| 10°-20° | 512.4 | 7.6 |
| 20°-30° | 859.9 | 12.8 |
| 30°-40° | 973.7 | 14.4 |
| 40°-50° | 873.2 | 13.0 |
| 50°-60° | 704.7 | 10.5 |
| 60°-70° | 491.0 | 7.3 |
| 70°-80° | 258.1 | 3.8 |
| 80°-90° | 64.8 | 1.0 |
| 90°-100° | 22.0 | 0.3 |
| 100°-110° | 104.8 | 1.6 |
| 110°-120° | 251.7 | 3.7 |
| 120°-130° | 320.5 | 4.8 |
| 130°-140° | 342.4 | 5.1 |
| 140°-150° | 320.2 | 4.7 |
| 150°-160° | 258.3 | 3.8 |
| 160°-170° | 166.7 | 2.5 |
| 170°-180° | 57.5 | 0.9 |
| 0°-30° | 1532.1 | 22.7 |
| 0°-40° | 2505.8 | 37.2 |
| 0°-60° | 4083.7 | 60.6 |
| 0°-90° | 4897.6 | 72.6 |
| 90°-120° | 378.5 | 5.6 |
| 90°-150° | 1361.6 | 20.2 |
| 90°-180° | 1844.0 | 27.4 |
| 0°-180° | 6741.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1622 | 1622 | 1622 | 1622 | 1622 | |
| 5° | 1927 | 1623 | 1438 | 1623 | 1927 | 200 |
| 15° | 2869 | 1553 | 1173 | 1553 | 2869 | 828 |
| 25° | 3405 | 1416 | 1036 | 1416 | 3405 | 1493 |
| 35° | 1834 | 1244 | 951 | 1244 | 1834 | 1192 |
| 45° | 990 | 1021 | 808 | 1021 | 990 | 784 |
| 55° | 673 | 719 | 641 | 719 | 673 | 604 |
| 65° | 437 | 443 | 453 | 443 | 437 | 435 |
| 75° | 225 | 211 | 242 | 211 | 225 | 241 |
| 85° | 52 | 42 | 47 | 42 | 52 | 62 |
| 90° | 14 | 0 | 14 | 0 | 14 | 9 |
| 95° | 17 | 27 | 17 | 27 | 17 | 14 |
| 105° | 20 | 134 | 20 | 134 | 20 | 45 |
| 115° | 264 | 251 | 264 | 251 | 264 | 244 |
| 125° | 361 | 354 | 361 | 354 | 361 | 323 |
| 135° | 445 | 441 | 445 | 441 | 445 | 343 |
| 145° | 514 | 509 | 514 | 509 | 514 | 321 |
| 155° | 559 | 560 | 559 | 560 | 559 | 258 |
| 165° | 590 | 591 | 590 | 591 | 590 | 166 |
| 175° | 602 | 605 | 602 | 605 | 602 | 57 |
| 180° | 605 | 605 | 605 | 605 | 605 | |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 |
| 2.5° | 1721.5 | 1720.2 | 1717.1 | 1719.6 | 1714.6 | 1707.6 | 1707.0 | 1700.7 | 1682.5 | 1681.2 | 1676.2 |
| 5° | 1927.1 | 1920.8 | 1920.0 | 1919.2 | 1908.2 | 1893.3 | 1865.0 | 1862.6 | 1824.9 | 1806.0 | 1783.3 |
| 7.5° | 2193.3 | 2196.6 | 2185.2 | 2175.1 | 2141.5 | 2119.3 | 2089.0 | 2050.2 | 2003.8 | 1956.8 | 1925.5 |
| 10° | 2384.5 | 2410.4 | 2378.2 | 2356.2 | 2335.8 | 2297.2 | 2252.5 | 2196.6 | 2140.8 | 2075.6 | 2026.1 |
| 12.5° | 2589.5 | 2602.2 | 2595.7 | 2575.0 | 2543.2 | 2484.6 | 2405.2 | 2343.8 | 2292.4 | 2183.8 | 2139.9 |
| 15° | 2868.6 | 2916.6 | 2885.9 | 2815.2 | 2816.7 | 2760.9 | 2657.2 | 2543.2 | 2482.7 | 2387.6 | 2258.0 |
| 17.5° | 3166.0 | 3172.0 | 3158.9 | 3100.0 | 3060.7 | 2984.0 | 2888.3 | 2779.0 | 2656.4 | 2541.4 | 2403.8 |
| 20° | 3324.4 | 3319.7 | 3292.2 | 3261.6 | 3194.0 | 3134.3 | 3029.7 | 2907.9 | 2750.7 | 2637.6 | 2487.4 |
| 22.5° | 3412.5 | 3404.6 | 3391.6 | 3365.9 | 3309.7 | 3245.5 | 3151.7 | 3018.6 | 2868.9 | 2713.0 | 2539.6 |
| 25° | 3404.6 | 3414.8 | 3416.4 | 3409.3 | 3389.7 | 3351.2 | 3277.3 | 3171.2 | 3021.9 | 2821.5 | 2640.7 |
| 27.5° | 3096.5 | 3111.0 | 3153.0 | 3190.2 | 3231.9 | 3274.3 | 3268.6 | 3216.0 | 3105.5 | 2932.4 | 2711.4 |
| 30° | 2788.4 | 2757.0 | 2834.8 | 2933.1 | 2999.9 | 3117.7 | 3183.8 | 3187.7 | 3125.6 | 2977.1 | 2761.7 |
| 32.5° | 2360.9 | 2395.5 | 2429.9 | 2550.8 | 2696.8 | 2829.2 | 2960.6 | 3066.4 | 3078.5 | 2979.6 | 2791.3 |
| 35° | 1834.3 | 1877.6 | 1940.4 | 2003.3 | 2160.5 | 2295.7 | 2526.7 | 2727.9 | 2888.3 | 2909.5 | 2793.9 |
| 37.5° | 1478.2 | 1499.5 | 1539.3 | 1602.3 | 1705.1 | 1865.5 | 2044.2 | 2298.5 | 2530.8 | 2703.6 | 2711.1 |
| 40° | 1292.1 | 1298.3 | 1343.1 | 1391.1 | 1474.4 | 1606.4 | 1767.5 | 1992.3 | 2270.5 | 2511.8 | 2612.4 |
| 42.5° | 1152.5 | 1166.3 | 1185.3 | 1231.4 | 1297.7 | 1397.1 | 1546.9 | 1732.6 | 1987.6 | 2265.3 | 2462.1 |
| 45° | 990.3 | 1006.0 | 1017.8 | 1048.4 | 1095.6 | 1162.4 | 1266.9 | 1436.7 | 1630.8 | 1917.6 | 2182.5 |
| 47.5° | 883.1 | 884.3 | 893.1 | 916.2 | 948.3 | 998.4 | 1072.3 | 1181.4 | 1359.6 | 1592.3 | 1864.2 |
| 50° | 806.4 | 818.9 | 822.1 | 840.1 | 865.3 | 902.2 | 963.5 | 1056.3 | 1202.5 | 1406.8 | 1656.7 |
| 52.5° | 752.3 | 756.1 | 764.9 | 777.9 | 799.9 | 828.7 | 881.8 | 954.4 | 1069.2 | 1243.3 | 1473.1 |
| 55° | 672.7 | 672.7 | 681.4 | 691.6 | 704.2 | 730.1 | 765.5 | 818.9 | 906.2 | 1041.3 | 1231.5 |
| 57.5° | 599.2 | 603.1 | 609.2 | 612.4 | 623.1 | 640.2 | 669.8 | 710.3 | 775.4 | 879.4 | 1030.7 |
| 60° | 550.1 | 557.2 | 556.4 | 562.7 | 572.2 | 585.5 | 610.7 | 643.7 | 701.8 | 785.1 | 912.5 |
| 62.5° | 507.4 | 506.9 | 506.8 | 514.3 | 523.7 | 536.5 | 552.8 | 581.4 | 630.8 | 704.7 | 813.1 |
| 65° | 437.0 | 435.4 | 440.9 | 445.6 | 448.8 | 458.2 | 470.8 | 495.9 | 528.9 | 583.9 | 668.0 |
| 67.5° | 374.4 | 369.9 | 372.8 | 374.4 | 379.8 | 387.1 | 398.9 | 414.5 | 440.7 | 484.9 | 548.3 |
| 70° | 331.7 | 327.7 | 326.9 | 328.5 | 333.2 | 338.7 | 347.4 | 362.3 | 386.7 | 422.0 | 468.4 |
| 72.5° | 287.6 | 285.0 | 284.8 | 288.3 | 290.5 | 294.1 | 300.2 | 313.9 | 333.2 | 359.8 | 403.0 |
| 75° | 224.8 | 224.8 | 224.8 | 225.6 | 227.9 | 231.1 | 235.8 | 242.8 | 257.8 | 276.6 | 305.7 |
| 77.5° | 168.5 | 168.3 | 167.4 | 167.2 | 170.7 | 172.1 | 173.2 | 179.8 | 188.1 | 200.9 | 222.1 |
| 80° | 132.0 | 128.1 | 129.7 | 132.0 | 133.6 | 134.4 | 136.8 | 138.3 | 145.4 | 152.5 | 167.4 |
| 82.5° | 98.1 | 94.8 | 95.1 | 98.7 | 99.0 | 99.8 | 102.2 | 104.4 | 107.0 | 113.5 | 121.5 |
| 85° | 51.9 | 51.9 | 52.7 | 52.7 | 53.4 | 52.7 | 55.0 | 55.8 | 55.8 | 59.7 | 64.4 |
| 87.5° | 21.6 | 20.3 | 20.8 | 21.4 | 20.8 | 21.3 | 21.9 | 22.4 | 23.0 | 23.5 | 23.9 |
| 90° | 13.5 | 13.3 | 13.1 | 12.9 | 12.7 | 12.4 | 12.0 | 11.6 | 11.2 | 10.8 | 9.5 |
| 92.5° | 14.9 | 14.8 | 14.7 | 14.6 | 14.4 | 14.1 | 13.4 | 12.8 | 12.1 | 11.5 | 10.5 |
| 95° | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 16.7 | 16.0 | 15.3 | 14.6 | 13.9 | 12.8 |
| 97.5° | 18.5 | 18.4 | 18.3 | 18.2 | 18.1 | 17.7 | 16.9 | 16.1 | 15.3 | 14.5 | 21.7 |
| 100° | 18.9 | 18.8 | 18.7 | 18.6 | 18.5 | 18.0 | 17.2 | 16.4 | 15.6 | 14.8 | 30.4 |
| 102.5° | 19.2 | 19.0 | 18.9 | 18.7 | 18.5 | 19.7 | 22.1 | 24.6 | 27.1 | 29.6 | 46.6 |
| 105° | 19.8 | 19.6 | 19.4 | 19.2 | 19.0 | 27.7 | 45.4 | 63.0 | 80.7 | 98.4 | 107.4 |
| 107.5° | 62.1 | 75.4 | 88.7 | 102.0 | 115.4 | 128.5 | 141.5 | 154.4 | 167.4 | 180.3 | 178.9 |
| 110° | 123.6 | 137.8 | 152.1 | 166.4 | 180.7 | 189.4 | 192.7 | 196.0 | 199.3 | 202.6 | 201.5 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 212.0 | 215.0 | 218.0 | 221.0 | 224.0 | 225.5 | 225.4 | 225.4 | 225.3 | 225.3 | 224.2 |
| 115° | 264.2 | 263.8 | 263.4 | 263.0 | 262.6 | 261.9 | 260.9 | 259.9 | 258.9 | 257.9 | 257.0 |
| 117.5° | 293.5 | 293.4 | 293.3 | 293.2 | 293.1 | 292.7 | 291.9 | 291.1 | 290.3 | 289.5 | 289.1 |
| 120° | 313.6 | 313.6 | 313.6 | 313.6 | 313.6 | 313.2 | 312.4 | 311.6 | 310.8 | 310.0 | 309.7 |
| 122.5° | 333.4 | 333.3 | 333.2 | 333.1 | 333.0 | 332.7 | 332.2 | 331.6 | 331.0 | 330.5 | 330.1 |
| 125° | 361.2 | 361.0 | 360.8 | 360.6 | 360.4 | 360.2 | 360.0 | 359.8 | 359.6 | 359.4 | 359.0 |
| 127.5° | 388.0 | 388.2 | 388.4 | 388.6 | 388.8 | 388.7 | 388.4 | 388.1 | 387.8 | 387.5 | 387.0 |
| 130° | 405.2 | 405.4 | 405.6 | 405.8 | 406.0 | 405.9 | 405.5 | 405.1 | 404.7 | 404.3 | 404.0 |
| 132.5° | 421.1 | 421.3 | 421.6 | 421.9 | 422.2 | 422.1 | 421.7 | 421.3 | 420.9 | 420.5 | 420.2 |
| 135° | 445.2 | 445.5 | 445.8 | 446.1 | 446.4 | 446.4 | 446.1 | 445.8 | 445.5 | 445.2 | 444.8 |
| 137.5° | 468.0 | 468.2 | 468.4 | 468.6 | 468.8 | 468.6 | 468.1 | 467.7 | 467.2 | 466.7 | 466.5 |
| 140° | 481.6 | 481.8 | 482.0 | 482.2 | 482.4 | 482.3 | 481.9 | 481.5 | 481.1 | 480.7 | 480.4 |
| 142.5° | 494.2 | 494.5 | 494.8 | 495.0 | 495.3 | 495.3 | 495.0 | 494.7 | 494.3 | 494.0 | 493.7 |
| 145° | 513.5 | 513.5 | 513.5 | 513.5 | 513.5 | 513.4 | 513.2 | 513.0 | 512.8 | 512.6 | 512.4 |
| 147.5° | 527.9 | 528.4 | 528.8 | 529.3 | 529.7 | 529.9 | 529.7 | 529.5 | 529.3 | 529.1 | 528.9 |
| 150° | 538.7 | 539.0 | 539.3 | 539.6 | 539.9 | 539.9 | 539.7 | 539.5 | 539.3 | 539.1 | 538.9 |
| 152.5° | 547.3 | 547.8 | 548.2 | 548.7 | 549.1 | 549.2 | 548.8 | 548.5 | 548.1 | 547.8 | 547.6 |
| 155° | 559.4 | 559.9 | 560.5 | 561.1 | 561.7 | 561.8 | 561.3 | 560.8 | 560.3 | 559.8 | 559.7 |
| 157.5° | 569.5 | 570.3 | 571.1 | 571.8 | 572.6 | 572.7 | 572.1 | 571.5 | 570.9 | 570.3 | 570.4 |
| 160° | 576.0 | 576.7 | 577.4 | 578.1 | 578.8 | 578.8 | 578.2 | 577.6 | 577.0 | 576.4 | 576.5 |
| 162.5° | 582.1 | 582.7 | 583.3 | 583.9 | 584.6 | 584.5 | 583.9 | 583.2 | 582.5 | 581.8 | 581.9 |
| 165° | 589.5 | 590.2 | 590.9 | 591.5 | 592.2 | 592.2 | 591.4 | 590.6 | 589.8 | 589.0 | 589.1 |
| 167.5° | 594.8 | 595.6 | 596.4 | 597.1 | 597.9 | 597.9 | 597.1 | 596.4 | 595.6 | 594.8 | 594.8 |
| 170° | 598.0 | 598.8 | 599.6 | 600.4 | 601.2 | 601.2 | 600.4 | 599.6 | 598.8 | 598.0 | 598.0 |
| 172.5° | 599.8 | 600.7 | 601.5 | 602.4 | 603.3 | 603.3 | 602.5 | 601.7 | 600.9 | 600.1 | 600.1 |
| 175° | 602.5 | 603.3 | 604.1 | 604.9 | 605.7 | 605.7 | 605.0 | 604.3 | 603.6 | 602.9 | 602.8 |
| 177.5° | 603.3 | 604.1 | 604.9 | 605.7 | 606.5 | 606.6 | 605.9 | 605.3 | 604.6 | 604.0 | 603.9 |
| 180° | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 |
| 2.5° | 1672.4 | 1667.4 | 1662.4 | 1653.6 | 1646.0 | 1635.3 | 1632.2 | 1628.4 | 1617.1 | 1607.1 | 1599.5 |
| 5° | 1774.6 | 1755.7 | 1728.2 | 1703.1 | 1682.7 | 1655.2 | 1639.4 | 1622.9 | 1599.3 | 1578.1 | 1560.8 |
| 7.5° | 1881.5 | 1844.4 | 1801.6 | 1755.4 | 1712.4 | 1670.9 | 1637.4 | 1607.5 | 1574.5 | 1543.2 | 1518.9 |
| 10° | 1966.4 | 1912.9 | 1853.2 | 1788.8 | 1733.7 | 1680.3 | 1635.5 | 1596.2 | 1553.8 | 1516.8 | 1486.2 |
| 12.5° | 2063.2 | 1984.0 | 1901.6 | 1823.3 | 1758.3 | 1684.1 | 1629.8 | 1579.9 | 1531.8 | 1487.3 | 1452.9 |
| 15° | 2177.8 | 2077.2 | 1979.7 | 1872.1 | 1773.0 | 1680.3 | 1615.9 | 1553.0 | 1497.2 | 1451.6 | 1407.6 |
| 17.5° | 2282.2 | 2168.2 | 2039.8 | 1908.8 | 1789.4 | 1679.4 | 1589.1 | 1518.1 | 1448.3 | 1392.5 | 1348.6 |
| 20° | 2341.3 | 2211.6 | 2066.2 | 1930.2 | 1798.2 | 1675.6 | 1576.6 | 1491.7 | 1416.2 | 1357.3 | 1307.8 |
| 22.5° | 2392.2 | 2240.5 | 2090.1 | 1944.7 | 1797.6 | 1665.5 | 1553.3 | 1465.9 | 1384.2 | 1326.5 | 1273.8 |
| 25° | 2445.0 | 2263.5 | 2112.6 | 1942.0 | 1777.8 | 1641.0 | 1515.3 | 1416.2 | 1334.5 | 1266.9 | 1212.7 |
| 27.5° | 2490.3 | 2261.9 | 2082.8 | 1899.4 | 1746.6 | 1609.6 | 1475.3 | 1369.1 | 1282.3 | 1208.9 | 1153.9 |
| 30° | 2520.4 | 2265.0 | 2052.0 | 1870.5 | 1716.5 | 1575.0 | 1444.5 | 1337.6 | 1246.5 | 1171.8 | 1119.9 |
| 32.5° | 2539.3 | 2263.1 | 2023.7 | 1830.3 | 1668.7 | 1543.5 | 1411.2 | 1300.5 | 1206.9 | 1133.5 | 1083.5 |
| 35° | 2550.3 | 2249.3 | 1975.0 | 1747.1 | 1591.5 | 1469.7 | 1358.9 | 1244.1 | 1145.9 | 1077.5 | 1020.9 |
| 37.5° | 2528.3 | 2220.2 | 1918.4 | 1666.9 | 1496.6 | 1376.6 | 1283.4 | 1185.6 | 1091.6 | 1016.4 | 967.6 |
| 40° | 2493.7 | 2201.4 | 1874.4 | 1610.4 | 1431.2 | 1315.6 | 1236.3 | 1140.4 | 1047.6 | 976.1 | 930.5 |
| 42.5° | 2427.7 | 2163.0 | 1826.0 | 1547.5 | 1363.3 | 1247.7 | 1174.6 | 1094.5 | 1006.8 | 939.6 | 894.1 |
| 45° | 2266.6 | 2079.5 | 1753.4 | 1453.2 | 1263.0 | 1143.5 | 1079.1 | 1020.9 | 941.5 | 876.3 | 837.0 |
| 47.5° | 2043.1 | 1954.0 | 1648.4 | 1353.7 | 1158.3 | 1043.4 | 976.4 | 929.6 | 871.6 | 818.9 | 781.2 |
| 50° | 1887.8 | 1850.8 | 1577.3 | 1285.8 | 1088.5 | 976.1 | 911.7 | 869.2 | 827.6 | 774.9 | 740.3 |
| 52.5° | 1708.6 | 1731.4 | 1494.4 | 1215.3 | 1017.5 | 907.0 | 846.3 | 812.6 | 774.8 | 731.5 | 701.4 |
| 55° | 1456.3 | 1538.8 | 1351.0 | 1097.1 | 911.7 | 806.4 | 749.0 | 719.1 | 697.1 | 664.9 | 639.0 |
| 57.5° | 1220.1 | 1325.1 | 1196.0 | 975.3 | 807.8 | 716.9 | 661.9 | 629.4 | 615.2 | 598.4 | 578.0 |
| 60° | 1079.9 | 1183.6 | 1085.4 | 893.6 | 738.0 | 651.5 | 602.8 | 575.3 | 561.1 | 549.4 | 532.1 |
| 62.5° | 954.7 | 1059.7 | 977.2 | 810.6 | 669.4 | 589.3 | 546.8 | 520.0 | 509.0 | 502.8 | 488.1 |
| 65° | 782.8 | 873.2 | 818.1 | 681.4 | 571.4 | 500.6 | 462.1 | 443.3 | 433.0 | 430.7 | 421.3 |
| 67.5° | 637.1 | 705.9 | 665.8 | 565.2 | 478.6 | 417.5 | 384.8 | 368.8 | 360.9 | 360.1 | 353.0 |
| 70° | 541.5 | 605.9 | 575.3 | 484.1 | 409.5 | 361.5 | 333.2 | 319.1 | 314.4 | 313.6 | 309.7 |
| 72.5° | 467.3 | 512.3 | 487.9 | 411.8 | 354.1 | 310.6 | 289.8 | 275.1 | 269.7 | 270.8 | 268.2 |
| 75° | 345.8 | 379.6 | 365.5 | 312.8 | 266.4 | 238.1 | 220.8 | 211.4 | 206.7 | 209.1 | 205.9 |
| 77.5° | 248.8 | 270.2 | 257.5 | 221.0 | 192.4 | 172.0 | 159.2 | 153.4 | 149.2 | 149.0 | 147.6 |
| 80° | 187.8 | 200.4 | 193.3 | 171.3 | 147.8 | 130.5 | 120.2 | 116.3 | 114.0 | 113.2 | 112.4 |
| 82.5° | 133.8 | 144.5 | 136.1 | 121.0 | 105.0 | 94.6 | 88.8 | 83.6 | 81.9 | 82.4 | 81.6 |
| 85° | 67.6 | 71.5 | 68.4 | 58.9 | 52.7 | 47.9 | 44.8 | 42.4 | 40.9 | 41.7 | 40.1 |
| 87.5° | 24.9 | 25.3 | 23.1 | 20.4 | 18.9 | 16.8 | 16.6 | 15.2 | 14.1 | 14.3 | 13.9 |
| 90° | 8.2 | 6.9 | 5.6 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 | 1.4 | 2.4 | 3.4 |
| 92.5° | 9.5 | 8.6 | 7.6 | 7.2 | 7.5 | 7.8 | 8.1 | 8.4 | 8.1 | 7.8 | 7.5 |
| 95° | 11.7 | 10.6 | 9.5 | 11.0 | 15.1 | 19.2 | 23.3 | 27.4 | 23.3 | 19.2 | 15.1 |
| 97.5° | 28.8 | 36.0 | 43.2 | 47.7 | 49.6 | 51.4 | 53.2 | 55.1 | 53.2 | 51.4 | 49.6 |
| 100° | 46.0 | 61.6 | 77.1 | 83.9 | 81.9 | 79.9 | 77.9 | 75.9 | 77.9 | 79.9 | 81.9 |
| 102.5° | 63.6 | 80.6 | 97.6 | 105.4 | 104.0 | 102.5 | 101.1 | 99.6 | 101.1 | 102.5 | 104.0 |
| 105° | 116.4 | 125.3 | 134.3 | 138.3 | 137.2 | 136.1 | 135.0 | 133.9 | 135.0 | 136.1 | 137.2 |
| 107.5° | 177.5 | 176.1 | 174.7 | 173.5 | 172.6 | 171.8 | 170.9 | 170.0 | 170.9 | 171.8 | 172.6 |
| 110° | 200.4 | 199.3 | 198.2 | 197.3 | 196.5 | 195.7 | 194.9 | 194.1 | 194.9 | 195.7 | 196.5 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 223.1 | 222.0 | 220.9 | 220.0 | 219.2 | 218.5 | 217.8 | 217.1 | 217.8 | 218.5 | 219.2 |
| 115° | 256.1 | 255.2 | 254.3 | 253.5 | 252.9 | 252.3 | 251.7 | 251.1 | 251.7 | 252.3 | 252.9 |
| 117.5° | 288.6 | 288.1 | 287.7 | 287.1 | 286.3 | 285.6 | 284.9 | 284.1 | 284.9 | 285.6 | 286.3 |
| 120° | 309.4 | 309.1 | 308.8 | 308.2 | 307.3 | 306.4 | 305.5 | 304.6 | 305.5 | 306.4 | 307.3 |
| 122.5° | 329.7 | 329.4 | 329.0 | 328.4 | 327.7 | 326.9 | 326.2 | 325.5 | 326.2 | 326.9 | 327.7 |
| 125° | 358.6 | 358.2 | 357.8 | 357.2 | 356.4 | 355.6 | 354.8 | 354.0 | 354.8 | 355.6 | 356.4 |
| 127.5° | 386.5 | 386.0 | 385.5 | 384.9 | 384.1 | 383.3 | 382.5 | 381.7 | 382.5 | 383.3 | 384.1 |
| 130° | 403.6 | 403.2 | 402.8 | 402.2 | 401.4 | 400.6 | 399.8 | 399.0 | 399.8 | 400.6 | 401.4 |
| 132.5° | 419.9 | 419.6 | 419.2 | 418.7 | 417.9 | 417.1 | 416.3 | 415.5 | 416.3 | 417.1 | 417.9 |
| 135° | 444.4 | 444.0 | 443.6 | 443.1 | 442.5 | 441.9 | 441.3 | 440.7 | 441.3 | 441.9 | 442.5 |
| 137.5° | 466.3 | 466.1 | 465.8 | 465.3 | 464.6 | 463.8 | 463.1 | 462.3 | 463.1 | 463.8 | 464.6 |
| 140° | 480.1 | 479.8 | 479.5 | 479.1 | 478.5 | 477.9 | 477.3 | 476.7 | 477.3 | 477.9 | 478.5 |
| 142.5° | 493.4 | 493.1 | 492.8 | 492.4 | 491.8 | 491.2 | 490.6 | 490.0 | 490.6 | 491.2 | 491.8 |
| 145° | 512.2 | 512.0 | 511.8 | 511.4 | 510.7 | 510.0 | 509.3 | 508.6 | 509.3 | 510.0 | 510.7 |
| 147.5° | 528.7 | 528.5 | 528.3 | 527.9 | 527.5 | 527.0 | 526.6 | 526.1 | 526.6 | 527.0 | 527.5 |
| 150° | 538.7 | 538.5 | 538.3 | 538.1 | 537.8 | 537.5 | 537.2 | 536.9 | 537.2 | 537.5 | 537.8 |
| 152.5° | 547.5 | 547.4 | 547.3 | 547.2 | 547.0 | 546.9 | 546.7 | 546.6 | 546.7 | 546.9 | 547.0 |
| 155° | 559.6 | 559.5 | 559.4 | 559.5 | 559.7 | 559.8 | 560.0 | 560.2 | 560.0 | 559.8 | 559.7 |
| 157.5° | 570.5 | 570.6 | 570.7 | 570.8 | 570.8 | 570.8 | 570.8 | 570.9 | 570.8 | 570.8 | 570.8 |
| 160° | 576.6 | 576.7 | 576.8 | 576.9 | 577.0 | 577.1 | 577.2 | 577.3 | 577.2 | 577.1 | 577.0 |
| 162.5° | 582.0 | 582.1 | 582.2 | 582.4 | 582.7 | 582.9 | 583.2 | 583.4 | 583.2 | 582.9 | 582.7 |
| 165° | 589.2 | 589.3 | 589.4 | 589.6 | 589.9 | 590.2 | 590.5 | 590.8 | 590.5 | 590.2 | 589.9 |
| 167.5° | 594.8 | 594.8 | 594.8 | 595.0 | 595.4 | 595.8 | 596.2 | 596.6 | 596.2 | 595.8 | 595.4 |
| 170° | 598.0 | 598.0 | 598.0 | 598.2 | 598.6 | 599.0 | 599.4 | 599.8 | 599.4 | 599.0 | 598.6 |
| 172.5° | 600.0 | 599.9 | 599.8 | 600.0 | 600.5 | 601.0 | 601.5 | 601.9 | 601.5 | 601.0 | 600.5 |
| 175° | 602.7 | 602.6 | 602.5 | 602.7 | 603.2 | 603.7 | 604.2 | 604.7 | 604.2 | 603.7 | 603.2 |
| 177.5° | 603.8 | 603.8 | 603.7 | 603.8 | 604.2 | 604.6 | 605.0 | 605.4 | 605.0 | 604.6 | 604.2 |
| 180° | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 |
| 2.5° | 1595.1 | 1590.7 | 1584.4 | 1575.0 | 1567.4 | 1555.5 | 1555.5 | 1557.4 | 1557.4 | 1556.8 | 1555.5 |
| 5° | 1546.7 | 1534.9 | 1520.8 | 1504.3 | 1487.0 | 1469.7 | 1466.5 | 1460.2 | 1455.5 | 1452.4 | 1448.5 |
| 7.5° | 1495.6 | 1474.7 | 1454.1 | 1431.0 | 1409.9 | 1392.5 | 1380.4 | 1370.3 | 1363.9 | 1357.0 | 1351.9 |
| 10° | 1461.0 | 1435.1 | 1410.7 | 1386.4 | 1359.6 | 1338.4 | 1325.1 | 1315.6 | 1308.6 | 1302.3 | 1299.1 |
| 12.5° | 1420.2 | 1390.5 | 1363.6 | 1340.5 | 1311.2 | 1289.4 | 1276.7 | 1272.2 | 1263.9 | 1250.7 | 1243.8 |
| 15° | 1360.4 | 1332.9 | 1300.7 | 1265.3 | 1251.2 | 1224.5 | 1209.5 | 1202.5 | 1197.7 | 1187.5 | 1184.4 |
| 17.5° | 1309.3 | 1273.3 | 1237.2 | 1210.8 | 1184.5 | 1162.8 | 1154.5 | 1145.7 | 1139.4 | 1131.1 | 1128.6 |
| 20° | 1268.5 | 1236.3 | 1203.2 | 1175.0 | 1147.4 | 1123.9 | 1116.8 | 1110.5 | 1104.2 | 1100.3 | 1097.1 |
| 22.5° | 1227.0 | 1194.8 | 1167.4 | 1141.0 | 1111.6 | 1096.2 | 1088.5 | 1081.6 | 1077.2 | 1074.5 | 1071.4 |
| 25° | 1168.7 | 1140.4 | 1109.7 | 1086.1 | 1062.6 | 1052.3 | 1047.6 | 1043.7 | 1040.6 | 1036.6 | 1035.8 |
| 27.5° | 1116.5 | 1085.7 | 1060.8 | 1038.8 | 1021.9 | 1013.4 | 1008.8 | 1006.9 | 1007.6 | 1009.0 | 1009.9 |
| 30° | 1077.5 | 1049.2 | 1028.8 | 1009.9 | 994.2 | 986.3 | 985.5 | 985.5 | 988.7 | 989.5 | 991.0 |
| 32.5° | 1041.7 | 1018.4 | 998.0 | 979.7 | 967.8 | 962.4 | 965.4 | 965.4 | 967.9 | 970.0 | 972.8 |
| 35° | 989.5 | 969.0 | 953.3 | 937.6 | 927.4 | 929.7 | 931.3 | 932.9 | 936.8 | 941.5 | 944.7 |
| 37.5° | 939.6 | 921.9 | 905.5 | 893.3 | 888.6 | 892.8 | 896.6 | 899.9 | 904.4 | 908.1 | 911.2 |
| 40° | 903.8 | 890.4 | 874.7 | 863.7 | 865.3 | 867.7 | 870.8 | 874.7 | 878.7 | 881.0 | 884.2 |
| 42.5° | 870.5 | 856.5 | 844.6 | 835.4 | 837.6 | 840.6 | 842.5 | 844.6 | 849.1 | 853.4 | 855.2 |
| 45° | 819.7 | 808.7 | 797.7 | 792.2 | 793.8 | 795.4 | 796.9 | 799.3 | 803.2 | 806.4 | 807.1 |
| 47.5° | 762.7 | 755.0 | 747.6 | 742.2 | 744.7 | 744.1 | 746.2 | 751.2 | 752.4 | 754.3 | 758.7 |
| 50° | 726.2 | 719.1 | 710.5 | 708.9 | 708.9 | 708.9 | 709.7 | 716.0 | 716.0 | 719.1 | 722.3 |
| 52.5° | 686.0 | 681.4 | 675.9 | 673.1 | 671.8 | 671.8 | 675.1 | 678.3 | 679.5 | 683.9 | 687.1 |
| 55° | 626.4 | 621.7 | 616.9 | 614.6 | 613.0 | 614.6 | 620.9 | 622.4 | 626.4 | 628.7 | 631.1 |
| 57.5° | 564.3 | 560.7 | 556.9 | 555.6 | 555.3 | 557.4 | 560.8 | 565.5 | 566.5 | 573.7 | 577.3 |
| 60° | 523.4 | 517.9 | 514.8 | 514.8 | 513.2 | 520.3 | 518.7 | 526.6 | 528.1 | 532.9 | 538.4 |
| 62.5° | 481.3 | 473.9 | 472.7 | 472.7 | 474.9 | 476.9 | 479.1 | 482.6 | 486.6 | 492.6 | 496.9 |
| 65° | 413.4 | 409.5 | 415.0 | 414.2 | 412.6 | 417.3 | 417.3 | 421.3 | 426.0 | 431.5 | 440.1 |
| 67.5° | 349.1 | 347.1 | 347.5 | 347.5 | 349.9 | 352.6 | 354.8 | 358.2 | 363.9 | 369.7 | 375.4 |
| 70° | 305.7 | 308.1 | 304.2 | 307.3 | 309.7 | 310.4 | 312.0 | 316.7 | 323.0 | 326.9 | 333.2 |
| 72.5° | 263.6 | 263.4 | 263.9 | 265.2 | 267.5 | 268.9 | 270.5 | 275.9 | 282.8 | 286.1 | 291.1 |
| 75° | 202.8 | 202.0 | 204.3 | 204.3 | 208.3 | 209.8 | 211.4 | 213.8 | 220.1 | 224.8 | 228.7 |
| 77.5° | 148.1 | 149.0 | 148.5 | 151.2 | 150.1 | 150.4 | 155.3 | 157.7 | 158.3 | 167.6 | 169.6 |
| 80° | 111.6 | 113.2 | 114.0 | 114.7 | 115.5 | 114.0 | 119.5 | 121.8 | 121.8 | 127.3 | 131.2 |
| 82.5° | 80.2 | 81.1 | 83.2 | 83.9 | 84.1 | 85.7 | 86.1 | 87.9 | 89.8 | 92.1 | 97.3 |
| 85° | 40.1 | 42.4 | 43.2 | 42.4 | 43.2 | 41.7 | 44.0 | 44.8 | 45.6 | 45.6 | 45.6 |
| 87.5° | 13.5 | 14.3 | 14.0 | 14.8 | 14.5 | 15.4 | 15.4 | 14.3 | 14.3 | 16.3 | 13.9 |
| 90° | 4.4 | 5.6 | 6.9 | 8.2 | 9.5 | 10.8 | 11.2 | 11.6 | 12.0 | 12.4 | 12.7 |
| 92.5° | 7.2 | 7.6 | 8.6 | 9.5 | 10.5 | 11.5 | 12.1 | 12.8 | 13.4 | 14.1 | 14.4 |
| 95° | 11.0 | 9.5 | 10.6 | 11.7 | 12.8 | 13.9 | 14.6 | 15.3 | 16.0 | 16.7 | 17.1 |
| 97.5° | 47.7 | 43.2 | 36.0 | 28.8 | 21.7 | 14.5 | 15.3 | 16.1 | 16.9 | 17.7 | 18.1 |
| 100° | 83.9 | 77.1 | 61.6 | 46.0 | 30.4 | 14.8 | 15.6 | 16.4 | 17.2 | 18.0 | 18.5 |
| 102.5° | 105.4 | 97.6 | 80.6 | 63.6 | 46.6 | 29.6 | 27.1 | 24.6 | 22.1 | 19.7 | 18.5 |
| 105° | 138.3 | 134.3 | 125.3 | 116.4 | 107.4 | 98.4 | 80.7 | 63.0 | 45.4 | 27.7 | 19.0 |
| 107.5° | 173.5 | 174.7 | 176.1 | 177.5 | 178.9 | 180.3 | 167.4 | 154.4 | 141.5 | 128.5 | 115.4 |
| 110° | 197.3 | 198.2 | 199.3 | 200.4 | 201.5 | 202.6 | 199.3 | 196.0 | 192.7 | 189.4 | 180.7 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 220.0 | 220.9 | 222.0 | 223.1 | 224.2 | 225.3 | 225.3 | 225.4 | 225.4 | 225.5 | 224.0 |
| 115° | 253.5 | 254.3 | 255.2 | 256.1 | 257.0 | 257.9 | 258.9 | 259.9 | 260.9 | 261.9 | 262.6 |
| 117.5° | 287.1 | 287.7 | 288.1 | 288.6 | 289.1 | 289.5 | 290.3 | 291.1 | 291.9 | 292.7 | 293.1 |
| 120° | 308.2 | 308.8 | 309.1 | 309.4 | 309.7 | 310.0 | 310.8 | 311.6 | 312.4 | 313.2 | 313.6 |
| 122.5° | 328.4 | 329.0 | 329.4 | 329.7 | 330.1 | 330.5 | 331.0 | 331.6 | 332.2 | 332.7 | 333.0 |
| 125° | 357.2 | 357.8 | 358.2 | 358.6 | 359.0 | 359.4 | 359.6 | 359.8 | 360.0 | 360.2 | 360.4 |
| 127.5° | 384.9 | 385.5 | 386.0 | 386.5 | 387.0 | 387.5 | 387.8 | 388.1 | 388.4 | 388.7 | 388.8 |
| 130° | 402.2 | 402.8 | 403.2 | 403.6 | 404.0 | 404.3 | 404.7 | 405.1 | 405.5 | 405.9 | 406.0 |
| 132.5° | 418.7 | 419.2 | 419.6 | 419.9 | 420.2 | 420.5 | 420.9 | 421.3 | 421.7 | 422.1 | 422.2 |
| 135° | 443.1 | 443.6 | 444.0 | 444.4 | 444.8 | 445.2 | 445.5 | 445.8 | 446.1 | 446.4 | 446.4 |
| 137.5° | 465.3 | 465.8 | 466.1 | 466.3 | 466.5 | 466.7 | 467.2 | 467.7 | 468.1 | 468.6 | 468.8 |
| 140° | 479.1 | 479.5 | 479.8 | 480.1 | 480.4 | 480.7 | 481.1 | 481.5 | 481.9 | 482.3 | 482.4 |
| 142.5° | 492.4 | 492.8 | 493.1 | 493.4 | 493.7 | 494.0 | 494.3 | 494.7 | 495.0 | 495.3 | 495.3 |
| 145° | 511.4 | 511.8 | 512.0 | 512.2 | 512.4 | 512.6 | 512.8 | 513.0 | 513.2 | 513.4 | 513.5 |
| 147.5° | 527.9 | 528.3 | 528.5 | 528.7 | 528.9 | 529.1 | 529.3 | 529.5 | 529.7 | 529.9 | 529.7 |
| 150° | 538.1 | 538.3 | 538.5 | 538.7 | 538.9 | 539.1 | 539.3 | 539.5 | 539.7 | 539.9 | 539.9 |
| 152.5° | 547.2 | 547.3 | 547.4 | 547.5 | 547.6 | 547.8 | 548.1 | 548.5 | 548.8 | 549.2 | 549.1 |
| 155° | 559.5 | 559.4 | 559.5 | 559.6 | 559.7 | 559.8 | 560.3 | 560.8 | 561.3 | 561.8 | 561.7 |
| 157.5° | 570.8 | 570.7 | 570.6 | 570.5 | 570.4 | 570.3 | 570.9 | 571.5 | 572.1 | 572.7 | 572.6 |
| 160° | 576.9 | 576.8 | 576.7 | 576.6 | 576.5 | 576.4 | 577.0 | 577.6 | 578.2 | 578.8 | 578.8 |
| 162.5° | 582.4 | 582.2 | 582.1 | 582.0 | 581.9 | 581.8 | 582.5 | 583.2 | 583.9 | 584.5 | 584.6 |
| 165° | 589.6 | 589.4 | 589.3 | 589.2 | 589.1 | 589.0 | 589.8 | 590.6 | 591.4 | 592.2 | 592.2 |
| 167.5° | 595.0 | 594.8 | 594.8 | 594.8 | 594.8 | 594.8 | 595.6 | 596.4 | 597.1 | 597.9 | 597.9 |
| 170° | 598.2 | 598.0 | 598.0 | 598.0 | 598.0 | 598.0 | 598.8 | 599.6 | 600.4 | 601.2 | 601.2 |
| 172.5° | 600.0 | 599.8 | 599.9 | 600.0 | 600.1 | 600.1 | 600.9 | 601.7 | 602.5 | 603.3 | 603.3 |
| 175° | 602.7 | 602.5 | 602.6 | 602.7 | 602.8 | 602.9 | 603.6 | 604.3 | 605.0 | 605.7 | 605.7 |
| 177.5° | 603.8 | 603.7 | 603.8 | 603.8 | 603.9 | 604.0 | 604.6 | 605.3 | 605.9 | 606.6 | 606.5 |
| 180° | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 |
| 2.5° | 1551.1 | 1550.5 | 1554.9 | 1551.7 | 1554.9 | 1550.5 | 1551.1 | 1555.5 | 1556.8 | 1557.4 | 1557.4 |
| 5° | 1443.7 | 1446.1 | 1438.2 | 1438.2 | 1438.2 | 1446.1 | 1443.7 | 1448.5 | 1452.4 | 1455.5 | 1460.2 |
| 7.5° | 1348.2 | 1344.7 | 1345.0 | 1340.8 | 1345.0 | 1344.7 | 1348.2 | 1351.9 | 1357.0 | 1363.9 | 1370.3 |
| 10° | 1289.7 | 1285.0 | 1283.4 | 1284.2 | 1283.4 | 1285.0 | 1289.7 | 1299.1 | 1302.3 | 1308.6 | 1315.6 |
| 12.5° | 1241.3 | 1240.3 | 1230.0 | 1230.1 | 1230.0 | 1240.3 | 1241.3 | 1243.8 | 1250.7 | 1263.9 | 1272.2 |
| 15° | 1184.4 | 1169.5 | 1167.9 | 1172.6 | 1167.9 | 1169.5 | 1184.4 | 1184.4 | 1187.5 | 1197.7 | 1202.5 |
| 17.5° | 1127.3 | 1119.5 | 1119.9 | 1117.6 | 1119.9 | 1119.5 | 1127.3 | 1128.6 | 1131.1 | 1139.4 | 1145.7 |
| 20° | 1097.1 | 1092.4 | 1091.6 | 1086.1 | 1091.6 | 1092.4 | 1097.1 | 1097.1 | 1100.3 | 1104.2 | 1110.5 |
| 22.5° | 1069.5 | 1067.9 | 1068.4 | 1062.3 | 1068.4 | 1067.9 | 1069.5 | 1071.4 | 1074.5 | 1077.2 | 1081.6 |
| 25° | 1035.1 | 1039.0 | 1035.8 | 1035.8 | 1035.8 | 1039.0 | 1035.1 | 1035.8 | 1036.6 | 1040.6 | 1043.7 |
| 27.5° | 1011.8 | 1011.6 | 1010.1 | 1010.1 | 1010.1 | 1011.6 | 1011.8 | 1009.9 | 1009.0 | 1007.6 | 1006.9 |
| 30° | 994.2 | 993.4 | 995.0 | 995.0 | 995.0 | 993.4 | 994.2 | 991.0 | 989.5 | 988.7 | 985.5 |
| 32.5° | 976.6 | 977.7 | 978.0 | 978.6 | 978.0 | 977.7 | 976.6 | 972.8 | 970.0 | 967.9 | 965.4 |
| 35° | 949.4 | 950.2 | 952.5 | 951.0 | 952.5 | 950.2 | 949.4 | 944.7 | 941.5 | 936.8 | 932.9 |
| 37.5° | 912.6 | 916.2 | 915.4 | 916.7 | 915.4 | 916.2 | 912.6 | 911.2 | 908.1 | 904.4 | 899.9 |
| 40° | 884.9 | 887.3 | 886.5 | 886.5 | 886.5 | 887.3 | 884.9 | 884.2 | 881.0 | 878.7 | 874.7 |
| 42.5° | 856.7 | 858.4 | 856.3 | 855.1 | 856.3 | 858.4 | 856.7 | 855.2 | 853.4 | 849.1 | 844.6 |
| 45° | 810.3 | 808.7 | 811.1 | 807.9 | 811.1 | 808.7 | 810.3 | 807.1 | 806.4 | 803.2 | 799.3 |
| 47.5° | 758.4 | 760.0 | 760.6 | 763.0 | 760.6 | 760.0 | 758.4 | 758.7 | 754.3 | 752.4 | 751.2 |
| 50° | 723.8 | 728.5 | 728.5 | 727.8 | 728.5 | 728.5 | 723.8 | 722.3 | 719.1 | 716.0 | 716.0 |
| 52.5° | 689.9 | 692.1 | 695.2 | 695.1 | 695.2 | 692.1 | 689.9 | 687.1 | 683.9 | 679.5 | 678.3 |
| 55° | 637.4 | 639.0 | 640.5 | 641.3 | 640.5 | 639.0 | 637.4 | 631.1 | 628.7 | 626.4 | 622.4 |
| 57.5° | 583.0 | 582.4 | 586.1 | 587.2 | 586.1 | 582.4 | 583.0 | 577.3 | 573.7 | 566.5 | 565.5 |
| 60° | 544.6 | 544.6 | 550.9 | 553.3 | 550.9 | 544.6 | 544.6 | 538.4 | 532.9 | 528.1 | 526.6 |
| 62.5° | 503.8 | 506.3 | 512.6 | 509.3 | 512.6 | 506.3 | 503.8 | 496.9 | 492.6 | 486.6 | 482.6 |
| 65° | 444.0 | 450.3 | 449.5 | 452.7 | 449.5 | 450.3 | 444.0 | 440.1 | 431.5 | 426.0 | 421.3 |
| 67.5° | 381.6 | 385.6 | 391.2 | 391.7 | 391.2 | 385.6 | 381.6 | 375.4 | 369.7 | 363.9 | 358.2 |
| 70° | 339.5 | 343.4 | 346.6 | 348.9 | 346.6 | 343.4 | 339.5 | 333.2 | 326.9 | 323.0 | 316.7 |
| 72.5° | 298.7 | 300.7 | 308.2 | 304.9 | 308.2 | 300.7 | 298.7 | 291.1 | 286.1 | 282.8 | 275.9 |
| 75° | 234.2 | 239.7 | 244.4 | 242.1 | 244.4 | 239.7 | 234.2 | 228.7 | 224.8 | 220.1 | 213.8 |
| 77.5° | 173.2 | 178.7 | 180.9 | 178.9 | 180.9 | 178.7 | 173.2 | 169.6 | 167.6 | 158.3 | 157.7 |
| 80° | 136.8 | 136.0 | 140.7 | 139.9 | 140.7 | 136.0 | 136.8 | 131.2 | 127.3 | 121.8 | 121.8 |
| 82.5° | 100.3 | 99.5 | 101.7 | 102.2 | 101.7 | 99.5 | 100.3 | 97.3 | 92.1 | 89.8 | 87.9 |
| 85° | 48.7 | 51.1 | 47.9 | 47.2 | 47.9 | 51.1 | 48.7 | 45.6 | 45.6 | 45.6 | 44.8 |
| 87.5° | 13.9 | 13.9 | 13.3 | 12.8 | 13.3 | 13.9 | 13.9 | 13.9 | 16.3 | 14.3 | 14.3 |
| 90° | 12.9 | 13.1 | 13.3 | 13.5 | 13.3 | 13.1 | 12.9 | 12.7 | 12.4 | 12.0 | 11.6 |
| 92.5° | 14.6 | 14.7 | 14.8 | 14.9 | 14.8 | 14.7 | 14.6 | 14.4 | 14.1 | 13.4 | 12.8 |
| 95° | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 16.7 | 16.0 | 15.3 |
| 97.5° | 18.2 | 18.3 | 18.4 | 18.5 | 18.4 | 18.3 | 18.2 | 18.1 | 17.7 | 16.9 | 16.1 |
| 100° | 18.6 | 18.7 | 18.8 | 18.9 | 18.8 | 18.7 | 18.6 | 18.5 | 18.0 | 17.2 | 16.4 |
| 102.5° | 18.7 | 18.9 | 19.0 | 19.2 | 19.0 | 18.9 | 18.7 | 18.5 | 19.7 | 22.1 | 24.6 |
| 105° | 19.2 | 19.4 | 19.6 | 19.8 | 19.6 | 19.4 | 19.2 | 19.0 | 27.7 | 45.4 | 63.0 |
| 107.5° | 102.0 | 88.7 | 75.4 | 62.1 | 75.4 | 88.7 | 102.0 | 115.4 | 128.5 | 141.5 | 154.4 |
| 110° | 166.4 | 152.1 | 137.8 | 123.6 | 137.8 | 152.1 | 166.4 | 180.7 | 189.4 | 192.7 | 196.0 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 221.0 | 218.0 | 215.0 | 212.0 | 215.0 | 218.0 | 221.0 | 224.0 | 225.5 | 225.4 | 225.4 |
| 115° | 263.0 | 263.4 | 263.8 | 264.2 | 263.8 | 263.4 | 263.0 | 262.6 | 261.9 | 260.9 | 259.9 |
| 117.5° | 293.2 | 293.3 | 293.4 | 293.5 | 293.4 | 293.3 | 293.2 | 293.1 | 292.7 | 291.9 | 291.1 |
| 120° | 313.6 | 313.6 | 313.6 | 313.6 | 313.6 | 313.6 | 313.6 | 313.6 | 313.2 | 312.4 | 311.6 |
| 122.5° | 333.1 | 333.2 | 333.3 | 333.4 | 333.3 | 333.2 | 333.1 | 333.0 | 332.7 | 332.2 | 331.6 |
| 125° | 360.6 | 360.8 | 361.0 | 361.2 | 361.0 | 360.8 | 360.6 | 360.4 | 360.2 | 360.0 | 359.8 |
| 127.5° | 388.6 | 388.4 | 388.2 | 388.0 | 388.2 | 388.4 | 388.6 | 388.8 | 388.7 | 388.4 | 388.1 |
| 130° | 405.8 | 405.6 | 405.4 | 405.2 | 405.4 | 405.6 | 405.8 | 406.0 | 405.9 | 405.5 | 405.1 |
| 132.5° | 421.9 | 421.6 | 421.3 | 421.1 | 421.3 | 421.6 | 421.9 | 422.2 | 422.1 | 421.7 | 421.3 |
| 135° | 446.1 | 445.8 | 445.5 | 445.2 | 445.5 | 445.8 | 446.1 | 446.4 | 446.4 | 446.1 | 445.8 |
| 137.5° | 468.6 | 468.4 | 468.2 | 468.0 | 468.2 | 468.4 | 468.6 | 468.8 | 468.6 | 468.1 | 467.7 |
| 140° | 482.2 | 482.0 | 481.8 | 481.6 | 481.8 | 482.0 | 482.2 | 482.4 | 482.3 | 481.9 | 481.5 |
| 142.5° | 495.0 | 494.8 | 494.5 | 494.2 | 494.5 | 494.8 | 495.0 | 495.3 | 495.3 | 495.0 | 494.7 |
| 145° | 513.5 | 513.5 | 513.5 | 513.5 | 513.5 | 513.5 | 513.5 | 513.5 | 513.4 | 513.2 | 513.0 |
| 147.5° | 529.3 | 528.8 | 528.4 | 527.9 | 528.4 | 528.8 | 529.3 | 529.7 | 529.9 | 529.7 | 529.5 |
| 150° | 539.6 | 539.3 | 539.0 | 538.7 | 539.0 | 539.3 | 539.6 | 539.9 | 539.9 | 539.7 | 539.5 |
| 152.5° | 548.7 | 548.2 | 547.8 | 547.3 | 547.8 | 548.2 | 548.7 | 549.1 | 549.2 | 548.8 | 548.5 |
| 155° | 561.1 | 560.5 | 559.9 | 559.4 | 559.9 | 560.5 | 561.1 | 561.7 | 561.8 | 561.3 | 560.8 |
| 157.5° | 571.8 | 571.1 | 570.3 | 569.5 | 570.3 | 571.1 | 571.8 | 572.6 | 572.7 | 572.1 | 571.5 |
| 160° | 578.1 | 577.4 | 576.7 | 576.0 | 576.7 | 577.4 | 578.1 | 578.8 | 578.8 | 578.2 | 577.6 |
| 162.5° | 583.9 | 583.3 | 582.7 | 582.1 | 582.7 | 583.3 | 583.9 | 584.6 | 584.5 | 583.9 | 583.2 |
| 165° | 591.5 | 590.9 | 590.2 | 589.5 | 590.2 | 590.9 | 591.5 | 592.2 | 592.2 | 591.4 | 590.6 |
| 167.5° | 597.1 | 596.4 | 595.6 | 594.8 | 595.6 | 596.4 | 597.1 | 597.9 | 597.9 | 597.1 | 596.4 |
| 170° | 600.4 | 599.6 | 598.8 | 598.0 | 598.8 | 599.6 | 600.4 | 601.2 | 601.2 | 600.4 | 599.6 |
| 172.5° | 602.4 | 601.5 | 600.7 | 599.8 | 600.7 | 601.5 | 602.4 | 603.3 | 603.3 | 602.5 | 601.7 |
| 175° | 604.9 | 604.1 | 603.3 | 602.5 | 603.3 | 604.1 | 604.9 | 605.7 | 605.7 | 605.0 | 604.3 |
| 177.5° | 605.7 | 604.9 | 604.1 | 603.3 | 604.1 | 604.9 | 605.7 | 606.5 | 606.6 | 605.9 | 605.3 |
| 180° | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 |
| 2.5° | 1555.5 | 1555.5 | 1567.4 | 1575.0 | 1584.4 | 1590.7 | 1595.1 | 1599.5 | 1607.1 | 1617.1 | 1628.4 |
| 5° | 1466.5 | 1469.7 | 1487.0 | 1504.3 | 1520.8 | 1534.9 | 1546.7 | 1560.8 | 1578.1 | 1599.3 | 1622.9 |
| 7.5° | 1380.4 | 1392.5 | 1409.9 | 1431.0 | 1454.1 | 1474.7 | 1495.6 | 1518.9 | 1543.2 | 1574.5 | 1607.5 |
| 10° | 1325.1 | 1338.4 | 1359.6 | 1386.4 | 1410.7 | 1435.1 | 1461.0 | 1486.2 | 1516.8 | 1553.8 | 1596.2 |
| 12.5° | 1276.7 | 1289.4 | 1311.2 | 1340.5 | 1363.6 | 1390.5 | 1420.2 | 1452.9 | 1487.3 | 1531.8 | 1579.9 |
| 15° | 1209.5 | 1224.5 | 1251.2 | 1265.3 | 1300.7 | 1332.9 | 1360.4 | 1407.6 | 1451.6 | 1497.2 | 1553.0 |
| 17.5° | 1154.5 | 1162.8 | 1184.5 | 1210.8 | 1237.2 | 1273.3 | 1309.3 | 1348.6 | 1392.5 | 1448.3 | 1518.1 |
| 20° | 1116.8 | 1123.9 | 1147.4 | 1175.0 | 1203.2 | 1236.3 | 1268.5 | 1307.8 | 1357.3 | 1416.2 | 1491.7 |
| 22.5° | 1088.5 | 1096.2 | 1111.6 | 1141.0 | 1167.4 | 1194.8 | 1227.0 | 1273.8 | 1326.5 | 1384.2 | 1465.9 |
| 25° | 1047.6 | 1052.3 | 1062.6 | 1086.1 | 1109.7 | 1140.4 | 1168.7 | 1212.7 | 1266.9 | 1334.5 | 1416.2 |
| 27.5° | 1008.8 | 1013.4 | 1021.9 | 1038.8 | 1060.8 | 1085.7 | 1116.5 | 1153.9 | 1208.9 | 1282.3 | 1369.1 |
| 30° | 985.5 | 986.3 | 994.2 | 1009.9 | 1028.8 | 1049.2 | 1077.5 | 1119.9 | 1171.8 | 1246.5 | 1337.6 |
| 32.5° | 965.4 | 962.4 | 967.8 | 979.7 | 998.0 | 1018.4 | 1041.7 | 1083.5 | 1133.5 | 1206.9 | 1300.5 |
| 35° | 931.3 | 929.7 | 927.4 | 937.6 | 953.3 | 969.0 | 989.5 | 1020.9 | 1077.5 | 1145.9 | 1244.1 |
| 37.5° | 896.6 | 892.8 | 888.6 | 893.3 | 905.5 | 921.9 | 939.6 | 967.6 | 1016.4 | 1091.6 | 1185.6 |
| 40° | 870.8 | 867.7 | 865.3 | 863.7 | 874.7 | 890.4 | 903.8 | 930.5 | 976.1 | 1047.6 | 1140.4 |
| 42.5° | 842.5 | 840.6 | 837.6 | 835.4 | 844.6 | 856.5 | 870.5 | 894.1 | 939.6 | 1006.8 | 1094.5 |
| 45° | 796.9 | 795.4 | 793.8 | 792.2 | 797.7 | 808.7 | 819.7 | 837.0 | 876.3 | 941.5 | 1020.9 |
| 47.5° | 746.2 | 744.1 | 744.7 | 742.2 | 747.6 | 755.0 | 762.7 | 781.2 | 818.9 | 871.6 | 929.6 |
| 50° | 709.7 | 708.9 | 708.9 | 708.9 | 710.5 | 719.1 | 726.2 | 740.3 | 774.9 | 827.6 | 869.2 |
| 52.5° | 675.1 | 671.8 | 671.8 | 673.1 | 675.9 | 681.4 | 686.0 | 701.4 | 731.5 | 774.8 | 812.6 |
| 55° | 620.9 | 614.6 | 613.0 | 614.6 | 616.9 | 621.7 | 626.4 | 639.0 | 664.9 | 697.1 | 719.1 |
| 57.5° | 560.8 | 557.4 | 555.3 | 555.6 | 556.9 | 560.7 | 564.3 | 578.0 | 598.4 | 615.2 | 629.4 |
| 60° | 518.7 | 520.3 | 513.2 | 514.8 | 514.8 | 517.9 | 523.4 | 532.1 | 549.4 | 561.1 | 575.3 |
| 62.5° | 479.1 | 476.9 | 474.9 | 472.7 | 472.7 | 473.9 | 481.3 | 488.1 | 502.8 | 509.0 | 520.0 |
| 65° | 417.3 | 417.3 | 412.6 | 414.2 | 415.0 | 409.5 | 413.4 | 421.3 | 430.7 | 433.0 | 443.3 |
| 67.5° | 354.8 | 352.6 | 349.9 | 347.5 | 347.5 | 347.1 | 349.1 | 353.0 | 360.1 | 360.9 | 368.8 |
| 70° | 312.0 | 310.4 | 309.7 | 307.3 | 304.2 | 308.1 | 305.7 | 309.7 | 313.6 | 314.4 | 319.1 |
| 72.5° | 270.5 | 268.9 | 267.5 | 265.2 | 263.9 | 263.4 | 263.6 | 268.2 | 270.8 | 269.7 | 275.1 |
| 75° | 211.4 | 209.8 | 208.3 | 204.3 | 204.3 | 202.0 | 202.8 | 205.9 | 209.1 | 206.7 | 211.4 |
| 77.5° | 155.3 | 150.4 | 150.1 | 151.2 | 148.5 | 149.0 | 148.1 | 147.6 | 149.0 | 149.2 | 153.4 |
| 80° | 119.5 | 114.0 | 115.5 | 114.7 | 114.0 | 113.2 | 111.6 | 112.4 | 113.2 | 114.0 | 116.3 |
| 82.5° | 86.1 | 85.7 | 84.1 | 83.9 | 83.2 | 81.1 | 80.2 | 81.6 | 82.4 | 81.9 | 83.6 |
| 85° | 44.0 | 41.7 | 43.2 | 42.4 | 43.2 | 42.4 | 40.1 | 40.1 | 41.7 | 40.9 | 42.4 |
| 87.5° | 15.4 | 15.4 | 14.5 | 14.8 | 14.0 | 14.3 | 13.5 | 13.9 | 14.3 | 14.1 | 15.2 |
| 90° | 11.2 | 10.8 | 9.5 | 8.2 | 6.9 | 5.6 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 92.5° | 12.1 | 11.5 | 10.5 | 9.5 | 8.6 | 7.6 | 7.2 | 7.5 | 7.8 | 8.1 | 8.4 |
| 95° | 14.6 | 13.9 | 12.8 | 11.7 | 10.6 | 9.5 | 11.0 | 15.1 | 19.2 | 23.3 | 27.4 |
| 97.5° | 15.3 | 14.5 | 21.7 | 28.8 | 36.0 | 43.2 | 47.7 | 49.6 | 51.4 | 53.2 | 55.1 |
| 100° | 15.6 | 14.8 | 30.4 | 46.0 | 61.6 | 77.1 | 83.9 | 81.9 | 79.9 | 77.9 | 75.9 |
| 102.5° | 27.1 | 29.6 | 46.6 | 63.6 | 80.6 | 97.6 | 105.4 | 104.0 | 102.5 | 101.1 | 99.6 |
| 105° | 80.7 | 98.4 | 107.4 | 116.4 | 125.3 | 134.3 | 138.3 | 137.2 | 136.1 | 135.0 | 133.9 |
| 107.5° | 167.4 | 180.3 | 178.9 | 177.5 | 176.1 | 174.7 | 173.5 | 172.6 | 171.8 | 170.9 | 170.0 |
| 110° | 199.3 | 202.6 | 201.5 | 200.4 | 199.3 | 198.2 | 197.3 | 196.5 | 195.7 | 194.9 | 194.1 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 225.3 | 225.3 | 224.2 | 223.1 | 222.0 | 220.9 | 220.0 | 219.2 | 218.5 | 217.8 | 217.1 |
| 115° | 258.9 | 257.9 | 257.0 | 256.1 | 255.2 | 254.3 | 253.5 | 252.9 | 252.3 | 251.7 | 251.1 |
| 117.5° | 290.3 | 289.5 | 289.1 | 288.6 | 288.1 | 287.7 | 287.1 | 286.3 | 285.6 | 284.9 | 284.1 |
| 120° | 310.8 | 310.0 | 309.7 | 309.4 | 309.1 | 308.8 | 308.2 | 307.3 | 306.4 | 305.5 | 304.6 |
| 122.5° | 331.0 | 330.5 | 330.1 | 329.7 | 329.4 | 329.0 | 328.4 | 327.7 | 326.9 | 326.2 | 325.5 |
| 125° | 359.6 | 359.4 | 359.0 | 358.6 | 358.2 | 357.8 | 357.2 | 356.4 | 355.6 | 354.8 | 354.0 |
| 127.5° | 387.8 | 387.5 | 387.0 | 386.5 | 386.0 | 385.5 | 384.9 | 384.1 | 383.3 | 382.5 | 381.7 |
| 130° | 404.7 | 404.3 | 404.0 | 403.6 | 403.2 | 402.8 | 402.2 | 401.4 | 400.6 | 399.8 | 399.0 |
| 132.5° | 420.9 | 420.5 | 420.2 | 419.9 | 419.6 | 419.2 | 418.7 | 417.9 | 417.1 | 416.3 | 415.5 |
| 135° | 445.5 | 445.2 | 444.8 | 444.4 | 444.0 | 443.6 | 443.1 | 442.5 | 441.9 | 441.3 | 440.7 |
| 137.5° | 467.2 | 466.7 | 466.5 | 466.3 | 466.1 | 465.8 | 465.3 | 464.6 | 463.8 | 463.1 | 462.3 |
| 140° | 481.1 | 480.7 | 480.4 | 480.1 | 479.8 | 479.5 | 479.1 | 478.5 | 477.9 | 477.3 | 476.7 |
| 142.5° | 494.3 | 494.0 | 493.7 | 493.4 | 493.1 | 492.8 | 492.4 | 491.8 | 491.2 | 490.6 | 490.0 |
| 145° | 512.8 | 512.6 | 512.4 | 512.2 | 512.0 | 511.8 | 511.4 | 510.7 | 510.0 | 509.3 | 508.6 |
| 147.5° | 529.3 | 529.1 | 528.9 | 528.7 | 528.5 | 528.3 | 527.9 | 527.5 | 527.0 | 526.6 | 526.1 |
| 150° | 539.3 | 539.1 | 538.9 | 538.7 | 538.5 | 538.3 | 538.1 | 537.8 | 537.5 | 537.2 | 536.9 |
| 152.5° | 548.1 | 547.8 | 547.6 | 547.5 | 547.4 | 547.3 | 547.2 | 547.0 | 546.9 | 546.7 | 546.6 |
| 155° | 560.3 | 559.8 | 559.7 | 559.6 | 559.5 | 559.4 | 559.5 | 559.7 | 559.8 | 560.0 | 560.2 |
| 157.5° | 570.9 | 570.3 | 570.4 | 570.5 | 570.6 | 570.7 | 570.8 | 570.8 | 570.8 | 570.8 | 570.9 |
| 160° | 577.0 | 576.4 | 576.5 | 576.6 | 576.7 | 576.8 | 576.9 | 577.0 | 577.1 | 577.2 | 577.3 |
| 162.5° | 582.5 | 581.8 | 581.9 | 582.0 | 582.1 | 582.2 | 582.4 | 582.7 | 582.9 | 583.2 | 583.4 |
| 165° | 589.8 | 589.0 | 589.1 | 589.2 | 589.3 | 589.4 | 589.6 | 589.9 | 590.2 | 590.5 | 590.8 |
| 167.5° | 595.6 | 594.8 | 594.8 | 594.8 | 594.8 | 594.8 | 595.0 | 595.4 | 595.8 | 596.2 | 596.6 |
| 170° | 598.8 | 598.0 | 598.0 | 598.0 | 598.0 | 598.0 | 598.2 | 598.6 | 599.0 | 599.4 | 599.8 |
| 172.5° | 600.9 | 600.1 | 600.1 | 600.0 | 599.9 | 599.8 | 600.0 | 600.5 | 601.0 | 601.5 | 601.9 |
| 175° | 603.6 | 602.9 | 602.8 | 602.7 | 602.6 | 602.5 | 602.7 | 603.2 | 603.7 | 604.2 | 604.7 |
| 177.5° | 604.6 | 604.0 | 603.9 | 603.8 | 603.8 | 603.7 | 603.8 | 604.2 | 604.6 | 605.0 | 605.4 |
| 180° | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 |
| 2.5° | 1632.2 | 1635.3 | 1646.0 | 1653.6 | 1662.4 | 1667.4 | 1672.4 | 1676.2 | 1681.2 | 1682.5 | 1700.7 |
| 5° | 1639.4 | 1655.2 | 1682.7 | 1703.1 | 1728.2 | 1755.7 | 1774.6 | 1783.3 | 1806.0 | 1824.9 | 1862.6 |
| 7.5° | 1637.4 | 1670.9 | 1712.4 | 1755.4 | 1801.6 | 1844.4 | 1881.5 | 1925.5 | 1956.8 | 2003.8 | 2050.2 |
| 10° | 1635.5 | 1680.3 | 1733.7 | 1788.8 | 1853.2 | 1912.9 | 1966.4 | 2026.1 | 2075.6 | 2140.8 | 2196.6 |
| 12.5° | 1629.8 | 1684.1 | 1758.3 | 1823.3 | 1901.6 | 1984.0 | 2063.2 | 2139.9 | 2183.8 | 2292.4 | 2343.8 |
| 15° | 1615.9 | 1680.3 | 1773.0 | 1872.1 | 1979.7 | 2077.2 | 2177.8 | 2258.0 | 2387.6 | 2482.7 | 2543.2 |
| 17.5° | 1589.1 | 1679.4 | 1789.4 | 1908.8 | 2039.8 | 2168.2 | 2282.2 | 2403.8 | 2541.4 | 2656.4 | 2779.0 |
| 20° | 1576.6 | 1675.6 | 1798.2 | 1930.2 | 2066.2 | 2211.6 | 2341.3 | 2487.4 | 2637.6 | 2750.7 | 2907.9 |
| 22.5° | 1553.3 | 1665.5 | 1797.6 | 1944.7 | 2090.1 | 2240.5 | 2392.2 | 2539.6 | 2713.0 | 2868.9 | 3018.6 |
| 25° | 1515.3 | 1641.0 | 1777.8 | 1942.0 | 2112.6 | 2263.5 | 2445.0 | 2640.7 | 2821.5 | 3021.9 | 3171.2 |
| 27.5° | 1475.3 | 1609.6 | 1746.6 | 1899.4 | 2082.8 | 2261.9 | 2490.3 | 2711.4 | 2932.4 | 3105.5 | 3216.0 |
| 30° | 1444.5 | 1575.0 | 1716.5 | 1870.5 | 2052.0 | 2265.0 | 2520.4 | 2761.7 | 2977.1 | 3125.6 | 3187.7 |
| 32.5° | 1411.2 | 1543.5 | 1668.7 | 1830.3 | 2023.7 | 2263.1 | 2539.3 | 2791.3 | 2979.6 | 3078.5 | 3066.4 |
| 35° | 1358.9 | 1469.7 | 1591.5 | 1747.1 | 1975.0 | 2249.3 | 2550.3 | 2793.9 | 2909.5 | 2888.3 | 2727.9 |
| 37.5° | 1283.4 | 1376.6 | 1496.6 | 1666.9 | 1918.4 | 2220.2 | 2528.3 | 2711.1 | 2703.6 | 2530.8 | 2298.5 |
| 40° | 1236.3 | 1315.6 | 1431.2 | 1610.4 | 1874.4 | 2201.4 | 2493.7 | 2612.4 | 2511.8 | 2270.5 | 1992.3 |
| 42.5° | 1174.6 | 1247.7 | 1363.3 | 1547.5 | 1826.0 | 2163.0 | 2427.7 | 2462.1 | 2265.3 | 1987.6 | 1732.6 |
| 45° | 1079.1 | 1143.5 | 1263.0 | 1453.2 | 1753.4 | 2079.5 | 2266.6 | 2182.5 | 1917.6 | 1630.8 | 1436.7 |
| 47.5° | 976.4 | 1043.4 | 1158.3 | 1353.7 | 1648.4 | 1954.0 | 2043.1 | 1864.2 | 1592.3 | 1359.6 | 1181.4 |
| 50° | 911.7 | 976.1 | 1088.5 | 1285.8 | 1577.3 | 1850.8 | 1887.8 | 1656.7 | 1406.8 | 1202.5 | 1056.3 |
| 52.5° | 846.3 | 907.0 | 1017.5 | 1215.3 | 1494.4 | 1731.4 | 1708.6 | 1473.1 | 1243.3 | 1069.2 | 954.4 |
| 55° | 749.0 | 806.4 | 911.7 | 1097.1 | 1351.0 | 1538.8 | 1456.3 | 1231.5 | 1041.3 | 906.2 | 818.9 |
| 57.5° | 661.9 | 716.9 | 807.8 | 975.3 | 1196.0 | 1325.1 | 1220.1 | 1030.7 | 879.4 | 775.4 | 710.3 |
| 60° | 602.8 | 651.5 | 738.0 | 893.6 | 1085.4 | 1183.6 | 1079.9 | 912.5 | 785.1 | 701.8 | 643.7 |
| 62.5° | 546.8 | 589.3 | 669.4 | 810.6 | 977.2 | 1059.7 | 954.7 | 813.1 | 704.7 | 630.8 | 581.4 |
| 65° | 462.1 | 500.6 | 571.4 | 681.4 | 818.1 | 873.2 | 782.8 | 668.0 | 583.9 | 528.9 | 495.9 |
| 67.5° | 384.8 | 417.5 | 478.6 | 565.2 | 665.8 | 705.9 | 637.1 | 548.3 | 484.9 | 440.7 | 414.5 |
| 70° | 333.2 | 361.5 | 409.5 | 484.1 | 575.3 | 605.9 | 541.5 | 468.4 | 422.0 | 386.7 | 362.3 |
| 72.5° | 289.8 | 310.6 | 354.1 | 411.8 | 487.9 | 512.3 | 467.3 | 403.0 | 359.8 | 333.2 | 313.9 |
| 75° | 220.8 | 238.1 | 266.4 | 312.8 | 365.5 | 379.6 | 345.8 | 305.7 | 276.6 | 257.8 | 242.8 |
| 77.5° | 159.2 | 172.0 | 192.4 | 221.0 | 257.5 | 270.2 | 248.8 | 222.1 | 200.9 | 188.1 | 179.8 |
| 80° | 120.2 | 130.5 | 147.8 | 171.3 | 193.3 | 200.4 | 187.8 | 167.4 | 152.5 | 145.4 | 138.3 |
| 82.5° | 88.8 | 94.6 | 105.0 | 121.0 | 136.1 | 144.5 | 133.8 | 121.5 | 113.5 | 107.0 | 104.4 |
| 85° | 44.8 | 47.9 | 52.7 | 58.9 | 68.4 | 71.5 | 67.6 | 64.4 | 59.7 | 55.8 | 55.8 |
| 87.5° | 16.6 | 16.8 | 18.9 | 20.4 | 23.1 | 25.3 | 24.9 | 23.9 | 23.5 | 23.0 | 22.4 |
| 90° | 1.4 | 2.4 | 3.4 | 4.4 | 5.6 | 6.9 | 8.2 | 9.5 | 10.8 | 11.2 | 11.6 |
| 92.5° | 8.1 | 7.8 | 7.5 | 7.2 | 7.6 | 8.6 | 9.5 | 10.5 | 11.5 | 12.1 | 12.8 |
| 95° | 23.3 | 19.2 | 15.1 | 11.0 | 9.5 | 10.6 | 11.7 | 12.8 | 13.9 | 14.6 | 15.3 |
| 97.5° | 53.2 | 51.4 | 49.6 | 47.7 | 43.2 | 36.0 | 28.8 | 21.7 | 14.5 | 15.3 | 16.1 |
| 100° | 77.9 | 79.9 | 81.9 | 83.9 | 77.1 | 61.6 | 46.0 | 30.4 | 14.8 | 15.6 | 16.4 |
| 102.5° | 101.1 | 102.5 | 104.0 | 105.4 | 97.6 | 80.6 | 63.6 | 46.6 | 29.6 | 27.1 | 24.6 |
| 105° | 135.0 | 136.1 | 137.2 | 138.3 | 134.3 | 125.3 | 116.4 | 107.4 | 98.4 | 80.7 | 63.0 |
| 107.5° | 170.9 | 171.8 | 172.6 | 173.5 | 174.7 | 176.1 | 177.5 | 178.9 | 180.3 | 167.4 | 154.4 |
| 110° | 194.9 | 195.7 | 196.5 | 197.3 | 198.2 | 199.3 | 200.4 | 201.5 | 202.6 | 199.3 | 196.0 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 217.8 | 218.5 | 219.2 | 220.0 | 220.9 | 222.0 | 223.1 | 224.2 | 225.3 | 225.3 | 225.4 |
| 115° | 251.7 | 252.3 | 252.9 | 253.5 | 254.3 | 255.2 | 256.1 | 257.0 | 257.9 | 258.9 | 259.9 |
| 117.5° | 284.9 | 285.6 | 286.3 | 287.1 | 287.7 | 288.1 | 288.6 | 289.1 | 289.5 | 290.3 | 291.1 |
| 120° | 305.5 | 306.4 | 307.3 | 308.2 | 308.8 | 309.1 | 309.4 | 309.7 | 310.0 | 310.8 | 311.6 |
| 122.5° | 326.2 | 326.9 | 327.7 | 328.4 | 329.0 | 329.4 | 329.7 | 330.1 | 330.5 | 331.0 | 331.6 |
| 125° | 354.8 | 355.6 | 356.4 | 357.2 | 357.8 | 358.2 | 358.6 | 359.0 | 359.4 | 359.6 | 359.8 |
| 127.5° | 382.5 | 383.3 | 384.1 | 384.9 | 385.5 | 386.0 | 386.5 | 387.0 | 387.5 | 387.8 | 388.1 |
| 130° | 399.8 | 400.6 | 401.4 | 402.2 | 402.8 | 403.2 | 403.6 | 404.0 | 404.3 | 404.7 | 405.1 |
| 132.5° | 416.3 | 417.1 | 417.9 | 418.7 | 419.2 | 419.6 | 419.9 | 420.2 | 420.5 | 420.9 | 421.3 |
| 135° | 441.3 | 441.9 | 442.5 | 443.1 | 443.6 | 444.0 | 444.4 | 444.8 | 445.2 | 445.5 | 445.8 |
| 137.5° | 463.1 | 463.8 | 464.6 | 465.3 | 465.8 | 466.1 | 466.3 | 466.5 | 466.7 | 467.2 | 467.7 |
| 140° | 477.3 | 477.9 | 478.5 | 479.1 | 479.5 | 479.8 | 480.1 | 480.4 | 480.7 | 481.1 | 481.5 |
| 142.5° | 490.6 | 491.2 | 491.8 | 492.4 | 492.8 | 493.1 | 493.4 | 493.7 | 494.0 | 494.3 | 494.7 |
| 145° | 509.3 | 510.0 | 510.7 | 511.4 | 511.8 | 512.0 | 512.2 | 512.4 | 512.6 | 512.8 | 513.0 |
| 147.5° | 526.6 | 527.0 | 527.5 | 527.9 | 528.3 | 528.5 | 528.7 | 528.9 | 529.1 | 529.3 | 529.5 |
| 150° | 537.2 | 537.5 | 537.8 | 538.1 | 538.3 | 538.5 | 538.7 | 538.9 | 539.1 | 539.3 | 539.5 |
| 152.5° | 546.7 | 546.9 | 547.0 | 547.2 | 547.3 | 547.4 | 547.5 | 547.6 | 547.8 | 548.1 | 548.5 |
| 155° | 560.0 | 559.8 | 559.7 | 559.5 | 559.4 | 559.5 | 559.6 | 559.7 | 559.8 | 560.3 | 560.8 |
| 157.5° | 570.8 | 570.8 | 570.8 | 570.8 | 570.7 | 570.6 | 570.5 | 570.4 | 570.3 | 570.9 | 571.5 |
| 160° | 577.2 | 577.1 | 577.0 | 576.9 | 576.8 | 576.7 | 576.6 | 576.5 | 576.4 | 577.0 | 577.6 |
| 162.5° | 583.2 | 582.9 | 582.7 | 582.4 | 582.2 | 582.1 | 582.0 | 581.9 | 581.8 | 582.5 | 583.2 |
| 165° | 590.5 | 590.2 | 589.9 | 589.6 | 589.4 | 589.3 | 589.2 | 589.1 | 589.0 | 589.8 | 590.6 |
| 167.5° | 596.2 | 595.8 | 595.4 | 595.0 | 594.8 | 594.8 | 594.8 | 594.8 | 594.8 | 595.6 | 596.4 |
| 170° | 599.4 | 599.0 | 598.6 | 598.2 | 598.0 | 598.0 | 598.0 | 598.0 | 598.0 | 598.8 | 599.6 |
| 172.5° | 601.5 | 601.0 | 600.5 | 600.0 | 599.8 | 599.9 | 600.0 | 600.1 | 600.1 | 600.9 | 601.7 |
| 175° | 604.2 | 603.7 | 603.2 | 602.7 | 602.5 | 602.6 | 602.7 | 602.8 | 602.9 | 603.6 | 604.3 |
| 177.5° | 605.0 | 604.6 | 604.2 | 603.8 | 603.7 | 603.8 | 603.8 | 603.9 | 604.0 | 604.6 | 605.3 |
| 180° | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 | 1622.1 |
| 2.5° | 1707.0 | 1707.6 | 1714.6 | 1719.6 | 1717.1 | 1720.2 | 1721.5 |
| 5° | 1865.0 | 1893.3 | 1908.2 | 1919.2 | 1920.0 | 1920.8 | 1927.1 |
| 7.5° | 2089.0 | 2119.3 | 2141.5 | 2175.1 | 2185.2 | 2196.6 | 2193.3 |
| 10° | 2252.5 | 2297.2 | 2335.8 | 2356.2 | 2378.2 | 2410.4 | 2384.5 |
| 12.5° | 2405.2 | 2484.6 | 2543.2 | 2575.0 | 2595.7 | 2602.2 | 2589.5 |
| 15° | 2657.2 | 2760.9 | 2816.7 | 2815.2 | 2885.9 | 2916.6 | 2868.6 |
| 17.5° | 2888.3 | 2984.0 | 3060.7 | 3100.0 | 3158.9 | 3172.0 | 3166.0 |
| 20° | 3029.7 | 3134.3 | 3194.0 | 3261.6 | 3292.2 | 3319.7 | 3324.4 |
| 22.5° | 3151.7 | 3245.5 | 3309.7 | 3365.9 | 3391.6 | 3404.6 | 3412.5 |
| 25° | 3277.3 | 3351.2 | 3389.7 | 3409.3 | 3416.4 | 3414.8 | 3404.6 |
| 27.5° | 3268.6 | 3274.3 | 3231.9 | 3190.2 | 3153.0 | 3111.0 | 3096.5 |
| 30° | 3183.8 | 3117.7 | 2999.9 | 2933.1 | 2834.8 | 2757.0 | 2788.4 |
| 32.5° | 2960.6 | 2829.2 | 2696.8 | 2550.8 | 2429.9 | 2395.5 | 2360.9 |
| 35° | 2526.7 | 2295.7 | 2160.5 | 2003.3 | 1940.4 | 1877.6 | 1834.3 |
| 37.5° | 2044.2 | 1865.5 | 1705.1 | 1602.3 | 1539.3 | 1499.5 | 1478.2 |
| 40° | 1767.5 | 1606.4 | 1474.4 | 1391.1 | 1343.1 | 1298.3 | 1292.1 |
| 42.5° | 1546.9 | 1397.1 | 1297.7 | 1231.4 | 1185.3 | 1166.3 | 1152.5 |
| 45° | 1266.9 | 1162.4 | 1095.6 | 1048.4 | 1017.8 | 1006.0 | 990.3 |
| 47.5° | 1072.3 | 998.4 | 948.3 | 916.2 | 893.1 | 884.3 | 883.1 |
| 50° | 963.5 | 902.2 | 865.3 | 840.1 | 822.1 | 818.9 | 806.4 |
| 52.5° | 881.8 | 828.7 | 799.9 | 777.9 | 764.9 | 756.1 | 752.3 |
| 55° | 765.5 | 730.1 | 704.2 | 691.6 | 681.4 | 672.7 | 672.7 |
| 57.5° | 669.8 | 640.2 | 623.1 | 612.4 | 609.2 | 603.1 | 599.2 |
| 60° | 610.7 | 585.5 | 572.2 | 562.7 | 556.4 | 557.2 | 550.1 |
| 62.5° | 552.8 | 536.5 | 523.7 | 514.3 | 506.8 | 506.9 | 507.4 |
| 65° | 470.8 | 458.2 | 448.8 | 445.6 | 440.9 | 435.4 | 437.0 |
| 67.5° | 398.9 | 387.1 | 379.8 | 374.4 | 372.8 | 369.9 | 374.4 |
| 70° | 347.4 | 338.7 | 333.2 | 328.5 | 326.9 | 327.7 | 331.7 |
| 72.5° | 300.2 | 294.1 | 290.5 | 288.3 | 284.8 | 285.0 | 287.6 |
| 75° | 235.8 | 231.1 | 227.9 | 225.6 | 224.8 | 224.8 | 224.8 |
| 77.5° | 173.2 | 172.1 | 170.7 | 167.2 | 167.4 | 168.3 | 168.5 |
| 80° | 136.8 | 134.4 | 133.6 | 132.0 | 129.7 | 128.1 | 132.0 |
| 82.5° | 102.2 | 99.8 | 99.0 | 98.7 | 95.1 | 94.8 | 98.1 |
| 85° | 55.0 | 52.7 | 53.4 | 52.7 | 52.7 | 51.9 | 51.9 |
| 87.5° | 21.9 | 21.3 | 20.8 | 21.4 | 20.8 | 20.3 | 21.6 |
| 90° | 12.0 | 12.4 | 12.7 | 12.9 | 13.1 | 13.3 | 13.5 |
| 92.5° | 13.4 | 14.1 | 14.4 | 14.6 | 14.7 | 14.8 | 14.9 |
| 95° | 16.0 | 16.7 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 97.5° | 16.9 | 17.7 | 18.1 | 18.2 | 18.3 | 18.4 | 18.5 |
| 100° | 17.2 | 18.0 | 18.5 | 18.6 | 18.7 | 18.8 | 18.9 |
| 102.5° | 22.1 | 19.7 | 18.5 | 18.7 | 18.9 | 19.0 | 19.2 |
| 105° | 45.4 | 27.7 | 19.0 | 19.2 | 19.4 | 19.6 | 19.8 |
| 107.5° | 141.5 | 128.5 | 115.4 | 102.0 | 88.7 | 75.4 | 62.1 |
| 110° | 192.7 | 189.4 | 180.7 | 166.4 | 152.1 | 137.8 | 123.6 |



TEST NUMBER: P332210

CATALOG NUMBER: S123DIW-S1165D460U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 225.4 | 225.5 | 224.0 | 221.0 | 218.0 | 215.0 | 212.0 |
| 115° | 260.9 | 261.9 | 262.6 | 263.0 | 263.4 | 263.8 | 264.2 |
| 117.5° | 291.9 | 292.7 | 293.1 | 293.2 | 293.3 | 293.4 | 293.5 |
| 120° | 312.4 | 313.2 | 313.6 | 313.6 | 313.6 | 313.6 | 313.6 |
| 122.5° | 332.2 | 332.7 | 333.0 | 333.1 | 333.2 | 333.3 | 333.4 |
| 125° | 360.0 | 360.2 | 360.4 | 360.6 | 360.8 | 361.0 | 361.2 |
| 127.5° | 388.4 | 388.7 | 388.8 | 388.6 | 388.4 | 388.2 | 388.0 |
| 130° | 405.5 | 405.9 | 406.0 | 405.8 | 405.6 | 405.4 | 405.2 |
| 132.5° | 421.7 | 422.1 | 422.2 | 421.9 | 421.6 | 421.3 | 421.1 |
| 135° | 446.1 | 446.4 | 446.4 | 446.1 | 445.8 | 445.5 | 445.2 |
| 137.5° | 468.1 | 468.6 | 468.8 | 468.6 | 468.4 | 468.2 | 468.0 |
| 140° | 481.9 | 482.3 | 482.4 | 482.2 | 482.0 | 481.8 | 481.6 |
| 142.5° | 495.0 | 495.3 | 495.3 | 495.0 | 494.8 | 494.5 | 494.2 |
| 145° | 513.2 | 513.4 | 513.5 | 513.5 | 513.5 | 513.5 | 513.5 |
| 147.5° | 529.7 | 529.9 | 529.7 | 529.3 | 528.8 | 528.4 | 527.9 |
| 150° | 539.7 | 539.9 | 539.9 | 539.6 | 539.3 | 539.0 | 538.7 |
| 152.5° | 548.8 | 549.2 | 549.1 | 548.7 | 548.2 | 547.8 | 547.3 |
| 155° | 561.3 | 561.8 | 561.7 | 561.1 | 560.5 | 559.9 | 559.4 |
| 157.5° | 572.1 | 572.7 | 572.6 | 571.8 | 571.1 | 570.3 | 569.5 |
| 160° | 578.2 | 578.8 | 578.8 | 578.1 | 577.4 | 576.7 | 576.0 |
| 162.5° | 583.9 | 584.5 | 584.6 | 583.9 | 583.3 | 582.7 | 582.1 |
| 165° | 591.4 | 592.2 | 592.2 | 591.5 | 590.9 | 590.2 | 589.5 |
| 167.5° | 597.1 | 597.9 | 597.9 | 597.1 | 596.4 | 595.6 | 594.8 |
| 170° | 600.4 | 601.2 | 601.2 | 600.4 | 599.6 | 598.8 | 598.0 |
| 172.5° | 602.5 | 603.3 | 603.3 | 602.4 | 601.5 | 600.7 | 599.8 |
| 175° | 605.0 | 605.7 | 605.7 | 604.9 | 604.1 | 603.3 | 602.5 |
| 177.5° | 605.9 | 606.6 | 606.5 | 605.7 | 604.9 | 604.1 | 603.3 |
| 180° | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 | 604.7 |

(END OF REPORT)