

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: P331617-840

Luminaire Tested: **SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331617-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 330 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

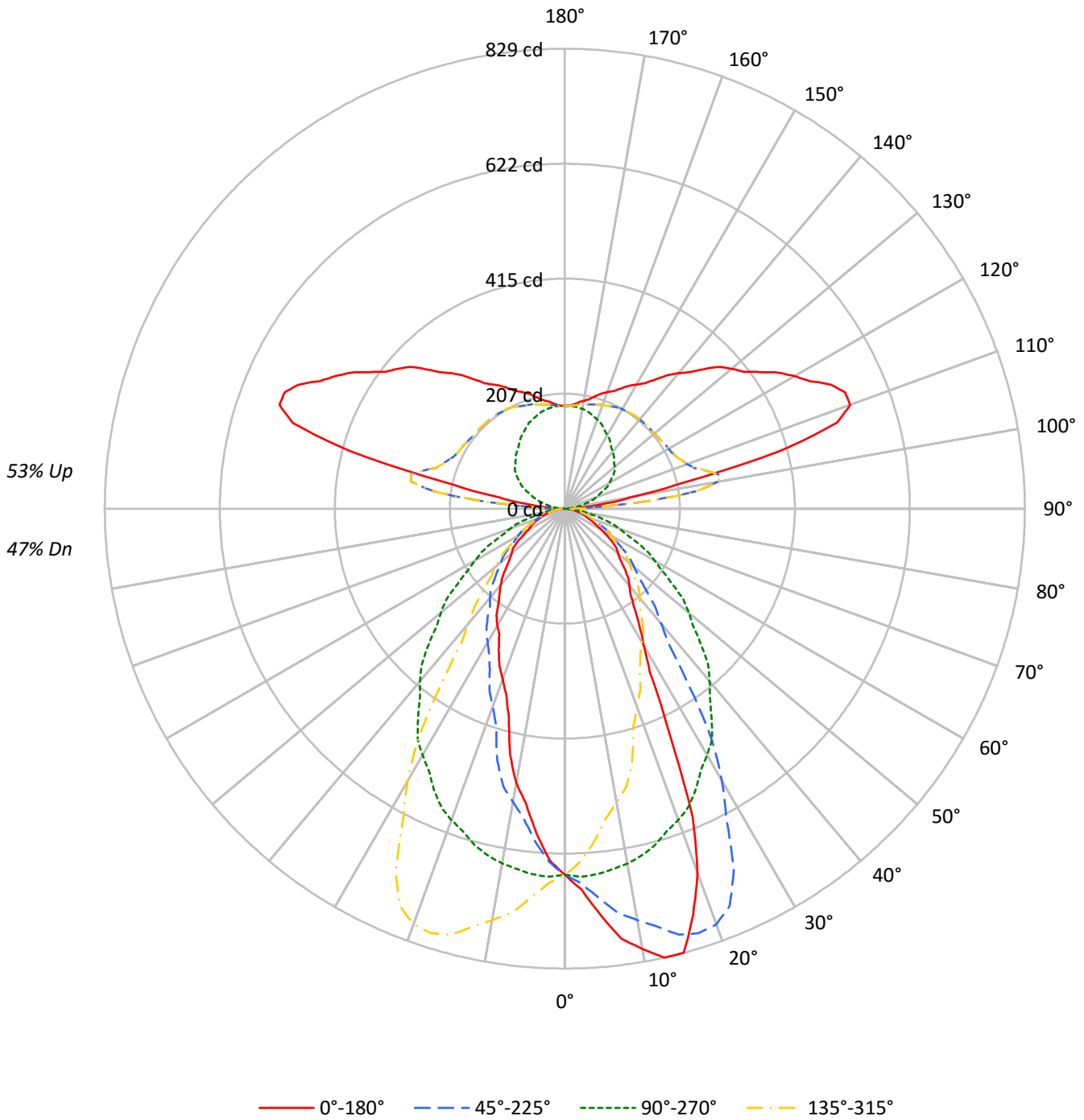
Lumens per Lamp: N/A  
Luminaire Lumens: 2433.8 lumens  
Efficiency: N/A  
Efficacy: 119.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 20.3  
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: P331617-840  
CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P331617-840

CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

**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 | 82 | 82 | 82 | 67 | 67 | 67 | 53 | 53 | 53 | 47 |
| 1   | 98  | 94  | 90  | 87  | 90 | 86 | 83 | 81 | 73 | 70 | 68 | 60 | 58 | 57 | 48 | 47 | 46 | 41 |
| 2   | 90  | 83  | 77  | 72  | 82 | 76 | 72 | 67 | 65 | 61 | 58 | 54 | 51 | 49 | 43 | 42 | 40 | 36 |
| 3   | 82  | 73  | 67  | 61  | 76 | 68 | 62 | 57 | 58 | 53 | 50 | 48 | 45 | 42 | 39 | 37 | 35 | 31 |
| 4   | 76  | 66  | 58  | 52  | 70 | 61 | 54 | 49 | 52 | 47 | 43 | 43 | 40 | 37 | 36 | 33 | 31 | 27 |
| 5   | 70  | 59  | 51  | 46  | 64 | 55 | 48 | 43 | 47 | 42 | 38 | 39 | 36 | 33 | 32 | 30 | 28 | 24 |
| 6   | 65  | 53  | 45  | 40  | 59 | 49 | 43 | 38 | 42 | 37 | 33 | 36 | 32 | 29 | 30 | 27 | 25 | 22 |
| 7   | 60  | 48  | 41  | 35  | 55 | 45 | 38 | 34 | 39 | 34 | 30 | 33 | 29 | 26 | 27 | 25 | 22 | 20 |
| 8   | 56  | 44  | 37  | 32  | 51 | 41 | 35 | 30 | 36 | 30 | 27 | 30 | 26 | 24 | 25 | 23 | 20 | 18 |
| 9   | 52  | 40  | 33  | 28  | 48 | 38 | 31 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 24 | 21 | 19 | 17 |
| 10  | 49  | 37  | 30  | 26  | 45 | 35 | 29 | 24 | 30 | 25 | 22 | 26 | 22 | 20 | 22 | 19 | 17 | 15 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 10658 | 10658 | 10658 | 10658 |
| 5°  | 11904 | 10726 | 9511  | 10726 |
| 10° | 13209 | 10650 | 8243  | 10650 |
| 15° | 13857 | 10494 | 6496  | 10494 |
| 20° | 12014 | 10263 | 5620  | 10263 |
| 25° | 7878  | 9948  | 5018  | 9948  |
| 30° | 5304  | 9562  | 4542  | 9562  |
| 35° | 4295  | 9079  | 4096  | 9079  |
| 40° | 3819  | 8553  | 3792  | 8553  |
| 45° | 3457  | 7935  | 3382  | 7935  |
| 50° | 3145  | 7322  | 3135  | 7322  |
| 55° | 2956  | 6643  | 2919  | 6643  |
| 60° | 2474  | 6022  | 2444  | 6022  |
| 65° | 2086  | 5467  | 2365  | 5467  |
| 70° | 1926  | 4881  | 2233  | 4881  |
| 75° | 1803  | 4255  | 2059  | 4255  |
| 80° | 1664  | 3505  | 1832  | 3505  |
| 85° | 1538  | 2760  | 1612  | 2760  |



TEST NUMBER: P331617-840

CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 62.6   | 2.6       |
| 10°-20°   | 174.4  | 7.2       |
| 20°-30°   | 224.7  | 9.2       |
| 30°-40°   | 213.5  | 8.8       |
| 40°-50°   | 182.9  | 7.5       |
| 50°-60°   | 139.3  | 5.7       |
| 60°-70°   | 88.1   | 3.6       |
| 70°-80°   | 44.0   | 1.8       |
| 80°-90°   | 13.1   | 0.5       |
| 90°-100°  | 74.2   | 3.0       |
| 100°-110° | 251.8  | 10.3      |
| 110°-120° | 267.5  | 11.0      |
| 120°-130° | 220.2  | 9.0       |
| 130°-140° | 176.8  | 7.3       |
| 140°-150° | 133.6  | 5.5       |
| 150°-160° | 93.9   | 3.9       |
| 160°-170° | 55.3   | 2.3       |
| 170°-180° | 18.0   | 0.7       |
| 0°-30°    | 461.7  | 19.0      |
| 0°-40°    | 675.2  | 27.7      |
| 0°-60°    | 997.5  | 41.0      |
| 0°-90°    | 1142.6 | 46.9      |
| 90°-120°  | 593.4  | 24.4      |
| 90°-150°  | 1124.0 | 46.2      |
| 90°-180°  | 1291.0 | 53.0      |
| 0°-180°   | 2433.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 660 | 660 | 660  | 660  | 660  |      |
| 5°   | 734 | 662 | 587  | 662  | 734  | 72   |
| 15°  | 829 | 628 | 389  | 628  | 829  | 224  |
| 25°  | 442 | 558 | 282  | 558  | 442  | 210  |
| 35°  | 218 | 461 | 208  | 461  | 218  | 139  |
| 45°  | 151 | 348 | 148  | 348  | 151  | 117  |
| 55°  | 105 | 236 | 104  | 236  | 105  | 92   |
| 65°  | 55  | 143 | 62   | 143  | 55   | 56   |
| 75°  | 29  | 68  | 33   | 68   | 29   | 31   |
| 85°  | 8   | 15  | 9    | 15   | 8    | 9    |
| 90°  | 12  | 0   | 12   | 0    | 12   | 7    |
| 95°  | 41  | 12  | 41   | 12   | 41   | 53   |
| 105° | 402 | 44  | 402  | 44   | 402  | 389  |
| 115° | 529 | 77  | 529  | 77   | 529  | 518  |
| 125° | 429 | 107 | 429  | 107  | 429  | 388  |
| 135° | 356 | 126 | 356  | 126  | 356  | 276  |
| 145° | 284 | 143 | 284  | 143  | 284  | 180  |
| 155° | 239 | 163 | 239  | 163  | 239  | 111  |
| 165° | 209 | 178 | 209  | 178  | 209  | 60   |
| 175° | 189 | 185 | 189  | 185  | 189  | 18   |
| 180° | 186 | 186 | 186  | 186  | 186  |      |



TEST NUMBER: P331617-840

CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5°   | 687.0 | 687.5 | 688.1 | 686.8 | 686.8 | 685.7 | 683.3 | 681.5 | 676.3 | 675.6 | 675.6 |
| 5°     | 734.5 | 734.1 | 735.0 | 732.0 | 727.9 | 726.9 | 722.6 | 716.8 | 710.8 | 704.3 | 702.9 |
| 7.5°   | 781.7 | 781.0 | 779.2 | 778.7 | 775.6 | 768.6 | 761.6 | 754.2 | 744.3 | 734.6 | 729.7 |
| 10°    | 805.7 | 813.2 | 808.6 | 800.6 | 802.1 | 791.4 | 785.7 | 775.8 | 767.5 | 753.1 | 749.9 |
| 12.5°  | 829.1 | 832.1 | 830.6 | 826.1 | 824.0 | 816.6 | 808.8 | 800.2 | 785.0 | 772.0 | 760.7 |
| 15°    | 829.0 | 833.3 | 834.6 | 833.1 | 834.2 | 833.8 | 829.7 | 822.6 | 809.3 | 795.1 | 782.6 |
| 17.5°  | 767.8 | 770.8 | 778.4 | 783.5 | 789.9 | 803.4 | 810.2 | 812.7 | 810.8 | 802.6 | 794.0 |
| 20°    | 699.2 | 694.2 | 715.3 | 726.0 | 735.2 | 758.1 | 777.9 | 785.5 | 797.6 | 797.4 | 795.1 |
| 22.5°  | 601.9 | 603.1 | 623.1 | 635.9 | 662.7 | 685.7 | 708.1 | 736.6 | 760.1 | 775.7 | 784.8 |
| 25°    | 442.2 | 451.0 | 470.9 | 488.4 | 518.2 | 560.9 | 599.7 | 644.6 | 687.0 | 720.5 | 752.5 |
| 27.5°  | 332.1 | 332.9 | 348.6 | 364.8 | 382.4 | 417.4 | 466.3 | 519.9 | 580.4 | 630.4 | 687.7 |
| 30°    | 284.5 | 283.1 | 289.7 | 299.6 | 314.8 | 341.8 | 378.5 | 431.2 | 491.6 | 566.8 | 633.8 |
| 32.5°  | 250.6 | 250.7 | 255.8 | 263.1 | 275.6 | 293.9 | 319.0 | 361.9 | 418.9 | 492.9 | 571.4 |
| 35°    | 217.9 | 217.7 | 221.4 | 226.6 | 231.9 | 243.6 | 260.8 | 283.3 | 322.6 | 391.5 | 471.8 |
| 37.5°  | 194.4 | 195.4 | 197.2 | 200.6 | 206.3 | 212.9 | 223.2 | 238.3 | 266.2 | 307.1 | 374.6 |
| 40°    | 181.2 | 181.7 | 184.2 | 186.9 | 190.4 | 195.4 | 203.9 | 216.1 | 236.5 | 269.0 | 318.4 |
| 42.5°  | 169.2 | 169.6 | 171.4 | 173.9 | 176.6 | 181.7 | 188.7 | 199.2 | 215.8 | 241.2 | 281.9 |
| 45°    | 151.4 | 151.4 | 153.0 | 154.1 | 157.1 | 161.7 | 167.4 | 176.2 | 187.6 | 206.4 | 233.5 |
| 47.5°  | 134.8 | 134.8 | 135.9 | 137.8 | 139.8 | 143.3 | 149.0 | 156.1 | 164.4 | 178.9 | 202.1 |
| 50°    | 125.2 | 125.5 | 126.1 | 127.7 | 129.0 | 132.1 | 136.5 | 142.7 | 151.4 | 162.7 | 181.9 |
| 52.5°  | 117.5 | 117.4 | 118.3 | 119.0 | 119.8 | 122.0 | 125.3 | 130.8 | 138.6 | 148.3 | 164.3 |
| 55°    | 105.0 | 104.1 | 105.5 | 106.6 | 107.3 | 108.3 | 110.1 | 113.5 | 120.2 | 128.5 | 140.4 |
| 57.5°  | 89.5  | 89.1  | 90.1  | 91.1  | 93.3  | 95.7  | 97.4  | 99.5  | 102.9 | 108.9 | 120.7 |
| 60°    | 76.6  | 76.6  | 78.7  | 79.4  | 81.9  | 85.1  | 88.4  | 90.2  | 93.6  | 97.5  | 106.2 |
| 62.5°  | 65.2  | 65.4  | 66.3  | 67.1  | 68.5  | 72.4  | 77.0  | 81.0  | 84.2  | 88.0  | 93.7  |
| 65°    | 54.6  | 55.0  | 55.0  | 55.5  | 56.5  | 57.4  | 59.2  | 62.4  | 68.2  | 73.4  | 77.8  |
| 67.5°  | 46.4  | 46.5  | 46.7  | 47.1  | 47.3  | 48.3  | 49.1  | 50.5  | 51.8  | 56.8  | 62.2  |
| 70°    | 40.8  | 41.5  | 41.3  | 41.7  | 42.0  | 42.4  | 43.3  | 44.0  | 46.2  | 47.3  | 50.5  |
| 72.5°  | 35.6  | 36.2  | 36.2  | 36.5  | 37.1  | 37.2  | 37.9  | 38.6  | 39.9  | 40.8  | 42.6  |
| 75°    | 28.9  | 28.7  | 28.9  | 29.4  | 29.6  | 29.8  | 29.8  | 30.7  | 31.4  | 32.3  | 33.5  |
| 77.5°  | 22.3  | 22.5  | 22.5  | 22.5  | 22.6  | 23.0  | 22.9  | 23.3  | 24.0  | 24.5  | 25.0  |
| 80°    | 17.9  | 18.1  | 17.9  | 18.1  | 18.4  | 18.6  | 18.4  | 18.6  | 19.3  | 19.7  | 19.7  |
| 82.5°  | 13.8  | 13.9  | 14.0  | 14.0  | 14.1  | 14.1  | 14.5  | 14.5  | 15.0  | 14.9  | 15.1  |
| 85°    | 8.3   | 8.1   | 8.1   | 8.1   | 8.3   | 8.5   | 8.3   | 8.3   | 8.5   | 8.5   | 8.5   |
| 87.5°  | 5.3   | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   | 5.3   | 5.6   | 5.5   | 5.8   | 5.5   |
| 90°    | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.4  | 10.7  | 11.4  | 11.8  | 12.1  | 11.8  |
| 92.5°  | 19.8  | 20.3  | 20.1  | 21.2  | 21.5  | 23.7  | 26.7  | 31.1  | 39.2  | 46.4  | 45.7  |
| 95°    | 40.7  | 40.3  | 41.4  | 44.2  | 48.9  | 56.8  | 71.7  | 93.5  | 122.4 | 139.9 | 123.8 |
| 97.5°  | 80.1  | 83.1  | 88.3  | 97.0  | 114.1 | 139.9 | 178.4 | 218.1 | 250.4 | 238.7 | 179.9 |
| 100°   | 127.7 | 134.2 | 144.5 | 159.9 | 189.5 | 232.7 | 281.6 | 325.8 | 333.3 | 281.9 | 194.1 |
| 102.5° | 224.8 | 233.5 | 246.4 | 272.6 | 304.8 | 350.5 | 386.3 | 396.3 | 364.1 | 283.3 | 188.6 |
| 105°   | 402.1 | 407.1 | 422.4 | 444.5 | 466.8 | 478.5 | 473.8 | 433.5 | 359.3 | 264.4 | 178.0 |
| 107.5° | 513.7 | 520.3 | 523.4 | 524.6 | 521.8 | 504.5 | 467.5 | 406.7 | 328.0 | 244.1 | 172.8 |
| 110°   | 547.3 | 547.8 | 544.5 | 537.8 | 522.4 | 493.1 | 447.5 | 383.5 | 308.3 | 234.4 | 171.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 546.7 | 544.8 | 538.8 | 527.5 | 506.1 | 472.5 | 423.7 | 362.4 | 294.6 | 228.1 | 171.9 |
| 115°   | 529.2 | 525.9 | 516.6 | 500.3 | 474.9 | 438.2 | 391.4 | 336.5 | 277.6 | 221.3 | 173.4 |
| 117.5° | 497.7 | 494.9 | 485.2 | 467.9 | 442.0 | 407.6 | 365.2 | 316.9 | 266.9 | 217.8 | 176.0 |
| 120°   | 477.5 | 473.8 | 463.5 | 446.8 | 421.7 | 389.3 | 351.4 | 307.2 | 261.2 | 215.9 | 177.7 |
| 122.5° | 456.3 | 453.3 | 444.1 | 427.6 | 405.2 | 375.9 | 340.0 | 299.5 | 256.3 | 214.7 | 179.7 |
| 125°   | 429.3 | 426.4 | 417.5 | 403.9 | 383.2 | 356.5 | 325.1 | 288.3 | 249.4 | 212.7 | 182.7 |
| 127.5° | 405.6 | 403.2 | 395.6 | 382.8 | 364.8 | 340.1 | 310.5 | 277.2 | 243.0 | 211.5 | 185.7 |
| 130°   | 392.1 | 389.3 | 382.1 | 370.0 | 352.5 | 329.0 | 300.8 | 270.1 | 238.7 | 210.9 | 188.0 |
| 132.5° | 378.2 | 375.6 | 369.0 | 356.9 | 339.7 | 317.6 | 291.6 | 263.3 | 235.3 | 210.6 | 190.4 |
| 135°   | 355.8 | 354.4 | 347.9 | 336.1 | 320.7 | 300.8 | 277.2 | 253.7 | 230.5 | 210.2 | 193.1 |
| 137.5° | 333.8 | 331.6 | 326.0 | 315.9 | 301.8 | 284.5 | 265.8 | 246.1 | 227.1 | 210.1 | 195.5 |
| 140°   | 318.6 | 316.5 | 311.1 | 301.8 | 290.4 | 274.8 | 258.3 | 241.2 | 225.1 | 209.8 | 196.6 |
| 142.5° | 303.5 | 303.1 | 298.3 | 289.8 | 279.0 | 265.9 | 251.8 | 237.2 | 223.2 | 209.8 | 197.4 |
| 145°   | 284.0 | 283.0 | 279.4 | 273.3 | 264.8 | 254.4 | 243.4 | 231.6 | 220.6 | 209.0 | 198.3 |
| 147.5° | 267.7 | 267.0 | 264.6 | 259.7 | 252.7 | 245.1 | 236.5 | 227.2 | 217.8 | 207.8 | 198.6 |
| 150°   | 258.0 | 257.6 | 255.5 | 251.2 | 245.8 | 239.4 | 232.0 | 224.1 | 215.5 | 206.9 | 198.3 |
| 152.5° | 249.7 | 249.6 | 248.0 | 244.4 | 240.1 | 234.6 | 228.2 | 221.0 | 213.5 | 205.5 | 197.8 |
| 155°   | 238.7 | 239.4 | 238.0 | 235.5 | 231.6 | 227.6 | 222.3 | 216.6 | 209.8 | 203.0 | 196.9 |
| 157.5° | 229.3 | 229.3 | 228.7 | 226.6 | 223.9 | 220.8 | 216.3 | 211.6 | 206.3 | 200.5 | 195.3 |
| 160°   | 223.4 | 223.4 | 223.0 | 221.3 | 218.7 | 216.2 | 212.3 | 208.3 | 203.7 | 198.7 | 194.5 |
| 162.5° | 217.6 | 217.9 | 217.6 | 216.4 | 213.9 | 212.0 | 208.6 | 205.2 | 201.5 | 197.3 | 193.6 |
| 165°   | 209.4 | 209.8 | 209.8 | 208.3 | 206.9 | 205.5 | 203.0 | 200.6 | 197.6 | 194.5 | 192.0 |
| 167.5° | 201.9 | 202.3 | 202.4 | 201.6 | 201.0 | 199.7 | 197.9 | 196.0 | 194.0 | 192.0 | 190.4 |
| 170°   | 197.3 | 198.0 | 198.3 | 197.3 | 196.9 | 196.2 | 194.8 | 193.8 | 192.0 | 190.6 | 189.5 |
| 172.5° | 193.6 | 194.0 | 194.4 | 193.9 | 193.5 | 193.1 | 192.0 | 191.2 | 190.0 | 188.8 | 188.3 |
| 175°   | 188.7 | 189.5 | 189.9 | 189.5 | 189.5 | 189.1 | 188.7 | 188.4 | 187.3 | 186.9 | 186.6 |
| 177.5° | 185.8 | 186.4 | 186.7 | 186.7 | 186.7 | 186.7 | 186.4 | 186.4 | 185.8 | 185.5 | 185.8 |
| 180°   | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5°   | 676.0 | 674.5 | 673.2 | 669.9 | 668.2 | 664.6 | 664.1 | 663.9 | 659.1 | 654.5 | 653.2 |
| 5°     | 699.2 | 695.5 | 690.0 | 683.6 | 676.9 | 670.0 | 665.5 | 661.8 | 652.6 | 643.9 | 638.8 |
| 7.5°   | 722.6 | 714.7 | 705.2 | 693.1 | 682.9 | 671.6 | 663.1 | 655.5 | 642.5 | 630.0 | 621.6 |
| 10°    | 740.0 | 727.2 | 714.6 | 697.8 | 684.7 | 671.9 | 659.9 | 649.6 | 635.0 | 618.4 | 606.7 |
| 12.5°  | 750.8 | 736.7 | 719.3 | 703.0 | 686.0 | 669.6 | 653.7 | 640.5 | 623.2 | 606.1 | 592.3 |
| 15°    | 765.5 | 750.3 | 729.2 | 705.8 | 684.1 | 662.7 | 644.4 | 627.8 | 605.4 | 584.9 | 567.9 |
| 17.5°  | 777.5 | 756.6 | 734.0 | 706.9 | 681.7 | 654.6 | 631.0 | 609.9 | 584.8 | 560.2 | 540.2 |
| 20°    | 781.3 | 760.6 | 734.5 | 707.4 | 677.6 | 645.7 | 620.3 | 597.3 | 570.5 | 543.6 | 520.7 |
| 22.5°  | 778.9 | 762.9 | 733.8 | 701.4 | 670.9 | 637.5 | 608.7 | 582.1 | 552.3 | 524.9 | 498.4 |
| 25°    | 762.8 | 757.2 | 729.7 | 694.4 | 659.5 | 620.8 | 587.4 | 558.4 | 524.4 | 495.0 | 466.2 |
| 27.5°  | 725.0 | 736.9 | 719.8 | 682.2 | 643.4 | 601.9 | 564.4 | 531.3 | 496.0 | 463.0 | 434.2 |
| 30°    | 688.6 | 715.9 | 708.6 | 673.7 | 630.4 | 589.6 | 547.5 | 512.9 | 475.3 | 441.3 | 412.9 |
| 32.5°  | 638.9 | 684.0 | 691.2 | 662.0 | 617.1 | 572.3 | 528.3 | 493.8 | 454.5 | 418.8 | 391.0 |
| 35°    | 559.7 | 627.1 | 658.1 | 639.5 | 594.6 | 546.1 | 500.8 | 460.6 | 421.1 | 385.9 | 358.3 |
| 37.5°  | 465.2 | 557.1 | 608.7 | 610.1 | 568.8 | 518.5 | 469.0 | 429.1 | 388.7 | 354.1 | 324.3 |
| 40°    | 403.9 | 503.5 | 570.8 | 585.6 | 550.8 | 496.4 | 446.4 | 405.8 | 366.4 | 332.3 | 298.2 |
| 42.5°  | 348.9 | 448.1 | 530.7 | 556.6 | 529.0 | 474.9 | 424.7 | 382.3 | 344.0 | 311.8 | 276.9 |
| 45°    | 282.2 | 368.9 | 459.9 | 506.2 | 490.9 | 440.9 | 387.9 | 347.5 | 311.5 | 283.8 | 250.2 |
| 47.5°  | 238.0 | 299.1 | 387.3 | 449.9 | 449.7 | 404.0 | 351.8 | 313.3 | 279.8 | 253.8 | 226.7 |
| 50°    | 212.9 | 266.1 | 340.6 | 411.7 | 417.7 | 379.4 | 329.8 | 291.5 | 260.3 | 233.1 | 211.3 |
| 52.5°  | 190.3 | 234.2 | 301.1 | 369.4 | 386.4 | 353.1 | 305.1 | 269.7 | 239.4 | 214.3 | 195.7 |
| 55°    | 160.8 | 194.8 | 245.7 | 309.4 | 335.2 | 311.7 | 269.0 | 236.0 | 211.5 | 190.4 | 174.3 |
| 57.5°  | 136.0 | 161.5 | 202.4 | 253.7 | 283.6 | 268.9 | 233.7 | 206.8 | 185.8 | 166.7 | 154.1 |
| 60°    | 120.5 | 141.3 | 175.9 | 218.8 | 251.9 | 241.6 | 211.5 | 186.5 | 168.6 | 152.1 | 140.2 |
| 62.5°  | 105.7 | 123.7 | 153.4 | 188.2 | 218.4 | 214.2 | 189.7 | 168.6 | 153.0 | 137.9 | 127.8 |
| 65°    | 85.1  | 98.2  | 121.4 | 148.7 | 173.0 | 175.0 | 157.3 | 143.1 | 129.2 | 117.2 | 108.3 |
| 67.5°  | 67.8  | 76.3  | 92.6  | 115.6 | 133.8 | 140.4 | 129.6 | 118.7 | 107.6 | 98.4  | 90.6  |
| 70°    | 57.2  | 64.0  | 75.9  | 94.5  | 111.3 | 118.2 | 111.9 | 103.4 | 93.8  | 86.2  | 79.6  |
| 72.5°  | 46.3  | 53.0  | 61.8  | 75.4  | 89.8  | 97.3  | 95.0  | 89.0  | 81.2  | 74.8  | 68.6  |
| 75°    | 34.8  | 37.0  | 42.9  | 52.1  | 63.3  | 69.8  | 71.3  | 68.2  | 61.9  | 57.2  | 53.4  |
| 77.5°  | 25.8  | 27.1  | 29.9  | 34.6  | 42.0  | 47.8  | 50.1  | 49.7  | 45.4  | 42.7  | 39.2  |
| 80°    | 20.6  | 21.3  | 22.7  | 24.7  | 30.3  | 36.1  | 37.7  | 37.7  | 34.6  | 33.5  | 30.1  |
| 82.5°  | 15.7  | 16.2  | 17.1  | 18.2  | 20.7  | 25.8  | 27.6  | 27.9  | 26.1  | 24.5  | 21.8  |
| 85°    | 9.0   | 8.7   | 9.2   | 9.9   | 10.3  | 11.7  | 14.4  | 14.9  | 14.4  | 12.6  | 11.9  |
| 87.5°  | 5.0   | 4.7   | 4.3   | 3.9   | 4.0   | 4.0   | 4.6   | 5.4   | 4.8   | 4.6   | 4.3   |
| 90°    | 9.6   | 7.2   | 5.4   | 4.2   | 3.5   | 2.8   | 1.4   | 0.4   | 1.4   | 2.8   | 3.5   |
| 92.5°  | 35.6  | 24.2  | 16.2  | 12.8  | 10.4  | 8.9   | 6.3   | 4.3   | 6.3   | 8.9   | 10.4  |
| 95°    | 82.4  | 51.4  | 34.9  | 26.4  | 20.7  | 17.5  | 13.9  | 12.5  | 13.9  | 17.5  | 20.7  |
| 97.5°  | 111.1 | 67.8  | 47.2  | 37.5  | 30.9  | 26.1  | 22.2  | 20.3  | 22.2  | 26.1  | 30.9  |
| 100°   | 117.0 | 73.5  | 54.6  | 44.6  | 37.5  | 31.7  | 28.6  | 27.5  | 28.6  | 31.7  | 37.5  |
| 102.5° | 117.3 | 78.7  | 61.2  | 51.2  | 43.7  | 38.1  | 34.8  | 34.0  | 34.8  | 38.1  | 43.7  |
| 105°   | 119.2 | 87.5  | 70.7  | 60.7  | 52.8  | 47.5  | 44.9  | 43.5  | 44.9  | 47.5  | 52.8  |
| 107.5° | 124.1 | 96.4  | 80.2  | 70.1  | 62.3  | 57.4  | 54.9  | 53.8  | 54.9  | 57.4  | 62.3  |
| 110°   | 128.1 | 102.4 | 86.7  | 76.3  | 68.9  | 64.2  | 62.1  | 60.7  | 62.1  | 64.2  | 68.9  |





TEST NUMBER: P331617-840

CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.4 | 108.2 | 93.0  | 82.3  | 75.1  | 70.8  | 68.4  | 67.0  | 68.4  | 70.8  | 75.1  |
| 115°   | 138.8 | 117.0 | 101.7 | 92.1  | 84.9  | 80.7  | 78.5  | 76.7  | 78.5  | 80.7  | 84.9  |
| 117.5° | 145.6 | 125.2 | 111.1 | 101.1 | 94.2  | 90.4  | 88.3  | 86.8  | 88.3  | 90.4  | 94.2  |
| 120°   | 150.3 | 131.0 | 117.0 | 107.0 | 99.9  | 96.7  | 94.5  | 93.1  | 94.5  | 96.7  | 99.9  |
| 122.5° | 154.2 | 136.3 | 123.3 | 113.0 | 105.9 | 102.4 | 100.3 | 99.2  | 100.3 | 102.4 | 105.9 |
| 125°   | 160.6 | 144.5 | 131.7 | 121.7 | 114.5 | 110.3 | 108.2 | 107.0 | 108.2 | 110.3 | 114.5 |
| 127.5° | 166.5 | 152.1 | 139.6 | 129.3 | 122.5 | 117.8 | 114.7 | 113.3 | 114.7 | 117.8 | 122.5 |
| 130°   | 170.2 | 156.6 | 144.1 | 134.2 | 127.0 | 122.0 | 118.5 | 117.0 | 118.5 | 122.0 | 127.0 |
| 132.5° | 173.9 | 160.7 | 148.8 | 138.8 | 131.3 | 126.0 | 122.2 | 120.5 | 122.2 | 126.0 | 131.3 |
| 135°   | 178.7 | 166.3 | 154.8 | 144.9 | 136.6 | 131.3 | 127.0 | 125.6 | 127.0 | 131.3 | 136.6 |
| 137.5° | 182.5 | 170.9 | 159.6 | 150.3 | 142.2 | 136.4 | 132.2 | 130.5 | 132.2 | 136.4 | 142.2 |
| 140°   | 184.5 | 173.4 | 162.7 | 153.4 | 145.6 | 139.9 | 135.6 | 134.2 | 135.6 | 139.9 | 145.6 |
| 142.5° | 186.2 | 175.4 | 165.0 | 156.3 | 148.8 | 143.0 | 139.1 | 137.8 | 139.1 | 143.0 | 148.8 |
| 145°   | 188.4 | 178.4 | 168.7 | 161.0 | 153.8 | 148.5 | 144.9 | 143.4 | 144.9 | 148.5 | 153.8 |
| 147.5° | 189.7 | 180.9 | 171.8 | 164.8 | 158.9 | 153.9 | 150.5 | 149.5 | 150.5 | 153.9 | 158.9 |
| 150°   | 190.2 | 182.0 | 173.8 | 167.3 | 162.0 | 157.3 | 154.5 | 153.4 | 154.5 | 157.3 | 162.0 |
| 152.5° | 190.5 | 183.1 | 175.7 | 170.0 | 164.8 | 160.8 | 157.9 | 157.4 | 157.9 | 160.8 | 164.8 |
| 155°   | 190.9 | 184.8 | 178.7 | 173.4 | 169.5 | 165.5 | 163.4 | 163.1 | 163.4 | 165.5 | 169.5 |
| 157.5° | 190.9 | 186.0 | 180.9 | 176.4 | 173.3 | 169.9 | 168.1 | 167.7 | 168.1 | 169.9 | 173.3 |
| 160°   | 190.9 | 186.6 | 182.4 | 178.4 | 175.5 | 172.7 | 171.3 | 170.9 | 171.3 | 172.7 | 175.5 |
| 162.5° | 190.6 | 186.9 | 183.2 | 180.2 | 177.5 | 175.3 | 173.8 | 174.1 | 173.8 | 175.3 | 177.5 |
| 165°   | 189.9 | 187.3 | 184.1 | 182.0 | 180.2 | 178.0 | 177.3 | 177.7 | 177.3 | 178.0 | 180.2 |
| 167.5° | 189.3 | 187.2 | 184.9 | 183.6 | 182.3 | 180.9 | 180.3 | 180.7 | 180.3 | 180.9 | 182.3 |
| 170°   | 188.7 | 186.9 | 185.2 | 184.1 | 183.4 | 182.4 | 182.0 | 182.7 | 182.0 | 182.4 | 183.4 |
| 172.5° | 187.9 | 186.7 | 185.5 | 184.7 | 184.3 | 183.2 | 183.4 | 183.8 | 183.4 | 183.2 | 184.3 |
| 175°   | 186.9 | 186.2 | 185.5 | 185.2 | 185.2 | 184.5 | 184.8 | 185.2 | 184.8 | 184.5 | 185.2 |
| 177.5° | 186.4 | 185.8 | 185.5 | 185.5 | 185.5 | 185.0 | 185.2 | 185.8 | 185.2 | 185.0 | 185.5 |
| 180°   | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 |



TEST NUMBER: P331617-840

CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5°   | 650.9 | 649.5 | 647.1 | 643.5 | 641.3 | 637.4 | 634.9 | 636.3 | 636.7 | 636.3 | 636.0 |
| 5°     | 633.4 | 628.5 | 621.9 | 615.4 | 609.5 | 603.1 | 599.4 | 597.8 | 594.6 | 592.8 | 591.8 |
| 7.5°   | 612.2 | 603.9 | 594.5 | 583.3 | 573.8 | 563.8 | 558.8 | 556.2 | 549.7 | 546.1 | 543.0 |
| 10°    | 596.4 | 583.3 | 573.9 | 559.3 | 550.3 | 537.2 | 528.3 | 528.6 | 519.6 | 514.5 | 510.9 |
| 12.5°  | 579.0 | 564.6 | 549.0 | 535.7 | 523.3 | 512.8 | 502.0 | 497.7 | 488.2 | 483.3 | 473.4 |
| 15°    | 550.1 | 533.3 | 516.8 | 499.0 | 486.4 | 470.0 | 454.4 | 435.4 | 420.0 | 406.7 | 403.0 |
| 17.5°  | 518.6 | 497.8 | 481.2 | 460.2 | 438.6 | 411.2 | 393.1 | 382.0 | 372.8 | 365.8 | 360.5 |
| 20°    | 496.9 | 475.7 | 458.1 | 426.5 | 397.3 | 378.7 | 365.5 | 356.9 | 347.3 | 339.7 | 335.6 |
| 22.5°  | 474.1 | 452.1 | 428.0 | 392.6 | 369.9 | 355.1 | 343.3 | 333.5 | 326.9 | 321.0 | 317.2 |
| 25°    | 441.8 | 417.7 | 378.0 | 353.8 | 335.4 | 319.7 | 311.5 | 305.6 | 298.7 | 290.6 | 287.0 |
| 27.5°  | 407.7 | 369.4 | 340.8 | 322.8 | 305.3 | 295.2 | 287.7 | 278.8 | 272.7 | 269.0 | 265.2 |
| 30°    | 382.1 | 343.9 | 321.6 | 301.8 | 289.5 | 278.2 | 269.5 | 264.5 | 258.5 | 252.4 | 249.8 |
| 32.5°  | 353.8 | 323.2 | 301.7 | 285.4 | 272.8 | 263.2 | 256.3 | 248.1 | 243.9 | 240.0 | 234.8 |
| 35°    | 318.4 | 295.2 | 275.7 | 262.5 | 250.4 | 242.7 | 234.7 | 229.8 | 222.1 | 218.8 | 216.8 |
| 37.5°  | 288.5 | 268.4 | 253.9 | 239.8 | 230.4 | 221.8 | 216.8 | 209.1 | 205.8 | 201.3 | 196.9 |
| 40°    | 271.6 | 251.9 | 237.9 | 226.4 | 215.8 | 209.4 | 203.3 | 197.0 | 192.0 | 190.0 | 184.7 |
| 42.5°  | 254.4 | 238.3 | 224.3 | 211.8 | 204.7 | 197.8 | 190.1 | 185.5 | 180.3 | 176.9 | 173.7 |
| 45°    | 230.6 | 216.3 | 204.4 | 194.1 | 186.2 | 179.2 | 174.1 | 166.5 | 163.6 | 156.9 | 154.1 |
| 47.5°  | 209.6 | 196.4 | 185.0 | 175.2 | 167.6 | 163.0 | 155.6 | 149.7 | 144.9 | 140.8 | 137.2 |
| 50°    | 194.8 | 183.7 | 172.7 | 164.0 | 157.1 | 150.5 | 142.9 | 140.0 | 132.6 | 130.5 | 128.5 |
| 52.5°  | 181.2 | 170.7 | 160.7 | 152.1 | 145.2 | 138.8 | 132.1 | 128.2 | 123.2 | 121.2 | 119.7 |
| 55°    | 162.2 | 152.1 | 142.5 | 134.9 | 128.1 | 121.4 | 117.2 | 112.4 | 110.1 | 108.5 | 106.6 |
| 57.5°  | 143.1 | 134.0 | 126.6 | 119.0 | 112.0 | 106.7 | 102.0 | 99.1  | 96.7  | 94.6  | 92.4  |
| 60°    | 131.0 | 122.3 | 115.6 | 108.5 | 101.4 | 97.0  | 93.4  | 89.9  | 87.2  | 83.9  | 83.0  |
| 62.5°  | 118.2 | 110.5 | 104.4 | 97.5  | 91.3  | 87.4  | 83.8  | 80.6  | 77.3  | 72.6  | 71.3  |
| 65°    | 100.5 | 94.5  | 88.1  | 82.3  | 76.9  | 72.9  | 67.9  | 64.2  | 62.8  | 62.4  | 62.2  |
| 67.5°  | 84.5  | 78.9  | 73.3  | 67.5  | 62.5  | 58.9  | 56.2  | 55.7  | 54.7  | 54.5  | 53.8  |
| 70°    | 73.8  | 68.6  | 63.1  | 57.6  | 52.7  | 52.1  | 51.2  | 50.2  | 49.1  | 48.7  | 48.2  |
| 72.5°  | 64.3  | 58.9  | 53.3  | 49.0  | 46.9  | 46.0  | 45.1  | 44.1  | 43.4  | 42.9  | 42.7  |
| 75°    | 49.3  | 44.2  | 40.6  | 39.0  | 37.9  | 37.2  | 35.7  | 35.1  | 34.6  | 33.9  | 33.7  |
| 77.5°  | 35.5  | 32.6  | 31.0  | 30.0  | 28.8  | 28.1  | 27.3  | 26.6  | 26.1  | 26.0  | 25.5  |
| 80°    | 27.1  | 25.7  | 24.5  | 23.1  | 22.7  | 21.8  | 21.6  | 20.9  | 21.1  | 20.4  | 20.4  |
| 82.5°  | 21.0  | 19.3  | 18.3  | 17.7  | 17.2  | 16.5  | 16.3  | 16.0  | 16.0  | 15.5  | 15.5  |
| 85°    | 10.8  | 10.3  | 9.9   | 9.4   | 9.4   | 8.7   | 9.0   | 8.7   | 8.7   | 8.3   | 8.1   |
| 87.5°  | 4.3   | 4.3   | 4.3   | 4.8   | 5.3   | 5.2   | 5.2   | 4.8   | 4.7   | 4.8   | 4.7   |
| 90°    | 4.2   | 5.4   | 7.2   | 9.6   | 11.8  | 12.1  | 11.8  | 11.4  | 10.7  | 11.4  | 11.8  |
| 92.5°  | 12.8  | 16.2  | 24.2  | 35.6  | 45.7  | 46.4  | 39.2  | 31.1  | 26.7  | 23.7  | 21.5  |
| 95°    | 26.4  | 34.9  | 51.4  | 82.4  | 123.8 | 139.9 | 122.4 | 93.5  | 71.7  | 56.8  | 48.9  |
| 97.5°  | 37.5  | 47.2  | 67.8  | 111.1 | 179.9 | 238.7 | 250.4 | 218.1 | 178.4 | 139.9 | 114.1 |
| 100°   | 44.6  | 54.6  | 73.5  | 117.0 | 194.1 | 281.9 | 333.3 | 325.8 | 281.6 | 232.7 | 189.5 |
| 102.5° | 51.2  | 61.2  | 78.7  | 117.3 | 188.6 | 283.3 | 364.1 | 396.3 | 386.3 | 350.5 | 304.8 |
| 105°   | 60.7  | 70.7  | 87.5  | 119.2 | 178.0 | 264.4 | 359.3 | 433.5 | 473.8 | 478.5 | 466.8 |
| 107.5° | 70.1  | 80.2  | 96.4  | 124.1 | 172.8 | 244.1 | 328.0 | 406.7 | 467.5 | 504.5 | 521.8 |
| 110°   | 76.3  | 86.7  | 102.4 | 128.1 | 171.7 | 234.4 | 308.3 | 383.5 | 447.5 | 493.1 | 522.4 |



TEST NUMBER: P331617-840

CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 82.3  | 93.0  | 108.2 | 132.4 | 171.9 | 228.1 | 294.6 | 362.4 | 423.7 | 472.5 | 506.1 |
| 115°   | 92.1  | 101.7 | 117.0 | 138.8 | 173.4 | 221.3 | 277.6 | 336.5 | 391.4 | 438.2 | 474.9 |
| 117.5° | 101.1 | 111.1 | 125.2 | 145.6 | 176.0 | 217.8 | 266.9 | 316.9 | 365.2 | 407.6 | 442.0 |
| 120°   | 107.0 | 117.0 | 131.0 | 150.3 | 177.7 | 215.9 | 261.2 | 307.2 | 351.4 | 389.3 | 421.7 |
| 122.5° | 113.0 | 123.3 | 136.3 | 154.2 | 179.7 | 214.7 | 256.3 | 299.5 | 340.0 | 375.9 | 405.2 |
| 125°   | 121.7 | 131.7 | 144.5 | 160.6 | 182.7 | 212.7 | 249.4 | 288.3 | 325.1 | 356.5 | 383.2 |
| 127.5° | 129.3 | 139.6 | 152.1 | 166.5 | 185.7 | 211.5 | 243.0 | 277.2 | 310.5 | 340.1 | 364.8 |
| 130°   | 134.2 | 144.1 | 156.6 | 170.2 | 188.0 | 210.9 | 238.7 | 270.1 | 300.8 | 329.0 | 352.5 |
| 132.5° | 138.8 | 148.8 | 160.7 | 173.9 | 190.4 | 210.6 | 235.3 | 263.3 | 291.6 | 317.6 | 339.7 |
| 135°   | 144.9 | 154.8 | 166.3 | 178.7 | 193.1 | 210.2 | 230.5 | 253.7 | 277.2 | 300.8 | 320.7 |
| 137.5° | 150.3 | 159.6 | 170.9 | 182.5 | 195.5 | 210.1 | 227.1 | 246.1 | 265.8 | 284.5 | 301.8 |
| 140°   | 153.4 | 162.7 | 173.4 | 184.5 | 196.6 | 209.8 | 225.1 | 241.2 | 258.3 | 274.8 | 290.4 |
| 142.5° | 156.3 | 165.0 | 175.4 | 186.2 | 197.4 | 209.8 | 223.2 | 237.2 | 251.8 | 265.9 | 279.0 |
| 145°   | 161.0 | 168.7 | 178.4 | 188.4 | 198.3 | 209.0 | 220.6 | 231.6 | 243.4 | 254.4 | 264.8 |
| 147.5° | 164.8 | 171.8 | 180.9 | 189.7 | 198.6 | 207.8 | 217.8 | 227.2 | 236.5 | 245.1 | 252.7 |
| 150°   | 167.3 | 173.8 | 182.0 | 190.2 | 198.3 | 206.9 | 215.5 | 224.1 | 232.0 | 239.4 | 245.8 |
| 152.5° | 170.0 | 175.7 | 183.1 | 190.5 | 197.8 | 205.5 | 213.5 | 221.0 | 228.2 | 234.6 | 240.1 |
| 155°   | 173.4 | 178.7 | 184.8 | 190.9 | 196.9 | 203.0 | 209.8 | 216.6 | 222.3 | 227.6 | 231.6 |
| 157.5° | 176.4 | 180.9 | 186.0 | 190.9 | 195.3 | 200.5 | 206.3 | 211.6 | 216.3 | 220.8 | 223.9 |
| 160°   | 178.4 | 182.4 | 186.6 | 190.9 | 194.5 | 198.7 | 203.7 | 208.3 | 212.3 | 216.2 | 218.7 |
| 162.5° | 180.2 | 183.2 | 186.9 | 190.6 | 193.6 | 197.3 | 201.5 | 205.2 | 208.6 | 212.0 | 213.9 |
| 165°   | 182.0 | 184.1 | 187.3 | 189.9 | 192.0 | 194.5 | 197.6 | 200.6 | 203.0 | 205.5 | 206.9 |
| 167.5° | 183.6 | 184.9 | 187.2 | 189.3 | 190.4 | 192.0 | 194.0 | 196.0 | 197.9 | 199.7 | 201.0 |
| 170°   | 184.1 | 185.2 | 186.9 | 188.7 | 189.5 | 190.6 | 192.0 | 193.8 | 194.8 | 196.2 | 196.9 |
| 172.5° | 184.7 | 185.5 | 186.7 | 187.9 | 188.3 | 188.8 | 190.0 | 191.2 | 192.0 | 193.1 | 193.5 |
| 175°   | 185.2 | 185.5 | 186.2 | 186.9 | 186.6 | 186.9 | 187.3 | 188.4 | 188.7 | 189.1 | 189.5 |
| 177.5° | 185.5 | 185.5 | 185.8 | 186.4 | 185.8 | 185.5 | 185.8 | 186.4 | 186.4 | 186.7 | 186.7 |
| 180°   | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 |



TEST NUMBER: P331617-840

CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5°   | 634.0 | 634.3 | 633.8 | 634.1 | 633.8 | 634.3 | 634.0 | 636.0 | 636.3 | 636.7 | 636.3 |
| 5°     | 590.7 | 587.9 | 587.4 | 586.8 | 587.4 | 587.9 | 590.7 | 591.8 | 592.8 | 594.6 | 597.8 |
| 7.5°   | 539.1 | 538.7 | 537.5 | 535.8 | 537.5 | 538.7 | 539.1 | 543.0 | 546.1 | 549.7 | 556.2 |
| 10°    | 505.8 | 504.6 | 504.4 | 502.8 | 504.4 | 504.6 | 505.8 | 510.9 | 514.5 | 519.6 | 528.6 |
| 12.5°  | 466.9 | 459.5 | 458.8 | 454.7 | 458.8 | 459.5 | 466.9 | 473.4 | 483.3 | 488.2 | 497.7 |
| 15°    | 397.6 | 396.2 | 391.5 | 388.6 | 391.5 | 396.2 | 397.6 | 403.0 | 406.7 | 420.0 | 435.4 |
| 17.5°  | 357.9 | 353.4 | 351.9 | 351.3 | 351.9 | 353.4 | 357.9 | 360.5 | 365.8 | 372.8 | 382.0 |
| 20°    | 332.3 | 328.3 | 327.6 | 327.1 | 327.6 | 328.3 | 332.3 | 335.6 | 339.7 | 347.3 | 356.9 |
| 22.5°  | 314.8 | 310.4 | 308.7 | 307.3 | 308.7 | 310.4 | 314.8 | 317.2 | 321.0 | 326.9 | 333.5 |
| 25°    | 284.7 | 283.1 | 282.2 | 281.7 | 282.2 | 283.1 | 284.7 | 287.0 | 290.6 | 298.7 | 305.6 |
| 27.5°  | 261.2 | 257.6 | 256.9 | 255.7 | 256.9 | 257.6 | 261.2 | 265.2 | 269.0 | 272.7 | 278.8 |
| 30°    | 247.7 | 246.6 | 245.0 | 243.6 | 245.0 | 246.6 | 247.7 | 249.8 | 252.4 | 258.5 | 264.5 |
| 32.5°  | 232.0 | 231.0 | 229.5 | 228.9 | 229.5 | 231.0 | 232.0 | 234.8 | 240.0 | 243.9 | 248.1 |
| 35°    | 214.5 | 211.3 | 209.8 | 207.8 | 209.8 | 211.3 | 214.5 | 216.8 | 218.8 | 222.1 | 229.8 |
| 37.5°  | 196.0 | 194.3 | 192.4 | 193.1 | 192.4 | 194.3 | 196.0 | 196.9 | 201.3 | 205.8 | 209.1 |
| 40°    | 181.7 | 180.6 | 180.1 | 179.9 | 180.1 | 180.6 | 181.7 | 184.7 | 190.0 | 192.0 | 197.0 |
| 42.5°  | 170.3 | 167.1 | 165.9 | 165.9 | 165.9 | 167.1 | 170.3 | 173.7 | 176.9 | 180.3 | 185.5 |
| 45°    | 153.0 | 150.1 | 147.9 | 148.1 | 147.9 | 150.1 | 153.0 | 154.1 | 156.9 | 163.6 | 166.5 |
| 47.5°  | 135.3 | 135.2 | 133.9 | 134.3 | 133.9 | 135.2 | 135.3 | 137.2 | 140.8 | 144.9 | 149.7 |
| 50°    | 126.8 | 125.5 | 124.5 | 124.8 | 124.5 | 125.5 | 126.8 | 128.5 | 130.5 | 132.6 | 140.0 |
| 52.5°  | 118.8 | 117.5 | 116.8 | 117.9 | 116.8 | 117.5 | 118.8 | 119.7 | 121.2 | 123.2 | 128.2 |
| 55°    | 105.5 | 104.1 | 103.9 | 103.7 | 103.9 | 104.1 | 105.5 | 106.6 | 108.5 | 110.1 | 112.4 |
| 57.5°  | 90.7  | 89.8  | 88.4  | 87.9  | 88.4  | 89.8  | 90.7  | 92.4  | 94.6  | 96.7  | 99.1  |
| 60°    | 80.1  | 78.3  | 75.9  | 75.7  | 75.9  | 78.3  | 80.1  | 83.0  | 83.9  | 87.2  | 89.9  |
| 62.5°  | 70.3  | 70.0  | 69.5  | 69.5  | 69.5  | 70.0  | 70.3  | 71.3  | 72.6  | 77.3  | 80.6  |
| 65°    | 61.7  | 61.5  | 61.7  | 61.9  | 61.7  | 61.5  | 61.7  | 62.2  | 62.4  | 62.8  | 64.2  |
| 67.5°  | 53.7  | 53.3  | 52.9  | 53.1  | 52.9  | 53.3  | 53.7  | 53.8  | 54.5  | 54.7  | 55.7  |
| 70°    | 47.7  | 47.5  | 47.3  | 47.3  | 47.3  | 47.5  | 47.7  | 48.2  | 48.7  | 49.1  | 50.2  |
| 72.5°  | 41.8  | 41.8  | 41.6  | 41.4  | 41.6  | 41.8  | 41.8  | 42.7  | 42.9  | 43.4  | 44.1  |
| 75°    | 33.5  | 33.0  | 33.0  | 33.0  | 33.0  | 33.0  | 33.5  | 33.7  | 33.9  | 34.6  | 35.1  |
| 77.5°  | 25.5  | 25.2  | 25.0  | 24.8  | 25.0  | 25.2  | 25.5  | 25.5  | 26.0  | 26.1  | 26.6  |
| 80°    | 20.2  | 20.0  | 19.7  | 19.7  | 19.7  | 20.0  | 20.2  | 20.4  | 20.4  | 21.1  | 20.9  |
| 82.5°  | 15.5  | 15.1  | 15.1  | 14.9  | 15.1  | 15.1  | 15.5  | 15.5  | 15.5  | 16.0  | 16.0  |
| 85°    | 8.3   | 8.5   | 8.3   | 8.7   | 8.3   | 8.5   | 8.3   | 8.1   | 8.3   | 8.7   | 8.7   |
| 87.5°  | 4.7   | 4.5   | 4.7   | 4.5   | 4.7   | 4.5   | 4.7   | 4.7   | 4.8   | 4.7   | 4.8   |
| 90°    | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.4  | 10.7  | 11.4  |
| 92.5°  | 21.2  | 20.1  | 20.3  | 19.8  | 20.3  | 20.1  | 21.2  | 21.5  | 23.7  | 26.7  | 31.1  |
| 95°    | 44.2  | 41.4  | 40.3  | 40.7  | 40.3  | 41.4  | 44.2  | 48.9  | 56.8  | 71.7  | 93.5  |
| 97.5°  | 97.0  | 88.3  | 83.1  | 80.1  | 83.1  | 88.3  | 97.0  | 114.1 | 139.9 | 178.4 | 218.1 |
| 100°   | 159.9 | 144.5 | 134.2 | 127.7 | 134.2 | 144.5 | 159.9 | 189.5 | 232.7 | 281.6 | 325.8 |
| 102.5° | 272.6 | 246.4 | 233.5 | 224.8 | 233.5 | 246.4 | 272.6 | 304.8 | 350.5 | 386.3 | 396.3 |
| 105°   | 444.5 | 422.4 | 407.1 | 402.1 | 407.1 | 422.4 | 444.5 | 466.8 | 478.5 | 473.8 | 433.5 |
| 107.5° | 524.6 | 523.4 | 520.3 | 513.7 | 520.3 | 523.4 | 524.6 | 521.8 | 504.5 | 467.5 | 406.7 |
| 110°   | 537.8 | 544.5 | 547.8 | 547.3 | 547.8 | 544.5 | 537.8 | 522.4 | 493.1 | 447.5 | 383.5 |



TEST NUMBER: P331617-840  
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**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 527.5 | 538.8 | 544.8 | 546.7 | 544.8 | 538.8 | 527.5 | 506.1 | 472.5 | 423.7 | 362.4 |
| 115°   | 500.3 | 516.6 | 525.9 | 529.2 | 525.9 | 516.6 | 500.3 | 474.9 | 438.2 | 391.4 | 336.5 |
| 117.5° | 467.9 | 485.2 | 494.9 | 497.7 | 494.9 | 485.2 | 467.9 | 442.0 | 407.6 | 365.2 | 316.9 |
| 120°   | 446.8 | 463.5 | 473.8 | 477.5 | 473.8 | 463.5 | 446.8 | 421.7 | 389.3 | 351.4 | 307.2 |
| 122.5° | 427.6 | 444.1 | 453.3 | 456.3 | 453.3 | 444.1 | 427.6 | 405.2 | 375.9 | 340.0 | 299.5 |
| 125°   | 403.9 | 417.5 | 426.4 | 429.3 | 426.4 | 417.5 | 403.9 | 383.2 | 356.5 | 325.1 | 288.3 |
| 127.5° | 382.8 | 395.6 | 403.2 | 405.6 | 403.2 | 395.6 | 382.8 | 364.8 | 340.1 | 310.5 | 277.2 |
| 130°   | 370.0 | 382.1 | 389.3 | 392.1 | 389.3 | 382.1 | 370.0 | 352.5 | 329.0 | 300.8 | 270.1 |
| 132.5° | 356.9 | 369.0 | 375.6 | 378.2 | 375.6 | 369.0 | 356.9 | 339.7 | 317.6 | 291.6 | 263.3 |
| 135°   | 336.1 | 347.9 | 354.4 | 355.8 | 354.4 | 347.9 | 336.1 | 320.7 | 300.8 | 277.2 | 253.7 |
| 137.5° | 315.9 | 326.0 | 331.6 | 333.8 | 331.6 | 326.0 | 315.9 | 301.8 | 284.5 | 265.8 | 246.1 |
| 140°   | 301.8 | 311.1 | 316.5 | 318.6 | 316.5 | 311.1 | 301.8 | 290.4 | 274.8 | 258.3 | 241.2 |
| 142.5° | 289.8 | 298.3 | 303.1 | 303.5 | 303.1 | 298.3 | 289.8 | 279.0 | 265.9 | 251.8 | 237.2 |
| 145°   | 273.3 | 279.4 | 283.0 | 284.0 | 283.0 | 279.4 | 273.3 | 264.8 | 254.4 | 243.4 | 231.6 |
| 147.5° | 259.7 | 264.6 | 267.0 | 267.7 | 267.0 | 264.6 | 259.7 | 252.7 | 245.1 | 236.5 | 227.2 |
| 150°   | 251.2 | 255.5 | 257.6 | 258.0 | 257.6 | 255.5 | 251.2 | 245.8 | 239.4 | 232.0 | 224.1 |
| 152.5° | 244.4 | 248.0 | 249.6 | 249.7 | 249.6 | 248.0 | 244.4 | 240.1 | 234.6 | 228.2 | 221.0 |
| 155°   | 235.5 | 238.0 | 239.4 | 238.7 | 239.4 | 238.0 | 235.5 | 231.6 | 227.6 | 222.3 | 216.6 |
| 157.5° | 226.6 | 228.7 | 229.3 | 229.3 | 229.3 | 228.7 | 226.6 | 223.9 | 220.8 | 216.3 | 211.6 |
| 160°   | 221.3 | 223.0 | 223.4 | 223.4 | 223.4 | 223.0 | 221.3 | 218.7 | 216.2 | 212.3 | 208.3 |
| 162.5° | 216.4 | 217.6 | 217.9 | 217.6 | 217.9 | 217.6 | 216.4 | 213.9 | 212.0 | 208.6 | 205.2 |
| 165°   | 208.3 | 209.8 | 209.8 | 209.4 | 209.8 | 209.8 | 208.3 | 206.9 | 205.5 | 203.0 | 200.6 |
| 167.5° | 201.6 | 202.4 | 202.3 | 201.9 | 202.3 | 202.4 | 201.6 | 201.0 | 199.7 | 197.9 | 196.0 |
| 170°   | 197.3 | 198.3 | 198.0 | 197.3 | 198.0 | 198.3 | 197.3 | 196.9 | 196.2 | 194.8 | 193.8 |
| 172.5° | 193.9 | 194.4 | 194.0 | 193.6 | 194.0 | 194.4 | 193.9 | 193.5 | 193.1 | 192.0 | 191.2 |
| 175°   | 189.5 | 189.9 | 189.5 | 188.7 | 189.5 | 189.9 | 189.5 | 189.5 | 189.1 | 188.7 | 188.4 |
| 177.5° | 186.7 | 186.7 | 186.4 | 185.8 | 186.4 | 186.7 | 186.7 | 186.7 | 186.7 | 186.4 | 186.4 |
| 180°   | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5°   | 634.9 | 637.4 | 641.3 | 643.5 | 647.1 | 649.5 | 650.9 | 653.2 | 654.5 | 659.1 | 663.9 |
| 5°     | 599.4 | 603.1 | 609.5 | 615.4 | 621.9 | 628.5 | 633.4 | 638.8 | 643.9 | 652.6 | 661.8 |
| 7.5°   | 558.8 | 563.8 | 573.8 | 583.3 | 594.5 | 603.9 | 612.2 | 621.6 | 630.0 | 642.5 | 655.5 |
| 10°    | 528.3 | 537.2 | 550.3 | 559.3 | 573.9 | 583.3 | 596.4 | 606.7 | 618.4 | 635.0 | 649.6 |
| 12.5°  | 502.0 | 512.8 | 523.3 | 535.7 | 549.0 | 564.6 | 579.0 | 592.3 | 606.1 | 623.2 | 640.5 |
| 15°    | 454.4 | 470.0 | 486.4 | 499.0 | 516.8 | 533.3 | 550.1 | 567.9 | 584.9 | 605.4 | 627.8 |
| 17.5°  | 393.1 | 411.2 | 438.6 | 460.2 | 481.2 | 497.8 | 518.6 | 540.2 | 560.2 | 584.8 | 609.9 |
| 20°    | 365.5 | 378.7 | 397.3 | 426.5 | 458.1 | 475.7 | 496.9 | 520.7 | 543.6 | 570.5 | 597.3 |
| 22.5°  | 343.3 | 355.1 | 369.9 | 392.6 | 428.0 | 452.1 | 474.1 | 498.4 | 524.9 | 552.3 | 582.1 |
| 25°    | 311.5 | 319.7 | 335.4 | 353.8 | 378.0 | 417.7 | 441.8 | 466.2 | 495.0 | 524.4 | 558.4 |
| 27.5°  | 287.7 | 295.2 | 305.3 | 322.8 | 340.8 | 369.4 | 407.7 | 434.2 | 463.0 | 496.0 | 531.3 |
| 30°    | 269.5 | 278.2 | 289.5 | 301.8 | 321.6 | 343.9 | 382.1 | 412.9 | 441.3 | 475.3 | 512.9 |
| 32.5°  | 256.3 | 263.2 | 272.8 | 285.4 | 301.7 | 323.2 | 353.8 | 391.0 | 418.8 | 454.5 | 493.8 |
| 35°    | 234.7 | 242.7 | 250.4 | 262.5 | 275.7 | 295.2 | 318.4 | 358.3 | 385.9 | 421.1 | 460.6 |
| 37.5°  | 216.8 | 221.8 | 230.4 | 239.8 | 253.9 | 268.4 | 288.5 | 324.3 | 354.1 | 388.7 | 429.1 |
| 40°    | 203.3 | 209.4 | 215.8 | 226.4 | 237.9 | 251.9 | 271.6 | 298.2 | 332.3 | 366.4 | 405.8 |
| 42.5°  | 190.1 | 197.8 | 204.7 | 211.8 | 224.3 | 238.3 | 254.4 | 276.9 | 311.8 | 344.0 | 382.3 |
| 45°    | 174.1 | 179.2 | 186.2 | 194.1 | 204.4 | 216.3 | 230.6 | 250.2 | 283.8 | 311.5 | 347.5 |
| 47.5°  | 155.6 | 163.0 | 167.6 | 175.2 | 185.0 | 196.4 | 209.6 | 226.7 | 253.8 | 279.8 | 313.3 |
| 50°    | 142.9 | 150.5 | 157.1 | 164.0 | 172.7 | 183.7 | 194.8 | 211.3 | 233.1 | 260.3 | 291.5 |
| 52.5°  | 132.1 | 138.8 | 145.2 | 152.1 | 160.7 | 170.7 | 181.2 | 195.7 | 214.3 | 239.4 | 269.7 |
| 55°    | 117.2 | 121.4 | 128.1 | 134.9 | 142.5 | 152.1 | 162.2 | 174.3 | 190.4 | 211.5 | 236.0 |
| 57.5°  | 102.0 | 106.7 | 112.0 | 119.0 | 126.6 | 134.0 | 143.1 | 154.1 | 166.7 | 185.8 | 206.8 |
| 60°    | 93.4  | 97.0  | 101.4 | 108.5 | 115.6 | 122.3 | 131.0 | 140.2 | 152.1 | 168.6 | 186.5 |
| 62.5°  | 83.8  | 87.4  | 91.3  | 97.5  | 104.4 | 110.5 | 118.2 | 127.8 | 137.9 | 153.0 | 168.6 |
| 65°    | 67.9  | 72.9  | 76.9  | 82.3  | 88.1  | 94.5  | 100.5 | 108.3 | 117.2 | 129.2 | 143.1 |
| 67.5°  | 56.2  | 58.9  | 62.5  | 67.5  | 73.3  | 78.9  | 84.5  | 90.6  | 98.4  | 107.6 | 118.7 |
| 70°    | 51.2  | 52.1  | 52.7  | 57.6  | 63.1  | 68.6  | 73.8  | 79.6  | 86.2  | 93.8  | 103.4 |
| 72.5°  | 45.1  | 46.0  | 46.9  | 49.0  | 53.3  | 58.9  | 64.3  | 68.6  | 74.8  | 81.2  | 89.0  |
| 75°    | 35.7  | 37.2  | 37.9  | 39.0  | 40.6  | 44.2  | 49.3  | 53.4  | 57.2  | 61.9  | 68.2  |
| 77.5°  | 27.3  | 28.1  | 28.8  | 30.0  | 31.0  | 32.6  | 35.5  | 39.2  | 42.7  | 45.4  | 49.7  |
| 80°    | 21.6  | 21.8  | 22.7  | 23.1  | 24.5  | 25.7  | 27.1  | 30.1  | 33.5  | 34.6  | 37.7  |
| 82.5°  | 16.3  | 16.5  | 17.2  | 17.7  | 18.3  | 19.3  | 21.0  | 21.8  | 24.5  | 26.1  | 27.9  |
| 85°    | 9.0   | 8.7   | 9.4   | 9.4   | 9.9   | 10.3  | 10.8  | 11.9  | 12.6  | 14.4  | 14.9  |
| 87.5°  | 5.2   | 5.2   | 5.3   | 4.8   | 4.3   | 4.3   | 4.3   | 4.3   | 4.6   | 4.8   | 5.4   |
| 90°    | 11.8  | 12.1  | 11.8  | 9.6   | 7.2   | 5.4   | 4.2   | 3.5   | 2.8   | 1.4   | 0.4   |
| 92.5°  | 39.2  | 46.4  | 45.7  | 35.6  | 24.2  | 16.2  | 12.8  | 10.4  | 8.9   | 6.3   | 4.3   |
| 95°    | 122.4 | 139.9 | 123.8 | 82.4  | 51.4  | 34.9  | 26.4  | 20.7  | 17.5  | 13.9  | 12.5  |
| 97.5°  | 250.4 | 238.7 | 179.9 | 111.1 | 67.8  | 47.2  | 37.5  | 30.9  | 26.1  | 22.2  | 20.3  |
| 100°   | 333.3 | 281.9 | 194.1 | 117.0 | 73.5  | 54.6  | 44.6  | 37.5  | 31.7  | 28.6  | 27.5  |
| 102.5° | 364.1 | 283.3 | 188.6 | 117.3 | 78.7  | 61.2  | 51.2  | 43.7  | 38.1  | 34.8  | 34.0  |
| 105°   | 359.3 | 264.4 | 178.0 | 119.2 | 87.5  | 70.7  | 60.7  | 52.8  | 47.5  | 44.9  | 43.5  |
| 107.5° | 328.0 | 244.1 | 172.8 | 124.1 | 96.4  | 80.2  | 70.1  | 62.3  | 57.4  | 54.9  | 53.8  |
| 110°   | 308.3 | 234.4 | 171.7 | 128.1 | 102.4 | 86.7  | 76.3  | 68.9  | 64.2  | 62.1  | 60.7  |



TEST NUMBER: P331617-840

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**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 294.6 | 228.1 | 171.9 | 132.4 | 108.2 | 93.0  | 82.3  | 75.1  | 70.8  | 68.4  | 67.0  |
| 115°   | 277.6 | 221.3 | 173.4 | 138.8 | 117.0 | 101.7 | 92.1  | 84.9  | 80.7  | 78.5  | 76.7  |
| 117.5° | 266.9 | 217.8 | 176.0 | 145.6 | 125.2 | 111.1 | 101.1 | 94.2  | 90.4  | 88.3  | 86.8  |
| 120°   | 261.2 | 215.9 | 177.7 | 150.3 | 131.0 | 117.0 | 107.0 | 99.9  | 96.7  | 94.5  | 93.1  |
| 122.5° | 256.3 | 214.7 | 179.7 | 154.2 | 136.3 | 123.3 | 113.0 | 105.9 | 102.4 | 100.3 | 99.2  |
| 125°   | 249.4 | 212.7 | 182.7 | 160.6 | 144.5 | 131.7 | 121.7 | 114.5 | 110.3 | 108.2 | 107.0 |
| 127.5° | 243.0 | 211.5 | 185.7 | 166.5 | 152.1 | 139.6 | 129.3 | 122.5 | 117.8 | 114.7 | 113.3 |
| 130°   | 238.7 | 210.9 | 188.0 | 170.2 | 156.6 | 144.1 | 134.2 | 127.0 | 122.0 | 118.5 | 117.0 |
| 132.5° | 235.3 | 210.6 | 190.4 | 173.9 | 160.7 | 148.8 | 138.8 | 131.3 | 126.0 | 122.2 | 120.5 |
| 135°   | 230.5 | 210.2 | 193.1 | 178.7 | 166.3 | 154.8 | 144.9 | 136.6 | 131.3 | 127.0 | 125.6 |
| 137.5° | 227.1 | 210.1 | 195.5 | 182.5 | 170.9 | 159.6 | 150.3 | 142.2 | 136.4 | 132.2 | 130.5 |
| 140°   | 225.1 | 209.8 | 196.6 | 184.5 | 173.4 | 162.7 | 153.4 | 145.6 | 139.9 | 135.6 | 134.2 |
| 142.5° | 223.2 | 209.8 | 197.4 | 186.2 | 175.4 | 165.0 | 156.3 | 148.8 | 143.0 | 139.1 | 137.8 |
| 145°   | 220.6 | 209.0 | 198.3 | 188.4 | 178.4 | 168.7 | 161.0 | 153.8 | 148.5 | 144.9 | 143.4 |
| 147.5° | 217.8 | 207.8 | 198.6 | 189.7 | 180.9 | 171.8 | 164.8 | 158.9 | 153.9 | 150.5 | 149.5 |
| 150°   | 215.5 | 206.9 | 198.3 | 190.2 | 182.0 | 173.8 | 167.3 | 162.0 | 157.3 | 154.5 | 153.4 |
| 152.5° | 213.5 | 205.5 | 197.8 | 190.5 | 183.1 | 175.7 | 170.0 | 164.8 | 160.8 | 157.9 | 157.4 |
| 155°   | 209.8 | 203.0 | 196.9 | 190.9 | 184.8 | 178.7 | 173.4 | 169.5 | 165.5 | 163.4 | 163.1 |
| 157.5° | 206.3 | 200.5 | 195.3 | 190.9 | 186.0 | 180.9 | 176.4 | 173.3 | 169.9 | 168.1 | 167.7 |
| 160°   | 203.7 | 198.7 | 194.5 | 190.9 | 186.6 | 182.4 | 178.4 | 175.5 | 172.7 | 171.3 | 170.9 |
| 162.5° | 201.5 | 197.3 | 193.6 | 190.6 | 186.9 | 183.2 | 180.2 | 177.5 | 175.3 | 173.8 | 174.1 |
| 165°   | 197.6 | 194.5 | 192.0 | 189.9 | 187.3 | 184.1 | 182.0 | 180.2 | 178.0 | 177.3 | 177.7 |
| 167.5° | 194.0 | 192.0 | 190.4 | 189.3 | 187.2 | 184.9 | 183.6 | 182.3 | 180.9 | 180.3 | 180.7 |
| 170°   | 192.0 | 190.6 | 189.5 | 188.7 | 186.9 | 185.2 | 184.1 | 183.4 | 182.4 | 182.0 | 182.7 |
| 172.5° | 190.0 | 188.8 | 188.3 | 187.9 | 186.7 | 185.5 | 184.7 | 184.3 | 183.2 | 183.4 | 183.8 |
| 175°   | 187.3 | 186.9 | 186.6 | 186.9 | 186.2 | 185.5 | 185.2 | 185.2 | 184.5 | 184.8 | 185.2 |
| 177.5° | 185.8 | 185.5 | 185.8 | 186.4 | 185.8 | 185.5 | 185.5 | 185.5 | 185.0 | 185.2 | 185.8 |
| 180°   | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 |



TEST NUMBER: P331617-840

CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5°   | 664.1 | 664.6 | 668.2 | 669.9 | 673.2 | 674.5 | 676.0 | 675.6 | 675.6 | 676.3 | 681.5 |
| 5°     | 665.5 | 670.0 | 676.9 | 683.6 | 690.0 | 695.5 | 699.2 | 702.9 | 704.3 | 710.8 | 716.8 |
| 7.5°   | 663.1 | 671.6 | 682.9 | 693.1 | 705.2 | 714.7 | 722.6 | 729.7 | 734.6 | 744.3 | 754.2 |
| 10°    | 659.9 | 671.9 | 684.7 | 697.8 | 714.6 | 727.2 | 740.0 | 749.9 | 753.1 | 767.5 | 775.8 |
| 12.5°  | 653.7 | 669.6 | 686.0 | 703.0 | 719.3 | 736.7 | 750.8 | 760.7 | 772.0 | 785.0 | 800.2 |
| 15°    | 644.4 | 662.7 | 684.1 | 705.8 | 729.2 | 750.3 | 765.5 | 782.6 | 795.1 | 809.3 | 822.6 |
| 17.5°  | 631.0 | 654.6 | 681.7 | 706.9 | 734.0 | 756.6 | 777.5 | 794.0 | 802.6 | 810.8 | 812.7 |
| 20°    | 620.3 | 645.7 | 677.6 | 707.4 | 734.5 | 760.6 | 781.3 | 795.1 | 797.4 | 797.6 | 785.5 |
| 22.5°  | 608.7 | 637.5 | 670.9 | 701.4 | 733.8 | 762.9 | 778.9 | 784.8 | 775.7 | 760.1 | 736.6 |
| 25°    | 587.4 | 620.8 | 659.5 | 694.4 | 729.7 | 757.2 | 762.8 | 752.5 | 720.5 | 687.0 | 644.6 |
| 27.5°  | 564.4 | 601.9 | 643.4 | 682.2 | 719.8 | 736.9 | 725.0 | 687.7 | 630.4 | 580.4 | 519.9 |
| 30°    | 547.5 | 589.6 | 630.4 | 673.7 | 708.6 | 715.9 | 688.6 | 633.8 | 566.8 | 491.6 | 431.2 |
| 32.5°  | 528.3 | 572.3 | 617.1 | 662.0 | 691.2 | 684.0 | 638.9 | 571.4 | 492.9 | 418.9 | 361.9 |
| 35°    | 500.8 | 546.1 | 594.6 | 639.5 | 658.1 | 627.1 | 559.7 | 471.8 | 391.5 | 322.6 | 283.3 |
| 37.5°  | 469.0 | 518.5 | 568.8 | 610.1 | 608.7 | 557.1 | 465.2 | 374.6 | 307.1 | 266.2 | 238.3 |
| 40°    | 446.4 | 496.4 | 550.8 | 585.6 | 570.8 | 503.5 | 403.9 | 318.4 | 269.0 | 236.5 | 216.1 |
| 42.5°  | 424.7 | 474.9 | 529.0 | 556.6 | 530.7 | 448.1 | 348.9 | 281.9 | 241.2 | 215.8 | 199.2 |
| 45°    | 387.9 | 440.9 | 490.9 | 506.2 | 459.9 | 368.9 | 282.2 | 233.5 | 206.4 | 187.6 | 176.2 |
| 47.5°  | 351.8 | 404.0 | 449.7 | 449.9 | 387.3 | 299.1 | 238.0 | 202.1 | 178.9 | 164.4 | 156.1 |
| 50°    | 329.8 | 379.4 | 417.7 | 411.7 | 340.6 | 266.1 | 212.9 | 181.9 | 162.7 | 151.4 | 142.7 |
| 52.5°  | 305.1 | 353.1 | 386.4 | 369.4 | 301.1 | 234.2 | 190.3 | 164.3 | 148.3 | 138.6 | 130.8 |
| 55°    | 269.0 | 311.7 | 335.2 | 309.4 | 245.7 | 194.8 | 160.8 | 140.4 | 128.5 | 120.2 | 113.5 |
| 57.5°  | 233.7 | 268.9 | 283.6 | 253.7 | 202.4 | 161.5 | 136.0 | 120.7 | 108.9 | 102.9 | 99.5  |
| 60°    | 211.5 | 241.6 | 251.9 | 218.8 | 175.9 | 141.3 | 120.5 | 106.2 | 97.5  | 93.6  | 90.2  |
| 62.5°  | 189.7 | 214.2 | 218.4 | 188.2 | 153.4 | 123.7 | 105.7 | 93.7  | 88.0  | 84.2  | 81.0  |
| 65°    | 157.3 | 175.0 | 173.0 | 148.7 | 121.4 | 98.2  | 85.1  | 77.8  | 73.4  | 68.2  | 62.4  |
| 67.5°  | 129.6 | 140.4 | 133.8 | 115.6 | 92.6  | 76.3  | 67.8  | 62.2  | 56.8  | 51.8  | 50.5  |
| 70°    | 111.9 | 118.2 | 111.3 | 94.5  | 75.9  | 64.0  | 57.2  | 50.5  | 47.3  | 46.2  | 44.0  |
| 72.5°  | 95.0  | 97.3  | 89.8  | 75.4  | 61.8  | 53.0  | 46.3  | 42.6  | 40.8  | 39.9  | 38.6  |
| 75°    | 71.3  | 69.8  | 63.3  | 52.1  | 42.9  | 37.0  | 34.8  | 33.5  | 32.3  | 31.4  | 30.7  |
| 77.5°  | 50.1  | 47.8  | 42.0  | 34.6  | 29.9  | 27.1  | 25.8  | 25.0  | 24.5  | 24.0  | 23.3  |
| 80°    | 37.7  | 36.1  | 30.3  | 24.7  | 22.7  | 21.3  | 20.6  | 19.7  | 19.7  | 19.3  | 18.6  |
| 82.5°  | 27.6  | 25.8  | 20.7  | 18.2  | 17.1  | 16.2  | 15.7  | 15.1  | 14.9  | 15.0  | 14.5  |
| 85°    | 14.4  | 11.7  | 10.3  | 9.9   | 9.2   | 8.7   | 9.0   | 8.5   | 8.5   | 8.5   | 8.3   |
| 87.5°  | 4.6   | 4.0   | 4.0   | 3.9   | 4.3   | 4.7   | 5.0   | 5.5   | 5.8   | 5.5   | 5.6   |
| 90°    | 1.4   | 2.8   | 3.5   | 4.2   | 5.4   | 7.2   | 9.6   | 11.8  | 12.1  | 11.8  | 11.4  |
| 92.5°  | 6.3   | 8.9   | 10.4  | 12.8  | 16.2  | 24.2  | 35.6  | 45.7  | 46.4  | 39.2  | 31.1  |
| 95°    | 13.9  | 17.5  | 20.7  | 26.4  | 34.9  | 51.4  | 82.4  | 123.8 | 139.9 | 122.4 | 93.5  |
| 97.5°  | 22.2  | 26.1  | 30.9  | 37.5  | 47.2  | 67.8  | 111.1 | 179.9 | 238.7 | 250.4 | 218.1 |
| 100°   | 28.6  | 31.7  | 37.5  | 44.6  | 54.6  | 73.5  | 117.0 | 194.1 | 281.9 | 333.3 | 325.8 |
| 102.5° | 34.8  | 38.1  | 43.7  | 51.2  | 61.2  | 78.7  | 117.3 | 188.6 | 283.3 | 364.1 | 396.3 |
| 105°   | 44.9  | 47.5  | 52.8  | 60.7  | 70.7  | 87.5  | 119.2 | 178.0 | 264.4 | 359.3 | 433.5 |
| 107.5° | 54.9  | 57.4  | 62.3  | 70.1  | 80.2  | 96.4  | 124.1 | 172.8 | 244.1 | 328.0 | 406.7 |
| 110°   | 62.1  | 64.2  | 68.9  | 76.3  | 86.7  | 102.4 | 128.1 | 171.7 | 234.4 | 308.3 | 383.5 |





TEST NUMBER: P331617-840

CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 68.4  | 70.8  | 75.1  | 82.3  | 93.0  | 108.2 | 132.4 | 171.9 | 228.1 | 294.6 | 362.4 |
| 115°   | 78.5  | 80.7  | 84.9  | 92.1  | 101.7 | 117.0 | 138.8 | 173.4 | 221.3 | 277.6 | 336.5 |
| 117.5° | 88.3  | 90.4  | 94.2  | 101.1 | 111.1 | 125.2 | 145.6 | 176.0 | 217.8 | 266.9 | 316.9 |
| 120°   | 94.5  | 96.7  | 99.9  | 107.0 | 117.0 | 131.0 | 150.3 | 177.7 | 215.9 | 261.2 | 307.2 |
| 122.5° | 100.3 | 102.4 | 105.9 | 113.0 | 123.3 | 136.3 | 154.2 | 179.7 | 214.7 | 256.3 | 299.5 |
| 125°   | 108.2 | 110.3 | 114.5 | 121.7 | 131.7 | 144.5 | 160.6 | 182.7 | 212.7 | 249.4 | 288.3 |
| 127.5° | 114.7 | 117.8 | 122.5 | 129.3 | 139.6 | 152.1 | 166.5 | 185.7 | 211.5 | 243.0 | 277.2 |
| 130°   | 118.5 | 122.0 | 127.0 | 134.2 | 144.1 | 156.6 | 170.2 | 188.0 | 210.9 | 238.7 | 270.1 |
| 132.5° | 122.2 | 126.0 | 131.3 | 138.8 | 148.8 | 160.7 | 173.9 | 190.4 | 210.6 | 235.3 | 263.3 |
| 135°   | 127.0 | 131.3 | 136.6 | 144.9 | 154.8 | 166.3 | 178.7 | 193.1 | 210.2 | 230.5 | 253.7 |
| 137.5° | 132.2 | 136.4 | 142.2 | 150.3 | 159.6 | 170.9 | 182.5 | 195.5 | 210.1 | 227.1 | 246.1 |
| 140°   | 135.6 | 139.9 | 145.6 | 153.4 | 162.7 | 173.4 | 184.5 | 196.6 | 209.8 | 225.1 | 241.2 |
| 142.5° | 139.1 | 143.0 | 148.8 | 156.3 | 165.0 | 175.4 | 186.2 | 197.4 | 209.8 | 223.2 | 237.2 |
| 145°   | 144.9 | 148.5 | 153.8 | 161.0 | 168.7 | 178.4 | 188.4 | 198.3 | 209.0 | 220.6 | 231.6 |
| 147.5° | 150.5 | 153.9 | 158.9 | 164.8 | 171.8 | 180.9 | 189.7 | 198.6 | 207.8 | 217.8 | 227.2 |
| 150°   | 154.5 | 157.3 | 162.0 | 167.3 | 173.8 | 182.0 | 190.2 | 198.3 | 206.9 | 215.5 | 224.1 |
| 152.5° | 157.9 | 160.8 | 164.8 | 170.0 | 175.7 | 183.1 | 190.5 | 197.8 | 205.5 | 213.5 | 221.0 |
| 155°   | 163.4 | 165.5 | 169.5 | 173.4 | 178.7 | 184.8 | 190.9 | 196.9 | 203.0 | 209.8 | 216.6 |
| 157.5° | 168.1 | 169.9 | 173.3 | 176.4 | 180.9 | 186.0 | 190.9 | 195.3 | 200.5 | 206.3 | 211.6 |
| 160°   | 171.3 | 172.7 | 175.5 | 178.4 | 182.4 | 186.6 | 190.9 | 194.5 | 198.7 | 203.7 | 208.3 |
| 162.5° | 173.8 | 175.3 | 177.5 | 180.2 | 183.2 | 186.9 | 190.6 | 193.6 | 197.3 | 201.5 | 205.2 |
| 165°   | 177.3 | 178.0 | 180.2 | 182.0 | 184.1 | 187.3 | 189.9 | 192.0 | 194.5 | 197.6 | 200.6 |
| 167.5° | 180.3 | 180.9 | 182.3 | 183.6 | 184.9 | 187.2 | 189.3 | 190.4 | 192.0 | 194.0 | 196.0 |
| 170°   | 182.0 | 182.4 | 183.4 | 184.1 | 185.2 | 186.9 | 188.7 | 189.5 | 190.6 | 192.0 | 193.8 |
| 172.5° | 183.4 | 183.2 | 184.3 | 184.7 | 185.5 | 186.7 | 187.9 | 188.3 | 188.8 | 190.0 | 191.2 |
| 175°   | 184.8 | 184.5 | 185.2 | 185.2 | 185.5 | 186.2 | 186.9 | 186.6 | 186.9 | 187.3 | 188.4 |
| 177.5° | 185.2 | 185.0 | 185.5 | 185.5 | 185.5 | 185.8 | 186.4 | 185.8 | 185.5 | 185.8 | 186.4 |
| 180°   | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 |



TEST NUMBER: P331617-840  
 CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5°   | 683.3 | 685.7 | 686.8 | 686.8 | 688.1 | 687.5 | 687.0 |
| 5°     | 722.6 | 726.9 | 727.9 | 732.0 | 735.0 | 734.1 | 734.5 |
| 7.5°   | 761.6 | 768.6 | 775.6 | 778.7 | 779.2 | 781.0 | 781.7 |
| 10°    | 785.7 | 791.4 | 802.1 | 800.6 | 808.6 | 813.2 | 805.7 |
| 12.5°  | 808.8 | 816.6 | 824.0 | 826.1 | 830.6 | 832.1 | 829.1 |
| 15°    | 829.7 | 833.8 | 834.2 | 833.1 | 834.6 | 833.3 | 829.0 |
| 17.5°  | 810.2 | 803.4 | 789.9 | 783.5 | 778.4 | 770.8 | 767.8 |
| 20°    | 777.9 | 758.1 | 735.2 | 726.0 | 715.3 | 694.2 | 699.2 |
| 22.5°  | 708.1 | 685.7 | 662.7 | 635.9 | 623.1 | 603.1 | 601.9 |
| 25°    | 599.7 | 560.9 | 518.2 | 488.4 | 470.9 | 451.0 | 442.2 |
| 27.5°  | 466.3 | 417.4 | 382.4 | 364.8 | 348.6 | 332.9 | 332.1 |
| 30°    | 378.5 | 341.8 | 314.8 | 299.6 | 289.7 | 283.1 | 284.5 |
| 32.5°  | 319.0 | 293.9 | 275.6 | 263.1 | 255.8 | 250.7 | 250.6 |
| 35°    | 260.8 | 243.6 | 231.9 | 226.6 | 221.4 | 217.7 | 217.9 |
| 37.5°  | 223.2 | 212.9 | 206.3 | 200.6 | 197.2 | 195.4 | 194.4 |
| 40°    | 203.9 | 195.4 | 190.4 | 186.9 | 184.2 | 181.7 | 181.2 |
| 42.5°  | 188.7 | 181.7 | 176.6 | 173.9 | 171.4 | 169.6 | 169.2 |
| 45°    | 167.4 | 161.7 | 157.1 | 154.1 | 153.0 | 151.4 | 151.4 |
| 47.5°  | 149.0 | 143.3 | 139.8 | 137.8 | 135.9 | 134.8 | 134.8 |
| 50°    | 136.5 | 132.1 | 129.0 | 127.7 | 126.1 | 125.5 | 125.2 |
| 52.5°  | 125.3 | 122.0 | 119.8 | 119.0 | 118.3 | 117.4 | 117.5 |
| 55°    | 110.1 | 108.3 | 107.3 | 106.6 | 105.5 | 104.1 | 105.0 |
| 57.5°  | 97.4  | 95.7  | 93.3  | 91.1  | 90.1  | 89.1  | 89.5  |
| 60°    | 88.4  | 85.1  | 81.9  | 79.4  | 78.7  | 76.6  | 76.6  |
| 62.5°  | 77.0  | 72.4  | 68.5  | 67.1  | 66.3  | 65.4  | 65.2  |
| 65°    | 59.2  | 57.4  | 56.5  | 55.5  | 55.0  | 55.0  | 54.6  |
| 67.5°  | 49.1  | 48.3  | 47.3  | 47.1  | 46.7  | 46.5  | 46.4  |
| 70°    | 43.3  | 42.4  | 42.0  | 41.7  | 41.3  | 41.5  | 40.8  |
| 72.5°  | 37.9  | 37.2  | 37.1  | 36.5  | 36.2  | 36.2  | 35.6  |
| 75°    | 29.8  | 29.8  | 29.6  | 29.4  | 28.9  | 28.7  | 28.9  |
| 77.5°  | 22.9  | 23.0  | 22.6  | 22.5  | 22.5  | 22.5  | 22.3  |
| 80°    | 18.4  | 18.6  | 18.4  | 18.1  | 17.9  | 18.1  | 17.9  |
| 82.5°  | 14.5  | 14.1  | 14.1  | 14.0  | 14.0  | 13.9  | 13.8  |
| 85°    | 8.3   | 8.5   | 8.3   | 8.1   | 8.1   | 8.1   | 8.3   |
| 87.5°  | 5.3   | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   | 5.3   |
| 90°    | 10.7  | 11.4  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  |
| 92.5°  | 26.7  | 23.7  | 21.5  | 21.2  | 20.1  | 20.3  | 19.8  |
| 95°    | 71.7  | 56.8  | 48.9  | 44.2  | 41.4  | 40.3  | 40.7  |
| 97.5°  | 178.4 | 139.9 | 114.1 | 97.0  | 88.3  | 83.1  | 80.1  |
| 100°   | 281.6 | 232.7 | 189.5 | 159.9 | 144.5 | 134.2 | 127.7 |
| 102.5° | 386.3 | 350.5 | 304.8 | 272.6 | 246.4 | 233.5 | 224.8 |
| 105°   | 473.8 | 478.5 | 466.8 | 444.5 | 422.4 | 407.1 | 402.1 |
| 107.5° | 467.5 | 504.5 | 521.8 | 524.6 | 523.4 | 520.3 | 513.7 |
| 110°   | 447.5 | 493.1 | 522.4 | 537.8 | 544.5 | 547.8 | 547.3 |



TEST NUMBER: P331617-840

CATALOG NUMBER: SA2XXRDIP-C290D330U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 423.7 | 472.5 | 506.1 | 527.5 | 538.8 | 544.8 | 546.7 |
| 115°   | 391.4 | 438.2 | 474.9 | 500.3 | 516.6 | 525.9 | 529.2 |
| 117.5° | 365.2 | 407.6 | 442.0 | 467.9 | 485.2 | 494.9 | 497.7 |
| 120°   | 351.4 | 389.3 | 421.7 | 446.8 | 463.5 | 473.8 | 477.5 |
| 122.5° | 340.0 | 375.9 | 405.2 | 427.6 | 444.1 | 453.3 | 456.3 |
| 125°   | 325.1 | 356.5 | 383.2 | 403.9 | 417.5 | 426.4 | 429.3 |
| 127.5° | 310.5 | 340.1 | 364.8 | 382.8 | 395.6 | 403.2 | 405.6 |
| 130°   | 300.8 | 329.0 | 352.5 | 370.0 | 382.1 | 389.3 | 392.1 |
| 132.5° | 291.6 | 317.6 | 339.7 | 356.9 | 369.0 | 375.6 | 378.2 |
| 135°   | 277.2 | 300.8 | 320.7 | 336.1 | 347.9 | 354.4 | 355.8 |
| 137.5° | 265.8 | 284.5 | 301.8 | 315.9 | 326.0 | 331.6 | 333.8 |
| 140°   | 258.3 | 274.8 | 290.4 | 301.8 | 311.1 | 316.5 | 318.6 |
| 142.5° | 251.8 | 265.9 | 279.0 | 289.8 | 298.3 | 303.1 | 303.5 |
| 145°   | 243.4 | 254.4 | 264.8 | 273.3 | 279.4 | 283.0 | 284.0 |
| 147.5° | 236.5 | 245.1 | 252.7 | 259.7 | 264.6 | 267.0 | 267.7 |
| 150°   | 232.0 | 239.4 | 245.8 | 251.2 | 255.5 | 257.6 | 258.0 |
| 152.5° | 228.2 | 234.6 | 240.1 | 244.4 | 248.0 | 249.6 | 249.7 |
| 155°   | 222.3 | 227.6 | 231.6 | 235.5 | 238.0 | 239.4 | 238.7 |
| 157.5° | 216.3 | 220.8 | 223.9 | 226.6 | 228.7 | 229.3 | 229.3 |
| 160°   | 212.3 | 216.2 | 218.7 | 221.3 | 223.0 | 223.4 | 223.4 |
| 162.5° | 208.6 | 212.0 | 213.9 | 216.4 | 217.6 | 217.9 | 217.6 |
| 165°   | 203.0 | 205.5 | 206.9 | 208.3 | 209.8 | 209.8 | 209.4 |
| 167.5° | 197.9 | 199.7 | 201.0 | 201.6 | 202.4 | 202.3 | 201.9 |
| 170°   | 194.8 | 196.2 | 196.9 | 197.3 | 198.3 | 198.0 | 197.3 |
| 172.5° | 192.0 | 193.1 | 193.5 | 193.9 | 194.4 | 194.0 | 193.6 |
| 175°   | 188.7 | 189.1 | 189.5 | 189.5 | 189.9 | 189.5 | 188.7 |
| 177.5° | 186.4 | 186.7 | 186.7 | 186.7 | 186.7 | 186.4 | 185.8 |
| 180°   | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 | 185.5 |

(END OF REPORT)