

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: P996501

Luminaire Tested: S124DRP-B350DB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P996501  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124DRP-B350DB2750-4F0-XX-W2A-A\_3500K  
Description: Define 4 Direct Perimeter with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

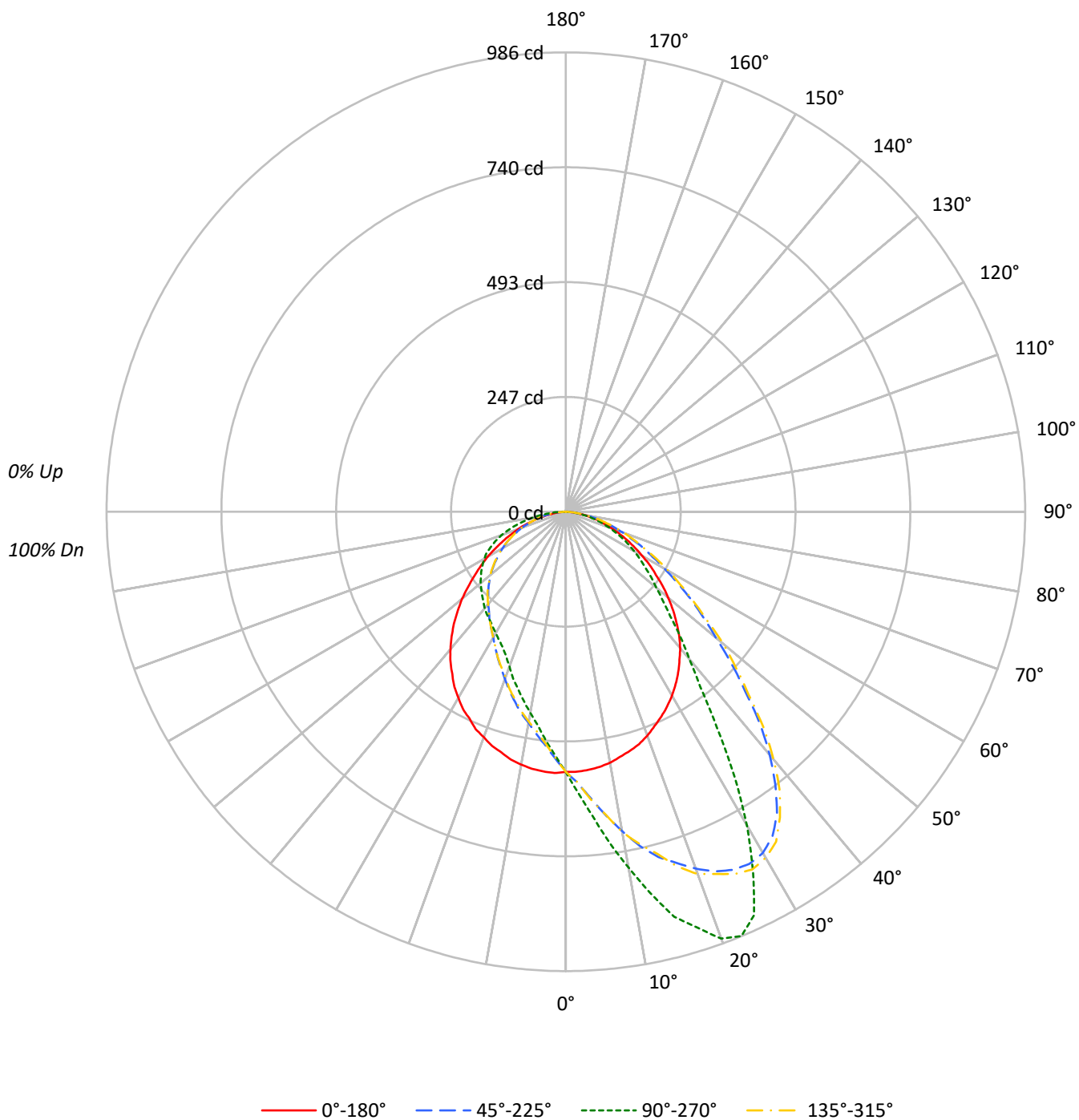
Lumens per Lamp: N/A  
Luminaire Lumens: 1541.0 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 13  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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

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CATALOG NUMBER: S124DRP-B350DB2750-4F0-XX-W2A-A\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P996501

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

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |  | 100 |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  |  | 95  | 92  | 90  |  | 91  | 89  | 87  |  | 85  |
| 2   | 100 | 92  | 86  | 80  | 98  | 90  | 84  | 79  | 87  | 82  | 78  |  | 84  | 79  | 76  |  | 81  | 77  | 74  |  | 72  |
| 3   | 92  | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  |  | 74  | 69  | 65  |  | 72  | 67  | 64  |  | 62  |
| 4   | 84  | 73  | 64  | 58  | 82  | 72  | 64  | 58  | 69  | 62  | 57  |  | 67  | 61  | 56  |  | 65  | 60  | 55  |  | 53  |
| 5   | 78  | 65  | 57  | 50  | 76  | 64  | 56  | 50  | 62  | 55  | 50  |  | 60  | 54  | 49  |  | 58  | 53  | 49  |  | 46  |
| 6   | 72  | 59  | 51  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 44  |  | 55  | 48  | 43  |  | 53  | 47  | 43  |  | 41  |
| 7   | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 52  | 44  | 39  |  | 50  | 44  | 39  |  | 49  | 43  | 38  |  | 36  |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  |  | 46  | 40  | 35  |  | 45  | 39  | 35  |  | 33  |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  |  | 43  | 36  | 32  |  | 42  | 36  | 31  |  | 30  |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  |  | 39  | 33  | 29  |  | 39  | 33  | 29  |  | 27  |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 4553 | 4553 | 4553 | 4553 |
| 5°  | 4552 | 5362 | 4579 | 4030 |
| 10° | 4528 | 6421 | 4562 | 3628 |
| 15° | 4484 | 7597 | 4516 | 3332 |
| 20° | 4437 | 8460 | 4469 | 3068 |
| 25° | 4363 | 8596 | 4404 | 2885 |
| 30° | 4291 | 7314 | 4344 | 2828 |
| 35° | 4187 | 5623 | 4233 | 2828 |
| 40° | 4063 | 4384 | 4103 | 2882 |
| 45° | 3868 | 3655 | 3916 | 2929 |
| 50° | 3633 | 3216 | 3687 | 3028 |
| 55° | 3355 | 2947 | 3408 | 3150 |
| 60° | 3086 | 2761 | 3177 | 3298 |
| 65° | 2838 | 2572 | 2865 | 3419 |
| 70° | 2549 | 2348 | 2604 | 3498 |
| 75° | 2275 | 2098 | 2259 | 3456 |
| 80° | 1869 | 1761 | 1846 | 3348 |
| 85° | 1385 | 1301 | 1301 | 3200 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 7032 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.3   | 3.5       |
| 10°-20°   | 167.8  | 10.9      |
| 20°-30°   | 266.5  | 17.3      |
| 30°-40°   | 296.1  | 19.2      |
| 40°-50°   | 269.3  | 17.5      |
| 50°-60°   | 220.1  | 14.3      |
| 60°-70°   | 157.1  | 10.2      |
| 70°-80°   | 86.4   | 5.6       |
| 80°-90°   | 23.4   | 1.5       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| <hr/>     |        |           |
| 0°-30°    | 488.6  | 31.7      |
| 0°-40°    | 784.7  | 50.9      |
| 0°-60°    | 1274.1 | 82.7      |
| 0°-90°    | 1541.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1541.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0°  | 558 | 558 | 558  | 558  | 558  |      |
| 5°  | 556 | 655 | 559  | 492  | 556  | 53   |
| 15° | 531 | 900 | 535  | 395  | 531  | 150  |
| 25° | 485 | 955 | 490  | 321  | 485  | 223  |
| 35° | 421 | 565 | 425  | 284  | 421  | 263  |
| 45° | 335 | 317 | 340  | 254  | 335  | 259  |
| 55° | 236 | 207 | 240  | 222  | 236  | 212  |
| 65° | 147 | 133 | 148  | 177  | 147  | 145  |
| 75° | 72  | 67  | 72   | 110  | 72   | 76   |
| 85° | 15  | 14  | 14   | 34   | 15   | 18   |
| 90° | 0   | 0   | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 |
| 2.5°  | 558.4 | 564.0 | 566.3 | 568.2 | 574.2 | 576.0 | 576.5 | 579.3 | 581.6 | 582.0 | 582.0 |
| 5°    | 556.1 | 564.9 | 571.9 | 578.3 | 588.1 | 592.2 | 597.3 | 602.9 | 610.3 | 614.9 | 617.2 |
| 7.5°  | 552.4 | 565.4 | 576.0 | 587.1 | 600.6 | 608.9 | 613.5 | 628.3 | 638.5 | 646.8 | 657.0 |
| 10°   | 546.9 | 563.5 | 578.8 | 595.0 | 614.0 | 624.1 | 634.3 | 652.4 | 666.7 | 682.9 | 695.9 |
| 12.5° | 538.6 | 560.3 | 578.8 | 601.5 | 625.1 | 637.1 | 649.1 | 680.6 | 697.3 | 711.6 | 734.7 |
| 15°   | 531.2 | 552.9 | 579.3 | 602.4 | 631.6 | 649.6 | 667.2 | 687.5 | 713.9 | 744.9 | 767.1 |
| 17.5° | 522.8 | 550.1 | 574.6 | 607.0 | 639.4 | 656.5 | 670.9 | 702.3 | 739.4 | 769.9 | 790.2 |
| 20°   | 511.3 | 539.0 | 571.4 | 605.6 | 644.0 | 657.5 | 676.4 | 718.5 | 751.8 | 781.9 | 815.2 |
| 22.5° | 497.8 | 530.2 | 564.5 | 597.3 | 637.1 | 665.3 | 686.1 | 723.2 | 763.4 | 798.1 | 835.6 |
| 25°   | 484.9 | 520.0 | 550.1 | 595.0 | 637.1 | 656.1 | 679.7 | 723.6 | 767.6 | 809.7 | 848.1 |
| 27.5° | 471.0 | 503.9 | 544.6 | 580.2 | 627.9 | 648.7 | 674.1 | 722.2 | 769.0 | 811.1 | 852.2 |
| 30°   | 455.7 | 490.9 | 524.7 | 566.8 | 613.0 | 639.9 | 663.5 | 715.8 | 763.4 | 807.4 | 845.8 |
| 32.5° | 438.6 | 471.9 | 508.0 | 547.8 | 596.4 | 623.7 | 653.3 | 707.0 | 757.9 | 795.8 | 825.4 |
| 35°   | 420.6 | 454.3 | 485.8 | 526.5 | 576.5 | 603.8 | 632.5 | 691.7 | 742.1 | 773.1 | 790.2 |
| 37.5° | 400.7 | 432.6 | 463.6 | 503.9 | 553.8 | 583.0 | 612.1 | 669.5 | 717.1 | 743.1 | 738.4 |
| 40°   | 381.7 | 410.4 | 439.1 | 477.0 | 529.3 | 560.3 | 585.7 | 643.6 | 685.2 | 696.3 | 681.1 |
| 42.5° | 360.0 | 384.5 | 412.2 | 451.1 | 502.0 | 531.2 | 563.1 | 615.8 | 646.8 | 642.2 | 616.3 |
| 45°   | 335.4 | 357.2 | 384.9 | 421.5 | 473.3 | 503.4 | 530.2 | 580.2 | 602.9 | 591.3 | 544.1 |
| 47.5° | 311.8 | 333.1 | 355.8 | 392.3 | 442.8 | 468.2 | 495.5 | 540.4 | 553.4 | 528.8 | 481.6 |
| 50°   | 286.4 | 304.0 | 327.6 | 362.3 | 409.5 | 436.3 | 459.0 | 495.1 | 499.7 | 469.6 | 420.6 |
| 52.5° | 261.9 | 276.7 | 299.4 | 333.6 | 377.5 | 398.8 | 421.0 | 453.0 | 449.3 | 418.3 | 371.1 |
| 55°   | 236.0 | 249.8 | 270.7 | 302.1 | 341.0 | 361.3 | 380.3 | 408.5 | 400.7 | 368.8 | 327.6 |
| 57.5° | 214.2 | 223.9 | 244.3 | 273.4 | 305.4 | 327.6 | 343.8 | 366.0 | 353.9 | 322.0 | 283.6 |
| 60°   | 189.2 | 201.3 | 218.4 | 242.0 | 273.4 | 288.2 | 302.6 | 317.4 | 309.1 | 278.5 | 244.3 |
| 62.5° | 166.6 | 175.8 | 190.6 | 213.3 | 237.8 | 251.2 | 266.5 | 275.8 | 267.4 | 239.2 | 210.5 |
| 65°   | 147.1 | 154.5 | 166.1 | 184.6 | 208.2 | 219.3 | 228.1 | 236.9 | 229.9 | 203.6 | 182.8 |
| 67.5° | 125.8 | 132.3 | 142.0 | 156.8 | 176.7 | 184.6 | 192.9 | 199.0 | 191.1 | 173.5 | 153.1 |
| 70°   | 106.9 | 111.5 | 120.8 | 131.9 | 145.7 | 153.1 | 160.1 | 166.1 | 159.2 | 144.4 | 129.1 |
| 72.5° | 87.4  | 91.1  | 99.5  | 107.3 | 119.8 | 124.9 | 130.0 | 134.6 | 132.3 | 118.4 | 106.0 |
| 75°   | 72.2  | 73.6  | 79.1  | 85.6  | 93.5  | 99.0  | 102.7 | 105.5 | 103.6 | 92.5  | 84.7  |
| 77.5° | 54.6  | 56.4  | 60.6  | 65.7  | 72.6  | 75.9  | 78.2  | 81.0  | 78.7  | 69.9  | 64.3  |
| 80°   | 39.8  | 40.3  | 42.6  | 47.2  | 51.8  | 52.3  | 54.6  | 58.3  | 56.9  | 50.9  | 46.7  |
| 82.5° | 25.4  | 26.8  | 27.8  | 30.5  | 33.8  | 34.7  | 36.1  | 37.0  | 36.6  | 32.8  | 31.5  |
| 85°   | 14.8  | 14.8  | 15.7  | 17.6  | 18.5  | 19.9  | 20.4  | 20.8  | 21.7  | 19.4  | 18.0  |
| 87.5° | 6.5   | 6.9   | 6.9   | 7.4   | 8.3   | 8.3   | 8.8   | 9.3   | 9.7   | 9.3   | 7.9   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

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**CANDELA DISTRIBUTION (continued):**

|       | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 |
| 2.5°  | 583.4 | 591.8 | 595.5 | 596.4 | 601.5 | 598.2 | 599.6 | 599.2 | 602.9 | 603.3 | 603.3 |
| 5°    | 626.0 | 635.7 | 639.0 | 643.6 | 650.5 | 652.4 | 651.0 | 653.8 | 658.8 | 655.1 | 660.7 |
| 7.5°  | 670.9 | 681.5 | 688.9 | 699.1 | 701.4 | 707.4 | 711.1 | 714.4 | 715.3 | 715.8 | 716.7 |
| 10°   | 712.5 | 725.9 | 736.1 | 753.2 | 756.9 | 760.2 | 776.4 | 769.9 | 778.2 | 775.4 | 776.4 |
| 12.5° | 746.3 | 772.7 | 781.0 | 809.7 | 812.5 | 823.6 | 822.6 | 832.8 | 834.7 | 838.4 | 834.7 |
| 15°   | 790.7 | 821.2 | 834.7 | 850.9 | 860.1 | 873.1 | 875.4 | 889.3 | 894.8 | 899.9 | 894.8 |
| 17.5° | 831.4 | 847.6 | 881.9 | 894.8 | 900.8 | 907.8 | 925.4 | 930.4 | 938.8 | 935.5 | 944.8 |
| 20°   | 851.8 | 874.9 | 911.0 | 933.2 | 942.5 | 948.9 | 963.8 | 971.6 | 974.9 | 974.9 | 975.8 |
| 22.5° | 869.8 | 903.1 | 930.0 | 955.4 | 963.8 | 968.4 | 977.2 | 983.2 | 984.6 | 985.5 | 986.4 |
| 25°   | 886.0 | 916.1 | 937.8 | 952.2 | 955.4 | 955.4 | 960.5 | 956.8 | 950.8 | 955.4 | 958.2 |
| 27.5° | 886.0 | 907.3 | 917.0 | 922.1 | 922.1 | 909.6 | 902.2 | 886.9 | 874.0 | 870.3 | 878.6 |
| 30°   | 871.2 | 880.9 | 867.5 | 855.0 | 845.3 | 837.0 | 807.8 | 784.7 | 780.1 | 776.8 | 789.3 |
| 32.5° | 837.0 | 824.5 | 798.1 | 762.0 | 747.7 | 728.7 | 706.0 | 688.5 | 677.8 | 674.1 | 671.3 |
| 35°   | 776.4 | 744.0 | 709.7 | 661.2 | 651.0 | 626.9 | 595.9 | 583.0 | 565.4 | 564.9 | 570.9 |
| 37.5° | 710.2 | 660.2 | 623.2 | 577.0 | 562.6 | 537.2 | 508.0 | 494.6 | 482.6 | 473.3 | 484.4 |
| 40°   | 632.9 | 589.4 | 533.0 | 495.1 | 474.7 | 461.3 | 436.8 | 422.0 | 416.4 | 411.8 | 418.7 |
| 42.5° | 560.8 | 513.1 | 469.2 | 430.3 | 413.6 | 398.4 | 382.2 | 367.8 | 363.7 | 363.2 | 368.3 |
| 45°   | 489.0 | 442.3 | 401.6 | 368.3 | 357.6 | 348.4 | 332.7 | 328.5 | 321.6 | 316.9 | 319.2 |
| 47.5° | 431.7 | 383.6 | 349.8 | 324.3 | 315.1 | 307.2 | 297.0 | 290.1 | 284.1 | 282.2 | 285.0 |
| 50°   | 375.2 | 342.8 | 308.1 | 286.9 | 279.9 | 272.5 | 264.7 | 258.2 | 255.4 | 253.5 | 255.4 |
| 52.5° | 329.9 | 295.2 | 271.6 | 254.5 | 247.5 | 242.0 | 236.4 | 233.7 | 229.9 | 230.9 | 232.7 |
| 55°   | 289.2 | 258.6 | 238.7 | 226.2 | 222.1 | 219.8 | 212.8 | 209.6 | 208.2 | 207.3 | 208.2 |
| 57.5° | 250.8 | 228.6 | 213.8 | 203.1 | 197.6 | 196.2 | 190.6 | 190.6 | 189.2 | 187.8 | 188.3 |
| 60°   | 220.2 | 201.3 | 186.9 | 178.6 | 177.7 | 175.4 | 171.7 | 171.2 | 168.0 | 169.3 | 169.8 |
| 62.5° | 189.2 | 174.0 | 164.2 | 159.2 | 155.9 | 155.0 | 152.7 | 152.2 | 150.8 | 151.3 | 150.4 |
| 65°   | 164.7 | 152.2 | 142.5 | 138.3 | 137.0 | 136.5 | 134.6 | 133.3 | 132.3 | 133.3 | 132.3 |
| 67.5° | 140.2 | 131.9 | 124.5 | 120.3 | 118.4 | 118.0 | 116.6 | 115.7 | 116.1 | 114.7 | 115.7 |
| 70°   | 117.1 | 108.7 | 104.1 | 101.8 | 100.9 | 99.5  | 99.5  | 99.5  | 99.5  | 98.5  | 98.1  |
| 72.5° | 98.5  | 90.2  | 87.0  | 85.6  | 84.7  | 84.2  | 82.8  | 83.3  | 82.8  | 82.4  | 84.2  |
| 75°   | 78.2  | 73.1  | 69.9  | 68.5  | 69.4  | 68.0  | 66.6  | 67.6  | 66.2  | 66.6  | 68.5  |
| 77.5° | 59.2  | 56.9  | 55.1  | 54.1  | 53.2  | 52.3  | 52.3  | 51.4  | 51.4  | 51.4  | 51.4  |
| 80°   | 43.0  | 42.6  | 39.3  | 38.9  | 38.9  | 37.9  | 37.9  | 37.9  | 37.9  | 37.5  | 37.9  |
| 82.5° | 28.7  | 28.2  | 27.3  | 26.8  | 25.9  | 26.4  | 26.4  | 25.4  | 25.4  | 25.0  | 25.4  |
| 85°   | 16.7  | 16.7  | 15.7  | 15.3  | 14.8  | 15.3  | 14.3  | 13.9  | 14.3  | 13.9  | 14.3  |
| 87.5° | 7.9   | 6.9   | 7.4   | 6.9   | 6.0   | 6.5   | 5.6   | 6.0   | 5.6   | 5.1   | 6.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

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**CANDELA DISTRIBUTION (continued):**

|       | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 558.4 | 558.4 | 558.4 | 558.4  | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 |
| 2.5°  | 602.4 | 601.0 | 599.2 | 599.2  | 596.9 | 596.9 | 593.1 | 586.7 | 581.1 | 579.3 | 580.2 |
| 5°    | 653.8 | 654.2 | 651.4 | 649.1  | 645.0 | 641.7 | 635.7 | 624.1 | 620.4 | 613.0 | 608.0 |
| 7.5°  | 712.5 | 710.7 | 705.6 | 701.9  | 701.0 | 693.6 | 680.6 | 666.7 | 655.6 | 648.2 | 637.6 |
| 10°   | 778.7 | 771.3 | 763.9 | 761.6  | 756.0 | 743.5 | 728.7 | 713.4 | 698.2 | 682.0 | 663.9 |
| 12.5° | 834.2 | 819.9 | 819.4 | 813.8  | 803.2 | 796.3 | 778.7 | 756.9 | 730.6 | 712.5 | 692.2 |
| 15°   | 893.9 | 880.5 | 869.4 | 859.2  | 854.1 | 833.7 | 818.9 | 791.6 | 760.2 | 740.7 | 726.9 |
| 17.5° | 936.5 | 930.4 | 911.5 | 906.8  | 899.9 | 876.3 | 852.7 | 825.9 | 798.6 | 771.3 | 733.8 |
| 20°   | 970.7 | 967.0 | 954.5 | 948.0  | 936.9 | 918.4 | 889.7 | 858.7 | 827.3 | 788.4 | 753.2 |
| 22.5° | 985.5 | 980.9 | 970.7 | 965.1  | 958.2 | 942.5 | 917.9 | 882.8 | 841.6 | 806.9 | 769.4 |
| 25°   | 956.3 | 964.7 | 961.9 | 959.6  | 956.8 | 947.6 | 929.1 | 898.1 | 857.8 | 818.5 | 771.7 |
| 27.5° | 890.6 | 905.0 | 918.9 | 920.7  | 925.4 | 929.1 | 921.6 | 899.4 | 865.7 | 824.0 | 772.7 |
| 30°   | 802.3 | 808.8 | 837.0 | 845.3  | 851.8 | 875.4 | 889.3 | 883.7 | 857.8 | 820.3 | 773.1 |
| 32.5° | 688.9 | 706.0 | 734.7 | 754.6  | 772.2 | 798.6 | 834.7 | 849.0 | 839.8 | 809.2 | 762.5 |
| 35°   | 581.6 | 601.9 | 635.3 | 660.7  | 678.3 | 715.8 | 758.3 | 789.3 | 800.9 | 785.6 | 744.0 |
| 37.5° | 493.7 | 518.2 | 547.8 | 557.5  | 577.9 | 624.1 | 682.9 | 725.9 | 754.2 | 755.5 | 723.2 |
| 40°   | 427.5 | 440.0 | 463.6 | 478.4  | 498.3 | 537.2 | 594.5 | 651.4 | 694.0 | 708.4 | 691.2 |
| 42.5° | 371.5 | 381.2 | 398.8 | 416.9  | 434.9 | 464.5 | 517.3 | 570.5 | 627.9 | 656.5 | 656.1 |
| 45°   | 327.1 | 337.3 | 349.3 | 364.1  | 376.6 | 408.5 | 450.2 | 504.8 | 554.3 | 598.7 | 609.8 |
| 47.5° | 288.2 | 297.0 | 311.8 | 318.3  | 326.6 | 356.7 | 392.8 | 443.7 | 495.1 | 546.0 | 558.9 |
| 50°   | 259.6 | 267.0 | 277.1 | 281.3  | 290.6 | 312.8 | 342.4 | 383.6 | 440.5 | 487.2 | 511.3 |
| 52.5° | 233.7 | 239.2 | 247.1 | 250.3  | 256.8 | 273.4 | 300.3 | 332.7 | 379.9 | 428.0 | 461.7 |
| 55°   | 211.4 | 215.1 | 220.7 | 224.4  | 229.0 | 243.8 | 263.7 | 292.9 | 333.6 | 375.2 | 408.1 |
| 57.5° | 190.6 | 193.4 | 199.0 | 200.8  | 204.5 | 216.1 | 229.9 | 254.5 | 291.9 | 329.0 | 360.9 |
| 60°   | 171.2 | 173.0 | 176.3 | 180.4  | 183.2 | 191.1 | 204.0 | 224.4 | 254.5 | 288.2 | 314.2 |
| 62.5° | 152.7 | 155.5 | 156.4 | 158.2  | 160.5 | 168.0 | 178.1 | 192.9 | 219.3 | 247.1 | 274.4 |
| 65°   | 133.7 | 136.0 | 137.9 | 138.3  | 140.7 | 146.2 | 155.5 | 168.4 | 185.5 | 209.6 | 235.0 |
| 67.5° | 116.1 | 117.5 | 118.4 | 120.3  | 122.6 | 125.4 | 132.8 | 142.5 | 158.2 | 177.7 | 198.0 |
| 70°   | 99.9  | 99.9  | 101.3 | 101.8  | 104.6 | 107.8 | 111.0 | 120.3 | 134.2 | 149.9 | 163.8 |
| 72.5° | 82.4  | 84.7  | 84.2  | 86.5   | 86.1  | 88.4  | 92.5  | 98.5  | 108.7 | 121.2 | 134.6 |
| 75°   | 67.1  | 68.5  | 68.5  | 68.5   | 69.4  | 71.3  | 73.6  | 79.1  | 87.0  | 97.2  | 105.0 |
| 77.5° | 52.3  | 53.2  | 53.2  | 53.2   | 53.7  | 55.5  | 57.8  | 61.5  | 67.1  | 73.1  | 77.7  |
| 80°   | 37.5  | 38.4  | 38.4  | 39.3   | 39.3  | 39.8  | 42.1  | 44.0  | 46.7  | 51.4  | 56.0  |
| 82.5° | 25.4  | 25.9  | 26.8  | 26.8   | 26.4  | 27.3  | 27.8  | 29.6  | 32.4  | 33.3  | 36.6  |
| 85°   | 13.9  | 14.3  | 14.8  | 14.8   | 15.3  | 16.2  | 15.7  | 17.6  | 17.6  | 19.4  | 20.4  |
| 87.5° | 5.6   | 6.5   | 6.5   | 6.0    | 6.5   | 6.5   | 6.5   | 7.4   | 7.9   | 8.3   | 7.9   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P996501

CATALOG NUMBER: S124DRP-B350DB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 558.4 | 558.4 | 558.4  | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 |
| 2.5°  | 576.0 | 574.2 | 572.8  | 572.8 | 568.6 | 564.5 | 562.2 | 561.2 | 560.3 | 556.6 | 551.5 |
| 5°    | 599.6 | 593.6 | 589.4  | 585.3 | 578.3 | 570.9 | 563.5 | 559.4 | 553.4 | 545.0 | 539.0 |
| 7.5°  | 626.0 | 611.7 | 607.0  | 601.9 | 588.1 | 575.6 | 565.4 | 556.6 | 546.9 | 536.2 | 525.6 |
| 10°   | 648.2 | 632.9 | 622.8  | 614.0 | 595.9 | 579.3 | 564.0 | 551.0 | 538.6 | 524.7 | 511.7 |
| 12.5° | 669.5 | 647.7 | 637.1  | 624.1 | 605.2 | 581.1 | 561.2 | 545.0 | 526.5 | 512.2 | 496.5 |
| 15°   | 699.1 | 662.6 | 645.0  | 636.6 | 611.2 | 583.0 | 558.9 | 534.9 | 519.6 | 497.8 | 484.0 |
| 17.5° | 703.7 | 674.1 | 662.6  | 641.3 | 610.7 | 578.8 | 551.0 | 527.0 | 503.9 | 484.4 | 466.4 |
| 20°   | 719.9 | 681.1 | 662.6  | 649.1 | 608.9 | 576.5 | 546.0 | 515.0 | 492.7 | 471.9 | 451.6 |
| 22.5° | 730.1 | 686.1 | 666.7  | 645.4 | 607.0 | 568.2 | 532.1 | 505.2 | 477.9 | 456.7 | 440.5 |
| 25°   | 727.3 | 683.4 | 661.6  | 641.7 | 595.0 | 556.1 | 523.7 | 489.5 | 464.1 | 440.9 | 419.6 |
| 27.5° | 725.9 | 676.4 | 653.3  | 631.1 | 587.1 | 546.4 | 505.7 | 477.9 | 449.7 | 422.9 | 407.2 |
| 30°   | 722.2 | 667.6 | 640.8  | 616.7 | 570.9 | 528.4 | 493.7 | 461.3 | 433.1 | 408.5 | 387.7 |
| 32.5° | 709.7 | 652.8 | 626.9  | 601.0 | 553.4 | 510.8 | 475.6 | 445.6 | 417.3 | 391.9 | 372.0 |
| 35°   | 693.1 | 635.3 | 607.0  | 579.7 | 532.1 | 489.0 | 456.7 | 425.2 | 398.8 | 374.3 | 355.3 |
| 37.5° | 676.4 | 614.9 | 588.5  | 557.1 | 513.1 | 468.2 | 434.9 | 406.7 | 382.2 | 356.7 | 335.9 |
| 40°   | 652.4 | 590.8 | 561.7  | 534.9 | 483.5 | 441.4 | 410.9 | 385.4 | 361.3 | 337.3 | 319.7 |
| 42.5° | 619.5 | 564.5 | 534.4  | 504.8 | 456.7 | 415.0 | 385.4 | 362.7 | 340.1 | 320.2 | 300.7 |
| 45°   | 586.2 | 532.5 | 505.7  | 479.3 | 427.0 | 387.7 | 360.4 | 339.6 | 320.6 | 298.9 | 283.2 |
| 47.5° | 546.0 | 500.6 | 473.8  | 447.9 | 398.4 | 359.0 | 334.1 | 314.6 | 297.0 | 279.0 | 264.2 |
| 50°   | 504.8 | 465.5 | 440.9  | 414.1 | 366.9 | 331.3 | 306.8 | 290.6 | 276.2 | 259.1 | 247.1 |
| 52.5° | 460.4 | 426.1 | 405.3  | 379.4 | 337.8 | 304.9 | 279.9 | 263.7 | 251.7 | 239.2 | 228.6 |
| 55°   | 413.2 | 388.2 | 366.0  | 345.2 | 305.8 | 276.2 | 254.0 | 239.7 | 231.3 | 219.8 | 210.5 |
| 57.5° | 370.6 | 346.5 | 333.1  | 309.5 | 275.3 | 246.1 | 228.6 | 216.5 | 206.8 | 199.9 | 192.5 |
| 60°   | 326.2 | 306.8 | 291.9  | 274.8 | 244.8 | 220.2 | 201.7 | 194.8 | 184.6 | 179.5 | 176.3 |
| 62.5° | 283.6 | 269.7 | 255.9  | 242.9 | 216.1 | 192.9 | 179.1 | 170.3 | 164.2 | 159.2 | 156.4 |
| 65°   | 243.4 | 230.4 | 220.7  | 209.1 | 186.9 | 168.4 | 155.5 | 148.5 | 142.5 | 141.1 | 137.9 |
| 67.5° | 204.0 | 198.5 | 187.8  | 178.6 | 159.6 | 145.3 | 135.6 | 126.8 | 123.5 | 122.1 | 119.4 |
| 70°   | 170.7 | 164.2 | 155.9  | 148.1 | 133.7 | 121.2 | 112.4 | 109.2 | 104.6 | 104.1 | 100.9 |
| 72.5° | 140.7 | 132.8 | 126.8  | 120.8 | 110.1 | 99.0  | 94.4  | 89.8  | 87.4  | 85.6  | 84.2  |
| 75°   | 111.5 | 106.0 | 101.8  | 96.7  | 87.4  | 80.0  | 73.6  | 71.7  | 70.3  | 69.9  | 68.9  |
| 77.5° | 83.3  | 79.6  | 77.7   | 72.6  | 66.2  | 59.7  | 56.9  | 54.1  | 54.1  | 53.2  | 53.7  |
| 80°   | 59.2  | 56.9  | 54.6   | 51.8  | 46.3  | 43.5  | 41.2  | 39.3  | 38.4  | 37.9  | 38.4  |
| 82.5° | 37.5  | 36.1  | 35.6   | 33.8  | 30.1  | 28.7  | 26.8  | 25.4  | 25.4  | 25.4  | 25.4  |
| 85°   | 20.8  | 20.8  | 20.8   | 18.0  | 16.7  | 15.3  | 14.3  | 13.9  | 13.9  | 13.9  | 14.3  |
| 87.5° | 8.8   | 8.8   | 7.4    | 7.4   | 6.9   | 6.0   | 5.6   | 5.6   | 6.0   | 6.0   | 6.5   |
| 90°   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

TEST NUMBER: P996501

CATALOG NUMBER: S124DRP-B350DB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|       | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 558.4 | 558.4  | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 |
| 2.5°  | 550.1 | 548.3  | 549.2 | 544.6 | 540.4 | 534.4 | 529.3 | 528.4 | 527.4 | 530.2 | 528.4 |
| 5°    | 534.4 | 532.1  | 529.8 | 524.2 | 515.9 | 510.8 | 503.4 | 502.9 | 500.2 | 496.0 | 496.9 |
| 7.5°  | 517.3 | 515.9  | 512.6 | 503.9 | 496.5 | 487.7 | 481.6 | 476.6 | 474.2 | 470.5 | 469.2 |
| 10°   | 503.4 | 498.3  | 495.5 | 485.8 | 477.0 | 467.8 | 459.9 | 456.2 | 452.0 | 448.8 | 446.5 |
| 12.5° | 484.4 | 483.0  | 475.2 | 467.3 | 459.9 | 449.3 | 443.2 | 432.6 | 427.0 | 429.8 | 428.9 |
| 15°   | 471.9 | 465.5  | 463.6 | 452.5 | 440.0 | 433.1 | 422.0 | 415.0 | 412.7 | 408.5 | 403.5 |
| 17.5° | 455.3 | 451.1  | 444.6 | 434.5 | 420.1 | 410.4 | 402.5 | 396.1 | 393.3 | 387.7 | 383.6 |
| 20°   | 439.5 | 432.6  | 427.5 | 418.3 | 404.4 | 391.9 | 382.2 | 378.0 | 371.1 | 366.4 | 364.1 |
| 22.5° | 425.2 | 420.1  | 412.7 | 398.8 | 386.8 | 374.8 | 363.2 | 357.2 | 350.7 | 347.9 | 344.2 |
| 25°   | 407.6 | 399.3  | 394.2 | 378.9 | 366.0 | 356.3 | 345.6 | 337.8 | 334.1 | 329.4 | 328.5 |
| 27.5° | 390.5 | 382.6  | 376.6 | 363.2 | 347.5 | 335.0 | 328.5 | 322.9 | 316.5 | 316.5 | 314.2 |
| 30°   | 373.4 | 367.8  | 358.6 | 345.6 | 330.8 | 318.8 | 311.4 | 306.3 | 304.0 | 302.1 | 301.7 |
| 32.5° | 356.3 | 348.9  | 343.3 | 325.7 | 314.6 | 303.5 | 298.0 | 293.8 | 291.0 | 290.6 | 291.0 |
| 35°   | 338.7 | 330.4  | 324.8 | 309.1 | 298.0 | 287.8 | 285.5 | 281.8 | 280.4 | 279.9 | 282.2 |
| 37.5° | 320.2 | 313.7  | 306.8 | 293.8 | 281.3 | 275.3 | 270.7 | 269.3 | 268.8 | 271.6 | 272.5 |
| 40°   | 303.1 | 297.5  | 291.0 | 277.1 | 267.9 | 261.4 | 259.1 | 257.7 | 259.6 | 262.3 | 263.7 |
| 42.5° | 286.9 | 279.0  | 273.9 | 261.4 | 253.1 | 249.4 | 246.6 | 246.6 | 248.5 | 251.7 | 254.0 |
| 45°   | 269.7 | 263.7  | 258.6 | 247.5 | 240.1 | 236.0 | 235.5 | 236.0 | 238.3 | 240.6 | 243.4 |
| 47.5° | 253.1 | 247.1  | 241.5 | 232.3 | 225.8 | 223.5 | 223.0 | 223.5 | 227.2 | 230.4 | 233.7 |
| 50°   | 237.8 | 231.3  | 226.2 | 217.5 | 212.4 | 209.6 | 210.1 | 212.4 | 215.1 | 219.8 | 223.9 |
| 52.5° | 219.8 | 215.1  | 210.5 | 202.7 | 198.0 | 196.2 | 197.6 | 199.4 | 204.5 | 207.7 | 212.8 |
| 55°   | 202.2 | 198.0  | 194.3 | 188.3 | 184.6 | 183.2 | 184.1 | 186.9 | 191.1 | 196.6 | 202.7 |
| 57.5° | 186.0 | 181.4  | 177.7 | 173.5 | 169.3 | 169.8 | 170.3 | 174.0 | 179.1 | 184.1 | 191.1 |
| 60°   | 168.0 | 165.2  | 161.9 | 156.8 | 155.0 | 155.0 | 156.4 | 160.5 | 165.2 | 173.5 | 179.5 |
| 62.5° | 151.8 | 148.1  | 145.7 | 142.5 | 139.7 | 140.2 | 143.4 | 147.1 | 152.7 | 159.6 | 167.5 |
| 65°   | 135.1 | 130.9  | 129.1 | 126.3 | 125.4 | 125.8 | 128.2 | 133.7 | 139.7 | 145.7 | 153.1 |
| 67.5° | 116.6 | 115.2  | 113.4 | 110.6 | 111.5 | 112.0 | 114.3 | 118.9 | 125.4 | 131.4 | 139.7 |
| 70°   | 100.9 | 98.1   | 97.6  | 95.3  | 95.3  | 96.7  | 101.3 | 104.6 | 110.6 | 117.1 | 125.8 |
| 72.5° | 84.2  | 81.9   | 81.9  | 80.0  | 81.4  | 82.8  | 85.1  | 89.8  | 95.3  | 101.8 | 109.2 |
| 75°   | 67.1  | 66.2   | 67.1  | 66.2  | 66.2  | 68.5  | 71.3  | 75.0  | 81.0  | 87.9  | 93.9  |
| 77.5° | 51.8  | 51.8   | 51.4  | 52.7  | 52.7  | 54.1  | 57.8  | 61.5  | 66.2  | 71.7  | 78.2  |
| 80°   | 37.9  | 37.9   | 37.9  | 39.3  | 40.7  | 40.7  | 43.0  | 47.7  | 51.8  | 55.5  | 61.5  |
| 82.5° | 25.9  | 25.9   | 25.9  | 26.8  | 28.7  | 28.7  | 31.5  | 34.2  | 38.9  | 42.1  | 44.9  |
| 85°   | 15.7  | 15.7   | 15.3  | 16.2  | 16.7  | 18.0  | 20.4  | 22.2  | 24.5  | 27.3  | 30.1  |
| 87.5° | 6.9   | 6.9    | 7.4   | 7.9   | 8.3   | 9.3   | 10.2  | 11.1  | 13.4  | 14.3  | 15.7  |
| 90°   | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

TEST NUMBER: P996501

CATALOG NUMBER: S124DRP-B350DB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°    | 558.4  | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4  |
| 2.5°  | 527.0  | 526.5 | 524.2 | 525.1 | 522.4 | 523.3 | 524.7 | 525.1 | 527.0 | 525.6 | 525.1  |
| 5°    | 494.6  | 493.7 | 492.3 | 490.9 | 490.4 | 492.3 | 489.0 | 490.0 | 490.9 | 492.3 | 494.1  |
| 7.5°  | 468.2  | 467.8 | 466.4 | 464.1 | 463.1 | 462.2 | 462.7 | 465.9 | 465.5 | 465.0 | 468.2  |
| 10°   | 444.2  | 444.6 | 441.9 | 441.4 | 438.6 | 438.2 | 438.6 | 439.5 | 440.9 | 442.8 | 443.2  |
| 12.5° | 419.2  | 425.2 | 420.1 | 418.3 | 414.1 | 416.4 | 417.3 | 413.2 | 415.5 | 416.9 | 423.8  |
| 15°   | 403.5  | 400.7 | 397.4 | 397.4 | 395.6 | 394.7 | 392.3 | 395.6 | 397.4 | 400.2 | 399.3  |
| 17.5° | 381.7  | 377.1 | 375.2 | 373.4 | 373.8 | 375.7 | 370.6 | 378.0 | 378.0 | 379.4 | 377.1  |
| 20°   | 362.7  | 359.0 | 356.7 | 355.8 | 354.4 | 353.5 | 353.0 | 354.9 | 357.6 | 358.6 | 360.9  |
| 22.5° | 342.8  | 342.8 | 339.1 | 337.8 | 336.8 | 335.4 | 337.8 | 336.4 | 338.2 | 340.1 | 343.8  |
| 25°   | 326.2  | 326.2 | 324.8 | 322.9 | 321.6 | 320.6 | 322.0 | 321.6 | 322.9 | 325.3 | 326.2  |
| 27.5° | 312.8  | 311.4 | 310.9 | 310.5 | 310.0 | 310.5 | 310.0 | 311.4 | 312.8 | 313.2 | 312.3  |
| 30°   | 301.2  | 299.8 | 300.3 | 300.3 | 300.7 | 300.3 | 299.8 | 301.2 | 301.7 | 300.7 | 301.2  |
| 32.5° | 290.6  | 290.6 | 291.5 | 291.9 | 291.9 | 292.4 | 292.9 | 291.9 | 292.4 | 291.0 | 291.5  |
| 35°   | 281.8  | 282.7 | 283.6 | 284.1 | 284.5 | 284.1 | 285.0 | 284.5 | 283.6 | 282.7 | 282.2  |
| 37.5° | 273.0  | 273.9 | 275.8 | 276.2 | 277.6 | 278.1 | 277.1 | 277.1 | 276.7 | 274.8 | 273.9  |
| 40°   | 263.7  | 264.7 | 267.0 | 268.4 | 269.3 | 270.7 | 269.7 | 269.7 | 267.9 | 266.0 | 264.7  |
| 42.5° | 254.9  | 256.8 | 259.1 | 260.5 | 262.3 | 262.3 | 262.3 | 261.4 | 259.1 | 257.2 | 255.9  |
| 45°   | 246.1  | 246.6 | 249.8 | 252.2 | 254.0 | 254.0 | 254.0 | 252.6 | 251.2 | 247.5 | 245.7  |
| 47.5° | 236.4  | 237.8 | 241.5 | 243.8 | 245.7 | 246.1 | 246.1 | 244.8 | 242.0 | 238.7 | 236.4  |
| 50°   | 225.8  | 228.1 | 232.3 | 235.5 | 237.8 | 238.7 | 237.4 | 236.4 | 233.2 | 229.5 | 226.7  |
| 52.5° | 215.6  | 218.4 | 223.5 | 226.2 | 229.5 | 229.9 | 229.5 | 228.1 | 224.4 | 219.3 | 217.0  |
| 55°   | 205.4  | 207.7 | 213.3 | 217.9 | 220.7 | 221.6 | 220.7 | 218.4 | 213.8 | 208.7 | 206.4  |
| 57.5° | 194.3  | 197.6 | 203.6 | 208.2 | 211.4 | 211.9 | 211.0 | 208.7 | 205.0 | 198.5 | 195.2  |
| 60°   | 182.8  | 186.9 | 192.9 | 197.6 | 201.7 | 202.2 | 201.3 | 198.0 | 193.4 | 186.9 | 184.1  |
| 62.5° | 171.2  | 174.4 | 181.4 | 186.5 | 189.7 | 192.0 | 190.2 | 186.9 | 182.3 | 175.8 | 171.7  |
| 65°   | 157.8  | 162.4 | 168.4 | 173.0 | 176.7 | 177.2 | 176.3 | 173.5 | 168.4 | 161.5 | 158.2  |
| 67.5° | 144.8  | 148.1 | 154.1 | 160.1 | 161.5 | 162.9 | 161.5 | 158.7 | 154.5 | 148.5 | 143.9  |
| 70°   | 129.1  | 131.9 | 139.3 | 143.4 | 145.3 | 146.7 | 145.7 | 143.0 | 139.3 | 133.7 | 130.0  |
| 72.5° | 113.4  | 115.7 | 122.6 | 125.8 | 129.5 | 129.1 | 128.6 | 126.8 | 121.7 | 118.0 | 115.7  |
| 75°   | 96.7   | 99.5  | 104.1 | 108.3 | 109.7 | 109.7 | 109.7 | 108.3 | 105.0 | 99.0  | 96.7   |
| 77.5° | 81.4   | 82.8  | 86.5  | 88.8  | 90.2  | 90.7  | 90.2  | 87.9  | 86.1  | 81.9  | 80.5   |
| 80°   | 62.5   | 66.2  | 68.9  | 69.4  | 71.3  | 71.3  | 71.3  | 70.3  | 68.5  | 64.3  | 63.8   |
| 82.5° | 47.2   | 48.1  | 50.9  | 52.3  | 53.2  | 52.7  | 52.7  | 50.9  | 50.4  | 48.1  | 47.2   |
| 85°   | 31.9   | 33.3  | 32.8  | 34.7  | 35.2  | 34.2  | 34.2  | 35.2  | 32.8  | 33.3  | 31.9   |
| 87.5° | 17.6   | 17.6  | 18.5  | 18.0  | 19.9  | 19.9  | 19.0  | 19.4  | 18.5  | 18.0  | 17.6   |
| 90°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    |

TEST NUMBER: P996501

CATALOG NUMBER: S124DRP-B350DB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|       | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°    | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4 | 558.4  | 558.4 |
| 2.5°  | 525.1 | 527.9 | 525.1 | 527.0 | 527.9 | 530.2 | 531.2 | 535.3 | 536.7 | 539.9  | 539.9 |
| 5°    | 493.7 | 495.1 | 495.5 | 497.4 | 499.2 | 503.9 | 507.1 | 513.1 | 520.0 | 521.0  | 525.1 |
| 7.5°  | 468.2 | 470.5 | 474.2 | 472.9 | 476.1 | 483.0 | 487.2 | 494.6 | 501.5 | 505.2  | 510.3 |
| 10°   | 445.6 | 448.3 | 449.7 | 451.1 | 457.1 | 463.1 | 469.6 | 474.7 | 484.0 | 489.5  | 493.7 |
| 12.5° | 427.0 | 424.7 | 427.5 | 432.6 | 439.5 | 443.2 | 452.0 | 459.9 | 466.8 | 472.9  | 476.6 |
| 15°   | 403.0 | 404.8 | 407.6 | 416.4 | 418.3 | 427.5 | 430.8 | 439.5 | 452.5 | 458.0  | 462.7 |
| 17.5° | 379.9 | 385.9 | 391.4 | 394.7 | 400.2 | 407.6 | 416.9 | 426.6 | 434.9 | 441.4  | 446.9 |
| 20°   | 361.3 | 367.4 | 370.6 | 372.9 | 378.5 | 388.6 | 397.4 | 409.5 | 420.1 | 425.2  | 432.6 |
| 22.5° | 346.5 | 346.5 | 351.2 | 358.1 | 361.3 | 371.1 | 378.5 | 391.4 | 403.0 | 409.5  | 416.4 |
| 25°   | 328.0 | 330.8 | 334.5 | 340.5 | 345.2 | 353.0 | 363.7 | 374.8 | 387.3 | 392.8  | 401.6 |
| 27.5° | 312.8 | 316.0 | 321.1 | 322.5 | 327.1 | 334.1 | 345.2 | 357.2 | 370.1 | 376.2  | 383.6 |
| 30°   | 301.2 | 303.1 | 304.9 | 307.7 | 311.8 | 317.9 | 327.1 | 337.8 | 353.5 | 358.1  | 367.4 |
| 32.5° | 291.0 | 291.9 | 292.9 | 295.2 | 297.5 | 303.5 | 310.9 | 322.5 | 335.4 | 342.4  | 350.7 |
| 35°   | 281.8 | 280.8 | 281.3 | 282.7 | 285.0 | 287.3 | 295.2 | 304.9 | 316.9 | 325.3  | 331.7 |
| 37.5° | 273.0 | 271.1 | 270.7 | 270.7 | 271.6 | 274.4 | 280.4 | 288.7 | 301.7 | 308.6  | 315.1 |
| 40°   | 263.3 | 261.4 | 260.5 | 260.0 | 259.6 | 261.4 | 266.0 | 274.4 | 284.5 | 291.0  | 298.4 |
| 42.5° | 254.0 | 252.2 | 249.8 | 249.4 | 248.5 | 249.4 | 252.6 | 260.5 | 269.3 | 275.8  | 281.8 |
| 45°   | 244.8 | 241.5 | 238.7 | 236.9 | 237.4 | 236.0 | 238.3 | 244.3 | 254.5 | 258.6  | 264.7 |
| 47.5° | 234.6 | 230.9 | 227.2 | 225.3 | 223.5 | 224.4 | 225.3 | 230.4 | 239.2 | 243.4  | 249.4 |
| 50°   | 224.9 | 219.8 | 215.6 | 213.3 | 211.9 | 211.0 | 211.9 | 217.0 | 223.5 | 227.2  | 232.3 |
| 52.5° | 213.8 | 208.7 | 204.5 | 200.8 | 199.0 | 197.6 | 198.0 | 202.7 | 208.7 | 212.4  | 217.5 |
| 55°   | 203.6 | 197.1 | 191.5 | 186.9 | 185.5 | 185.1 | 184.6 | 187.8 | 192.9 | 196.6  | 200.8 |
| 57.5° | 192.0 | 185.5 | 179.5 | 174.0 | 171.2 | 170.7 | 170.7 | 171.7 | 178.1 | 180.9  | 183.2 |
| 60°   | 180.4 | 173.5 | 167.0 | 161.9 | 157.8 | 156.4 | 155.9 | 157.8 | 161.0 | 163.8  | 167.0 |
| 62.5° | 167.5 | 160.5 | 152.7 | 148.1 | 143.9 | 140.2 | 141.6 | 142.0 | 146.7 | 148.1  | 150.8 |
| 65°   | 155.0 | 147.1 | 140.7 | 133.3 | 128.6 | 126.3 | 125.4 | 126.3 | 130.0 | 130.5  | 132.3 |
| 67.5° | 140.7 | 133.3 | 125.4 | 120.3 | 116.1 | 112.0 | 111.0 | 111.0 | 112.9 | 114.3  | 116.6 |
| 70°   | 126.8 | 119.4 | 110.6 | 105.0 | 100.9 | 97.2  | 95.8  | 95.3  | 96.7  | 97.6   | 99.9  |
| 72.5° | 110.6 | 103.2 | 96.7  | 90.7  | 85.6  | 82.8  | 81.4  | 80.5  | 81.9  | 82.8   | 83.3  |
| 75°   | 93.5  | 87.4  | 81.0  | 75.0  | 71.7  | 68.9  | 67.1  | 65.7  | 66.6  | 66.6   | 66.6  |
| 77.5° | 77.3  | 71.3  | 66.2  | 62.0  | 57.8  | 54.6  | 53.2  | 51.8  | 52.3  | 52.3   | 53.2  |
| 80°   | 60.1  | 56.0  | 51.8  | 48.1  | 44.4  | 41.6  | 40.7  | 39.3  | 38.4  | 37.9   | 37.9  |
| 82.5° | 44.4  | 41.2  | 37.5  | 34.2  | 32.4  | 29.6  | 28.7  | 26.8  | 26.8  | 26.4   | 26.4  |
| 85°   | 29.6  | 27.8  | 24.1  | 21.7  | 20.4  | 19.0  | 18.0  | 17.1  | 15.7  | 15.7   | 15.3  |
| 87.5° | 15.7  | 14.8  | 13.9  | 11.1  | 11.1  | 9.7   | 9.3   | 8.8   | 7.4   | 7.9    | 7.9   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   |

TEST NUMBER: P996501

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**CANDELA DISTRIBUTION (continued):**

|       | 345°  | 350°  | 355°  | 360°  |
|-------|-------|-------|-------|-------|
| 0°    | 558.4 | 558.4 | 558.4 | 558.4 |
| 2.5°  | 543.2 | 547.8 | 552.0 | 558.4 |
| 5°    | 531.2 | 537.6 | 546.4 | 556.1 |
| 7.5°  | 517.3 | 527.4 | 539.0 | 552.4 |
| 10°   | 504.3 | 515.9 | 530.7 | 546.9 |
| 12.5° | 490.9 | 504.8 | 521.0 | 538.6 |
| 15°   | 475.6 | 489.5 | 507.6 | 531.2 |
| 17.5° | 461.7 | 478.4 | 497.8 | 522.8 |
| 20°   | 445.6 | 461.3 | 482.6 | 511.3 |
| 22.5° | 431.2 | 449.3 | 472.9 | 497.8 |
| 25°   | 415.5 | 431.2 | 454.8 | 484.9 |
| 27.5° | 399.8 | 419.2 | 441.9 | 471.0 |
| 30°   | 384.5 | 400.7 | 425.2 | 455.7 |
| 32.5° | 367.8 | 387.3 | 409.9 | 438.6 |
| 35°   | 349.8 | 368.3 | 389.6 | 420.6 |
| 37.5° | 333.6 | 351.6 | 373.4 | 400.7 |
| 40°   | 315.5 | 334.5 | 354.4 | 381.7 |
| 42.5° | 298.0 | 315.1 | 335.0 | 360.0 |
| 45°   | 280.8 | 295.6 | 313.7 | 335.4 |
| 47.5° | 263.3 | 275.8 | 292.4 | 311.8 |
| 50°   | 244.3 | 257.7 | 270.2 | 286.4 |
| 52.5° | 226.7 | 238.3 | 248.5 | 261.9 |
| 55°   | 209.6 | 217.5 | 225.8 | 236.0 |
| 57.5° | 191.5 | 197.6 | 203.6 | 214.2 |
| 60°   | 173.5 | 179.1 | 182.3 | 189.2 |
| 62.5° | 155.9 | 158.2 | 162.4 | 166.6 |
| 65°   | 136.5 | 139.7 | 142.0 | 147.1 |
| 67.5° | 118.9 | 120.3 | 122.6 | 125.8 |
| 70°   | 100.4 | 103.6 | 104.6 | 106.9 |
| 72.5° | 84.7  | 86.1  | 87.0  | 87.4  |
| 75°   | 67.1  | 68.5  | 69.4  | 72.2  |
| 77.5° | 52.7  | 52.3  | 54.1  | 54.6  |
| 80°   | 38.9  | 37.5  | 37.9  | 39.8  |
| 82.5° | 25.4  | 25.9  | 25.4  | 25.4  |
| 85°   | 15.7  | 15.3  | 14.3  | 14.8  |
| 87.5° | 6.9   | 6.9   | 6.5   | 6.5   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)