

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: P331466-930

Luminaire Tested: **S122DIW-S290D435U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331466-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S290D435U930-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 435 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2288.9 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

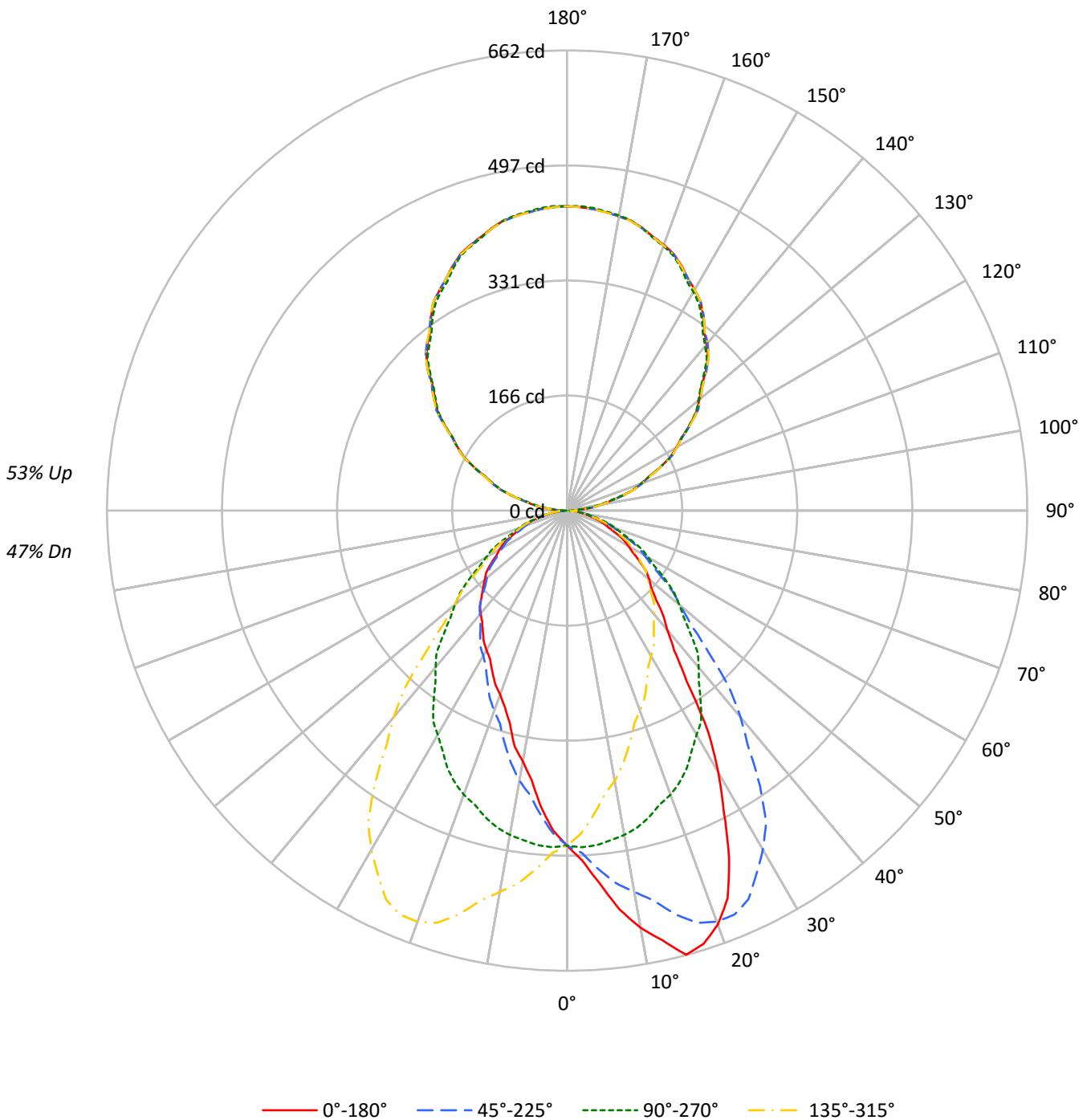
Input Watts (W): 23
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 81 | 81 | 81 | 67 | 67 | 67 | 53 | 53 | 53 | 47 |
| 1 | 97 | 93 | 90 | 86 | 89 | 86 | 83 | 80 | 72 | 70 | 68 | 59 | 58 | 56 | 47 | 46 | 46 | 40 |
| 2 | 89 | 82 | 76 | 71 | 82 | 76 | 71 | 66 | 64 | 60 | 57 | 53 | 50 | 48 | 42 | 41 | 39 | 34 |
| 3 | 82 | 72 | 65 | 60 | 75 | 67 | 61 | 56 | 56 | 52 | 48 | 47 | 44 | 41 | 38 | 36 | 34 | 30 |
| 4 | 75 | 64 | 57 | 51 | 69 | 60 | 53 | 48 | 50 | 45 | 41 | 42 | 38 | 35 | 34 | 32 | 29 | 26 |
| 5 | 69 | 58 | 50 | 44 | 63 | 53 | 46 | 41 | 45 | 40 | 36 | 38 | 34 | 31 | 31 | 28 | 26 | 23 |
| 6 | 64 | 52 | 44 | 38 | 58 | 48 | 41 | 36 | 41 | 36 | 32 | 34 | 30 | 27 | 28 | 25 | 23 | 20 |
| 7 | 59 | 47 | 39 | 34 | 54 | 44 | 37 | 32 | 37 | 32 | 28 | 31 | 27 | 24 | 26 | 23 | 21 | 18 |
| 8 | 55 | 43 | 35 | 30 | 50 | 40 | 33 | 28 | 34 | 29 | 25 | 29 | 25 | 22 | 24 | 21 | 19 | 16 |
| 9 | 51 | 39 | 32 | 27 | 47 | 36 | 30 | 25 | 31 | 26 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 15 |
| 10 | 48 | 36 | 29 | 24 | 44 | 33 | 27 | 23 | 29 | 24 | 20 | 25 | 21 | 18 | 21 | 18 | 15 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 7781 | 7781 | 7781 | 7781 |
| 5° | 8723 | 7831 | 6940 | 7831 |
| 10° | 9996 | 7768 | 6005 | 7768 |
| 15° | 11057 | 7626 | 5307 | 7626 |
| 20° | 10890 | 7472 | 4837 | 7472 |
| 25° | 9818 | 7269 | 4541 | 7269 |
| 30° | 8114 | 6943 | 4323 | 6943 |
| 35° | 5913 | 6603 | 4169 | 6603 |
| 40° | 4723 | 6203 | 4083 | 6203 |
| 45° | 4128 | 5740 | 3966 | 5740 |
| 50° | 3881 | 5290 | 3888 | 5290 |
| 55° | 3575 | 4833 | 3783 | 4833 |
| 60° | 3278 | 4346 | 3626 | 4346 |
| 65° | 2988 | 3912 | 3465 | 3912 |
| 70° | 2710 | 3489 | 3238 | 3489 |
| 75° | 2408 | 3013 | 2863 | 3013 |
| 80° | 2073 | 2492 | 2306 | 2492 |
| 85° | 1853 | 1853 | 1371 | 1853 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.9 | 2.0 |
| 10°-20° | 133.4 | 5.8 |
| 20°-30° | 193.6 | 8.5 |
| 30°-40° | 204.3 | 8.9 |
| 40°-50° | 180.9 | 7.9 |
| 50°-60° | 144.4 | 6.3 |
| 60°-70° | 98.1 | 4.3 |
| 70°-80° | 50.3 | 2.2 |
| 80°-90° | 13.9 | 0.6 |
| 90°-100° | 27.7 | 1.2 |
| 100°-110° | 86.1 | 3.8 |
| 110°-120° | 147.2 | 6.4 |
| 120°-130° | 193.6 | 8.5 |
| 130°-140° | 217.3 | 9.5 |
| 140°-150° | 213.1 | 9.3 |
| 150°-160° | 178.7 | 7.8 |
| 160°-170° | 118.6 | 5.2 |
| 170°-180° | 41.4 | 1.8 |
| 0°-30° | 373.0 | 16.3 |
| 0°-40° | 577.3 | 25.2 |
| 0°-60° | 902.6 | 39.4 |
| 0°-90° | 1064.9 | 46.5 |
| 90°-120° | 261.1 | 11.4 |
| 90°-150° | 885.2 | 38.7 |
| 90°-180° | 1224.0 | 53.5 |
| 0°-180° | 2288.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 482 | 482 | 482 | 482 | 482 | |
| 5° | 538 | 483 | 428 | 483 | 538 | 54 |
| 15° | 662 | 456 | 318 | 456 | 662 | 183 |
| 25° | 551 | 408 | 255 | 408 | 551 | 249 |
| 35° | 300 | 335 | 212 | 335 | 300 | 195 |
| 45° | 181 | 251 | 174 | 251 | 181 | 142 |
| 55° | 127 | 172 | 134 | 172 | 127 | 114 |
| 65° | 78 | 102 | 91 | 102 | 78 | 78 |
| 75° | 39 | 48 | 46 | 48 | 39 | 41 |
| 85° | 10 | 10 | 7 | 10 | 10 | 11 |
| 90° | 13 | 0 | 13 | 0 | 13 | 6 |
| 95° | 23 | 19 | 23 | 19 | 23 | 26 |
| 105° | 82 | 79 | 82 | 79 | 82 | 86 |
| 115° | 148 | 148 | 148 | 148 | 148 | 146 |
| 125° | 216 | 215 | 216 | 215 | 216 | 192 |
| 135° | 281 | 278 | 281 | 278 | 281 | 217 |
| 145° | 341 | 338 | 341 | 338 | 341 | 213 |
| 155° | 389 | 386 | 389 | 386 | 389 | 179 |
| 165° | 420 | 420 | 420 | 420 | 420 | 119 |
| 175° | 436 | 437 | 436 | 437 | 436 | 41 |
| 180° | 438 | 438 | 438 | 438 | 438 | |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5° | 504.1 | 504.3 | 504.6 | 502.2 | 501.9 | 501.9 | 499.9 | 498.1 | 495.9 | 493.2 | 493.5 |
| 5° | 538.2 | 540.2 | 541.0 | 538.7 | 535.4 | 535.1 | 531.9 | 526.8 | 521.9 | 518.0 | 515.3 |
| 7.5° | 578.9 | 579.7 | 577.9 | 574.9 | 572.5 | 568.0 | 562.1 | 556.4 | 548.4 | 541.0 | 535.6 |
| 10° | 609.7 | 610.8 | 607.6 | 603.4 | 599.9 | 594.7 | 586.2 | 577.5 | 567.0 | 556.8 | 548.6 |
| 12.5° | 633.1 | 635.9 | 631.8 | 631.3 | 625.3 | 618.1 | 608.0 | 603.6 | 588.7 | 574.5 | 565.7 |
| 15° | 661.5 | 661.4 | 661.8 | 658.2 | 653.8 | 652.6 | 642.0 | 630.2 | 609.4 | 601.0 | 586.5 |
| 17.5° | 653.3 | 656.2 | 657.5 | 657.4 | 657.3 | 656.6 | 653.1 | 645.8 | 635.3 | 621.7 | 605.1 |
| 20° | 633.8 | 637.5 | 638.1 | 642.3 | 644.7 | 647.8 | 649.1 | 647.1 | 640.7 | 629.3 | 614.9 |
| 22.5° | 603.6 | 604.6 | 606.3 | 612.9 | 618.2 | 626.1 | 630.1 | 637.1 | 634.5 | 629.0 | 616.9 |
| 25° | 551.1 | 549.3 | 555.8 | 559.1 | 571.2 | 583.8 | 592.9 | 602.8 | 611.7 | 617.1 | 613.6 |
| 27.5° | 488.3 | 485.5 | 495.2 | 504.1 | 513.8 | 527.5 | 541.6 | 558.3 | 572.2 | 589.6 | 595.6 |
| 30° | 435.2 | 436.9 | 446.1 | 455.6 | 470.4 | 489.7 | 505.6 | 523.9 | 543.8 | 563.2 | 576.7 |
| 32.5° | 378.1 | 384.4 | 390.3 | 404.8 | 417.8 | 439.3 | 462.7 | 485.6 | 510.3 | 532.4 | 553.3 |
| 35° | 300.0 | 307.4 | 315.6 | 326.1 | 344.5 | 365.7 | 388.6 | 419.5 | 453.2 | 483.4 | 508.2 |
| 37.5° | 252.6 | 251.4 | 256.0 | 263.7 | 278.5 | 295.7 | 322.0 | 352.5 | 392.2 | 427.6 | 462.7 |
| 40° | 224.1 | 223.4 | 226.7 | 233.7 | 245.0 | 257.6 | 280.6 | 307.4 | 344.3 | 387.7 | 429.3 |
| 42.5° | 204.6 | 205.0 | 206.8 | 211.8 | 219.6 | 229.9 | 247.1 | 269.9 | 303.7 | 344.5 | 389.3 |
| 45° | 180.8 | 182.1 | 184.1 | 186.5 | 190.9 | 199.5 | 209.1 | 225.4 | 252.1 | 286.2 | 330.2 |
| 47.5° | 163.6 | 163.7 | 165.8 | 167.9 | 170.5 | 175.3 | 183.2 | 193.4 | 212.2 | 239.9 | 277.9 |
| 50° | 154.5 | 153.2 | 154.7 | 156.3 | 159.1 | 162.4 | 167.6 | 177.2 | 189.8 | 212.2 | 243.9 |
| 52.5° | 143.2 | 143.2 | 144.6 | 145.2 | 147.7 | 151.0 | 155.7 | 162.4 | 173.8 | 191.4 | 217.4 |
| 55° | 127.0 | 128.0 | 128.7 | 129.8 | 132.1 | 134.4 | 138.2 | 142.6 | 151.5 | 164.6 | 183.9 |
| 57.5° | 111.9 | 112.2 | 112.9 | 115.0 | 116.4 | 118.6 | 122.1 | 126.2 | 132.0 | 141.7 | 156.2 |
| 60° | 101.5 | 101.5 | 103.0 | 103.9 | 105.7 | 107.9 | 110.7 | 114.6 | 119.8 | 127.8 | 139.5 |
| 62.5° | 92.0 | 91.9 | 92.5 | 94.0 | 95.4 | 97.4 | 100.2 | 103.5 | 108.4 | 115.5 | 125.1 |
| 65° | 78.2 | 77.8 | 78.9 | 79.2 | 80.7 | 82.8 | 85.0 | 88.5 | 92.5 | 97.6 | 106.2 |
| 67.5° | 64.8 | 65.3 | 65.9 | 66.5 | 67.3 | 69.5 | 71.0 | 73.5 | 76.8 | 81.1 | 86.8 |
| 70° | 57.4 | 57.4 | 57.4 | 58.0 | 59.1 | 60.2 | 61.6 | 63.7 | 66.9 | 70.5 | 75.7 |
| 72.5° | 49.1 | 49.7 | 50.3 | 50.0 | 51.4 | 52.0 | 53.8 | 55.0 | 58.0 | 60.3 | 64.9 |
| 75° | 38.6 | 38.6 | 38.6 | 39.5 | 40.0 | 40.5 | 41.7 | 42.8 | 44.3 | 47.2 | 49.7 |
| 77.5° | 28.8 | 28.7 | 28.9 | 29.1 | 29.7 | 30.3 | 30.7 | 31.6 | 33.0 | 34.4 | 36.4 |
| 80° | 22.3 | 22.6 | 22.7 | 23.2 | 23.2 | 23.5 | 23.7 | 25.0 | 25.9 | 26.8 | 28.1 |
| 82.5° | 17.2 | 17.3 | 17.3 | 17.4 | 17.5 | 17.8 | 18.3 | 18.7 | 19.0 | 19.7 | 20.7 |
| 85° | 10.0 | 9.8 | 9.8 | 10.2 | 10.0 | 10.0 | 10.4 | 10.8 | 10.8 | 10.9 | 11.5 |
| 87.5° | 6.4 | 6.4 | 6.4 | 6.3 | 6.3 | 6.4 | 6.5 | 6.4 | 6.5 | 6.8 | 6.5 |
| 90° | 12.6 | 12.5 | 12.4 | 12.3 | 12.2 | 12.3 | 12.5 | 12.6 | 12.8 | 13.0 | 11.1 |
| 92.5° | 12.0 | 12.0 | 11.9 | 11.9 | 11.9 | 11.9 | 11.8 | 11.8 | 11.7 | 11.7 | 11.3 |
| 95° | 22.9 | 23.1 | 23.2 | 23.4 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.5 |
| 97.5° | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.5 |
| 100° | 50.6 | 50.7 | 50.8 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 50.7 |
| 102.5° | 63.0 | 63.1 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.2 | 63.2 | 63.1 | 62.8 |
| 105° | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 81.9 | 81.8 | 81.6 | 81.4 | 81.3 | 81.1 |
| 107.5° | 99.9 | 100.3 | 100.6 | 101.0 | 101.4 | 101.6 | 101.5 | 101.4 | 101.3 | 101.3 | 101.3 |
| 110° | 113.7 | 114.0 | 114.2 | 114.5 | 114.7 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 127.1 | 127.3 | 127.4 | 127.6 | 127.8 | 128.0 | 128.2 | 128.4 | 128.6 | 128.7 | 128.8 |
| 115° | 147.7 | 148.0 | 148.2 | 148.5 | 148.7 | 148.9 | 149.0 | 149.0 | 149.1 | 149.2 | 149.4 |
| 117.5° | 167.5 | 167.7 | 168.0 | 168.2 | 168.4 | 168.7 | 168.8 | 169.1 | 169.3 | 169.5 | 169.9 |
| 120° | 181.4 | 181.6 | 181.9 | 182.1 | 182.4 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 183.1 |
| 122.5° | 194.9 | 195.1 | 195.3 | 195.5 | 195.7 | 195.8 | 196.1 | 196.2 | 196.5 | 196.7 | 197.1 |
| 125° | 215.7 | 215.8 | 215.9 | 216.0 | 216.1 | 216.2 | 216.5 | 216.7 | 217.0 | 217.2 | 217.4 |
| 127.5° | 234.6 | 234.9 | 235.1 | 235.4 | 235.7 | 235.9 | 236.3 | 236.5 | 236.8 | 237.2 | 237.4 |
| 130° | 248.3 | 248.6 | 248.9 | 249.2 | 249.6 | 249.8 | 250.0 | 250.1 | 250.3 | 250.5 | 250.6 |
| 132.5° | 261.2 | 261.5 | 261.7 | 262.0 | 262.3 | 262.6 | 262.9 | 263.3 | 263.7 | 264.0 | 264.0 |
| 135° | 281.4 | 281.7 | 281.9 | 282.2 | 282.4 | 282.6 | 282.7 | 282.7 | 282.8 | 282.9 | 282.7 |
| 137.5° | 299.8 | 300.1 | 300.4 | 300.8 | 301.1 | 301.3 | 301.3 | 301.4 | 301.5 | 301.6 | 301.3 |
| 140° | 312.5 | 312.8 | 313.2 | 313.5 | 313.8 | 314.0 | 314.0 | 314.0 | 314.0 | 314.0 | 313.6 |
| 142.5° | 324.0 | 324.3 | 324.7 | 325.0 | 325.3 | 325.5 | 325.4 | 325.3 | 325.3 | 325.2 | 324.9 |
| 145° | 341.3 | 341.6 | 341.9 | 342.3 | 342.6 | 342.8 | 342.7 | 342.6 | 342.5 | 342.4 | 341.9 |
| 147.5° | 356.8 | 357.0 | 357.3 | 357.7 | 358.0 | 358.1 | 357.9 | 357.7 | 357.5 | 357.3 | 357.0 |
| 150° | 366.8 | 367.0 | 367.3 | 367.5 | 367.8 | 367.8 | 367.5 | 367.3 | 367.0 | 366.8 | 366.5 |
| 152.5° | 376.3 | 376.6 | 376.8 | 377.2 | 377.5 | 377.5 | 377.2 | 376.8 | 376.6 | 376.3 | 375.9 |
| 155° | 389.0 | 389.2 | 389.5 | 389.7 | 390.0 | 389.9 | 389.5 | 389.1 | 388.7 | 388.2 | 388.0 |
| 157.5° | 399.9 | 400.3 | 400.6 | 401.0 | 401.5 | 401.4 | 400.8 | 400.2 | 399.7 | 399.2 | 399.0 |
| 160° | 406.7 | 407.0 | 407.3 | 407.6 | 408.0 | 407.9 | 407.4 | 406.9 | 406.4 | 405.9 | 405.9 |
| 162.5° | 412.6 | 412.9 | 413.4 | 413.8 | 414.2 | 414.1 | 413.5 | 412.9 | 412.4 | 411.9 | 411.8 |
| 165° | 420.4 | 420.8 | 421.2 | 421.6 | 422.0 | 421.9 | 421.3 | 420.8 | 420.2 | 419.6 | 419.6 |
| 167.5° | 426.7 | 427.1 | 427.5 | 428.0 | 428.4 | 428.4 | 427.8 | 427.2 | 426.6 | 426.1 | 426.1 |
| 170° | 430.0 | 430.5 | 431.0 | 431.5 | 431.9 | 431.9 | 431.3 | 430.7 | 430.2 | 429.6 | 429.7 |
| 172.5° | 432.6 | 433.1 | 433.6 | 434.1 | 434.6 | 434.6 | 434.0 | 433.4 | 432.8 | 432.3 | 432.4 |
| 175° | 435.5 | 436.0 | 436.5 | 437.0 | 437.5 | 437.4 | 436.8 | 436.3 | 435.7 | 435.1 | 435.3 |
| 177.5° | 436.8 | 437.2 | 437.7 | 438.0 | 438.4 | 438.4 | 438.0 | 437.7 | 437.2 | 436.8 | 436.9 |
| 180° | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5° | 494.5 | 493.3 | 492.6 | 489.9 | 487.5 | 485.2 | 484.5 | 484.7 | 481.4 | 478.3 | 477.0 |
| 5° | 513.8 | 510.1 | 506.5 | 501.6 | 495.6 | 489.1 | 485.8 | 483.2 | 476.7 | 469.7 | 465.6 |
| 7.5° | 531.0 | 525.7 | 518.9 | 509.6 | 500.9 | 490.7 | 484.2 | 478.5 | 469.0 | 459.1 | 453.0 |
| 10° | 541.5 | 534.3 | 525.6 | 514.1 | 503.6 | 491.1 | 482.5 | 473.8 | 462.7 | 450.8 | 443.4 |
| 12.5° | 550.6 | 540.9 | 532.3 | 517.6 | 505.1 | 489.5 | 479.2 | 466.9 | 455.3 | 441.2 | 433.9 |
| 15° | 572.1 | 554.2 | 537.9 | 521.1 | 505.8 | 484.1 | 472.6 | 456.2 | 440.8 | 423.4 | 415.1 |
| 17.5° | 588.7 | 568.5 | 542.9 | 521.7 | 503.8 | 479.7 | 462.9 | 443.2 | 425.0 | 405.1 | 393.8 |
| 20° | 598.2 | 575.0 | 547.5 | 522.3 | 500.8 | 473.4 | 455.0 | 434.9 | 413.6 | 391.2 | 379.0 |
| 22.5° | 603.8 | 579.5 | 552.2 | 520.1 | 494.9 | 468.2 | 445.2 | 423.0 | 401.5 | 377.2 | 364.4 |
| 25° | 605.6 | 583.4 | 554.5 | 518.2 | 487.5 | 457.3 | 429.5 | 408.0 | 381.9 | 359.3 | 340.6 |
| 27.5° | 596.8 | 580.9 | 553.1 | 514.7 | 478.9 | 443.6 | 412.6 | 388.3 | 360.8 | 336.2 | 317.4 |
| 30° | 586.0 | 576.7 | 549.7 | 511.2 | 472.1 | 434.1 | 400.1 | 372.4 | 345.0 | 320.2 | 300.9 |
| 32.5° | 569.2 | 567.3 | 543.5 | 506.1 | 464.8 | 422.2 | 386.9 | 359.0 | 328.6 | 304.2 | 285.8 |
| 35° | 536.4 | 545.3 | 530.3 | 494.9 | 451.2 | 405.0 | 366.9 | 335.0 | 303.5 | 280.2 | 263.0 |
| 37.5° | 492.3 | 514.4 | 510.5 | 478.4 | 432.7 | 386.5 | 344.3 | 311.0 | 281.0 | 257.5 | 240.6 |
| 40° | 461.9 | 490.1 | 494.2 | 465.8 | 419.7 | 372.1 | 327.4 | 294.3 | 265.1 | 243.5 | 226.5 |
| 42.5° | 429.3 | 462.2 | 473.4 | 450.7 | 405.4 | 356.9 | 312.3 | 278.0 | 249.0 | 228.1 | 213.0 |
| 45° | 374.7 | 418.2 | 438.4 | 425.4 | 381.7 | 332.1 | 286.2 | 251.4 | 225.0 | 205.4 | 193.7 |
| 47.5° | 323.6 | 371.1 | 398.3 | 393.7 | 355.3 | 306.1 | 260.7 | 227.3 | 201.7 | 186.1 | 175.6 |
| 50° | 287.5 | 336.3 | 369.1 | 370.6 | 336.3 | 287.6 | 242.1 | 210.6 | 187.0 | 172.4 | 163.9 |
| 52.5° | 256.0 | 302.7 | 338.4 | 346.3 | 315.1 | 268.4 | 225.3 | 194.0 | 173.3 | 159.8 | 152.2 |
| 55° | 215.0 | 254.5 | 294.1 | 308.6 | 283.6 | 239.1 | 199.3 | 171.7 | 152.2 | 143.0 | 136.3 |
| 57.5° | 178.8 | 211.7 | 248.3 | 264.2 | 248.8 | 210.8 | 173.4 | 149.4 | 133.7 | 125.6 | 120.4 |
| 60° | 159.6 | 185.6 | 218.2 | 237.3 | 223.9 | 190.0 | 157.4 | 134.6 | 121.6 | 114.5 | 109.7 |
| 62.5° | 141.9 | 164.9 | 192.4 | 209.9 | 202.6 | 170.6 | 141.5 | 121.3 | 110.1 | 103.4 | 99.9 |
| 65° | 117.1 | 135.2 | 156.5 | 172.6 | 167.8 | 143.6 | 119.6 | 102.4 | 93.5 | 88.1 | 85.4 |
| 67.5° | 96.4 | 109.5 | 124.3 | 138.4 | 134.5 | 117.3 | 98.2 | 84.7 | 78.1 | 73.5 | 71.7 |
| 70° | 83.3 | 93.4 | 106.5 | 117.8 | 114.6 | 100.6 | 85.4 | 73.9 | 68.2 | 64.2 | 62.6 |
| 72.5° | 70.9 | 79.1 | 89.2 | 98.4 | 96.3 | 84.5 | 71.9 | 63.3 | 58.8 | 55.2 | 53.9 |
| 75° | 53.6 | 59.8 | 66.0 | 72.1 | 71.5 | 62.5 | 55.0 | 48.3 | 44.8 | 42.1 | 41.5 |
| 77.5° | 39.5 | 43.0 | 47.2 | 50.8 | 49.8 | 44.6 | 38.8 | 35.0 | 32.4 | 30.6 | 30.2 |
| 80° | 30.2 | 32.2 | 35.2 | 37.7 | 36.5 | 34.2 | 29.6 | 26.8 | 25.0 | 23.2 | 22.4 |
| 82.5° | 21.9 | 23.9 | 25.7 | 27.1 | 26.1 | 24.1 | 21.2 | 19.3 | 18.2 | 17.0 | 16.6 |
| 85° | 11.5 | 12.6 | 13.4 | 13.7 | 13.4 | 12.1 | 10.8 | 10.0 | 9.0 | 8.5 | 8.3 |
| 87.5° | 6.3 | 6.0 | 5.6 | 5.6 | 5.0 | 4.7 | 4.0 | 3.3 | 3.3 | 3.4 | 3.3 |
| 90° | 9.3 | 7.5 | 5.7 | 4.3 | 3.3 | 2.4 | 1.4 | 0.4 | 1.4 | 2.4 | 3.3 |
| 92.5° | 10.9 | 10.4 | 10.0 | 9.5 | 8.7 | 8.0 | 7.3 | 6.6 | 7.3 | 8.0 | 8.7 |
| 95° | 23.3 | 23.2 | 23.0 | 22.5 | 21.7 | 20.9 | 20.1 | 19.2 | 20.1 | 20.9 | 21.7 |
| 97.5° | 39.1 | 38.8 | 38.5 | 38.0 | 37.3 | 36.5 | 35.8 | 35.1 | 35.8 | 36.5 | 37.3 |
| 100° | 50.5 | 50.2 | 50.0 | 49.6 | 48.9 | 48.2 | 47.5 | 46.9 | 47.5 | 48.2 | 48.9 |
| 102.5° | 62.5 | 62.1 | 61.9 | 61.4 | 60.9 | 60.3 | 59.8 | 59.4 | 59.8 | 60.3 | 60.9 |
| 105° | 81.0 | 80.8 | 80.6 | 80.4 | 80.1 | 79.9 | 79.7 | 79.4 | 79.7 | 79.9 | 80.1 |
| 107.5° | 101.3 | 101.3 | 101.3 | 101.1 | 100.8 | 100.4 | 100.0 | 99.6 | 100.0 | 100.4 | 100.8 |
| 110° | 114.9 | 114.9 | 114.9 | 114.6 | 114.1 | 113.7 | 113.2 | 112.7 | 113.2 | 113.7 | 114.1 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 128.9 | 129.0 | 129.1 | 128.8 | 128.3 | 127.8 | 127.3 | 126.9 | 127.3 | 127.8 | 128.3 |
| 115° | 149.5 | 149.7 | 149.9 | 149.7 | 149.2 | 148.7 | 148.2 | 147.7 | 148.2 | 148.7 | 149.2 |
| 117.5° | 170.4 | 170.9 | 171.3 | 171.2 | 170.6 | 169.9 | 169.3 | 168.6 | 169.3 | 169.9 | 170.6 |
| 120° | 183.8 | 184.4 | 185.1 | 185.1 | 184.4 | 183.8 | 183.1 | 182.5 | 183.1 | 183.8 | 184.4 |
| 122.5° | 197.5 | 198.0 | 198.5 | 198.4 | 197.5 | 196.7 | 196.0 | 195.2 | 196.0 | 196.7 | 197.5 |
| 125° | 217.7 | 217.9 | 218.2 | 217.9 | 217.2 | 216.5 | 215.7 | 215.0 | 215.7 | 216.5 | 217.2 |
| 127.5° | 237.7 | 238.1 | 238.3 | 238.0 | 237.1 | 236.1 | 235.2 | 234.2 | 235.2 | 236.1 | 237.1 |
| 130° | 250.8 | 250.9 | 251.1 | 250.6 | 249.6 | 248.5 | 247.4 | 246.4 | 247.4 | 248.5 | 249.6 |
| 132.5° | 264.0 | 263.9 | 263.9 | 263.4 | 262.6 | 261.7 | 260.8 | 260.0 | 260.8 | 261.7 | 262.6 |
| 135° | 282.6 | 282.4 | 282.3 | 281.8 | 280.9 | 280.0 | 279.1 | 278.2 | 279.1 | 280.0 | 280.9 |
| 137.5° | 301.2 | 300.9 | 300.7 | 300.2 | 299.5 | 298.7 | 298.0 | 297.3 | 298.0 | 298.7 | 299.5 |
| 140° | 313.2 | 312.7 | 312.3 | 311.8 | 311.0 | 310.3 | 309.6 | 308.8 | 309.6 | 310.3 | 311.0 |
| 142.5° | 324.7 | 324.3 | 324.1 | 323.6 | 322.9 | 322.1 | 321.4 | 320.7 | 321.4 | 322.1 | 322.9 |
| 145° | 341.4 | 341.0 | 340.5 | 339.9 | 339.3 | 338.8 | 338.2 | 337.6 | 338.2 | 338.8 | 339.3 |
| 147.5° | 356.7 | 356.4 | 356.0 | 355.6 | 354.8 | 354.2 | 353.4 | 352.8 | 353.4 | 354.2 | 354.8 |
| 150° | 366.2 | 365.8 | 365.5 | 365.1 | 364.6 | 364.1 | 363.6 | 363.1 | 363.6 | 364.1 | 364.6 |
| 152.5° | 375.4 | 375.0 | 374.7 | 374.2 | 373.7 | 373.2 | 372.8 | 372.3 | 372.8 | 373.2 | 373.7 |
| 155° | 387.8 | 387.5 | 387.3 | 387.0 | 386.8 | 386.5 | 386.2 | 386.0 | 386.2 | 386.5 | 386.8 |
| 157.5° | 398.8 | 398.7 | 398.5 | 398.4 | 398.3 | 398.1 | 397.9 | 397.8 | 397.9 | 398.1 | 398.3 |
| 160° | 405.8 | 405.7 | 405.6 | 405.5 | 405.4 | 405.2 | 405.0 | 404.9 | 405.0 | 405.2 | 405.4 |
| 162.5° | 411.7 | 411.6 | 411.6 | 411.5 | 411.4 | 411.4 | 411.4 | 411.3 | 411.4 | 411.4 | 411.4 |
| 165° | 419.6 | 419.6 | 419.6 | 419.6 | 419.7 | 419.8 | 419.9 | 420.0 | 419.9 | 419.8 | 419.7 |
| 167.5° | 426.1 | 426.1 | 426.1 | 426.2 | 426.5 | 426.7 | 427.0 | 427.2 | 427.0 | 426.7 | 426.5 |
| 170° | 429.7 | 429.8 | 429.9 | 430.1 | 430.3 | 430.6 | 430.8 | 431.0 | 430.8 | 430.6 | 430.3 |
| 172.5° | 432.4 | 432.5 | 432.6 | 432.8 | 433.0 | 433.3 | 433.5 | 433.7 | 433.5 | 433.3 | 433.0 |
| 175° | 435.5 | 435.6 | 435.8 | 436.0 | 436.3 | 436.5 | 436.8 | 437.0 | 436.8 | 436.5 | 436.3 |
| 177.5° | 437.1 | 437.2 | 437.3 | 437.5 | 437.7 | 437.9 | 438.1 | 438.3 | 438.1 | 437.9 | 437.7 |
| 180° | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5° | 475.6 | 474.7 | 471.6 | 469.9 | 467.2 | 464.7 | 463.1 | 463.8 | 464.4 | 464.1 | 463.7 |
| 5° | 461.9 | 458.4 | 453.0 | 448.4 | 445.1 | 439.0 | 436.3 | 435.0 | 433.9 | 432.7 | 431.4 |
| 7.5° | 445.6 | 440.1 | 432.4 | 425.8 | 419.6 | 412.0 | 407.6 | 405.1 | 402.4 | 399.5 | 396.9 |
| 10° | 434.1 | 426.3 | 418.2 | 409.0 | 401.5 | 394.7 | 388.6 | 384.5 | 380.7 | 377.2 | 374.7 |
| 12.5° | 422.0 | 413.0 | 402.9 | 390.3 | 382.1 | 372.3 | 371.4 | 364.2 | 358.4 | 356.2 | 353.2 |
| 15° | 402.7 | 390.0 | 377.2 | 362.2 | 355.8 | 346.9 | 341.4 | 335.7 | 330.8 | 327.3 | 326.4 |
| 17.5° | 380.7 | 364.4 | 351.6 | 340.9 | 330.3 | 321.1 | 316.0 | 311.6 | 307.4 | 302.8 | 302.1 |
| 20° | 363.9 | 349.8 | 336.0 | 326.5 | 315.6 | 306.3 | 300.0 | 295.6 | 292.0 | 289.3 | 286.9 |
| 22.5° | 348.1 | 332.6 | 319.9 | 309.7 | 298.9 | 291.4 | 286.4 | 282.1 | 279.2 | 276.1 | 273.9 |
| 25° | 322.6 | 310.6 | 296.7 | 285.0 | 276.1 | 271.3 | 267.3 | 263.6 | 261.7 | 259.7 | 257.1 |
| 27.5° | 300.4 | 287.0 | 274.0 | 265.0 | 257.1 | 252.9 | 250.0 | 247.4 | 245.7 | 244.5 | 243.0 |
| 30° | 284.7 | 271.2 | 261.0 | 252.1 | 245.6 | 241.3 | 239.5 | 238.0 | 235.9 | 235.2 | 234.5 |
| 32.5° | 269.5 | 257.4 | 248.7 | 240.9 | 234.8 | 232.0 | 230.3 | 228.9 | 227.4 | 226.7 | 225.1 |
| 35° | 248.2 | 238.0 | 229.5 | 225.2 | 220.2 | 217.8 | 216.5 | 214.7 | 213.2 | 212.5 | 212.2 |
| 37.5° | 228.0 | 219.2 | 213.6 | 208.1 | 206.0 | 204.6 | 202.8 | 201.5 | 201.1 | 201.0 | 200.7 |
| 40° | 215.0 | 207.8 | 202.8 | 198.4 | 197.5 | 195.2 | 193.7 | 192.7 | 192.7 | 192.8 | 192.7 |
| 42.5° | 203.2 | 196.7 | 192.2 | 188.4 | 187.4 | 186.1 | 184.5 | 184.5 | 184.7 | 185.4 | 184.7 |
| 45° | 185.2 | 180.6 | 177.4 | 175.6 | 173.6 | 172.3 | 172.0 | 172.6 | 172.8 | 173.0 | 173.6 |
| 47.5° | 168.7 | 165.6 | 162.7 | 160.7 | 159.8 | 159.6 | 159.4 | 160.4 | 161.3 | 161.6 | 162.4 |
| 50° | 158.9 | 155.4 | 153.0 | 151.6 | 150.9 | 150.6 | 150.9 | 152.1 | 152.8 | 153.7 | 154.3 |
| 52.5° | 148.0 | 145.4 | 143.8 | 142.8 | 142.5 | 142.8 | 142.8 | 144.1 | 145.2 | 145.6 | 145.9 |
| 55° | 132.8 | 130.9 | 130.6 | 128.9 | 129.6 | 129.5 | 130.4 | 131.1 | 132.2 | 133.4 | 133.5 |
| 57.5° | 117.6 | 116.2 | 115.2 | 115.4 | 115.6 | 116.4 | 117.2 | 118.5 | 119.6 | 120.8 | 120.9 |
| 60° | 107.6 | 106.9 | 106.3 | 106.3 | 106.6 | 107.8 | 108.7 | 110.0 | 110.7 | 111.5 | 112.0 |
| 62.5° | 98.4 | 97.7 | 97.1 | 97.4 | 98.4 | 99.1 | 100.1 | 100.9 | 101.6 | 102.3 | 102.6 |
| 65° | 83.9 | 83.6 | 84.1 | 84.5 | 84.6 | 85.5 | 86.8 | 87.4 | 88.1 | 88.5 | 89.8 |
| 67.5° | 70.5 | 70.6 | 70.5 | 71.0 | 72.2 | 72.3 | 73.5 | 74.8 | 75.0 | 75.7 | 76.6 |
| 70° | 61.5 | 61.9 | 62.2 | 62.6 | 63.5 | 63.9 | 64.8 | 65.4 | 66.1 | 66.7 | 67.3 |
| 72.5° | 53.2 | 53.2 | 53.6 | 53.6 | 54.4 | 55.1 | 55.9 | 56.5 | 57.2 | 58.0 | 58.5 |
| 75° | 40.9 | 40.9 | 41.3 | 41.5 | 42.4 | 43.4 | 43.1 | 43.5 | 44.3 | 45.0 | 45.4 |
| 77.5° | 29.9 | 29.5 | 29.9 | 30.1 | 30.4 | 31.1 | 31.3 | 31.8 | 32.7 | 32.4 | 32.9 |
| 80° | 22.7 | 22.3 | 22.7 | 23.0 | 23.0 | 23.9 | 23.9 | 24.3 | 24.8 | 24.3 | 24.8 |
| 82.5° | 16.2 | 16.0 | 16.4 | 16.5 | 16.7 | 16.8 | 17.0 | 17.1 | 17.7 | 17.4 | 17.7 |
| 85° | 8.2 | 8.0 | 8.2 | 8.0 | 8.2 | 8.3 | 8.3 | 8.2 | 8.2 | 8.5 | 8.0 |
| 87.5° | 3.3 | 3.5 | 3.8 | 4.1 | 4.3 | 4.5 | 4.3 | 4.3 | 4.2 | 3.9 | 3.9 |
| 90° | 4.3 | 5.7 | 7.5 | 9.3 | 11.1 | 13.0 | 12.8 | 12.6 | 12.5 | 12.3 | 12.2 |
| 92.5° | 9.5 | 10.0 | 10.4 | 10.9 | 11.3 | 11.7 | 11.7 | 11.8 | 11.8 | 11.9 | 11.9 |
| 95° | 22.5 | 23.0 | 23.2 | 23.3 | 23.5 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 |
| 97.5° | 38.0 | 38.5 | 38.8 | 39.1 | 39.5 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| 100° | 49.6 | 50.0 | 50.2 | 50.5 | 50.7 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| 102.5° | 61.4 | 61.9 | 62.1 | 62.5 | 62.8 | 63.1 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 |
| 105° | 80.4 | 80.6 | 80.8 | 81.0 | 81.1 | 81.3 | 81.4 | 81.6 | 81.8 | 81.9 | 82.0 |
| 107.5° | 101.1 | 101.3 | 101.3 | 101.3 | 101.3 | 101.3 | 101.3 | 101.4 | 101.5 | 101.6 | 101.4 |
| 110° | 114.6 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.7 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 128.8 | 129.1 | 129.0 | 128.9 | 128.8 | 128.7 | 128.6 | 128.4 | 128.2 | 128.0 | 127.8 |
| 115° | 149.7 | 149.9 | 149.7 | 149.5 | 149.4 | 149.2 | 149.1 | 149.0 | 149.0 | 148.9 | 148.7 |
| 117.5° | 171.2 | 171.3 | 170.9 | 170.4 | 169.9 | 169.5 | 169.3 | 169.1 | 168.8 | 168.7 | 168.4 |
| 120° | 185.1 | 185.1 | 184.4 | 183.8 | 183.1 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.4 |
| 122.5° | 198.4 | 198.5 | 198.0 | 197.5 | 197.1 | 196.7 | 196.5 | 196.2 | 196.1 | 195.8 | 195.7 |
| 125° | 217.9 | 218.2 | 217.9 | 217.7 | 217.4 | 217.2 | 217.0 | 216.7 | 216.5 | 216.2 | 216.1 |
| 127.5° | 238.0 | 238.3 | 238.1 | 237.7 | 237.4 | 237.2 | 236.8 | 236.5 | 236.3 | 235.9 | 235.7 |
| 130° | 250.6 | 251.1 | 250.9 | 250.8 | 250.6 | 250.5 | 250.3 | 250.1 | 250.0 | 249.8 | 249.6 |
| 132.5° | 263.4 | 263.9 | 263.9 | 264.0 | 264.0 | 264.0 | 263.7 | 263.3 | 262.9 | 262.6 | 262.3 |
| 135° | 281.8 | 282.3 | 282.4 | 282.6 | 282.7 | 282.9 | 282.8 | 282.7 | 282.7 | 282.6 | 282.4 |
| 137.5° | 300.2 | 300.7 | 300.9 | 301.2 | 301.3 | 301.6 | 301.5 | 301.4 | 301.3 | 301.3 | 301.1 |
| 140° | 311.8 | 312.3 | 312.7 | 313.2 | 313.6 | 314.0 | 314.0 | 314.0 | 314.0 | 314.0 | 313.8 |
| 142.5° | 323.6 | 324.1 | 324.3 | 324.7 | 324.9 | 325.2 | 325.3 | 325.3 | 325.4 | 325.5 | 325.3 |
| 145° | 339.9 | 340.5 | 341.0 | 341.4 | 341.9 | 342.4 | 342.5 | 342.6 | 342.7 | 342.8 | 342.6 |
| 147.5° | 355.6 | 356.0 | 356.4 | 356.7 | 357.0 | 357.3 | 357.5 | 357.7 | 357.9 | 358.1 | 358.0 |
| 150° | 365.1 | 365.5 | 365.8 | 366.2 | 366.5 | 366.8 | 367.0 | 367.3 | 367.5 | 367.8 | 367.8 |
| 152.5° | 374.2 | 374.7 | 375.0 | 375.4 | 375.9 | 376.3 | 376.6 | 376.8 | 377.2 | 377.5 | 377.5 |
| 155° | 387.0 | 387.3 | 387.5 | 387.8 | 388.0 | 388.2 | 388.7 | 389.1 | 389.5 | 389.9 | 390.0 |
| 157.5° | 398.4 | 398.5 | 398.7 | 398.8 | 399.0 | 399.2 | 399.7 | 400.2 | 400.8 | 401.4 | 401.5 |
| 160° | 405.5 | 405.6 | 405.7 | 405.8 | 405.9 | 405.9 | 406.4 | 406.9 | 407.4 | 407.9 | 408.0 |
| 162.5° | 411.5 | 411.6 | 411.6 | 411.7 | 411.8 | 411.9 | 412.4 | 412.9 | 413.5 | 414.1 | 414.2 |
| 165° | 419.6 | 419.6 | 419.6 | 419.6 | 419.6 | 419.6 | 420.2 | 420.8 | 421.3 | 421.9 | 422.0 |
| 167.5° | 426.2 | 426.1 | 426.1 | 426.1 | 426.1 | 426.1 | 426.6 | 427.2 | 427.8 | 428.4 | 428.4 |
| 170° | 430.1 | 429.9 | 429.8 | 429.7 | 429.7 | 429.6 | 430.2 | 430.7 | 431.3 | 431.9 | 431.9 |
| 172.5° | 432.8 | 432.6 | 432.5 | 432.4 | 432.4 | 432.3 | 432.8 | 433.4 | 434.0 | 434.6 | 434.6 |
| 175° | 436.0 | 435.8 | 435.6 | 435.5 | 435.3 | 435.1 | 435.7 | 436.3 | 436.8 | 437.4 | 437.5 |
| 177.5° | 437.5 | 437.3 | 437.2 | 437.1 | 436.9 | 436.8 | 437.2 | 437.7 | 438.0 | 438.4 | 438.4 |
| 180° | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5° | 462.2 | 461.9 | 461.9 | 460.6 | 461.9 | 461.9 | 462.2 | 463.7 | 464.1 | 464.4 | 463.8 |
| 5° | 428.8 | 428.2 | 427.3 | 428.2 | 427.3 | 428.2 | 428.8 | 431.4 | 432.7 | 433.9 | 435.0 |
| 7.5° | 395.7 | 393.5 | 393.1 | 390.9 | 393.1 | 393.5 | 395.7 | 396.9 | 399.5 | 402.4 | 405.1 |
| 10° | 371.5 | 370.1 | 369.8 | 366.3 | 369.8 | 370.1 | 371.5 | 374.7 | 377.2 | 380.7 | 384.5 |
| 12.5° | 353.2 | 349.6 | 350.3 | 348.3 | 350.3 | 349.6 | 353.2 | 353.2 | 356.2 | 358.4 | 364.2 |
| 15° | 321.3 | 321.3 | 320.6 | 317.5 | 320.6 | 321.3 | 321.3 | 326.4 | 327.3 | 330.8 | 335.7 |
| 17.5° | 298.5 | 298.1 | 296.4 | 297.3 | 296.4 | 298.1 | 298.5 | 302.1 | 302.8 | 307.4 | 311.6 |
| 20° | 284.9 | 283.7 | 281.5 | 281.5 | 281.5 | 283.7 | 284.9 | 286.9 | 289.3 | 292.0 | 295.6 |
| 22.5° | 272.0 | 271.9 | 269.5 | 270.3 | 269.5 | 271.9 | 272.0 | 273.9 | 276.1 | 279.2 | 282.1 |
| 25° | 256.9 | 255.4 | 254.3 | 254.9 | 254.3 | 255.4 | 256.9 | 257.1 | 259.7 | 261.7 | 263.6 |
| 27.5° | 242.6 | 241.7 | 241.7 | 240.2 | 241.7 | 241.7 | 242.6 | 243.0 | 244.5 | 245.7 | 247.4 |
| 30° | 234.3 | 232.4 | 232.8 | 231.9 | 232.8 | 232.4 | 234.3 | 234.5 | 235.2 | 235.9 | 238.0 |
| 32.5° | 224.8 | 224.1 | 223.8 | 223.0 | 223.8 | 224.1 | 224.8 | 225.1 | 226.7 | 227.4 | 228.9 |
| 35° | 211.9 | 212.1 | 211.2 | 211.5 | 211.2 | 212.1 | 211.9 | 212.2 | 212.5 | 213.2 | 214.7 |
| 37.5° | 200.6 | 201.1 | 200.7 | 200.8 | 200.7 | 201.1 | 200.6 | 200.7 | 201.0 | 201.1 | 201.5 |
| 40° | 193.1 | 193.1 | 193.1 | 193.7 | 193.1 | 193.1 | 193.1 | 192.7 | 192.8 | 192.7 | 192.7 |
| 42.5° | 186.1 | 185.7 | 185.5 | 185.4 | 185.5 | 185.7 | 186.1 | 184.7 | 185.4 | 184.7 | 184.5 |
| 45° | 173.9 | 174.5 | 174.6 | 173.7 | 174.6 | 174.5 | 173.9 | 173.6 | 173.0 | 172.8 | 172.6 |
| 47.5° | 162.9 | 163.0 | 162.9 | 163.7 | 162.9 | 163.0 | 162.9 | 162.4 | 161.6 | 161.3 | 160.4 |
| 50° | 155.2 | 154.8 | 155.2 | 154.8 | 155.2 | 154.8 | 155.2 | 154.3 | 153.7 | 152.8 | 152.1 |
| 52.5° | 147.1 | 147.2 | 146.9 | 146.8 | 146.9 | 147.2 | 147.1 | 145.9 | 145.6 | 145.2 | 144.1 |
| 55° | 134.3 | 134.6 | 134.4 | 134.4 | 134.4 | 134.6 | 134.3 | 133.5 | 133.4 | 132.2 | 131.1 |
| 57.5° | 121.1 | 121.4 | 121.6 | 120.8 | 121.6 | 121.4 | 121.1 | 120.9 | 120.8 | 119.6 | 118.5 |
| 60° | 111.9 | 112.8 | 112.6 | 112.3 | 112.6 | 112.8 | 111.9 | 112.0 | 111.5 | 110.7 | 110.0 |
| 62.5° | 103.4 | 103.8 | 103.7 | 103.6 | 103.7 | 103.8 | 103.4 | 102.6 | 102.3 | 101.6 | 100.9 |
| 65° | 90.4 | 90.7 | 90.2 | 90.7 | 90.2 | 90.7 | 90.4 | 89.8 | 88.5 | 88.1 | 87.4 |
| 67.5° | 76.3 | 76.5 | 76.9 | 77.1 | 76.9 | 76.5 | 76.3 | 76.6 | 75.7 | 75.0 | 74.8 |
| 70° | 67.6 | 67.4 | 68.0 | 68.6 | 68.0 | 67.4 | 67.6 | 67.3 | 66.7 | 66.1 | 65.4 |
| 72.5° | 58.4 | 58.8 | 58.6 | 59.0 | 58.6 | 58.8 | 58.4 | 58.5 | 58.0 | 57.2 | 56.5 |
| 75° | 45.0 | 45.6 | 45.4 | 45.9 | 45.4 | 45.6 | 45.0 | 45.4 | 45.0 | 44.3 | 43.5 |
| 77.5° | 32.5 | 32.6 | 32.5 | 32.9 | 32.5 | 32.6 | 32.5 | 32.9 | 32.4 | 32.7 | 31.8 |
| 80° | 24.8 | 24.5 | 24.1 | 24.8 | 24.1 | 24.5 | 24.8 | 24.8 | 24.3 | 24.8 | 24.3 |
| 82.5° | 17.3 | 17.4 | 17.1 | 17.1 | 17.1 | 17.4 | 17.3 | 17.7 | 17.4 | 17.7 | 17.1 |
| 85° | 8.0 | 7.7 | 7.4 | 7.4 | 7.4 | 7.7 | 8.0 | 8.0 | 8.5 | 8.2 | 8.2 |
| 87.5° | 3.9 | 3.8 | 3.8 | 3.7 | 3.8 | 3.8 | 3.9 | 3.9 | 3.9 | 4.2 | 4.3 |
| 90° | 12.3 | 12.4 | 12.5 | 12.6 | 12.5 | 12.4 | 12.3 | 12.2 | 12.3 | 12.5 | 12.6 |
| 92.5° | 11.9 | 11.9 | 12.0 | 12.0 | 12.0 | 11.9 | 11.9 | 11.9 | 11.9 | 11.8 | 11.8 |
| 95° | 23.4 | 23.2 | 23.1 | 22.9 | 23.1 | 23.2 | 23.4 | 23.6 | 23.6 | 23.6 | 23.6 |
| 97.5° | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| 100° | 50.9 | 50.8 | 50.7 | 50.6 | 50.7 | 50.8 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 |
| 102.5° | 63.3 | 63.2 | 63.1 | 63.0 | 63.1 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.2 |
| 105° | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 81.9 | 81.8 | 81.6 |
| 107.5° | 101.0 | 100.6 | 100.3 | 99.9 | 100.3 | 100.6 | 101.0 | 101.4 | 101.6 | 101.5 | 101.4 |
| 110° | 114.5 | 114.2 | 114.0 | 113.7 | 114.0 | 114.2 | 114.5 | 114.7 | 114.9 | 114.9 | 114.9 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 127.6 | 127.4 | 127.3 | 127.1 | 127.3 | 127.4 | 127.6 | 127.8 | 128.0 | 128.2 | 128.4 |
| 115° | 148.5 | 148.2 | 148.0 | 147.7 | 148.0 | 148.2 | 148.5 | 148.7 | 148.9 | 149.0 | 149.0 |
| 117.5° | 168.2 | 168.0 | 167.7 | 167.5 | 167.7 | 168.0 | 168.2 | 168.4 | 168.7 | 168.8 | 169.1 |
| 120° | 182.1 | 181.9 | 181.6 | 181.4 | 181.6 | 181.9 | 182.1 | 182.4 | 182.5 | 182.5 | 182.5 |
| 122.5° | 195.5 | 195.3 | 195.1 | 194.9 | 195.1 | 195.3 | 195.5 | 195.7 | 195.8 | 196.1 | 196.2 |
| 125° | 216.0 | 215.9 | 215.8 | 215.7 | 215.8 | 215.9 | 216.0 | 216.1 | 216.2 | 216.5 | 216.7 |
| 127.5° | 235.4 | 235.1 | 234.9 | 234.6 | 234.9 | 235.1 | 235.4 | 235.7 | 235.9 | 236.3 | 236.5 |
| 130° | 249.2 | 248.9 | 248.6 | 248.3 | 248.6 | 248.9 | 249.2 | 249.6 | 249.8 | 250.0 | 250.1 |
| 132.5° | 262.0 | 261.7 | 261.5 | 261.2 | 261.5 | 261.7 | 262.0 | 262.3 | 262.6 | 262.9 | 263.3 |
| 135° | 282.2 | 281.9 | 281.7 | 281.4 | 281.7 | 281.9 | 282.2 | 282.4 | 282.6 | 282.7 | 282.7 |
| 137.5° | 300.8 | 300.4 | 300.1 | 299.8 | 300.1 | 300.4 | 300.8 | 301.1 | 301.3 | 301.3 | 301.4 |
| 140° | 313.5 | 313.2 | 312.8 | 312.5 | 312.8 | 313.2 | 313.5 | 313.8 | 314.0 | 314.0 | 314.0 |
| 142.5° | 325.0 | 324.7 | 324.3 | 324.0 | 324.3 | 324.7 | 325.0 | 325.3 | 325.5 | 325.4 | 325.3 |
| 145° | 342.3 | 341.9 | 341.6 | 341.3 | 341.6 | 341.9 | 342.3 | 342.6 | 342.8 | 342.7 | 342.6 |
| 147.5° | 357.7 | 357.3 | 357.0 | 356.8 | 357.0 | 357.3 | 357.7 | 358.0 | 358.1 | 357.9 | 357.7 |
| 150° | 367.5 | 367.3 | 367.0 | 366.8 | 367.0 | 367.3 | 367.5 | 367.8 | 367.8 | 367.5 | 367.3 |
| 152.5° | 377.2 | 376.8 | 376.6 | 376.3 | 376.6 | 376.8 | 377.2 | 377.5 | 377.5 | 377.2 | 376.8 |
| 155° | 389.7 | 389.5 | 389.2 | 389.0 | 389.2 | 389.5 | 389.7 | 390.0 | 389.9 | 389.5 | 389.1 |
| 157.5° | 401.0 | 400.6 | 400.3 | 399.9 | 400.3 | 400.6 | 401.0 | 401.5 | 401.4 | 400.8 | 400.2 |
| 160° | 407.6 | 407.3 | 407.0 | 406.7 | 407.0 | 407.3 | 407.6 | 408.0 | 407.9 | 407.4 | 406.9 |
| 162.5° | 413.8 | 413.4 | 412.9 | 412.6 | 412.9 | 413.4 | 413.8 | 414.2 | 414.1 | 413.5 | 412.9 |
| 165° | 421.6 | 421.2 | 420.8 | 420.4 | 420.8 | 421.2 | 421.6 | 422.0 | 421.9 | 421.3 | 420.8 |
| 167.5° | 428.0 | 427.5 | 427.1 | 426.7 | 427.1 | 427.5 | 428.0 | 428.4 | 428.4 | 427.8 | 427.2 |
| 170° | 431.5 | 431.0 | 430.5 | 430.0 | 430.5 | 431.0 | 431.5 | 431.9 | 431.9 | 431.3 | 430.7 |
| 172.5° | 434.1 | 433.6 | 433.1 | 432.6 | 433.1 | 433.6 | 434.1 | 434.6 | 434.6 | 434.0 | 433.4 |
| 175° | 437.0 | 436.5 | 436.0 | 435.5 | 436.0 | 436.5 | 437.0 | 437.5 | 437.4 | 436.8 | 436.3 |
| 177.5° | 438.0 | 437.7 | 437.2 | 436.8 | 437.2 | 437.7 | 438.0 | 438.4 | 438.4 | 438.0 | 437.7 |
| 180° | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5° | 463.1 | 464.7 | 467.2 | 469.9 | 471.6 | 474.7 | 475.6 | 477.0 | 478.3 | 481.4 | 484.7 |
| 5° | 436.3 | 439.0 | 445.1 | 448.4 | 453.0 | 458.4 | 461.9 | 465.6 | 469.7 | 476.7 | 483.2 |
| 7.5° | 407.6 | 412.0 | 419.6 | 425.8 | 432.4 | 440.1 | 445.6 | 453.0 | 459.1 | 469.0 | 478.5 |
| 10° | 388.6 | 394.7 | 401.5 | 409.0 | 418.2 | 426.3 | 434.1 | 443.4 | 450.8 | 462.7 | 473.8 |
| 12.5° | 371.4 | 372.3 | 382.1 | 390.3 | 402.9 | 413.0 | 422.0 | 433.9 | 441.2 | 455.3 | 466.9 |
| 15° | 341.4 | 346.9 | 355.8 | 362.2 | 377.2 | 390.0 | 402.7 | 415.1 | 423.4 | 440.8 | 456.2 |
| 17.5° | 316.0 | 321.1 | 330.3 | 340.9 | 351.6 | 364.4 | 380.7 | 393.8 | 405.1 | 425.0 | 443.2 |
| 20° | 300.0 | 306.3 | 315.6 | 326.5 | 336.0 | 349.8 | 363.9 | 379.0 | 391.2 | 413.6 | 434.9 |
| 22.5° | 286.4 | 291.4 | 298.9 | 309.7 | 319.9 | 332.6 | 348.1 | 364.4 | 377.2 | 401.5 | 423.0 |
| 25° | 267.3 | 271.3 | 276.1 | 285.0 | 296.7 | 310.6 | 322.6 | 340.6 | 359.3 | 381.9 | 408.0 |
| 27.5° | 250.0 | 252.9 | 257.1 | 265.0 | 274.0 | 287.0 | 300.4 | 317.4 | 336.2 | 360.8 | 388.3 |
| 30° | 239.5 | 241.3 | 245.6 | 252.1 | 261.0 | 271.2 | 284.7 | 300.9 | 320.2 | 345.0 | 372.4 |
| 32.5° | 230.3 | 232.0 | 234.8 | 240.9 | 248.7 | 257.4 | 269.5 | 285.8 | 304.2 | 328.6 | 359.0 |
| 35° | 216.5 | 217.8 | 220.2 | 225.2 | 229.5 | 238.0 | 248.2 | 263.0 | 280.2 | 303.5 | 335.0 |
| 37.5° | 202.8 | 204.6 | 206.0 | 208.1 | 213.6 | 219.2 | 228.0 | 240.6 | 257.5 | 281.0 | 311.0 |
| 40° | 193.7 | 195.2 | 197.5 | 198.4 | 202.8 | 207.8 | 215.0 | 226.5 | 243.5 | 265.1 | 294.3 |
| 42.5° | 184.5 | 186.1 | 187.4 | 188.4 | 192.2 | 196.7 | 203.2 | 213.0 | 228.1 | 249.0 | 278.0 |
| 45° | 172.0 | 172.3 | 173.6 | 175.6 | 177.4 | 180.6 | 185.2 | 193.7 | 205.4 | 225.0 | 251.4 |
| 47.5° | 159.4 | 159.6 | 159.8 | 160.7 | 162.7 | 165.6 | 168.7 | 175.6 | 186.1 | 201.7 | 227.3 |
| 50° | 150.9 | 150.6 | 150.9 | 151.6 | 153.0 | 155.4 | 158.9 | 163.9 | 172.4 | 187.0 | 210.6 |
| 52.5° | 142.8 | 142.8 | 142.5 | 142.8 | 143.8 | 145.4 | 148.0 | 152.2 | 159.8 | 173.3 | 194.0 |
| 55° | 130.4 | 129.5 | 129.6 | 128.9 | 130.6 | 130.9 | 132.8 | 136.3 | 143.0 | 152.2 | 171.7 |
| 57.5° | 117.2 | 116.4 | 115.6 | 115.4 | 115.2 | 116.2 | 117.6 | 120.4 | 125.6 | 133.7 | 149.4 |
| 60° | 108.7 | 107.8 | 106.6 | 106.3 | 106.3 | 106.9 | 107.6 | 109.7 | 114.5 | 121.6 | 134.6 |
| 62.5° | 100.1 | 99.1 | 98.4 | 97.4 | 97.1 | 97.7 | 98.4 | 99.9 | 103.4 | 110.1 | 121.3 |
| 65° | 86.8 | 85.5 | 84.6 | 84.5 | 84.1 | 83.6 | 83.9 | 85.4 | 88.1 | 93.5 | 102.4 |
| 67.5° | 73.5 | 72.3 | 72.2 | 71.0 | 70.5 | 70.6 | 70.5 | 71.7 | 73.5 | 78.1 | 84.7 |
| 70° | 64.8 | 63.9 | 63.5 | 62.6 | 62.2 | 61.9 | 61.5 | 62.6 | 64.2 | 68.2 | 73.9 |
| 72.5° | 55.9 | 55.1 | 54.4 | 53.6 | 53.6 | 53.2 | 53.2 | 53.9 | 55.2 | 58.8 | 63.3 |
| 75° | 43.1 | 43.4 | 42.4 | 41.5 | 41.3 | 40.9 | 40.9 | 41.5 | 42.1 | 44.8 | 48.3 |
| 77.5° | 31.3 | 31.1 | 30.4 | 30.1 | 29.9 | 29.5 | 29.9 | 30.2 | 30.6 | 32.4 | 35.0 |
| 80° | 23.9 | 23.9 | 23.0 | 23.0 | 22.7 | 22.3 | 22.7 | 22.4 | 23.2 | 25.0 | 26.8 |
| 82.5° | 17.0 | 16.8 | 16.7 | 16.5 | 16.4 | 16.0 | 16.2 | 16.6 | 17.0 | 18.2 | 19.3 |
| 85° | 8.3 | 8.3 | 8.2 | 8.0 | 8.2 | 8.0 | 8.2 | 8.3 | 8.5 | 9.0 | 10.0 |
| 87.5° | 4.3 | 4.5 | 4.3 | 4.1 | 3.8 | 3.5 | 3.3 | 3.3 | 3.4 | 3.3 | 3.3 |
| 90° | 12.8 | 13.0 | 11.1 | 9.3 | 7.5 | 5.7 | 4.3 | 3.3 | 2.4 | 1.4 | 0.4 |
| 92.5° | 11.7 | 11.7 | 11.3 | 10.9 | 10.4 | 10.0 | 9.5 | 8.7 | 8.0 | 7.3 | 6.6 |
| 95° | 23.6 | 23.6 | 23.5 | 23.3 | 23.2 | 23.0 | 22.5 | 21.7 | 20.9 | 20.1 | 19.2 |
| 97.5° | 39.7 | 39.7 | 39.5 | 39.1 | 38.8 | 38.5 | 38.0 | 37.3 | 36.5 | 35.8 | 35.1 |
| 100° | 51.0 | 51.0 | 50.7 | 50.5 | 50.2 | 50.0 | 49.6 | 48.9 | 48.2 | 47.5 | 46.9 |
| 102.5° | 63.2 | 63.1 | 62.8 | 62.5 | 62.1 | 61.9 | 61.4 | 60.9 | 60.3 | 59.8 | 59.4 |
| 105° | 81.4 | 81.3 | 81.1 | 81.0 | 80.8 | 80.6 | 80.4 | 80.1 | 79.9 | 79.7 | 79.4 |
| 107.5° | 101.3 | 101.3 | 101.3 | 101.3 | 101.3 | 101.3 | 101.1 | 100.8 | 100.4 | 100.0 | 99.6 |
| 110° | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.6 | 114.1 | 113.7 | 113.2 | 112.7 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 128.6 | 128.7 | 128.8 | 128.9 | 129.0 | 129.1 | 128.8 | 128.3 | 127.8 | 127.3 | 126.9 |
| 115° | 149.1 | 149.2 | 149.4 | 149.5 | 149.7 | 149.9 | 149.7 | 149.2 | 148.7 | 148.2 | 147.7 |
| 117.5° | 169.3 | 169.5 | 169.9 | 170.4 | 170.9 | 171.3 | 171.2 | 170.6 | 169.9 | 169.3 | 168.6 |
| 120° | 182.5 | 182.5 | 183.1 | 183.8 | 184.4 | 185.1 | 185.1 | 184.4 | 183.8 | 183.1 | 182.5 |
| 122.5° | 196.5 | 196.7 | 197.1 | 197.5 | 198.0 | 198.5 | 198.4 | 197.5 | 196.7 | 196.0 | 195.2 |
| 125° | 217.0 | 217.2 | 217.4 | 217.7 | 217.9 | 218.2 | 217.9 | 217.2 | 216.5 | 215.7 | 215.0 |
| 127.5° | 236.8 | 237.2 | 237.4 | 237.7 | 238.1 | 238.3 | 238.0 | 237.1 | 236.1 | 235.2 | 234.2 |
| 130° | 250.3 | 250.5 | 250.6 | 250.8 | 250.9 | 251.1 | 250.6 | 249.6 | 248.5 | 247.4 | 246.4 |
| 132.5° | 263.7 | 264.0 | 264.0 | 264.0 | 263.9 | 263.9 | 263.4 | 262.6 | 261.7 | 260.8 | 260.0 |
| 135° | 282.8 | 282.9 | 282.7 | 282.6 | 282.4 | 282.3 | 281.8 | 280.9 | 280.0 | 279.1 | 278.2 |
| 137.5° | 301.5 | 301.6 | 301.3 | 301.2 | 300.9 | 300.7 | 300.2 | 299.5 | 298.7 | 298.0 | 297.3 |
| 140° | 314.0 | 314.0 | 313.6 | 313.2 | 312.7 | 312.3 | 311.8 | 311.0 | 310.3 | 309.6 | 308.8 |
| 142.5° | 325.3 | 325.2 | 324.9 | 324.7 | 324.3 | 324.1 | 323.6 | 322.9 | 322.1 | 321.4 | 320.7 |
| 145° | 342.5 | 342.4 | 341.9 | 341.4 | 341.0 | 340.5 | 339.9 | 339.3 | 338.8 | 338.2 | 337.6 |
| 147.5° | 357.5 | 357.3 | 357.0 | 356.7 | 356.4 | 356.0 | 355.6 | 354.8 | 354.2 | 353.4 | 352.8 |
| 150° | 367.0 | 366.8 | 366.5 | 366.2 | 365.8 | 365.5 | 365.1 | 364.6 | 364.1 | 363.6 | 363.1 |
| 152.5° | 376.6 | 376.3 | 375.9 | 375.4 | 375.0 | 374.7 | 374.2 | 373.7 | 373.2 | 372.8 | 372.3 |
| 155° | 388.7 | 388.2 | 388.0 | 387.8 | 387.5 | 387.3 | 387.0 | 386.8 | 386.5 | 386.2 | 386.0 |
| 157.5° | 399.7 | 399.2 | 399.0 | 398.8 | 398.7 | 398.5 | 398.4 | 398.3 | 398.1 | 397.9 | 397.8 |
| 160° | 406.4 | 405.9 | 405.9 | 405.8 | 405.7 | 405.6 | 405.5 | 405.4 | 405.2 | 405.0 | 404.9 |
| 162.5° | 412.4 | 411.9 | 411.8 | 411.7 | 411.6 | 411.6 | 411.5 | 411.4 | 411.4 | 411.4 | 411.3 |
| 165° | 420.2 | 419.6 | 419.6 | 419.6 | 419.6 | 419.6 | 419.6 | 419.7 | 419.8 | 419.9 | 420.0 |
| 167.5° | 426.6 | 426.1 | 426.1 | 426.1 | 426.1 | 426.1 | 426.2 | 426.5 | 426.7 | 427.0 | 427.2 |
| 170° | 430.2 | 429.6 | 429.7 | 429.7 | 429.8 | 429.9 | 430.1 | 430.3 | 430.6 | 430.8 | 431.0 |
| 172.5° | 432.8 | 432.3 | 432.4 | 432.4 | 432.5 | 432.6 | 432.8 | 433.0 | 433.3 | 433.5 | 433.7 |
| 175° | 435.7 | 435.1 | 435.3 | 435.5 | 435.6 | 435.8 | 436.0 | 436.3 | 436.5 | 436.8 | 437.0 |
| 177.5° | 437.2 | 436.8 | 436.9 | 437.1 | 437.2 | 437.3 | 437.5 | 437.7 | 437.9 | 438.1 | 438.3 |
| 180° | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5° | 484.5 | 485.2 | 487.5 | 489.9 | 492.6 | 493.3 | 494.5 | 493.5 | 493.2 | 495.9 | 498.1 |
| 5° | 485.8 | 489.1 | 495.6 | 501.6 | 506.5 | 510.1 | 513.8 | 515.3 | 518.0 | 521.9 | 526.8 |
| 7.5° | 484.2 | 490.7 | 500.9 | 509.6 | 518.9 | 525.7 | 531.0 | 535.6 | 541.0 | 548.4 | 556.4 |
| 10° | 482.5 | 491.1 | 503.6 | 514.1 | 525.6 | 534.3 | 541.5 | 548.6 | 556.8 | 567.0 | 577.5 |
| 12.5° | 479.2 | 489.5 | 505.1 | 517.6 | 532.3 | 540.9 | 550.6 | 565.7 | 574.5 | 588.7 | 603.6 |
| 15° | 472.6 | 484.1 | 505.8 | 521.1 | 537.9 | 554.2 | 572.1 | 586.5 | 601.0 | 609.4 | 630.2 |
| 17.5° | 462.9 | 479.7 | 503.8 | 521.7 | 542.9 | 568.5 | 588.7 | 605.1 | 621.7 | 635.3 | 645.8 |
| 20° | 455.0 | 473.4 | 500.8 | 522.3 | 547.5 | 575.0 | 598.2 | 614.9 | 629.3 | 640.7 | 647.1 |
| 22.5° | 445.2 | 468.2 | 494.9 | 520.1 | 552.2 | 579.5 | 603.8 | 616.9 | 629.0 | 634.5 | 637.1 |
| 25° | 429.5 | 457.3 | 487.5 | 518.2 | 554.5 | 583.4 | 605.6 | 613.6 | 617.1 | 611.7 | 602.8 |
| 27.5° | 412.6 | 443.6 | 478.9 | 514.7 | 553.1 | 580.9 | 596.8 | 595.6 | 589.6 | 572.2 | 558.3 |
| 30° | 400.1 | 434.1 | 472.1 | 511.2 | 549.7 | 576.7 | 586.0 | 576.7 | 563.2 | 543.8 | 523.9 |
| 32.5° | 386.9 | 422.2 | 464.8 | 506.1 | 543.5 | 567.3 | 569.2 | 553.3 | 532.4 | 510.3 | 485.6 |
| 35° | 366.9 | 405.0 | 451.2 | 494.9 | 530.3 | 545.3 | 536.4 | 508.2 | 483.4 | 453.2 | 419.5 |
| 37.5° | 344.3 | 386.5 | 432.7 | 478.4 | 510.5 | 514.4 | 492.3 | 462.7 | 427.6 | 392.2 | 352.5 |
| 40° | 327.4 | 372.1 | 419.7 | 465.8 | 494.2 | 490.1 | 461.9 | 429.3 | 387.7 | 344.3 | 307.4 |
| 42.5° | 312.3 | 356.9 | 405.4 | 450.7 | 473.4 | 462.2 | 429.3 | 389.3 | 344.5 | 303.7 | 269.9 |
| 45° | 286.2 | 332.1 | 381.7 | 425.4 | 438.4 | 418.2 | 374.7 | 330.2 | 286.2 | 252.1 | 225.4 |
| 47.5° | 260.7 | 306.1 | 355.3 | 393.7 | 398.3 | 371.1 | 323.6 | 277.9 | 239.9 | 212.2 | 193.4 |
| 50° | 242.1 | 287.6 | 336.3 | 370.6 | 369.1 | 336.3 | 287.5 | 243.9 | 212.2 | 189.8 | 177.2 |
| 52.5° | 225.3 | 268.4 | 315.1 | 346.3 | 338.4 | 302.7 | 256.0 | 217.4 | 191.4 | 173.8 | 162.4 |
| 55° | 199.3 | 239.1 | 283.6 | 308.6 | 294.1 | 254.5 | 215.0 | 183.9 | 164.6 | 151.5 | 142.6 |
| 57.5° | 173.4 | 210.8 | 248.8 | 264.2 | 248.3 | 211.7 | 178.8 | 156.2 | 141.7 | 132.0 | 126.2 |
| 60° | 157.4 | 190.0 | 223.9 | 237.3 | 218.2 | 185.6 | 159.6 | 139.5 | 127.8 | 119.8 | 114.6 |
| 62.5° | 141.5 | 170.6 | 202.6 | 209.9 | 192.4 | 164.9 | 141.9 | 125.1 | 115.5 | 108.4 | 103.5 |
| 65° | 119.6 | 143.6 | 167.8 | 172.6 | 156.5 | 135.2 | 117.1 | 106.2 | 97.6 | 92.5 | 88.5 |
| 67.5° | 98.2 | 117.3 | 134.5 | 138.4 | 124.3 | 109.5 | 96.4 | 86.8 | 81.1 | 76.8 | 73.5 |
| 70° | 85.4 | 100.6 | 114.6 | 117.8 | 106.5 | 93.4 | 83.3 | 75.7 | 70.5 | 66.9 | 63.7 |
| 72.5° | 71.9 | 84.5 | 96.3 | 98.4 | 89.2 | 79.1 | 70.9 | 64.9 | 60.3 | 58.0 | 55.0 |
| 75° | 55.0 | 62.5 | 71.5 | 72.1 | 66.0 | 59.8 | 53.6 | 49.7 | 47.2 | 44.3 | 42.8 |
| 77.5° | 38.8 | 44.6 | 49.8 | 50.8 | 47.2 | 43.0 | 39.5 | 36.4 | 34.4 | 33.0 | 31.6 |
| 80° | 29.6 | 34.2 | 36.5 | 37.7 | 35.2 | 32.2 | 30.2 | 28.1 | 26.8 | 25.9 | 25.0 |
| 82.5° | 21.2 | 24.1 | 26.1 | 27.1 | 25.7 | 23.9 | 21.9 | 20.7 | 19.7 | 19.0 | 18.7 |
| 85° | 10.8 | 12.1 | 13.4 | 13.7 | 13.4 | 12.6 | 11.5 | 11.5 | 10.9 | 10.8 | 10.8 |
| 87.5° | 4.0 | 4.7 | 5.0 | 5.6 | 5.6 | 6.0 | 6.3 | 6.5 | 6.8 | 6.5 | 6.4 |
| 90° | 1.4 | 2.4 | 3.3 | 4.3 | 5.7 | 7.5 | 9.3 | 11.1 | 13.0 | 12.8 | 12.6 |
| 92.5° | 7.3 | 8.0 | 8.7 | 9.5 | 10.0 | 10.4 | 10.9 | 11.3 | 11.7 | 11.7 | 11.8 |
| 95° | 20.1 | 20.9 | 21.7 | 22.5 | 23.0 | 23.2 | 23.3 | 23.5 | 23.6 | 23.6 | 23.6 |
| 97.5° | 35.8 | 36.5 | 37.3 | 38.0 | 38.5 | 38.8 | 39.1 | 39.5 | 39.7 | 39.7 | 39.7 |
| 100° | 47.5 | 48.2 | 48.9 | 49.6 | 50.0 | 50.2 | 50.5 | 50.7 | 51.0 | 51.0 | 51.0 |
| 102.5° | 59.8 | 60.3 | 60.9 | 61.4 | 61.9 | 62.1 | 62.5 | 62.8 | 63.1 | 63.2 | 63.2 |
| 105° | 79.7 | 79.9 | 80.1 | 80.4 | 80.6 | 80.8 | 81.0 | 81.1 | 81.3 | 81.4 | 81.6 |
| 107.5° | 100.0 | 100.4 | 100.8 | 101.1 | 101.3 | 101.3 | 101.3 | 101.3 | 101.3 | 101.3 | 101.4 |
| 110° | 113.2 | 113.7 | 114.1 | 114.6 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 127.3 | 127.8 | 128.3 | 128.8 | 129.1 | 129.0 | 128.9 | 128.8 | 128.7 | 128.6 | 128.4 |
| 115° | 148.2 | 148.7 | 149.2 | 149.7 | 149.9 | 149.7 | 149.5 | 149.4 | 149.2 | 149.1 | 149.0 |
| 117.5° | 169.3 | 169.9 | 170.6 | 171.2 | 171.3 | 170.9 | 170.4 | 169.9 | 169.5 | 169.3 | 169.1 |
| 120° | 183.1 | 183.8 | 184.4 | 185.1 | 185.1 | 184.4 | 183.8 | 183.1 | 182.5 | 182.5 | 182.5 |
| 122.5° | 196.0 | 196.7 | 197.5 | 198.4 | 198.5 | 198.0 | 197.5 | 197.1 | 196.7 | 196.5 | 196.2 |
| 125° | 215.7 | 216.5 | 217.2 | 217.9 | 218.2 | 217.9 | 217.7 | 217.4 | 217.2 | 217.0 | 216.7 |
| 127.5° | 235.2 | 236.1 | 237.1 | 238.0 | 238.3 | 238.1 | 237.7 | 237.4 | 237.2 | 236.8 | 236.5 |
| 130° | 247.4 | 248.5 | 249.6 | 250.6 | 251.1 | 250.9 | 250.8 | 250.6 | 250.5 | 250.3 | 250.1 |
| 132.5° | 260.8 | 261.7 | 262.6 | 263.4 | 263.9 | 263.9 | 264.0 | 264.0 | 264.0 | 263.7 | 263.3 |
| 135° | 279.1 | 280.0 | 280.9 | 281.8 | 282.3 | 282.4 | 282.6 | 282.7 | 282.9 | 282.8 | 282.7 |
| 137.5° | 298.0 | 298.7 | 299.5 | 300.2 | 300.7 | 300.9 | 301.2 | 301.3 | 301.6 | 301.5 | 301.4 |
| 140° | 309.6 | 310.3 | 311.0 | 311.8 | 312.3 | 312.7 | 313.2 | 313.6 | 314.0 | 314.0 | 314.0 |
| 142.5° | 321.4 | 322.1 | 322.9 | 323.6 | 324.1 | 324.3 | 324.7 | 324.9 | 325.2 | 325.3 | 325.3 |
| 145° | 338.2 | 338.8 | 339.3 | 339.9 | 340.5 | 341.0 | 341.4 | 341.9 | 342.4 | 342.5 | 342.6 |
| 147.5° | 353.4 | 354.2 | 354.8 | 355.6 | 356.0 | 356.4 | 356.7 | 357.0 | 357.3 | 357.5 | 357.7 |
| 150° | 363.6 | 364.1 | 364.6 | 365.1 | 365.5 | 365.8 | 366.2 | 366.5 | 366.8 | 367.0 | 367.3 |
| 152.5° | 372.8 | 373.2 | 373.7 | 374.2 | 374.7 | 375.0 | 375.4 | 375.9 | 376.3 | 376.6 | 376.8 |
| 155° | 386.2 | 386.5 | 386.8 | 387.0 | 387.3 | 387.5 | 387.8 | 388.0 | 388.2 | 388.7 | 389.1 |
| 157.5° | 397.9 | 398.1 | 398.3 | 398.4 | 398.5 | 398.7 | 398.8 | 399.0 | 399.2 | 399.7 | 400.2 |
| 160° | 405.0 | 405.2 | 405.4 | 405.5 | 405.6 | 405.7 | 405.8 | 405.9 | 405.9 | 406.4 | 406.9 |
| 162.5° | 411.4 | 411.4 | 411.4 | 411.5 | 411.6 | 411.6 | 411.7 | 411.8 | 411.9 | 412.4 | 412.9 |
| 165° | 419.9 | 419.8 | 419.7 | 419.6 | 419.6 | 419.6 | 419.6 | 419.6 | 419.6 | 420.2 | 420.8 |
| 167.5° | 427.0 | 426.7 | 426.5 | 426.2 | 426.1 | 426.1 | 426.1 | 426.1 | 426.1 | 426.6 | 427.2 |
| 170° | 430.8 | 430.6 | 430.3 | 430.1 | 429.9 | 429.8 | 429.7 | 429.7 | 429.6 | 430.2 | 430.7 |
| 172.5° | 433.5 | 433.3 | 433.0 | 432.8 | 432.6 | 432.5 | 432.4 | 432.4 | 432.3 | 432.8 | 433.4 |
| 175° | 436.8 | 436.5 | 436.3 | 436.0 | 435.8 | 435.6 | 435.5 | 435.3 | 435.1 | 435.7 | 436.3 |
| 177.5° | 438.1 | 437.9 | 437.7 | 437.5 | 437.3 | 437.2 | 437.1 | 436.9 | 436.8 | 437.2 | 437.7 |
| 180° | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5° | 499.9 | 501.9 | 501.9 | 502.2 | 504.6 | 504.3 | 504.1 |
| 5° | 531.9 | 535.1 | 535.4 | 538.7 | 541.0 | 540.2 | 538.2 |
| 7.5° | 562.1 | 568.0 | 572.5 | 574.9 | 577.9 | 579.7 | 578.9 |
| 10° | 586.2 | 594.7 | 599.9 | 603.4 | 607.6 | 610.8 | 609.7 |
| 12.5° | 608.0 | 618.1 | 625.3 | 631.3 | 631.8 | 635.9 | 633.1 |
| 15° | 642.0 | 652.6 | 653.8 | 658.2 | 661.8 | 661.4 | 661.5 |
| 17.5° | 653.1 | 656.6 | 657.3 | 657.4 | 657.5 | 656.2 | 653.3 |
| 20° | 649.1 | 647.8 | 644.7 | 642.3 | 638.1 | 637.5 | 633.8 |
| 22.5° | 630.1 | 626.1 | 618.2 | 612.9 | 606.3 | 604.6 | 603.6 |
| 25° | 592.9 | 583.8 | 571.2 | 559.1 | 555.8 | 549.3 | 551.1 |
| 27.5° | 541.6 | 527.5 | 513.8 | 504.1 | 495.2 | 485.5 | 488.3 |
| 30° | 505.6 | 489.7 | 470.4 | 455.6 | 446.1 | 436.9 | 435.2 |
| 32.5° | 462.7 | 439.3 | 417.8 | 404.8 | 390.3 | 384.4 | 378.1 |
| 35° | 388.6 | 365.7 | 344.5 | 326.1 | 315.6 | 307.4 | 300.0 |
| 37.5° | 322.0 | 295.7 | 278.5 | 263.7 | 256.0 | 251.4 | 252.6 |
| 40° | 280.6 | 257.6 | 245.0 | 233.7 | 226.7 | 223.4 | 224.1 |
| 42.5° | 247.1 | 229.9 | 219.6 | 211.8 | 206.8 | 205.0 | 204.6 |
| 45° | 209.1 | 199.5 | 190.9 | 186.5 | 184.1 | 182.1 | 180.8 |
| 47.5° | 183.2 | 175.3 | 170.5 | 167.9 | 165.8 | 163.7 | 163.6 |
| 50° | 167.6 | 162.4 | 159.1 | 156.3 | 154.7 | 153.2 | 154.5 |
| 52.5° | 155.7 | 151.0 | 147.7 | 145.2 | 144.6 | 143.2 | 143.2 |
| 55° | 138.2 | 134.4 | 132.1 | 129.8 | 128.7 | 128.0 | 127.0 |
| 57.5° | 122.1 | 118.6 | 116.4 | 115.0 | 112.9 | 112.2 | 111.9 |
| 60° | 110.7 | 107.9 | 105.7 | 103.9 | 103.0 | 101.5 | 101.5 |
| 62.5° | 100.2 | 97.4 | 95.4 | 94.0 | 92.5 | 91.9 | 92.0 |
| 65° | 85.0 | 82.8 | 80.7 | 79.2 | 78.9 | 77.8 | 78.2 |
| 67.5° | 71.0 | 69.5 | 67.3 | 66.5 | 65.9 | 65.3 | 64.8 |
| 70° | 61.6 | 60.2 | 59.1 | 58.0 | 57.4 | 57.4 | 57.4 |
| 72.5° | 53.8 | 52.0 | 51.4 | 50.0 | 50.3 | 49.7 | 49.1 |
| 75° | 41.7 | 40.5 | 40.0 | 39.5 | 38.6 | 38.6 | 38.6 |
| 77.5° | 30.7 | 30.3 | 29.7 | 29.1 | 28.9 | 28.7 | 28.8 |
| 80° | 23.7 | 23.5 | 23.2 | 23.2 | 22.7 | 22.6 | 22.3 |
| 82.5° | 18.3 | 17.8 | 17.5 | 17.4 | 17.3 | 17.3 | 17.2 |
| 85° | 10.4 | 10.0 | 10.0 | 10.2 | 9.8 | 9.8 | 10.0 |
| 87.5° | 6.5 | 6.4 | 6.3 | 6.3 | 6.4 | 6.4 | 6.4 |
| 90° | 12.5 | 12.3 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 |
| 92.5° | 11.8 | 11.9 | 11.9 | 11.9 | 11.9 | 12.0 | 12.0 |
| 95° | 23.6 | 23.6 | 23.6 | 23.4 | 23.2 | 23.1 | 22.9 |
| 97.5° | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| 100° | 51.0 | 51.0 | 51.0 | 50.9 | 50.8 | 50.7 | 50.6 |
| 102.5° | 63.3 | 63.3 | 63.3 | 63.3 | 63.2 | 63.1 | 63.0 |
| 105° | 81.8 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| 107.5° | 101.5 | 101.6 | 101.4 | 101.0 | 100.6 | 100.3 | 99.9 |
| 110° | 114.9 | 114.9 | 114.7 | 114.5 | 114.2 | 114.0 | 113.7 |



TEST NUMBER: P331466-930

CATALOG NUMBER: S122DIW-S290D435U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 128.2 | 128.0 | 127.8 | 127.6 | 127.4 | 127.3 | 127.1 |
| 115° | 149.0 | 148.9 | 148.7 | 148.5 | 148.2 | 148.0 | 147.7 |
| 117.5° | 168.8 | 168.7 | 168.4 | 168.2 | 168.0 | 167.7 | 167.5 |
| 120° | 182.5 | 182.5 | 182.4 | 182.1 | 181.9 | 181.6 | 181.4 |
| 122.5° | 196.1 | 195.8 | 195.7 | 195.5 | 195.3 | 195.1 | 194.9 |
| 125° | 216.5 | 216.2 | 216.1 | 216.0 | 215.9 | 215.8 | 215.7 |
| 127.5° | 236.3 | 235.9 | 235.7 | 235.4 | 235.1 | 234.9 | 234.6 |
| 130° | 250.0 | 249.8 | 249.6 | 249.2 | 248.9 | 248.6 | 248.3 |
| 132.5° | 262.9 | 262.6 | 262.3 | 262.0 | 261.7 | 261.5 | 261.2 |
| 135° | 282.7 | 282.6 | 282.4 | 282.2 | 281.9 | 281.7 | 281.4 |
| 137.5° | 301.3 | 301.3 | 301.1 | 300.8 | 300.4 | 300.1 | 299.8 |
| 140° | 314.0 | 314.0 | 313.8 | 313.5 | 313.2 | 312.8 | 312.5 |
| 142.5° | 325.4 | 325.5 | 325.3 | 325.0 | 324.7 | 324.3 | 324.0 |
| 145° | 342.7 | 342.8 | 342.6 | 342.3 | 341.9 | 341.6 | 341.3 |
| 147.5° | 357.9 | 358.1 | 358.0 | 357.7 | 357.3 | 357.0 | 356.8 |
| 150° | 367.5 | 367.8 | 367.8 | 367.5 | 367.3 | 367.0 | 366.8 |
| 152.5° | 377.2 | 377.5 | 377.5 | 377.2 | 376.8 | 376.6 | 376.3 |
| 155° | 389.5 | 389.9 | 390.0 | 389.7 | 389.5 | 389.2 | 389.0 |
| 157.5° | 400.8 | 401.4 | 401.5 | 401.0 | 400.6 | 400.3 | 399.9 |
| 160° | 407.4 | 407.9 | 408.0 | 407.6 | 407.3 | 407.0 | 406.7 |
| 162.5° | 413.5 | 414.1 | 414.2 | 413.8 | 413.4 | 412.9 | 412.6 |
| 165° | 421.3 | 421.9 | 422.0 | 421.6 | 421.2 | 420.8 | 420.4 |
| 167.5° | 427.8 | 428.4 | 428.4 | 428.0 | 427.5 | 427.1 | 426.7 |
| 170° | 431.3 | 431.9 | 431.9 | 431.5 | 431.0 | 430.5 | 430.0 |
| 172.5° | 434.0 | 434.6 | 434.6 | 434.1 | 433.6 | 433.1 | 432.6 |
| 175° | 436.8 | 437.4 | 437.5 | 437.0 | 436.5 | 436.0 | 435.5 |
| 177.5° | 438.0 | 438.4 | 438.4 | 438.0 | 437.7 | 437.2 | 436.8 |
| 180° | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 |

(END OF REPORT)