

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1029368

Luminaire Tested: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1029368  
REPORT IS A COMBINATION OF REPORTS P985669 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K  
Description: Define 2 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

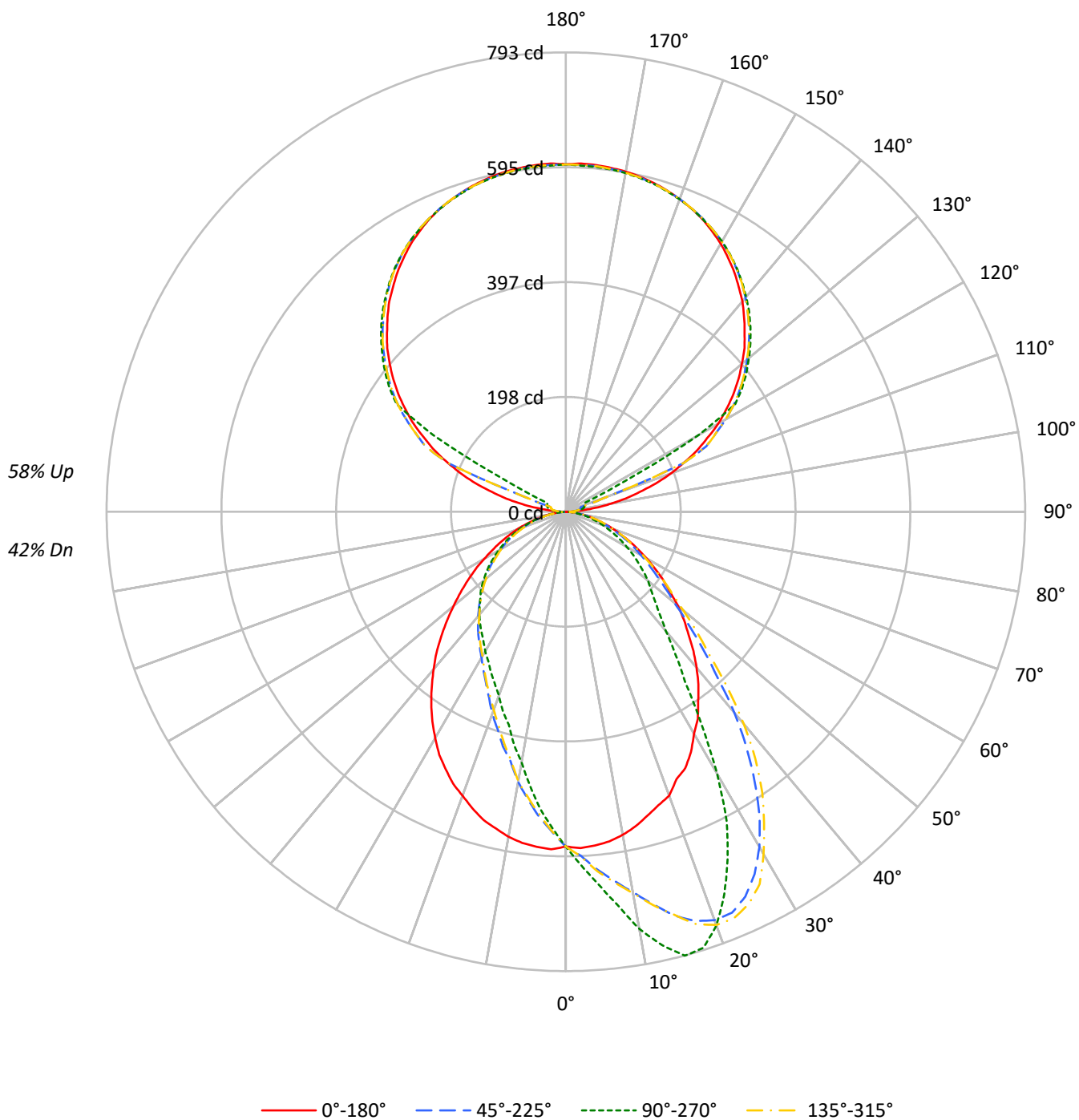
Lumens per Lamp: N/A  
Luminaire Lumens: 3034.0 lumens  
Efficiency: N/A  
Efficacy: 115.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 26.2  
Input Voltage (V):  
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: 24 FT

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1029368

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 63 | 63 | 63 | 49 | 49 | 49 |
| 1   | 96  | 92  | 89  | 85  | 88 | 84 | 81 | 78 | 70 | 68 | 66 | 56 | 55 | 53 | 44 | 43 | 42 |
| 2   | 88  | 81  | 75  | 70  | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 50 | 47 | 45 | 39 | 37 | 36 |
| 3   | 81  | 72  | 65  | 59  | 73 | 66 | 60 | 55 | 55 | 50 | 47 | 44 | 41 | 39 | 35 | 33 | 31 |
| 4   | 74  | 64  | 56  | 50  | 67 | 58 | 52 | 47 | 49 | 44 | 40 | 40 | 36 | 33 | 31 | 29 | 27 |
| 5   | 68  | 57  | 49  | 43  | 62 | 52 | 45 | 40 | 44 | 39 | 35 | 36 | 32 | 29 | 29 | 26 | 24 |
| 6   | 63  | 51  | 43  | 38  | 57 | 47 | 40 | 35 | 40 | 34 | 30 | 33 | 29 | 26 | 26 | 23 | 21 |
| 7   | 58  | 46  | 38  | 33  | 53 | 43 | 36 | 31 | 36 | 31 | 27 | 30 | 26 | 23 | 24 | 21 | 19 |
| 8   | 54  | 42  | 34  | 29  | 49 | 39 | 32 | 28 | 33 | 28 | 24 | 27 | 23 | 21 | 22 | 19 | 17 |
| 9   | 50  | 38  | 31  | 26  | 46 | 36 | 29 | 25 | 30 | 25 | 22 | 25 | 21 | 19 | 20 | 18 | 16 |
| 10  | 47  | 35  | 28  | 24  | 43 | 33 | 26 | 22 | 28 | 23 | 20 | 23 | 20 | 17 | 19 | 16 | 14 |

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

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 9148 | 9148  | 9148 | 9148 |
| 5°  | 9169 | 9753  | 9205 | 7760 |
| 10° | 9062 | 10647 | 9120 | 6398 |
| 15° | 8843 | 11230 | 8966 | 5389 |
| 20° | 8706 | 10545 | 8706 | 4684 |
| 25° | 8428 | 9060  | 8466 | 4189 |
| 30° | 7971 | 7121  | 8124 | 3794 |
| 35° | 7566 | 4924  | 7693 | 3471 |
| 40° | 7102 | 3717  | 7183 | 3214 |
| 45° | 6528 | 3056  | 6635 | 2936 |
| 50° | 6033 | 2681  | 6043 | 2688 |
| 55° | 5468 | 2286  | 5502 | 2418 |
| 60° | 4867 | 1908  | 4934 | 2111 |
| 65° | 4326 | 1552  | 4405 | 1802 |
| 70° | 3789 | 1217  | 3885 | 1454 |
| 75° | 3183 | 884   | 3306 | 1055 |
| 80° | 2483 | 561   | 2659 | 626  |
| 85° | 1624 | 282   | 1752 | 209  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9457 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 55.0   | 1.8       |
| 10°-20°   | 160.2  | 5.3       |
| 20°-30°   | 232.5  | 7.7       |
| 30°-40°   | 245.1  | 8.1       |
| 40°-50°   | 216.9  | 7.1       |
| 50°-60°   | 173.2  | 5.7       |
| 60°-70°   | 117.6  | 3.9       |
| 70°-80°   | 60.2   | 2.0       |
| 80°-90°   | 15.3   | 0.5       |
| 90°-100°  | 19.8   | 0.7       |
| 100°-110° | 73.7   | 2.4       |
| 110°-120° | 195.5  | 6.4       |
| 120°-130° | 324.2  | 10.7      |
| 130°-140° | 344.4  | 11.4      |
| 140°-150° | 320.1  | 10.6      |
| 150°-160° | 257.3  | 8.5       |
| 160°-170° | 165.8  | 5.5       |
| 170°-180° | 57.1   | 1.9       |
| 0°-30°    | 447.8  | 14.8      |
| 0°-40°    | 692.9  | 22.8      |
| 0°-60°    | 1083.0 | 35.7      |
| 0°-90°    | 1276.1 | 42.1      |
| 90°-120°  | 289.0  | 9.5       |
| 90°-150°  | 1277.7 | 42.1      |
| 90°-180°  | 1758.0 | 57.9      |
| 0°-180°   | 3034.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 578 | 578 | 578  | 578  | 578  |      |
| 5°   | 578 | 645 | 581  | 514  | 578  | 55   |
| 15°  | 543 | 793 | 551  | 381  | 543  | 153  |
| 25°  | 488 | 661 | 490  | 306  | 488  | 223  |
| 35°  | 398 | 360 | 405  | 254  | 398  | 249  |
| 45°  | 299 | 217 | 304  | 208  | 299  | 232  |
| 55°  | 205 | 152 | 206  | 161  | 205  | 183  |
| 65°  | 122 | 94  | 124  | 109  | 122  | 121  |
| 75°  | 57  | 46  | 59   | 55   | 57   | 61   |
| 85°  | 12  | 12  | 12   | 9    | 12   | 13   |
| 90°  | 0   | 12  | 0    | 12   | 0    | 2    |
| 95°  | 28  | 19  | 28   | 19   | 28   | 33   |
| 105° | 132 | 33  | 132  | 33   | 132  | 141  |
| 115° | 250 | 36  | 250  | 36   | 250  | 246  |
| 125° | 353 | 371 | 353  | 371  | 353  | 315  |
| 135° | 436 | 451 | 436  | 451  | 436  | 337  |
| 145° | 506 | 514 | 506  | 514  | 506  | 317  |
| 155° | 558 | 558 | 558  | 558  | 558  | 257  |
| 165° | 588 | 586 | 588  | 586  | 588  | 166  |
| 175° | 601 | 598 | 601  | 598  | 601  | 57   |
| 180° | 600 | 600 | 600  | 600  | 600  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 581.0 | 582.3 | 584.6 | 585.0 | 589.4 | 593.0 | 597.0 | 597.0 | 598.3 | 597.9 | 594.3 |
| 5°     | 578.3 | 582.3 | 588.1 | 593.0 | 601.0 | 604.5 | 609.9 | 613.9 | 617.4 | 620.1 | 619.6 |
| 7.5°   | 573.9 | 581.0 | 589.4 | 598.8 | 609.4 | 615.6 | 623.2 | 630.3 | 635.2 | 639.6 | 642.7 |
| 10°    | 566.3 | 578.3 | 589.9 | 602.3 | 616.1 | 624.5 | 633.4 | 642.7 | 650.3 | 658.7 | 666.7 |
| 12.5°  | 556.1 | 573.4 | 587.7 | 604.1 | 621.0 | 630.3 | 644.5 | 651.6 | 666.3 | 687.6 | 693.4 |
| 15°    | 543.2 | 566.8 | 580.1 | 601.0 | 623.2 | 630.7 | 650.3 | 661.8 | 692.0 | 705.4 | 721.4 |
| 17.5°  | 531.2 | 557.5 | 575.2 | 599.2 | 621.0 | 635.6 | 654.7 | 678.3 | 703.6 | 722.7 | 740.5 |
| 20°    | 521.5 | 546.8 | 568.1 | 594.8 | 622.3 | 641.0 | 661.0 | 689.4 | 716.9 | 736.5 | 750.2 |
| 22.5°  | 499.3 | 531.7 | 556.6 | 586.3 | 619.6 | 645.4 | 664.5 | 695.6 | 725.4 | 737.4 | 749.3 |
| 25°    | 488.2 | 516.1 | 545.0 | 578.8 | 617.9 | 648.5 | 665.0 | 699.6 | 725.8 | 730.2 | 732.9 |
| 27.5°  | 467.7 | 499.3 | 533.0 | 571.7 | 617.4 | 643.2 | 664.1 | 695.6 | 716.5 | 713.4 | 705.4 |
| 30°    | 442.4 | 481.1 | 518.4 | 560.1 | 611.2 | 639.2 | 658.7 | 687.6 | 698.3 | 682.3 | 668.1 |
| 32.5°  | 423.8 | 460.2 | 501.5 | 549.9 | 604.1 | 630.7 | 649.8 | 672.5 | 674.7 | 645.9 | 621.9 |
| 35°    | 398.4 | 438.9 | 485.5 | 536.6 | 592.1 | 616.1 | 633.9 | 647.6 | 637.0 | 596.5 | 568.1 |
| 37.5°  | 375.8 | 415.8 | 465.5 | 517.5 | 575.7 | 599.2 | 613.4 | 615.6 | 589.4 | 553.9 | 512.1 |
| 40°    | 350.9 | 392.2 | 444.2 | 498.8 | 557.5 | 577.9 | 586.8 | 580.1 | 542.4 | 501.0 | 452.6 |
| 42.5°  | 326.0 | 366.9 | 422.9 | 478.8 | 534.4 | 551.7 | 555.2 | 537.0 | 490.8 | 442.4 | 386.4 |
| 45°    | 298.9 | 341.6 | 397.5 | 454.0 | 507.7 | 517.5 | 517.9 | 491.7 | 437.1 | 386.4 | 334.5 |
| 47.5°  | 276.7 | 316.3 | 371.8 | 428.2 | 473.5 | 480.2 | 477.5 | 447.3 | 387.8 | 330.9 | 285.6 |
| 50°    | 252.3 | 290.1 | 345.1 | 400.7 | 439.3 | 441.1 | 434.4 | 391.3 | 333.1 | 281.2 | 245.2 |
| 52.5°  | 226.1 | 264.3 | 314.9 | 368.2 | 402.9 | 400.2 | 387.3 | 341.1 | 286.5 | 243.4 | 215.9 |
| 55°    | 205.2 | 239.0 | 286.5 | 338.5 | 362.9 | 355.4 | 341.1 | 294.1 | 251.0 | 214.5 | 190.6 |
| 57.5°  | 182.1 | 211.9 | 258.5 | 303.8 | 318.0 | 310.9 | 296.7 | 252.7 | 212.8 | 185.2 | 169.2 |
| 60°    | 160.4 | 187.4 | 228.3 | 266.1 | 277.2 | 269.6 | 253.2 | 213.7 | 184.8 | 161.7 | 149.7 |
| 62.5°  | 140.4 | 163.9 | 198.1 | 232.8 | 237.2 | 229.6 | 215.4 | 183.4 | 158.6 | 140.4 | 131.5 |
| 65°    | 121.7 | 143.9 | 171.5 | 197.7 | 201.7 | 193.7 | 179.0 | 155.9 | 135.0 | 123.5 | 115.0 |
| 67.5°  | 103.5 | 121.3 | 145.7 | 164.8 | 167.0 | 159.5 | 147.5 | 128.8 | 115.9 | 103.5 | 97.3  |
| 70°    | 87.5  | 100.8 | 119.9 | 135.5 | 136.4 | 129.3 | 123.0 | 106.2 | 96.4  | 87.5  | 82.6  |
| 72.5°  | 72.0  | 81.3  | 95.9  | 107.5 | 107.9 | 103.5 | 97.7  | 87.1  | 78.6  | 72.4  | 67.5  |
| 75°    | 56.9  | 64.9  | 73.7  | 84.0  | 83.5  | 80.0  | 75.5  | 68.8  | 61.7  | 57.7  | 55.5  |
| 77.5°  | 43.5  | 48.4  | 55.5  | 62.2  | 62.2  | 60.4  | 57.7  | 52.9  | 48.4  | 44.4  | 42.2  |
| 80°    | 31.1  | 34.2  | 40.0  | 42.2  | 43.1  | 42.6  | 40.4  | 36.9  | 35.1  | 32.0  | 31.1  |
| 82.5°  | 20.0  | 22.2  | 24.9  | 27.1  | 28.4  | 27.5  | 27.1  | 25.3  | 22.7  | 21.8  | 20.9  |
| 85°    | 11.5  | 12.4  | 13.8  | 15.1  | 15.5  | 15.1  | 16.0  | 14.7  | 13.3  | 13.3  | 12.9  |
| 87.5°  | 4.9   | 5.3   | 6.2   | 6.2   | 6.7   | 6.7   | 6.2   | 6.7   | 6.7   | 6.2   | 5.8   |
| 90°    | 0.4   | 1.5   | 2.5   | 3.6   | 4.7   | 5.2   | 5.6   | 6.4   | 7.1   | 7.9   | 8.7   |
| 92.5°  | 10.8  | 10.4  | 10.0  | 9.7   | 9.3   | 9.1   | 9.2   | 9.5   | 9.8   | 10.1  | 10.4  |
| 95°    | 28.2  | 25.0  | 21.8  | 18.7  | 15.5  | 13.9  | 14.2  | 14.9  | 15.6  | 16.2  | 16.9  |
| 97.5°  | 50.8  | 42.9  | 35.0  | 27.1  | 19.2  | 15.2  | 16.0  | 17.5  | 19.0  | 20.6  | 22.1  |
| 100°   | 76.8  | 63.6  | 50.4  | 37.2  | 24.0  | 17.4  | 18.2  | 19.8  | 21.5  | 23.1  | 24.7  |
| 102.5° | 105.4 | 105.2 | 105.0 | 104.9 | 104.7 | 104.6 | 95.8  | 78.3  | 60.7  | 43.2  | 25.6  |
| 105°   | 131.9 | 134.8 | 137.7 | 140.6 | 143.5 | 144.9 | 131.7 | 105.4 | 79.1  | 52.8  | 26.5  |
| 107.5° | 162.7 | 165.1 | 167.5 | 170.0 | 172.4 | 173.6 | 157.3 | 124.8 | 92.3  | 59.8  | 27.3  |
| 110°   | 192.2 | 194.2 | 196.2 | 198.3 | 200.3 | 201.3 | 187.4 | 159.5 | 131.6 | 103.8 | 75.9  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 220.0 | 221.7 | 223.5 | 225.2 | 226.9 | 227.8 | 227.0 | 225.3 | 223.7 | 222.0 | 220.4 |
| 115°   | 249.5 | 251.1 | 252.8 | 254.4 | 256.1 | 256.9 | 258.1 | 260.5 | 262.9 | 265.3 | 267.7 |
| 117.5° | 275.1 | 277.0 | 279.0 | 280.9 | 282.8 | 283.8 | 284.6 | 286.2 | 287.9 | 289.5 | 291.1 |
| 120°   | 303.7 | 305.1 | 306.6 | 308.0 | 309.5 | 310.2 | 311.1 | 312.8 | 314.5 | 316.3 | 318.0 |
| 122.5° | 328.0 | 329.6 | 331.1 | 332.7 | 334.2 | 335.0 | 336.0 | 337.9 | 339.8 | 341.7 | 343.6 |
| 125°   | 352.8 | 354.0 | 355.3 | 356.5 | 357.8 | 358.4 | 359.3 | 361.1 | 363.0 | 364.8 | 366.6 |
| 127.5° | 375.3 | 376.7 | 378.0 | 379.4 | 380.7 | 381.4 | 382.1 | 383.6 | 385.0 | 386.5 | 387.9 |
| 130°   | 396.6 | 398.1 | 399.7 | 401.2 | 402.7 | 403.5 | 404.0 | 405.1 | 406.2 | 407.2 | 408.3 |
| 132.5° | 418.3 | 419.5 | 420.8 | 422.0 | 423.3 | 423.9 | 424.4 | 425.5 | 426.6 | 427.6 | 428.7 |
| 135°   | 436.5 | 438.0 | 439.6 | 441.1 | 442.6 | 443.4 | 443.8 | 444.7 | 445.6 | 446.4 | 447.3 |
| 137.5° | 455.6 | 456.8 | 457.9 | 459.1 | 460.2 | 460.8 | 461.3 | 462.2 | 463.2 | 464.1 | 465.1 |
| 140°   | 474.2 | 475.0 | 475.8 | 476.5 | 477.3 | 477.7 | 478.2 | 479.3 | 480.4 | 481.4 | 482.5 |
| 142.5° | 489.9 | 490.6 | 491.2 | 491.9 | 492.6 | 492.9 | 493.5 | 494.8 | 496.0 | 497.3 | 498.5 |
| 145°   | 506.4 | 506.3 | 506.2 | 506.1 | 506.0 | 505.9 | 506.7 | 508.4 | 510.0 | 511.7 | 513.3 |
| 147.5° | 520.7 | 520.4 | 520.1 | 519.8 | 519.5 | 519.4 | 520.2 | 521.8 | 523.5 | 525.1 | 526.7 |
| 150°   | 534.6 | 533.9 | 533.2 | 532.5 | 531.8 | 531.5 | 532.3 | 533.8 | 535.4 | 536.9 | 538.5 |
| 152.5° | 546.3 | 545.5 | 544.7 | 544.0 | 543.2 | 542.8 | 543.5 | 545.0 | 546.4 | 547.9 | 549.3 |
| 155°   | 557.6 | 556.7 | 555.9 | 555.0 | 554.1 | 553.7 | 554.3 | 555.4 | 556.6 | 557.7 | 558.9 |
| 157.5° | 566.7 | 565.9 | 565.1 | 564.4 | 563.6 | 563.2 | 563.6 | 564.5 | 565.4 | 566.2 | 567.1 |
| 160°   | 574.5 | 573.9 | 573.3 | 572.8 | 572.2 | 571.9 | 572.2 | 572.8 | 573.3 | 573.9 | 574.5 |
| 162.5° | 581.4 | 580.8 | 580.2 | 579.7 | 579.1 | 578.8 | 579.0 | 579.5 | 580.0 | 580.5 | 581.0 |
| 165°   | 587.5 | 586.9 | 586.3 | 585.8 | 585.2 | 584.9 | 585.0 | 585.3 | 585.6 | 585.9 | 586.2 |
| 167.5° | 592.3 | 591.7 | 591.1 | 590.6 | 590.0 | 589.7 | 589.8 | 590.1 | 590.4 | 590.7 | 591.0 |
| 170°   | 596.2 | 595.6 | 595.0 | 594.5 | 593.9 | 593.6 | 593.7 | 593.9 | 594.0 | 594.2 | 594.4 |
| 172.5° | 598.8 | 598.2 | 597.6 | 597.1 | 596.5 | 596.2 | 596.3 | 596.5 | 596.6 | 596.8 | 597.0 |
| 175°   | 600.9 | 600.2 | 599.6 | 598.9 | 598.2 | 597.9 | 598.0 | 598.2 | 598.4 | 598.6 | 598.8 |
| 177.5° | 601.8 | 601.1 | 600.5 | 599.8 | 599.1 | 598.8 | 598.8 | 598.9 | 599.0 | 599.1 | 599.2 |
| 180°   | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 600.5 | 601.0 | 601.9 | 606.3 | 608.5 | 609.0 | 607.2 | 611.2 | 612.5 | 611.2 | 610.3 |
| 5°     | 629.0 | 631.6 | 637.0 | 642.7 | 642.3 | 642.7 | 645.4 | 648.1 | 649.0 | 645.4 | 646.7 |
| 7.5°   | 653.8 | 659.2 | 665.0 | 673.8 | 673.8 | 678.3 | 680.1 | 682.3 | 687.6 | 684.9 | 684.1 |
| 10°    | 682.3 | 689.4 | 700.0 | 714.3 | 714.7 | 719.1 | 723.6 | 730.7 | 732.9 | 731.1 | 732.0 |
| 12.5°  | 717.8 | 731.6 | 732.5 | 748.0 | 755.1 | 756.0 | 763.1 | 761.8 | 766.2 | 766.2 | 773.8 |
| 15°    | 733.4 | 754.7 | 766.7 | 781.8 | 786.2 | 780.9 | 786.7 | 792.9 | 793.3 | 793.3 | 792.9 |
| 17.5°  | 761.3 | 769.8 | 781.8 | 789.8 | 791.5 | 791.5 | 792.0 | 794.7 | 792.9 | 789.3 | 792.0 |
| 20°    | 767.1 | 770.7 | 775.1 | 774.2 | 775.1 | 770.7 | 766.2 | 761.8 | 762.2 | 760.0 | 766.7 |
| 22.5°  | 756.5 | 755.6 | 745.3 | 738.7 | 738.7 | 729.8 | 721.4 | 717.4 | 713.4 | 714.7 | 716.9 |
| 25°    | 729.8 | 716.0 | 703.6 | 693.8 | 691.6 | 677.4 | 665.8 | 662.3 | 655.6 | 661.0 | 661.8 |
| 27.5°  | 687.2 | 671.6 | 651.6 | 643.2 | 631.6 | 625.9 | 617.9 | 607.2 | 593.4 | 601.4 | 600.1 |
| 30°    | 641.4 | 618.3 | 601.9 | 581.4 | 563.2 | 561.9 | 546.8 | 529.0 | 521.9 | 521.9 | 525.9 |
| 32.5°  | 590.3 | 559.7 | 535.7 | 506.8 | 489.1 | 481.5 | 463.3 | 445.5 | 449.5 | 436.2 | 441.1 |
| 35°    | 530.8 | 490.4 | 460.2 | 432.2 | 418.9 | 410.0 | 386.4 | 376.7 | 366.0 | 359.8 | 371.3 |
| 37.5°  | 473.9 | 427.3 | 388.7 | 358.0 | 353.1 | 337.1 | 321.1 | 314.9 | 308.7 | 311.4 | 310.9 |
| 40°    | 404.7 | 363.3 | 328.7 | 304.7 | 296.3 | 288.7 | 278.1 | 270.5 | 266.5 | 268.7 | 269.2 |
| 42.5°  | 342.0 | 307.4 | 281.6 | 264.7 | 257.6 | 252.3 | 247.0 | 240.8 | 239.4 | 239.4 | 241.2 |
| 45°    | 293.6 | 265.2 | 247.9 | 234.1 | 230.1 | 226.1 | 222.1 | 219.4 | 218.5 | 216.8 | 218.1 |
| 47.5°  | 255.0 | 232.3 | 221.7 | 211.4 | 207.0 | 206.1 | 202.6 | 201.2 | 199.4 | 199.0 | 199.4 |
| 50°    | 222.5 | 208.3 | 198.6 | 192.8 | 189.7 | 188.3 | 186.6 | 183.9 | 183.0 | 185.2 | 184.3 |
| 52.5°  | 199.9 | 186.6 | 181.2 | 175.5 | 173.7 | 171.9 | 169.2 | 169.7 | 169.2 | 168.3 | 168.3 |
| 55°    | 177.2 | 168.8 | 163.5 | 159.0 | 158.6 | 156.8 | 154.6 | 153.7 | 153.2 | 152.4 | 153.7 |
| 57.5°  | 159.0 | 152.4 | 147.5 | 143.5 | 141.7 | 141.7 | 139.5 | 137.7 | 137.7 | 137.3 | 137.7 |
| 60°    | 140.8 | 134.1 | 131.0 | 127.0 | 125.7 | 125.3 | 123.9 | 123.0 | 121.7 | 121.7 | 121.7 |
| 62.5°  | 123.9 | 118.6 | 115.0 | 111.5 | 111.9 | 109.7 | 107.9 | 107.0 | 107.0 | 107.5 | 107.5 |
| 65°    | 107.9 | 104.4 | 99.9  | 96.8  | 95.9  | 95.5  | 94.6  | 94.2  | 92.8  | 93.7  | 93.7  |
| 67.5°  | 93.3  | 88.4  | 85.7  | 84.4  | 83.1  | 82.6  | 81.7  | 80.8  | 80.4  | 80.0  | 80.8  |
| 70°    | 78.6  | 74.6  | 72.4  | 71.5  | 70.2  | 69.7  | 69.3  | 68.0  | 68.4  | 68.8  | 69.3  |
| 72.5°  | 65.3  | 61.7  | 61.3  | 58.6  | 58.6  | 58.6  | 56.9  | 57.7  | 57.3  | 56.4  | 57.3  |
| 75°    | 51.5  | 49.7  | 48.9  | 47.5  | 48.0  | 47.5  | 47.1  | 45.8  | 45.8  | 46.2  | 46.6  |
| 77.5°  | 40.9  | 39.1  | 38.6  | 37.3  | 36.4  | 37.3  | 36.4  | 36.0  | 36.0  | 36.4  | 36.4  |
| 80°    | 30.2  | 29.3  | 28.0  | 28.0  | 28.0  | 27.5  | 27.5  | 27.5  | 27.1  | 26.7  | 27.1  |
| 82.5°  | 20.0  | 20.0  | 19.5  | 19.1  | 19.5  | 18.7  | 19.1  | 19.1  | 19.1  | 19.1  | 19.1  |
| 85°    | 12.9  | 12.4  | 12.4  | 12.0  | 12.0  | 12.0  | 12.4  | 11.5  | 11.5  | 12.0  | 12.0  |
| 87.5°  | 5.8   | 5.8   | 5.8   | 6.2   | 5.8   | 5.8   | 5.8   | 6.2   | 5.8   | 5.8   | 5.8   |
| 90°    | 9.2   | 9.6   | 10.1  | 10.6  | 10.8  | 10.9  | 11.1  | 11.3  | 11.5  | 11.7  | 11.5  |
| 92.5°  | 10.6  | 10.8  | 11.0  | 11.2  | 11.3  | 11.3  | 11.4  | 11.5  | 11.6  | 11.7  | 11.6  |
| 95°    | 17.4  | 17.9  | 18.4  | 18.9  | 19.1  | 19.1  | 19.0  | 18.9  | 18.8  | 18.7  | 18.8  |
| 97.5°  | 22.4  | 22.7  | 23.0  | 23.3  | 23.4  | 23.5  | 23.6  | 23.7  | 23.8  | 23.9  | 23.8  |
| 100°   | 25.5  | 26.3  | 27.0  | 27.8  | 28.2  | 28.3  | 28.5  | 28.7  | 28.9  | 29.1  | 28.9  |
| 102.5° | 26.7  | 27.7  | 28.8  | 29.9  | 30.4  | 30.5  | 30.8  | 31.1  | 31.4  | 31.7  | 31.4  |
| 105°   | 27.5  | 28.6  | 29.6  | 30.7  | 31.2  | 31.4  | 31.8  | 32.2  | 32.6  | 33.0  | 32.6  |
| 107.5° | 28.4  | 29.4  | 30.5  | 31.6  | 32.1  | 32.3  | 32.7  | 33.0  | 33.4  | 33.8  | 33.4  |
| 110°   | 66.3  | 56.6  | 47.0  | 37.3  | 32.5  | 32.7  | 33.1  | 33.5  | 33.9  | 34.3  | 33.9  |

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 178.8 | 137.3 | 95.7  | 54.2  | 33.4  | 33.5  | 33.8  | 34.1  | 34.4  | 34.7  | 34.4  |
| 115°   | 223.1 | 178.4 | 133.8 | 89.1  | 66.8  | 63.3  | 56.4  | 49.5  | 42.5  | 35.6  | 42.5  |
| 117.5° | 277.3 | 263.5 | 249.8 | 236.0 | 229.1 | 216.5 | 191.2 | 165.9 | 140.7 | 115.4 | 140.7 |
| 120°   | 319.2 | 320.4 | 321.5 | 322.7 | 323.3 | 316.8 | 303.8 | 290.7 | 277.7 | 264.7 | 277.7 |
| 122.5° | 344.2 | 344.8 | 345.3 | 345.9 | 346.2 | 346.3 | 346.4 | 346.5 | 346.6 | 346.7 | 346.6 |
| 125°   | 367.3 | 368.0 | 368.7 | 369.4 | 369.7 | 369.8 | 370.1 | 370.4 | 370.7 | 371.0 | 370.7 |
| 127.5° | 388.9 | 389.8 | 390.8 | 391.7 | 392.2 | 392.3 | 392.4 | 392.5 | 392.6 | 392.7 | 392.6 |
| 130°   | 409.4 | 410.4 | 411.5 | 412.6 | 413.1 | 413.0 | 412.9 | 412.8 | 412.7 | 412.6 | 412.7 |
| 132.5° | 429.6 | 430.4 | 431.3 | 432.2 | 432.6 | 432.6 | 432.5 | 432.4 | 432.3 | 432.2 | 432.3 |
| 135°   | 448.3 | 449.3 | 450.2 | 451.2 | 451.7 | 451.6 | 451.4 | 451.2 | 451.0 | 450.8 | 451.0 |
| 137.5° | 466.1 | 467.1 | 468.0 | 469.0 | 469.5 | 469.4 | 469.1 | 468.8 | 468.5 | 468.2 | 468.5 |
| 140°   | 483.4 | 484.2 | 485.1 | 486.0 | 486.4 | 486.2 | 485.7 | 485.2 | 484.7 | 484.2 | 484.7 |
| 142.5° | 499.3 | 500.1 | 500.8 | 501.6 | 502.0 | 501.8 | 501.3 | 500.8 | 500.3 | 499.8 | 500.3 |
| 145°   | 514.0 | 514.6 | 515.3 | 516.0 | 516.3 | 516.1 | 515.6 | 515.1 | 514.7 | 514.2 | 514.7 |
| 147.5° | 527.2 | 527.7 | 528.2 | 528.7 | 528.9 | 528.7 | 528.3 | 528.0 | 527.6 | 527.2 | 527.6 |
| 150°   | 539.1 | 539.7 | 540.2 | 540.8 | 541.1 | 540.9 | 540.4 | 539.9 | 539.4 | 538.9 | 539.4 |
| 152.5° | 549.9 | 550.5 | 551.0 | 551.6 | 551.9 | 551.6 | 550.9 | 550.2 | 549.6 | 548.9 | 549.6 |
| 155°   | 559.5 | 560.1 | 560.6 | 561.2 | 561.5 | 561.1 | 560.3 | 559.6 | 558.8 | 558.0 | 558.8 |
| 157.5° | 567.8 | 568.4 | 569.1 | 569.8 | 570.1 | 569.7 | 569.0 | 568.2 | 567.5 | 566.7 | 567.5 |
| 160°   | 575.1 | 575.7 | 576.2 | 576.8 | 577.1 | 576.8 | 576.1 | 575.4 | 574.7 | 574.0 | 574.7 |
| 162.5° | 581.7 | 582.3 | 583.0 | 583.7 | 584.0 | 583.6 | 582.7 | 581.8 | 581.0 | 580.1 | 581.0 |
| 165°   | 586.9 | 587.5 | 588.2 | 588.9 | 589.2 | 588.9 | 588.2 | 587.5 | 586.9 | 586.2 | 586.9 |
| 167.5° | 591.7 | 592.3 | 593.0 | 593.7 | 594.0 | 593.6 | 592.7 | 591.8 | 591.0 | 590.1 | 591.0 |
| 170°   | 595.1 | 595.8 | 596.5 | 597.2 | 597.5 | 597.1 | 596.2 | 595.3 | 594.5 | 593.6 | 594.5 |
| 172.5° | 597.7 | 598.4 | 599.1 | 599.8 | 600.1 | 599.7 | 598.8 | 597.9 | 597.1 | 596.2 | 597.1 |
| 175°   | 599.5 | 600.1 | 600.8 | 601.5 | 601.8 | 601.3 | 600.4 | 599.4 | 598.5 | 597.5 | 598.5 |
| 177.5° | 599.9 | 600.5 | 601.2 | 601.9 | 602.2 | 601.8 | 600.9 | 600.0 | 599.2 | 598.3 | 599.2 |
| 180°   | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 |

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9 | 577.9 | 577.9  | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 612.5 | 609.4 | 606.8 | 607.2  | 609.4 | 607.7 | 603.2 | 597.4 | 595.2 | 592.5 | 595.2 |
| 5°     | 649.4 | 646.7 | 641.4 | 641.9  | 640.5 | 638.7 | 631.6 | 622.8 | 622.8 | 615.6 | 614.8 |
| 7.5°   | 685.8 | 681.8 | 678.3 | 677.4  | 672.5 | 668.9 | 662.7 | 650.3 | 645.4 | 637.0 | 632.1 |
| 10°    | 726.7 | 723.6 | 719.6 | 714.7  | 712.0 | 705.8 | 695.6 | 677.4 | 668.5 | 657.0 | 648.5 |
| 12.5°  | 768.0 | 767.6 | 758.7 | 748.9  | 748.5 | 738.7 | 731.6 | 707.1 | 695.2 | 679.6 | 659.6 |
| 15°    | 794.2 | 792.0 | 787.1 | 782.2  | 783.5 | 772.9 | 756.9 | 728.0 | 720.0 | 701.4 | 680.1 |
| 17.5°  | 793.8 | 793.8 | 792.4 | 791.5  | 790.2 | 787.1 | 778.2 | 759.1 | 746.2 | 722.7 | 702.7 |
| 20°    | 768.4 | 774.2 | 775.6 | 775.1  | 779.6 | 781.8 | 781.3 | 769.3 | 759.1 | 738.2 | 717.8 |
| 22.5°  | 717.8 | 731.1 | 736.9 | 740.5  | 749.8 | 754.7 | 766.2 | 761.8 | 759.1 | 743.6 | 726.2 |
| 25°    | 670.7 | 675.2 | 692.5 | 693.4  | 706.3 | 718.3 | 729.8 | 737.4 | 747.1 | 741.4 | 726.7 |
| 27.5°  | 609.9 | 620.1 | 632.5 | 641.9  | 644.5 | 668.9 | 688.0 | 702.3 | 724.5 | 726.2 | 721.4 |
| 30°    | 541.0 | 545.9 | 566.3 | 578.8  | 593.0 | 610.8 | 638.3 | 662.7 | 682.7 | 700.9 | 707.1 |
| 32.5°  | 457.1 | 477.1 | 489.1 | 504.2  | 516.6 | 548.1 | 581.9 | 613.4 | 636.5 | 667.2 | 680.5 |
| 35°    | 380.2 | 395.8 | 416.2 | 422.4  | 445.1 | 471.7 | 515.7 | 556.1 | 591.2 | 622.3 | 649.4 |
| 37.5°  | 316.7 | 329.1 | 350.9 | 360.7  | 374.0 | 408.2 | 445.1 | 495.3 | 537.5 | 575.7 | 609.4 |
| 40°    | 273.2 | 282.5 | 298.9 | 302.0  | 313.2 | 344.2 | 374.0 | 421.1 | 477.1 | 528.6 | 565.5 |
| 42.5°  | 243.4 | 247.9 | 259.0 | 263.0  | 270.1 | 290.9 | 317.6 | 362.0 | 414.0 | 467.3 | 519.3 |
| 45°    | 222.1 | 225.2 | 231.9 | 235.4  | 244.3 | 253.6 | 275.4 | 310.9 | 351.8 | 405.5 | 461.5 |
| 47.5°  | 203.0 | 207.0 | 209.7 | 211.9  | 216.8 | 227.0 | 241.2 | 267.4 | 306.5 | 355.8 | 410.0 |
| 50°    | 187.0 | 188.3 | 193.2 | 193.7  | 196.8 | 203.4 | 216.8 | 232.8 | 263.8 | 303.8 | 356.2 |
| 52.5°  | 171.0 | 172.3 | 175.5 | 178.6  | 179.9 | 185.2 | 194.1 | 207.4 | 230.5 | 262.1 | 308.7 |
| 55°    | 155.0 | 156.8 | 159.9 | 162.1  | 163.5 | 167.9 | 173.2 | 186.1 | 204.3 | 226.5 | 264.7 |
| 57.5°  | 139.0 | 143.0 | 143.9 | 145.2  | 147.5 | 152.4 | 157.2 | 164.8 | 179.0 | 199.4 | 227.4 |
| 60°    | 123.9 | 125.3 | 128.4 | 129.7  | 131.9 | 134.6 | 140.8 | 146.6 | 156.8 | 172.8 | 198.1 |
| 62.5°  | 108.4 | 111.5 | 112.8 | 114.2  | 115.9 | 119.0 | 123.0 | 129.3 | 138.1 | 151.0 | 171.0 |
| 65°    | 95.1  | 95.5  | 98.2  | 99.9   | 101.7 | 103.9 | 107.9 | 113.7 | 119.0 | 131.0 | 145.7 |
| 67.5°  | 82.2  | 83.1  | 84.0  | 85.7   | 87.9  | 90.2  | 93.7  | 96.8  | 103.5 | 111.5 | 123.0 |
| 70°    | 69.7  | 69.7  | 72.0  | 73.3   | 72.8  | 75.5  | 78.2  | 81.7  | 86.6  | 94.2  | 103.5 |
| 72.5°  | 58.6  | 58.2  | 60.0  | 60.4   | 61.3  | 63.1  | 64.9  | 68.4  | 71.1  | 76.8  | 84.0  |
| 75°    | 46.6  | 47.5  | 48.4  | 48.4   | 49.7  | 51.1  | 52.9  | 54.6  | 57.7  | 61.3  | 66.6  |
| 77.5°  | 36.9  | 36.9  | 37.8  | 38.2   | 39.5  | 39.1  | 40.9  | 42.6  | 44.9  | 48.0  | 52.0  |
| 80°    | 27.1  | 28.0  | 28.0  | 28.0   | 28.4  | 28.9  | 30.6  | 32.0  | 33.3  | 35.5  | 37.3  |
| 82.5°  | 19.1  | 19.1  | 20.0  | 20.0   | 20.0  | 20.9  | 20.9  | 21.3  | 22.2  | 23.5  | 24.9  |
| 85°    | 12.0  | 12.0  | 12.0  | 12.4   | 12.0  | 12.4  | 13.3  | 12.9  | 13.3  | 14.2  | 14.2  |
| 87.5°  | 5.8   | 5.8   | 5.8   | 5.8    | 5.8   | 6.2   | 5.8   | 6.2   | 6.7   | 6.7   | 6.7   |
| 90°    | 11.3  | 11.1  | 10.9  | 10.8   | 10.6  | 10.1  | 9.6   | 9.2   | 8.7   | 7.9   | 7.1   |
| 92.5°  | 11.5  | 11.4  | 11.3  | 11.3   | 11.2  | 11.0  | 10.8  | 10.6  | 10.4  | 10.1  | 9.8   |
| 95°    | 18.9  | 19.0  | 19.1  | 19.1   | 18.9  | 18.4  | 17.9  | 17.4  | 16.9  | 16.2  | 15.6  |
| 97.5°  | 23.7  | 23.6  | 23.5  | 23.4   | 23.3  | 23.0  | 22.7  | 22.4  | 22.1  | 20.6  | 19.0  |
| 100°   | 28.7  | 28.5  | 28.3  | 28.2   | 27.8  | 27.0  | 26.3  | 25.5  | 24.7  | 23.1  | 21.5  |
| 102.5° | 31.1  | 30.8  | 30.5  | 30.4   | 29.9  | 28.8  | 27.7  | 26.7  | 25.6  | 43.2  | 60.7  |
| 105°   | 32.2  | 31.8  | 31.4  | 31.2   | 30.7  | 29.6  | 28.6  | 27.5  | 26.5  | 52.8  | 79.1  |
| 107.5° | 33.0  | 32.7  | 32.3  | 32.1   | 31.6  | 30.5  | 29.4  | 28.4  | 27.3  | 59.8  | 92.3  |
| 110°   | 33.5  | 33.1  | 32.7  | 32.5   | 37.3  | 47.0  | 56.6  | 66.3  | 75.9  | 103.8 | 131.6 |

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 34.1  | 33.8  | 33.5  | 33.4   | 54.2  | 95.7  | 137.3 | 178.8 | 220.4 | 222.0 | 223.7 |
| 115°   | 49.5  | 56.4  | 63.3  | 66.8   | 89.1  | 133.8 | 178.4 | 223.1 | 267.7 | 265.3 | 262.9 |
| 117.5° | 165.9 | 191.2 | 216.5 | 229.1  | 236.0 | 249.8 | 263.5 | 277.3 | 291.1 | 289.5 | 287.9 |
| 120°   | 290.7 | 303.8 | 316.8 | 323.3  | 322.7 | 321.5 | 320.4 | 319.2 | 318.0 | 316.3 | 314.5 |
| 122.5° | 346.5 | 346.4 | 346.3 | 346.2  | 345.9 | 345.3 | 344.8 | 344.2 | 343.6 | 341.7 | 339.8 |
| 125°   | 370.4 | 370.1 | 369.8 | 369.7  | 369.4 | 368.7 | 368.0 | 367.3 | 366.6 | 364.8 | 363.0 |
| 127.5° | 392.5 | 392.4 | 392.3 | 392.2  | 391.7 | 390.8 | 389.8 | 388.9 | 387.9 | 386.5 | 385.0 |
| 130°   | 412.8 | 412.9 | 413.0 | 413.1  | 412.6 | 411.5 | 410.4 | 409.4 | 408.3 | 407.2 | 406.2 |
| 132.5° | 432.4 | 432.5 | 432.6 | 432.6  | 432.2 | 431.3 | 430.4 | 429.6 | 428.7 | 427.6 | 426.6 |
| 135°   | 451.2 | 451.4 | 451.6 | 451.7  | 451.2 | 450.2 | 449.3 | 448.3 | 447.3 | 446.4 | 445.6 |
| 137.5° | 468.8 | 469.1 | 469.4 | 469.5  | 469.0 | 468.0 | 467.1 | 466.1 | 465.1 | 464.1 | 463.2 |
| 140°   | 485.2 | 485.7 | 486.2 | 486.4  | 486.0 | 485.1 | 484.2 | 483.4 | 482.5 | 481.4 | 480.4 |
| 142.5° | 500.8 | 501.3 | 501.8 | 502.0  | 501.6 | 500.8 | 500.1 | 499.3 | 498.5 | 497.3 | 496.0 |
| 145°   | 515.1 | 515.6 | 516.1 | 516.3  | 516.0 | 515.3 | 514.6 | 514.0 | 513.3 | 511.7 | 510.0 |
| 147.5° | 528.0 | 528.3 | 528.7 | 528.9  | 528.7 | 528.2 | 527.7 | 527.2 | 526.7 | 525.1 | 523.5 |
| 150°   | 539.9 | 540.4 | 540.9 | 541.1  | 540.8 | 540.2 | 539.7 | 539.1 | 538.5 | 536.9 | 535.4 |
| 152.5° | 550.2 | 550.9 | 551.6 | 551.9  | 551.6 | 551.0 | 550.5 | 549.9 | 549.3 | 547.9 | 546.4 |
| 155°   | 559.6 | 560.3 | 561.1 | 561.5  | 561.2 | 560.6 | 560.1 | 559.5 | 558.9 | 557.7 | 556.6 |
| 157.5° | 568.2 | 569.0 | 569.7 | 570.1  | 569.8 | 569.1 | 568.4 | 567.8 | 567.1 | 566.2 | 565.4 |
| 160°   | 575.4 | 576.1 | 576.8 | 577.1  | 576.8 | 576.2 | 575.7 | 575.1 | 574.5 | 573.9 | 573.3 |
| 162.5° | 581.8 | 582.7 | 583.6 | 584.0  | 583.7 | 583.0 | 582.3 | 581.7 | 581.0 | 580.5 | 580.0 |
| 165°   | 587.5 | 588.2 | 588.9 | 589.2  | 588.9 | 588.2 | 587.5 | 586.9 | 586.2 | 585.9 | 585.6 |
| 167.5° | 591.8 | 592.7 | 593.6 | 594.0  | 593.7 | 593.0 | 592.3 | 591.7 | 591.0 | 590.7 | 590.4 |
| 170°   | 595.3 | 596.2 | 597.1 | 597.5  | 597.2 | 596.5 | 595.8 | 595.1 | 594.4 | 594.2 | 594.0 |
| 172.5° | 597.9 | 598.8 | 599.7 | 600.1  | 599.8 | 599.1 | 598.4 | 597.7 | 597.0 | 596.8 | 596.6 |
| 175°   | 599.4 | 600.4 | 601.3 | 601.8  | 601.5 | 600.8 | 600.1 | 599.5 | 598.8 | 598.6 | 598.4 |
| 177.5° | 600.0 | 600.9 | 601.8 | 602.2  | 601.9 | 601.2 | 600.5 | 599.9 | 599.2 | 599.1 | 599.0 |
| 180°   | 599.6 | 599.6 | 599.6 | 599.6  | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 |

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9 | 577.9  | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 593.0 | 590.8 | 589.4  | 590.3 | 587.7 | 581.0 | 581.0 | 583.2 | 580.6 | 577.9 | 573.9 |
| 5°     | 609.4 | 605.0 | 602.3  | 601.9 | 595.7 | 585.0 | 582.8 | 580.6 | 574.8 | 568.6 | 561.9 |
| 7.5°   | 625.4 | 617.4 | 613.0  | 609.9 | 601.0 | 587.2 | 581.4 | 576.6 | 567.2 | 557.9 | 549.5 |
| 10°    | 638.7 | 627.2 | 621.9  | 617.0 | 605.4 | 588.1 | 578.8 | 569.9 | 557.9 | 545.9 | 535.2 |
| 12.5°  | 649.4 | 636.1 | 629.4  | 622.3 | 608.1 | 585.4 | 573.9 | 559.7 | 547.7 | 531.7 | 521.0 |
| 15°    | 667.2 | 639.6 | 633.4  | 626.8 | 612.1 | 581.0 | 566.8 | 550.8 | 534.4 | 513.0 | 501.5 |
| 17.5°  | 681.4 | 644.5 | 644.1  | 629.9 | 610.8 | 579.2 | 557.5 | 536.6 | 518.8 | 497.5 | 479.3 |
| 20°    | 689.8 | 652.1 | 645.0  | 630.3 | 606.3 | 567.2 | 544.6 | 521.5 | 502.4 | 476.6 | 458.4 |
| 22.5°  | 696.9 | 662.7 | 644.1  | 626.3 | 597.0 | 563.2 | 529.9 | 508.2 | 481.9 | 454.0 | 436.6 |
| 25°    | 699.6 | 665.0 | 645.4  | 625.0 | 590.3 | 551.7 | 513.9 | 490.4 | 461.1 | 435.7 | 412.2 |
| 27.5°  | 700.0 | 664.5 | 640.5  | 619.2 | 581.0 | 536.6 | 497.9 | 473.1 | 440.6 | 411.3 | 387.8 |
| 30°    | 695.6 | 659.6 | 637.9  | 614.8 | 572.1 | 522.8 | 478.4 | 450.9 | 416.2 | 386.9 | 362.5 |
| 32.5°  | 682.3 | 649.8 | 632.1  | 606.8 | 560.6 | 503.7 | 459.7 | 429.1 | 392.7 | 363.8 | 340.2 |
| 35°    | 660.1 | 637.9 | 618.3  | 594.8 | 545.5 | 485.9 | 441.1 | 405.1 | 368.2 | 340.7 | 318.5 |
| 37.5°  | 632.5 | 620.5 | 602.3  | 579.2 | 528.1 | 470.0 | 420.2 | 380.2 | 343.4 | 316.7 | 294.9 |
| 40°    | 595.2 | 598.3 | 580.6  | 559.7 | 507.7 | 448.2 | 393.1 | 354.9 | 320.3 | 295.4 | 274.1 |
| 42.5°  | 554.8 | 567.7 | 557.5  | 537.5 | 485.1 | 424.2 | 373.1 | 330.9 | 297.2 | 271.4 | 253.6 |
| 45°    | 511.3 | 533.5 | 527.3  | 512.6 | 461.5 | 398.9 | 344.7 | 303.8 | 274.1 | 249.2 | 233.6 |
| 47.5°  | 463.7 | 495.3 | 495.3  | 484.6 | 435.3 | 373.6 | 320.3 | 278.5 | 249.2 | 231.4 | 216.3 |
| 50°    | 415.3 | 450.9 | 456.6  | 449.5 | 406.0 | 344.7 | 290.5 | 252.7 | 227.4 | 210.1 | 199.0 |
| 52.5°  | 364.7 | 406.0 | 416.6  | 413.1 | 374.9 | 317.2 | 266.1 | 229.2 | 206.1 | 191.0 | 181.2 |
| 55°    | 316.3 | 364.2 | 375.8  | 377.1 | 341.6 | 286.9 | 239.0 | 206.5 | 184.3 | 174.1 | 165.7 |
| 57.5°  | 270.5 | 316.7 | 329.6  | 331.8 | 307.8 | 259.4 | 213.7 | 185.2 | 165.2 | 156.8 | 150.1 |
| 60°    | 231.4 | 270.1 | 286.9  | 291.8 | 271.0 | 227.4 | 190.1 | 162.6 | 147.5 | 139.5 | 133.3 |
| 62.5°  | 199.4 | 230.5 | 248.3  | 249.6 | 240.3 | 199.4 | 165.7 | 142.6 | 129.7 | 122.6 | 119.5 |
| 65°    | 168.3 | 196.3 | 207.0  | 212.3 | 204.8 | 172.8 | 143.0 | 123.9 | 113.7 | 107.5 | 104.4 |
| 67.5°  | 143.5 | 161.2 | 170.1  | 177.2 | 169.7 | 145.7 | 121.7 | 106.2 | 98.6  | 92.4  | 90.6  |
| 70°    | 117.7 | 132.4 | 139.0  | 146.1 | 139.5 | 121.3 | 103.9 | 89.7  | 83.1  | 78.2  | 76.0  |
| 72.5°  | 94.2  | 105.7 | 111.9  | 116.4 | 112.4 | 97.3  | 83.1  | 73.3  | 68.4  | 64.9  | 63.5  |
| 75°    | 74.6  | 82.6  | 86.2   | 89.3  | 87.5  | 76.0  | 67.1  | 59.1  | 54.6  | 51.5  | 50.6  |
| 77.5°  | 56.9  | 62.6  | 66.6   | 67.5  | 65.3  | 57.7  | 50.2  | 45.3  | 41.8  | 40.0  | 39.1  |
| 80°    | 40.4  | 44.0  | 46.2   | 47.5  | 45.3  | 42.2  | 36.9  | 33.3  | 30.2  | 28.0  | 27.5  |
| 82.5°  | 27.1  | 28.9  | 30.6   | 30.2  | 29.3  | 26.7  | 23.5  | 21.8  | 20.4  | 18.7  | 18.7  |
| 85°    | 15.5  | 16.0  | 16.9   | 17.3  | 16.9  | 15.1  | 13.3  | 12.4  | 11.5  | 10.2  | 10.2  |
| 87.5°  | 6.7   | 7.1   | 7.1    | 7.6   | 6.7   | 6.7   | 5.8   | 4.9   | 4.9   | 4.4   | 4.0   |
| 90°    | 6.4   | 5.6   | 5.2    | 4.7   | 3.6   | 2.5   | 1.5   | 0.4   | 1.5   | 2.5   | 3.6   |
| 92.5°  | 9.5   | 9.2   | 9.1    | 9.3   | 9.7   | 10.0  | 10.4  | 10.8  | 10.4  | 10.0  | 9.7   |
| 95°    | 14.9  | 14.2  | 13.9   | 15.5  | 18.7  | 21.8  | 25.0  | 28.2  | 25.0  | 21.8  | 18.7  |
| 97.5°  | 17.5  | 16.0  | 15.2   | 19.2  | 27.1  | 35.0  | 42.9  | 50.8  | 42.9  | 35.0  | 27.1  |
| 100°   | 19.8  | 18.2  | 17.4   | 24.0  | 37.2  | 50.4  | 63.6  | 76.8  | 63.6  | 50.4  | 37.2  |
| 102.5° | 78.3  | 95.8  | 104.6  | 104.7 | 104.9 | 105.0 | 105.2 | 105.4 | 105.2 | 105.0 | 104.9 |
| 105°   | 105.4 | 131.7 | 144.9  | 143.5 | 140.6 | 137.7 | 134.8 | 131.9 | 134.8 | 137.7 | 140.6 |
| 107.5° | 124.8 | 157.3 | 173.6  | 172.4 | 170.0 | 167.5 | 165.1 | 162.7 | 165.1 | 167.5 | 170.0 |
| 110°   | 159.5 | 187.4 | 201.3  | 200.3 | 198.3 | 196.2 | 194.2 | 192.2 | 194.2 | 196.2 | 198.3 |

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 225.3 | 227.0 | 227.8  | 226.9 | 225.2 | 223.5 | 221.7 | 220.0 | 221.7 | 223.5 | 225.2 |
| 115°   | 260.5 | 258.1 | 256.9  | 256.1 | 254.4 | 252.8 | 251.1 | 249.5 | 251.1 | 252.8 | 254.4 |
| 117.5° | 286.2 | 284.6 | 283.8  | 282.8 | 280.9 | 279.0 | 277.0 | 275.1 | 277.0 | 279.0 | 280.9 |
| 120°   | 312.8 | 311.1 | 310.2  | 309.5 | 308.0 | 306.6 | 305.1 | 303.7 | 305.1 | 306.6 | 308.0 |
| 122.5° | 337.9 | 336.0 | 335.0  | 334.2 | 332.7 | 331.1 | 329.6 | 328.0 | 329.6 | 331.1 | 332.7 |
| 125°   | 361.1 | 359.3 | 358.4  | 357.8 | 356.5 | 355.3 | 354.0 | 352.8 | 354.0 | 355.3 | 356.5 |
| 127.5° | 383.6 | 382.1 | 381.4  | 380.7 | 379.4 | 378.0 | 376.7 | 375.3 | 376.7 | 378.0 | 379.4 |
| 130°   | 405.1 | 404.0 | 403.5  | 402.7 | 401.2 | 399.7 | 398.1 | 396.6 | 398.1 | 399.7 | 401.2 |
| 132.5° | 425.5 | 424.4 | 423.9  | 423.3 | 422.0 | 420.8 | 419.5 | 418.3 | 419.5 | 420.8 | 422.0 |
| 135°   | 444.7 | 443.8 | 443.4  | 442.6 | 441.1 | 439.6 | 438.0 | 436.5 | 438.0 | 439.6 | 441.1 |
| 137.5° | 462.2 | 461.3 | 460.8  | 460.2 | 459.1 | 457.9 | 456.8 | 455.6 | 456.8 | 457.9 | 459.1 |
| 140°   | 479.3 | 478.2 | 477.7  | 477.3 | 476.5 | 475.8 | 475.0 | 474.2 | 475.0 | 475.8 | 476.5 |
| 142.5° | 494.8 | 493.5 | 492.9  | 492.6 | 491.9 | 491.2 | 490.6 | 489.9 | 490.6 | 491.2 | 491.9 |
| 145°   | 508.4 | 506.7 | 505.9  | 506.0 | 506.1 | 506.2 | 506.3 | 506.4 | 506.3 | 506.2 | 506.1 |
| 147.5° | 521.8 | 520.2 | 519.4  | 519.5 | 519.8 | 520.1 | 520.4 | 520.7 | 520.4 | 520.1 | 519.8 |
| 150°   | 533.8 | 532.3 | 531.5  | 531.8 | 532.5 | 533.2 | 533.9 | 534.6 | 533.9 | 533.2 | 532.5 |
| 152.5° | 545.0 | 543.5 | 542.8  | 543.2 | 544.0 | 544.7 | 545.5 | 546.3 | 545.5 | 544.7 | 544.0 |
| 155°   | 555.4 | 554.3 | 553.7  | 554.1 | 555.0 | 555.9 | 556.7 | 557.6 | 556.7 | 555.9 | 555.0 |
| 157.5° | 564.5 | 563.6 | 563.2  | 563.6 | 564.4 | 565.1 | 565.9 | 566.7 | 565.9 | 565.1 | 564.4 |
| 160°   | 572.8 | 572.2 | 571.9  | 572.2 | 572.8 | 573.3 | 573.9 | 574.5 | 573.9 | 573.3 | 572.8 |
| 162.5° | 579.5 | 579.0 | 578.8  | 579.1 | 579.7 | 580.2 | 580.8 | 581.4 | 580.8 | 580.2 | 579.7 |
| 165°   | 585.3 | 585.0 | 584.9  | 585.2 | 585.8 | 586.3 | 586.9 | 587.5 | 586.9 | 586.3 | 585.8 |
| 167.5° | 590.1 | 589.8 | 589.7  | 590.0 | 590.6 | 591.1 | 591.7 | 592.3 | 591.7 | 591.1 | 590.6 |
| 170°   | 593.9 | 593.7 | 593.6  | 593.9 | 594.5 | 595.0 | 595.6 | 596.2 | 595.6 | 595.0 | 594.5 |
| 172.5° | 596.5 | 596.3 | 596.2  | 596.5 | 597.1 | 597.6 | 598.2 | 598.8 | 598.2 | 597.6 | 597.1 |
| 175°   | 598.2 | 598.0 | 597.9  | 598.2 | 598.9 | 599.6 | 600.2 | 600.9 | 600.2 | 599.6 | 598.9 |
| 177.5° | 598.9 | 598.8 | 598.8  | 599.1 | 599.8 | 600.5 | 601.1 | 601.8 | 601.1 | 600.5 | 599.8 |
| 180°   | 599.6 | 599.6 | 599.6  | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 |

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9  | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 571.7 | 573.9  | 573.4 | 569.0 | 564.1 | 560.1 | 552.6 | 553.5 | 550.8 | 551.2 | 553.9 |
| 5°     | 557.5 | 557.5  | 555.7 | 549.5 | 541.5 | 537.0 | 528.6 | 526.4 | 521.0 | 520.6 | 520.1 |
| 7.5°   | 542.4 | 540.1  | 537.9 | 529.0 | 519.3 | 512.1 | 500.6 | 497.9 | 492.6 | 489.1 | 487.3 |
| 10°    | 524.6 | 521.5  | 517.0 | 506.8 | 494.8 | 485.9 | 473.9 | 470.4 | 460.2 | 455.7 | 453.1 |
| 12.5°  | 505.0 | 503.3  | 496.2 | 487.7 | 468.2 | 458.4 | 441.1 | 444.6 | 434.4 | 425.5 | 424.2 |
| 15°    | 485.5 | 478.8  | 474.8 | 461.1 | 437.5 | 433.1 | 419.3 | 412.2 | 402.9 | 395.8 | 395.8 |
| 17.5°  | 466.4 | 456.2  | 447.3 | 432.6 | 415.3 | 402.9 | 392.7 | 389.1 | 377.6 | 370.5 | 369.1 |
| 20°    | 441.1 | 429.5  | 427.3 | 406.4 | 394.4 | 380.7 | 370.9 | 362.0 | 353.6 | 350.5 | 348.2 |
| 22.5°  | 417.1 | 403.8  | 400.2 | 382.4 | 370.5 | 356.7 | 346.9 | 340.7 | 334.5 | 332.3 | 328.3 |
| 25°    | 391.3 | 383.3  | 378.0 | 358.9 | 345.6 | 332.7 | 326.0 | 321.6 | 315.8 | 315.4 | 312.7 |
| 27.5°  | 366.5 | 358.9  | 353.6 | 335.4 | 325.6 | 313.6 | 308.3 | 303.4 | 300.3 | 298.9 | 297.6 |
| 30°    | 345.1 | 336.7  | 330.5 | 317.2 | 305.2 | 295.4 | 290.9 | 287.8 | 286.1 | 283.8 | 283.4 |
| 32.5°  | 321.6 | 316.7  | 308.3 | 298.1 | 288.7 | 279.4 | 276.7 | 274.5 | 271.8 | 271.0 | 270.5 |
| 35°    | 301.6 | 294.9  | 289.6 | 278.1 | 274.1 | 266.1 | 263.0 | 261.2 | 257.6 | 256.7 | 255.9 |
| 37.5°  | 282.1 | 275.8  | 270.1 | 263.0 | 255.4 | 251.0 | 249.2 | 246.5 | 244.7 | 245.2 | 244.3 |
| 40°    | 262.5 | 257.6  | 253.2 | 245.6 | 241.2 | 239.0 | 235.4 | 232.8 | 231.9 | 232.3 | 231.9 |
| 42.5°  | 243.4 | 239.0  | 236.3 | 230.5 | 226.1 | 223.9 | 221.7 | 219.0 | 220.3 | 220.3 | 221.7 |
| 45°    | 226.1 | 222.1  | 220.3 | 215.9 | 213.2 | 209.7 | 207.4 | 207.0 | 208.8 | 208.3 | 208.3 |
| 47.5°  | 208.3 | 207.0  | 204.8 | 200.8 | 197.2 | 195.0 | 194.6 | 194.6 | 196.3 | 197.2 | 196.8 |
| 50°    | 194.6 | 191.9  | 189.2 | 186.1 | 183.4 | 182.6 | 181.2 | 182.1 | 183.9 | 183.9 | 184.8 |
| 52.5°  | 177.2 | 175.5  | 174.6 | 171.9 | 170.1 | 170.1 | 170.1 | 170.6 | 171.9 | 173.2 | 172.8 |
| 55°    | 162.1 | 160.8  | 159.9 | 158.6 | 156.4 | 156.8 | 156.4 | 157.2 | 158.6 | 159.9 | 160.8 |
| 57.5°  | 146.1 | 145.7  | 144.8 | 142.6 | 142.6 | 142.1 | 143.5 | 143.9 | 146.1 | 147.0 | 148.4 |
| 60°    | 131.9 | 130.6  | 130.6 | 128.8 | 128.8 | 128.8 | 130.1 | 131.5 | 133.3 | 133.7 | 134.6 |
| 62.5°  | 116.8 | 116.8  | 116.4 | 115.0 | 115.0 | 116.4 | 116.8 | 118.6 | 119.5 | 119.5 | 120.8 |
| 65°    | 102.6 | 102.2  | 101.7 | 102.2 | 102.6 | 102.6 | 103.9 | 104.8 | 105.7 | 106.2 | 106.6 |
| 67.5°  | 88.4  | 87.9   | 88.8  | 88.4  | 89.3  | 91.1  | 90.6  | 91.9  | 93.3  | 93.3  | 93.7  |
| 70°    | 75.1  | 76.0   | 75.5  | 76.4  | 76.0  | 76.8  | 78.2  | 78.6  | 78.6  | 79.1  | 80.4  |
| 72.5°  | 62.6  | 62.6   | 62.6  | 62.2  | 62.6  | 63.5  | 64.4  | 64.9  | 65.7  | 66.2  | 67.5  |
| 75°    | 50.6  | 50.6   | 49.7  | 50.6  | 50.6  | 51.5  | 52.4  | 52.4  | 52.4  | 53.3  | 54.6  |
| 77.5°  | 38.2  | 38.6   | 38.2  | 39.1  | 39.1  | 39.5  | 40.4  | 40.0  | 40.9  | 41.3  | 41.8  |
| 80°    | 28.0  | 27.5   | 27.5  | 27.5  | 28.0  | 28.0  | 28.9  | 29.3  | 29.3  | 30.6  | 29.8  |
| 82.5°  | 17.8  | 18.2   | 17.8  | 18.2  | 18.2  | 18.7  | 18.2  | 18.7  | 19.1  | 20.0  | 19.5  |
| 85°    | 10.2  | 9.8    | 9.8   | 10.2  | 9.8   | 9.8   | 10.2  | 9.8   | 10.2  | 9.8   | 10.2  |
| 87.5°  | 4.0   | 3.6    | 3.6   | 3.6   | 3.6   | 3.1   | 3.1   | 2.7   | 2.7   | 2.7   | 2.2   |
| 90°    | 4.7   | 5.2    | 5.6   | 6.4   | 7.1   | 7.9   | 8.7   | 9.2   | 9.6   | 10.1  | 10.6  |
| 92.5°  | 9.3   | 9.1    | 9.2   | 9.5   | 9.8   | 10.1  | 10.4  | 10.6  | 10.8  | 11.0  | 11.2  |
| 95°    | 15.5  | 13.9   | 14.2  | 14.9  | 15.6  | 16.2  | 16.9  | 17.4  | 17.9  | 18.4  | 18.9  |
| 97.5°  | 19.2  | 15.2   | 16.0  | 17.5  | 19.0  | 20.6  | 22.1  | 22.4  | 22.7  | 23.0  | 23.3  |
| 100°   | 24.0  | 17.4   | 18.2  | 19.8  | 21.5  | 23.1  | 24.7  | 25.5  | 26.3  | 27.0  | 27.8  |
| 102.5° | 104.7 | 104.6  | 95.8  | 78.3  | 60.7  | 43.2  | 25.6  | 26.7  | 27.7  | 28.8  | 29.9  |
| 105°   | 143.5 | 144.9  | 131.7 | 105.4 | 79.1  | 52.8  | 26.5  | 27.5  | 28.6  | 29.6  | 30.7  |
| 107.5° | 172.4 | 173.6  | 157.3 | 124.8 | 92.3  | 59.8  | 27.3  | 28.4  | 29.4  | 30.5  | 31.6  |
| 110°   | 200.3 | 201.3  | 187.4 | 159.5 | 131.6 | 103.8 | 75.9  | 66.3  | 56.6  | 47.0  | 37.3  |

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 226.9 | 227.8  | 227.0 | 225.3 | 223.7 | 222.0 | 220.4 | 178.8 | 137.3 | 95.7  | 54.2  |
| 115°   | 256.1 | 256.9  | 258.1 | 260.5 | 262.9 | 265.3 | 267.7 | 223.1 | 178.4 | 133.8 | 89.1  |
| 117.5° | 282.8 | 283.8  | 284.6 | 286.2 | 287.9 | 289.5 | 291.1 | 277.3 | 263.5 | 249.8 | 236.0 |
| 120°   | 309.5 | 310.2  | 311.1 | 312.8 | 314.5 | 316.3 | 318.0 | 319.2 | 320.4 | 321.5 | 322.7 |
| 122.5° | 334.2 | 335.0  | 336.0 | 337.9 | 339.8 | 341.7 | 343.6 | 344.2 | 344.8 | 345.3 | 345.9 |
| 125°   | 357.8 | 358.4  | 359.3 | 361.1 | 363.0 | 364.8 | 366.6 | 367.3 | 368.0 | 368.7 | 369.4 |
| 127.5° | 380.7 | 381.4  | 382.1 | 383.6 | 385.0 | 386.5 | 387.9 | 388.9 | 389.8 | 390.8 | 391.7 |
| 130°   | 402.7 | 403.5  | 404.0 | 405.1 | 406.2 | 407.2 | 408.3 | 409.4 | 410.4 | 411.5 | 412.6 |
| 132.5° | 423.3 | 423.9  | 424.4 | 425.5 | 426.6 | 427.6 | 428.7 | 429.6 | 430.4 | 431.3 | 432.2 |
| 135°   | 442.6 | 443.4  | 443.8 | 444.7 | 445.6 | 446.4 | 447.3 | 448.3 | 449.3 | 450.2 | 451.2 |
| 137.5° | 460.2 | 460.8  | 461.3 | 462.2 | 463.2 | 464.1 | 465.1 | 466.1 | 467.1 | 468.0 | 469.0 |
| 140°   | 477.3 | 477.7  | 478.2 | 479.3 | 480.4 | 481.4 | 482.5 | 483.4 | 484.2 | 485.1 | 486.0 |
| 142.5° | 492.6 | 492.9  | 493.5 | 494.8 | 496.0 | 497.3 | 498.5 | 499.3 | 500.1 | 500.8 | 501.6 |
| 145°   | 506.0 | 505.9  | 506.7 | 508.4 | 510.0 | 511.7 | 513.3 | 514.0 | 514.6 | 515.3 | 516.0 |
| 147.5° | 519.5 | 519.4  | 520.2 | 521.8 | 523.5 | 525.1 | 526.7 | 527.2 | 527.7 | 528.2 | 528.7 |
| 150°   | 531.8 | 531.5  | 532.3 | 533.8 | 535.4 | 536.9 | 538.5 | 539.1 | 539.7 | 540.2 | 540.8 |
| 152.5° | 543.2 | 542.8  | 543.5 | 545.0 | 546.4 | 547.9 | 549.3 | 549.9 | 550.5 | 551.0 | 551.6 |
| 155°   | 554.1 | 553.7  | 554.3 | 555.4 | 556.6 | 557.7 | 558.9 | 559.5 | 560.1 | 560.6 | 561.2 |
| 157.5° | 563.6 | 563.2  | 563.6 | 564.5 | 565.4 | 566.2 | 567.1 | 567.8 | 568.4 | 569.1 | 569.8 |
| 160°   | 572.2 | 571.9  | 572.2 | 572.8 | 573.3 | 573.9 | 574.5 | 575.1 | 575.7 | 576.2 | 576.8 |
| 162.5° | 579.1 | 578.8  | 579.0 | 579.5 | 580.0 | 580.5 | 581.0 | 581.7 | 582.3 | 583.0 | 583.7 |
| 165°   | 585.2 | 584.9  | 585.0 | 585.3 | 585.6 | 585.9 | 586.2 | 586.9 | 587.5 | 588.2 | 588.9 |
| 167.5° | 590.0 | 589.7  | 589.8 | 590.1 | 590.4 | 590.7 | 591.0 | 591.7 | 592.3 | 593.0 | 593.7 |
| 170°   | 593.9 | 593.6  | 593.7 | 593.9 | 594.0 | 594.2 | 594.4 | 595.1 | 595.8 | 596.5 | 597.2 |
| 172.5° | 596.5 | 596.2  | 596.3 | 596.5 | 596.6 | 596.8 | 597.0 | 597.7 | 598.4 | 599.1 | 599.8 |
| 175°   | 598.2 | 597.9  | 598.0 | 598.2 | 598.4 | 598.6 | 598.8 | 599.5 | 600.1 | 600.8 | 601.5 |
| 177.5° | 599.1 | 598.8  | 598.8 | 598.9 | 599.0 | 599.1 | 599.2 | 599.9 | 600.5 | 601.2 | 601.9 |
| 180°   | 599.6 | 599.6  | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 |

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 577.9  | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9  |
| 2.5°   | 550.8  | 552.1 | 549.0 | 548.1 | 549.0 | 545.9 | 546.8 | 547.7 | 547.7 | 549.0 | 549.9  |
| 5°     | 518.8  | 517.0 | 513.9 | 513.0 | 512.1 | 513.5 | 512.6 | 513.9 | 514.4 | 517.5 | 517.9  |
| 7.5°   | 487.3  | 484.6 | 481.9 | 479.3 | 478.4 | 476.2 | 478.4 | 478.4 | 481.5 | 480.6 | 482.8  |
| 10°    | 450.0  | 449.5 | 446.0 | 444.6 | 442.9 | 439.3 | 444.2 | 442.9 | 445.1 | 449.1 | 450.0  |
| 12.5°  | 422.4  | 417.5 | 419.8 | 413.5 | 415.8 | 412.2 | 412.7 | 412.7 | 416.2 | 416.6 | 415.8  |
| 15°    | 396.2  | 392.2 | 386.4 | 383.8 | 382.4 | 380.7 | 386.4 | 386.9 | 384.2 | 390.4 | 388.2  |
| 17.5°  | 369.6  | 369.6 | 364.2 | 362.9 | 359.3 | 361.1 | 360.2 | 360.7 | 359.8 | 364.2 | 366.5  |
| 20°    | 346.5  | 344.2 | 342.5 | 342.9 | 338.5 | 337.6 | 336.7 | 337.6 | 340.7 | 343.8 | 344.7  |
| 22.5°  | 327.8  | 326.5 | 322.0 | 322.9 | 319.4 | 320.7 | 319.8 | 322.0 | 322.5 | 322.5 | 325.6  |
| 25°    | 310.0  | 308.3 | 308.7 | 306.9 | 305.6 | 305.6 | 304.3 | 305.6 | 307.4 | 308.3 | 308.7  |
| 27.5°  | 296.7  | 295.4 | 293.2 | 291.8 | 292.7 | 290.5 | 292.3 | 293.6 | 293.6 | 292.7 | 293.6  |
| 30°    | 280.7  | 281.6 | 281.6 | 277.2 | 279.0 | 278.1 | 279.4 | 280.3 | 280.3 | 280.7 | 279.8  |
| 32.5°  | 270.1  | 267.4 | 267.0 | 266.5 | 266.5 | 264.7 | 264.7 | 266.1 | 266.5 | 267.0 | 268.3  |
| 35°    | 255.9  | 255.9 | 253.6 | 255.0 | 253.2 | 253.6 | 253.2 | 253.6 | 254.5 | 253.2 | 254.5  |
| 37.5°  | 243.0  | 243.4 | 242.5 | 243.4 | 243.9 | 243.0 | 242.1 | 243.9 | 243.0 | 243.0 | 242.1  |
| 40°    | 231.9  | 231.4 | 231.9 | 231.9 | 231.9 | 232.3 | 231.4 | 231.4 | 231.4 | 230.5 | 229.6  |
| 42.5°  | 222.5  | 219.9 | 220.8 | 221.2 | 219.9 | 219.9 | 220.3 | 219.9 | 221.2 | 218.5 | 218.5  |
| 45°    | 209.2  | 208.3 | 208.8 | 208.8 | 209.7 | 208.3 | 209.2 | 209.7 | 208.3 | 207.9 | 207.0  |
| 47.5°  | 197.2  | 198.1 | 197.2 | 198.1 | 198.1 | 199.0 | 197.2 | 197.7 | 198.1 | 196.3 | 195.0  |
| 50°    | 185.2  | 185.2 | 186.6 | 186.1 | 186.6 | 185.7 | 185.7 | 185.2 | 185.7 | 184.8 | 183.4  |
| 52.5°  | 174.1  | 172.8 | 175.0 | 174.6 | 174.1 | 173.7 | 173.2 | 173.7 | 172.8 | 171.9 | 171.9  |
| 55°    | 160.4  | 160.4 | 161.7 | 162.1 | 162.1 | 161.2 | 160.4 | 160.8 | 160.4 | 159.9 | 159.5  |
| 57.5°  | 149.2  | 147.5 | 148.4 | 148.8 | 148.8 | 147.5 | 148.4 | 147.5 | 147.5 | 147.9 | 146.6  |
| 60°    | 135.0  | 135.0 | 134.1 | 135.5 | 135.5 | 134.6 | 134.6 | 135.0 | 134.1 | 133.7 | 133.3  |
| 62.5°  | 119.9  | 120.4 | 121.7 | 122.2 | 122.6 | 121.7 | 120.8 | 121.3 | 121.3 | 119.9 | 120.4  |
| 65°    | 107.0  | 107.9 | 109.7 | 109.3 | 108.4 | 108.8 | 107.9 | 108.4 | 107.0 | 107.5 | 106.2  |
| 67.5°  | 94.6   | 94.2  | 94.6  | 94.6  | 95.5  | 95.1  | 94.2  | 94.2  | 93.7  | 95.1  | 93.7   |
| 70°    | 81.3   | 81.3  | 81.3  | 81.3  | 81.7  | 82.2  | 81.3  | 80.4  | 80.8  | 80.0  | 79.5   |
| 72.5°  | 67.5   | 68.0  | 67.5  | 68.4  | 67.1  | 68.0  | 68.0  | 67.5  | 67.1  | 67.1  | 67.1   |
| 75°    | 54.6   | 55.5  | 54.2  | 54.6  | 54.2  | 55.1  | 54.6  | 54.6  | 53.7  | 53.3  | 53.7   |
| 77.5°  | 41.8   | 42.2  | 41.3  | 41.8  | 41.3  | 41.8  | 41.8  | 41.3  | 41.3  | 41.3  | 41.3   |
| 80°    | 29.8   | 30.2  | 29.8  | 29.3  | 28.9  | 29.8  | 28.9  | 29.3  | 29.8  | 29.3  | 30.2   |
| 82.5°  | 19.1   | 19.1  | 18.7  | 19.1  | 18.2  | 18.2  | 18.7  | 18.7  | 18.2  | 19.1  | 18.2   |
| 85°    | 9.3    | 9.3   | 10.2  | 9.3   | 8.9   | 8.9   | 8.9   | 9.3   | 8.9   | 9.8   | 9.3    |
| 87.5°  | 2.2    | 1.8   | 2.2   | 2.2   | 1.8   | 1.8   | 2.2   | 1.8   | 2.2   | 2.7   | 1.8    |
| 90°    | 10.8   | 10.9  | 11.1  | 11.3  | 11.5  | 11.7  | 11.5  | 11.3  | 11.1  | 10.9  | 10.8   |
| 92.5°  | 11.3   | 11.3  | 11.4  | 11.5  | 11.6  | 11.7  | 11.6  | 11.5  | 11.4  | 11.3  | 11.3   |
| 95°    | 19.1   | 19.1  | 19.0  | 18.9  | 18.8  | 18.7  | 18.8  | 18.9  | 19.0  | 19.1  | 19.1   |
| 97.5°  | 23.4   | 23.5  | 23.6  | 23.7  | 23.8  | 23.9  | 23.8  | 23.7  | 23.6  | 23.5  | 23.4   |
| 100°   | 28.2   | 28.3  | 28.5  | 28.7  | 28.9  | 29.1  | 28.9  | 28.7  | 28.5  | 28.3  | 28.2   |
| 102.5° | 30.4   | 30.5  | 30.8  | 31.1  | 31.4  | 31.7  | 31.4  | 31.1  | 30.8  | 30.5  | 30.4   |
| 105°   | 31.2   | 31.4  | 31.8  | 32.2  | 32.6  | 33.0  | 32.6  | 32.2  | 31.8  | 31.4  | 31.2   |
| 107.5° | 32.1   | 32.3  | 32.7  | 33.0  | 33.4  | 33.8  | 33.4  | 33.0  | 32.7  | 32.3  | 32.1   |
| 110°   | 32.5   | 32.7  | 33.1  | 33.5  | 33.9  | 34.3  | 33.9  | 33.5  | 33.1  | 32.7  | 32.5   |

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 33.4   | 33.5  | 33.8  | 34.1  | 34.4  | 34.7  | 34.4  | 34.1  | 33.8  | 33.5  | 33.4   |
| 115°   | 66.8   | 63.3  | 56.4  | 49.5  | 42.5  | 35.6  | 42.5  | 49.5  | 56.4  | 63.3  | 66.8   |
| 117.5° | 229.1  | 216.5 | 191.2 | 165.9 | 140.7 | 115.4 | 140.7 | 165.9 | 191.2 | 216.5 | 229.1  |
| 120°   | 323.3  | 316.8 | 303.8 | 290.7 | 277.7 | 264.7 | 277.7 | 290.7 | 303.8 | 316.8 | 323.3  |
| 122.5° | 346.2  | 346.3 | 346.4 | 346.5 | 346.6 | 346.7 | 346.6 | 346.5 | 346.4 | 346.3 | 346.2  |
| 125°   | 369.7  | 369.8 | 370.1 | 370.4 | 370.7 | 371.0 | 370.7 | 370.4 | 370.1 | 369.8 | 369.7  |
| 127.5° | 392.2  | 392.3 | 392.4 | 392.5 | 392.6 | 392.7 | 392.6 | 392.5 | 392.4 | 392.3 | 392.2  |
| 130°   | 413.1  | 413.0 | 412.9 | 412.8 | 412.7 | 412.6 | 412.7 | 412.8 | 412.9 | 413.0 | 413.1  |
| 132.5° | 432.6  | 432.6 | 432.5 | 432.4 | 432.3 | 432.2 | 432.3 | 432.4 | 432.5 | 432.6 | 432.6  |
| 135°   | 451.7  | 451.6 | 451.4 | 451.2 | 451.0 | 450.8 | 451.0 | 451.2 | 451.4 | 451.6 | 451.7  |
| 137.5° | 469.5  | 469.4 | 469.1 | 468.8 | 468.5 | 468.2 | 468.5 | 468.8 | 469.1 | 469.4 | 469.5  |
| 140°   | 486.4  | 486.2 | 485.7 | 485.2 | 484.7 | 484.2 | 484.7 | 485.2 | 485.7 | 486.2 | 486.4  |
| 142.5° | 502.0  | 501.8 | 501.3 | 500.8 | 500.3 | 499.8 | 500.3 | 500.8 | 501.3 | 501.8 | 502.0  |
| 145°   | 516.3  | 516.1 | 515.6 | 515.1 | 514.7 | 514.2 | 514.7 | 515.1 | 515.6 | 516.1 | 516.3  |
| 147.5° | 528.9  | 528.7 | 528.3 | 528.0 | 527.6 | 527.2 | 527.6 | 528.0 | 528.3 | 528.7 | 528.9  |
| 150°   | 541.1  | 540.9 | 540.4 | 539.9 | 539.4 | 538.9 | 539.4 | 539.9 | 540.4 | 540.9 | 541.1  |
| 152.5° | 551.9  | 551.6 | 550.9 | 550.2 | 549.6 | 548.9 | 549.6 | 550.2 | 550.9 | 551.6 | 551.9  |
| 155°   | 561.5  | 561.1 | 560.3 | 559.6 | 558.8 | 558.0 | 558.8 | 559.6 | 560.3 | 561.1 | 561.5  |
| 157.5° | 570.1  | 569.7 | 569.0 | 568.2 | 567.5 | 566.7 | 567.5 | 568.2 | 569.0 | 569.7 | 570.1  |
| 160°   | 577.1  | 576.8 | 576.1 | 575.4 | 574.7 | 574.0 | 574.7 | 575.4 | 576.1 | 576.8 | 577.1  |
| 162.5° | 584.0  | 583.6 | 582.7 | 581.8 | 581.0 | 580.1 | 581.0 | 581.8 | 582.7 | 583.6 | 584.0  |
| 165°   | 589.2  | 588.9 | 588.2 | 587.5 | 586.9 | 586.2 | 586.9 | 587.5 | 588.2 | 588.9 | 589.2  |
| 167.5° | 594.0  | 593.6 | 592.7 | 591.8 | 591.0 | 590.1 | 591.0 | 591.8 | 592.7 | 593.6 | 594.0  |
| 170°   | 597.5  | 597.1 | 596.2 | 595.3 | 594.5 | 593.6 | 594.5 | 595.3 | 596.2 | 597.1 | 597.5  |
| 172.5° | 600.1  | 599.7 | 598.8 | 597.9 | 597.1 | 596.2 | 597.1 | 597.9 | 598.8 | 599.7 | 600.1  |
| 175°   | 601.8  | 601.3 | 600.4 | 599.4 | 598.5 | 597.5 | 598.5 | 599.4 | 600.4 | 601.3 | 601.8  |
| 177.5° | 602.2  | 601.8 | 600.9 | 600.0 | 599.2 | 598.3 | 599.2 | 600.0 | 600.9 | 601.8 | 602.2  |
| 180°   | 599.6  | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6  |

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9  | 577.9 |
| 2.5°   | 548.6 | 552.1 | 550.8 | 545.9 | 551.7 | 551.7 | 555.7 | 555.7 | 560.6 | 562.3  | 565.0 |
| 5°     | 517.5 | 520.1 | 522.4 | 520.1 | 524.1 | 530.4 | 533.9 | 537.0 | 543.7 | 546.4  | 550.3 |
| 7.5°   | 484.2 | 489.1 | 491.3 | 491.3 | 497.9 | 505.0 | 512.1 | 516.6 | 525.9 | 529.5  | 533.5 |
| 10°    | 451.7 | 457.5 | 462.0 | 461.5 | 472.6 | 477.1 | 485.9 | 496.2 | 505.5 | 510.8  | 516.6 |
| 12.5°  | 417.5 | 420.6 | 426.9 | 435.7 | 438.4 | 446.4 | 456.6 | 469.5 | 486.4 | 491.3  | 499.7 |
| 15°    | 389.1 | 397.5 | 402.4 | 406.4 | 412.7 | 420.2 | 431.3 | 443.7 | 460.6 | 471.3  | 480.2 |
| 17.5°  | 365.1 | 376.2 | 379.3 | 378.4 | 386.4 | 398.0 | 410.9 | 420.2 | 435.3 | 448.2  | 456.6 |
| 20°    | 345.6 | 350.0 | 355.4 | 357.6 | 363.8 | 376.2 | 388.7 | 399.3 | 411.8 | 422.0  | 431.8 |
| 22.5°  | 326.0 | 329.6 | 334.0 | 338.0 | 342.9 | 350.0 | 362.0 | 375.3 | 387.3 | 397.1  | 408.2 |
| 25°    | 310.0 | 312.3 | 316.3 | 319.4 | 324.7 | 329.6 | 338.0 | 352.7 | 366.9 | 372.7  | 382.4 |
| 27.5°  | 294.5 | 296.3 | 298.9 | 302.5 | 305.2 | 310.0 | 317.6 | 329.6 | 344.2 | 350.0  | 363.3 |
| 30°    | 280.7 | 282.1 | 284.7 | 286.5 | 287.8 | 293.6 | 299.4 | 308.7 | 319.8 | 327.8  | 337.6 |
| 32.5°  | 267.8 | 269.2 | 271.8 | 272.3 | 274.1 | 277.2 | 282.5 | 290.9 | 300.7 | 307.4  | 315.8 |
| 35°    | 253.6 | 254.5 | 257.2 | 258.1 | 259.4 | 262.1 | 266.1 | 272.3 | 281.2 | 286.1  | 293.6 |
| 37.5°  | 242.5 | 242.1 | 243.9 | 245.2 | 247.0 | 248.3 | 249.6 | 255.9 | 262.5 | 267.0  | 272.7 |
| 40°    | 230.5 | 229.6 | 230.1 | 231.9 | 232.8 | 234.5 | 234.5 | 240.8 | 245.2 | 248.7  | 253.2 |
| 42.5°  | 218.5 | 218.1 | 217.2 | 218.1 | 219.0 | 219.4 | 219.9 | 224.3 | 228.8 | 231.9  | 236.8 |
| 45°    | 206.5 | 206.1 | 205.2 | 205.7 | 205.7 | 206.5 | 207.9 | 209.7 | 212.8 | 215.4  | 218.1 |
| 47.5°  | 195.4 | 194.6 | 193.2 | 192.8 | 193.7 | 193.7 | 193.7 | 195.4 | 198.6 | 199.4  | 202.1 |
| 50°    | 183.9 | 182.6 | 180.8 | 179.9 | 179.9 | 179.5 | 180.3 | 180.8 | 183.4 | 184.3  | 186.6 |
| 52.5°  | 171.5 | 170.6 | 168.8 | 167.0 | 167.5 | 166.6 | 167.0 | 167.5 | 168.3 | 169.7  | 171.0 |
| 55°    | 159.0 | 157.2 | 155.9 | 155.5 | 154.1 | 154.1 | 152.8 | 154.6 | 154.1 | 154.6  | 156.4 |
| 57.5°  | 147.0 | 145.2 | 143.0 | 142.1 | 140.8 | 140.4 | 139.5 | 139.0 | 139.5 | 140.8  | 142.1 |
| 60°    | 132.8 | 131.9 | 130.6 | 129.3 | 128.4 | 127.0 | 126.1 | 126.1 | 125.7 | 125.7  | 126.1 |
| 62.5°  | 119.0 | 118.6 | 116.8 | 116.4 | 115.5 | 114.6 | 113.3 | 112.4 | 112.4 | 113.3  | 113.7 |
| 65°    | 105.7 | 105.3 | 103.9 | 103.5 | 101.3 | 100.4 | 99.9  | 99.5  | 98.6  | 98.6   | 98.6  |
| 67.5°  | 93.3  | 91.9  | 91.9  | 89.7  | 87.9  | 87.1  | 86.2  | 85.7  | 85.7  | 85.7   | 86.2  |
| 70°    | 79.5  | 79.5  | 78.2  | 76.8  | 75.1  | 75.5  | 74.2  | 72.8  | 72.8  | 72.0   | 72.4  |
| 72.5°  | 66.2  | 65.7  | 64.4  | 64.0  | 62.6  | 61.3  | 60.4  | 61.3  | 60.0  | 59.5   | 60.0  |
| 75°    | 53.3  | 52.9  | 52.0  | 51.1  | 51.5  | 50.2  | 48.9  | 48.4  | 48.4  | 47.5   | 47.5  |
| 77.5°  | 40.9  | 41.8  | 40.0  | 39.5  | 38.6  | 37.8  | 37.3  | 36.9  | 36.9  | 36.9   | 37.8  |
| 80°    | 28.4  | 28.9  | 28.9  | 28.0  | 28.4  | 27.1  | 27.1  | 27.1  | 25.8  | 26.2   | 26.7  |
| 82.5°  | 18.2  | 18.2  | 17.8  | 18.2  | 17.8  | 17.8  | 17.3  | 17.3  | 16.9  | 16.9   | 17.3  |
| 85°    | 10.2  | 9.8   | 9.3   | 10.2  | 9.8   | 9.8   | 9.3   | 9.3   | 9.3   | 9.3    | 9.3   |
| 87.5°  | 2.2   | 2.7   | 2.7   | 2.7   | 2.7   | 3.1   | 3.1   | 3.1   | 3.6   | 3.6    | 3.6   |
| 90°    | 10.6  | 10.1  | 9.6   | 9.2   | 8.7   | 7.9   | 7.1   | 6.4   | 5.6   | 5.2    | 4.7   |
| 92.5°  | 11.2  | 11.0  | 10.8  | 10.6  | 10.4  | 10.1  | 9.8   | 9.5   | 9.2   | 9.1    | 9.3   |
| 95°    | 18.9  | 18.4  | 17.9  | 17.4  | 16.9  | 16.2  | 15.6  | 14.9  | 14.2  | 13.9   | 15.5  |
| 97.5°  | 23.3  | 23.0  | 22.7  | 22.4  | 22.1  | 20.6  | 19.0  | 17.5  | 16.0  | 15.2   | 19.2  |
| 100°   | 27.8  | 27.0  | 26.3  | 25.5  | 24.7  | 23.1  | 21.5  | 19.8  | 18.2  | 17.4   | 24.0  |
| 102.5° | 29.9  | 28.8  | 27.7  | 26.7  | 25.6  | 43.2  | 60.7  | 78.3  | 95.8  | 104.6  | 104.7 |
| 105°   | 30.7  | 29.6  | 28.6  | 27.5  | 26.5  | 52.8  | 79.1  | 105.4 | 131.7 | 144.9  | 143.5 |
| 107.5° | 31.6  | 30.5  | 29.4  | 28.4  | 27.3  | 59.8  | 92.3  | 124.8 | 157.3 | 173.6  | 172.4 |
| 110°   | 37.3  | 47.0  | 56.6  | 66.3  | 75.9  | 103.8 | 131.6 | 159.5 | 187.4 | 201.3  | 200.3 |

TEST NUMBER: P1029368

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 54.2  | 95.7  | 137.3 | 178.8 | 220.4 | 222.0 | 223.7 | 225.3 | 227.0 | 227.8  | 226.9 |
| 115°   | 89.1  | 133.8 | 178.4 | 223.1 | 267.7 | 265.3 | 262.9 | 260.5 | 258.1 | 256.9  | 256.1 |
| 117.5° | 236.0 | 249.8 | 263.5 | 277.3 | 291.1 | 289.5 | 287.9 | 286.2 | 284.6 | 283.8  | 282.8 |
| 120°   | 322.7 | 321.5 | 320.4 | 319.2 | 318.0 | 316.3 | 314.5 | 312.8 | 311.1 | 310.2  | 309.5 |
| 122.5° | 345.9 | 345.3 | 344.8 | 344.2 | 343.6 | 341.7 | 339.8 | 337.9 | 336.0 | 335.0  | 334.2 |
| 125°   | 369.4 | 368.7 | 368.0 | 367.3 | 366.6 | 364.8 | 363.0 | 361.1 | 359.3 | 358.4  | 357.8 |
| 127.5° | 391.7 | 390.8 | 389.8 | 388.9 | 387.9 | 386.5 | 385.0 | 383.6 | 382.1 | 381.4  | 380.7 |
| 130°   | 412.6 | 411.5 | 410.4 | 409.4 | 408.3 | 407.2 | 406.2 | 405.1 | 404.0 | 403.5  | 402.7 |
| 132.5° | 432.2 | 431.3 | 430.4 | 429.6 | 428.7 | 427.6 | 426.6 | 425.5 | 424.4 | 423.9  | 423.3 |
| 135°   | 451.2 | 450.2 | 449.3 | 448.3 | 447.3 | 446.4 | 445.6 | 444.7 | 443.8 | 443.4  | 442.6 |
| 137.5° | 469.0 | 468.0 | 467.1 | 466.1 | 465.1 | 464.1 | 463.2 | 462.2 | 461.3 | 460.8  | 460.2 |
| 140°   | 486.0 | 485.1 | 484.2 | 483.4 | 482.5 | 481.4 | 480.4 | 479.3 | 478.2 | 477.7  | 477.3 |
| 142.5° | 501.6 | 500.8 | 500.1 | 499.3 | 498.5 | 497.3 | 496.0 | 494.8 | 493.5 | 492.9  | 492.6 |
| 145°   | 516.0 | 515.3 | 514.6 | 514.0 | 513.3 | 511.7 | 510.0 | 508.4 | 506.7 | 505.9  | 506.0 |
| 147.5° | 528.7 | 528.2 | 527.7 | 527.2 | 526.7 | 525.1 | 523.5 | 521.8 | 520.2 | 519.4  | 519.5 |
| 150°   | 540.8 | 540.2 | 539.7 | 539.1 | 538.5 | 536.9 | 535.4 | 533.8 | 532.3 | 531.5  | 531.8 |
| 152.5° | 551.6 | 551.0 | 550.5 | 549.9 | 549.3 | 547.9 | 546.4 | 545.0 | 543.5 | 542.8  | 543.2 |
| 155°   | 561.2 | 560.6 | 560.1 | 559.5 | 558.9 | 557.7 | 556.6 | 555.4 | 554.3 | 553.7  | 554.1 |
| 157.5° | 569.8 | 569.1 | 568.4 | 567.8 | 567.1 | 566.2 | 565.4 | 564.5 | 563.6 | 563.2  | 563.6 |
| 160°   | 576.8 | 576.2 | 575.7 | 575.1 | 574.5 | 573.9 | 573.3 | 572.8 | 572.2 | 571.9  | 572.2 |
| 162.5° | 583.7 | 583.0 | 582.3 | 581.7 | 581.0 | 580.5 | 580.0 | 579.5 | 579.0 | 578.8  | 579.1 |
| 165°   | 588.9 | 588.2 | 587.5 | 586.9 | 586.2 | 585.9 | 585.6 | 585.3 | 585.0 | 584.9  | 585.2 |
| 167.5° | 593.7 | 593.0 | 592.3 | 591.7 | 591.0 | 590.7 | 590.4 | 590.1 | 589.8 | 589.7  | 590.0 |
| 170°   | 597.2 | 596.5 | 595.8 | 595.1 | 594.4 | 594.2 | 594.0 | 593.9 | 593.7 | 593.6  | 593.9 |
| 172.5° | 599.8 | 599.1 | 598.4 | 597.7 | 597.0 | 596.8 | 596.6 | 596.5 | 596.3 | 596.2  | 596.5 |
| 175°   | 601.5 | 600.8 | 600.1 | 599.5 | 598.8 | 598.6 | 598.4 | 598.2 | 598.0 | 597.9  | 598.2 |
| 177.5° | 601.9 | 601.2 | 600.5 | 599.9 | 599.2 | 599.1 | 599.0 | 598.9 | 598.8 | 598.8  | 599.1 |
| 180°   | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6 | 599.6  | 599.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 567.2 | 567.2 | 573.9 | 581.0 |
| 5°     | 554.8 | 557.9 | 568.6 | 578.3 |
| 7.5°   | 542.8 | 548.1 | 561.5 | 573.9 |
| 10°    | 528.1 | 535.2 | 551.7 | 566.3 |
| 12.5°  | 513.9 | 520.6 | 539.7 | 556.1 |
| 15°    | 493.9 | 502.4 | 522.8 | 543.2 |
| 17.5°  | 473.9 | 482.4 | 507.3 | 531.2 |
| 20°    | 450.4 | 461.5 | 489.5 | 521.5 |
| 22.5°  | 428.6 | 442.4 | 473.5 | 499.3 |
| 25°    | 404.7 | 426.0 | 454.8 | 488.2 |
| 27.5°  | 383.3 | 404.7 | 434.0 | 467.7 |
| 30°    | 359.3 | 381.1 | 411.3 | 442.4 |
| 32.5°  | 336.3 | 356.2 | 385.6 | 423.8 |
| 35°    | 312.3 | 331.4 | 359.8 | 398.4 |
| 37.5°  | 290.5 | 309.2 | 340.2 | 375.8 |
| 40°    | 269.2 | 288.7 | 315.4 | 350.9 |
| 42.5°  | 249.2 | 266.5 | 290.5 | 326.0 |
| 45°    | 231.0 | 243.4 | 265.6 | 298.9 |
| 47.5°  | 211.9 | 223.0 | 243.4 | 276.7 |
| 50°    | 194.1 | 203.4 | 221.2 | 252.3 |
| 52.5°  | 176.8 | 184.8 | 201.2 | 226.1 |
| 55°    | 161.2 | 168.8 | 180.8 | 205.2 |
| 57.5°  | 145.2 | 151.0 | 162.6 | 182.1 |
| 60°    | 129.7 | 135.0 | 144.4 | 160.4 |
| 62.5°  | 114.2 | 118.6 | 127.5 | 140.4 |
| 65°    | 100.4 | 103.9 | 110.6 | 121.7 |
| 67.5°  | 87.1  | 89.3  | 94.6  | 103.5 |
| 70°    | 74.2  | 76.0  | 80.4  | 87.5  |
| 72.5°  | 60.4  | 62.2  | 67.1  | 72.0  |
| 75°    | 48.9  | 49.3  | 52.9  | 56.9  |
| 77.5°  | 38.2  | 37.8  | 40.4  | 43.5  |
| 80°    | 26.2  | 27.5  | 29.8  | 31.1  |
| 82.5°  | 17.8  | 18.2  | 19.1  | 20.0  |
| 85°    | 9.8   | 10.2  | 10.2  | 11.5  |
| 87.5°  | 4.0   | 4.4   | 4.4   | 4.9   |
| 90°    | 3.6   | 2.5   | 1.5   | 0.4   |
| 92.5°  | 9.7   | 10.0  | 10.4  | 10.8  |
| 95°    | 18.7  | 21.8  | 25.0  | 28.2  |
| 97.5°  | 27.1  | 35.0  | 42.9  | 50.8  |
| 100°   | 37.2  | 50.4  | 63.6  | 76.8  |
| 102.5° | 104.9 | 105.0 | 105.2 | 105.4 |
| 105°   | 140.6 | 137.7 | 134.8 | 131.9 |
| 107.5° | 170.0 | 167.5 | 165.1 | 162.7 |
| 110°   | 198.3 | 196.2 | 194.2 | 192.2 |

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CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 225.2 | 223.5 | 221.7 | 220.0 |
| 115°   | 254.4 | 252.8 | 251.1 | 249.5 |
| 117.5° | 280.9 | 279.0 | 277.0 | 275.1 |
| 120°   | 308.0 | 306.6 | 305.1 | 303.7 |
| 122.5° | 332.7 | 331.1 | 329.6 | 328.0 |
| 125°   | 356.5 | 355.3 | 354.0 | 352.8 |
| 127.5° | 379.4 | 378.0 | 376.7 | 375.3 |
| 130°   | 401.2 | 399.7 | 398.1 | 396.6 |
| 132.5° | 422.0 | 420.8 | 419.5 | 418.3 |
| 135°   | 441.1 | 439.6 | 438.0 | 436.5 |
| 137.5° | 459.1 | 457.9 | 456.8 | 455.6 |
| 140°   | 476.5 | 475.8 | 475.0 | 474.2 |
| 142.5° | 491.9 | 491.2 | 490.6 | 489.9 |
| 145°   | 506.1 | 506.2 | 506.3 | 506.4 |
| 147.5° | 519.8 | 520.1 | 520.4 | 520.7 |
| 150°   | 532.5 | 533.2 | 533.9 | 534.6 |
| 152.5° | 544.0 | 544.7 | 545.5 | 546.3 |
| 155°   | 555.0 | 555.9 | 556.7 | 557.6 |
| 157.5° | 564.4 | 565.1 | 565.9 | 566.7 |
| 160°   | 572.8 | 573.3 | 573.9 | 574.5 |
| 162.5° | 579.7 | 580.2 | 580.8 | 581.4 |
| 165°   | 585.8 | 586.3 | 586.9 | 587.5 |
| 167.5° | 590.6 | 591.1 | 591.7 | 592.3 |
| 170°   | 594.5 | 595.0 | 595.6 | 596.2 |
| 172.5° | 597.1 | 597.6 | 598.2 | 598.8 |
| 175°   | 598.9 | 599.6 | 600.2 | 600.9 |
| 177.5° | 599.8 | 600.5 | 601.1 | 601.8 |
| 180°   | 599.6 | 599.6 | 599.6 | 599.6 |

(END OF REPORT)