

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P333381-927

Luminaire Tested: **S125DIW-S610D770U927-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333381-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S610D770U927-4F0-1E-UDD-F1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

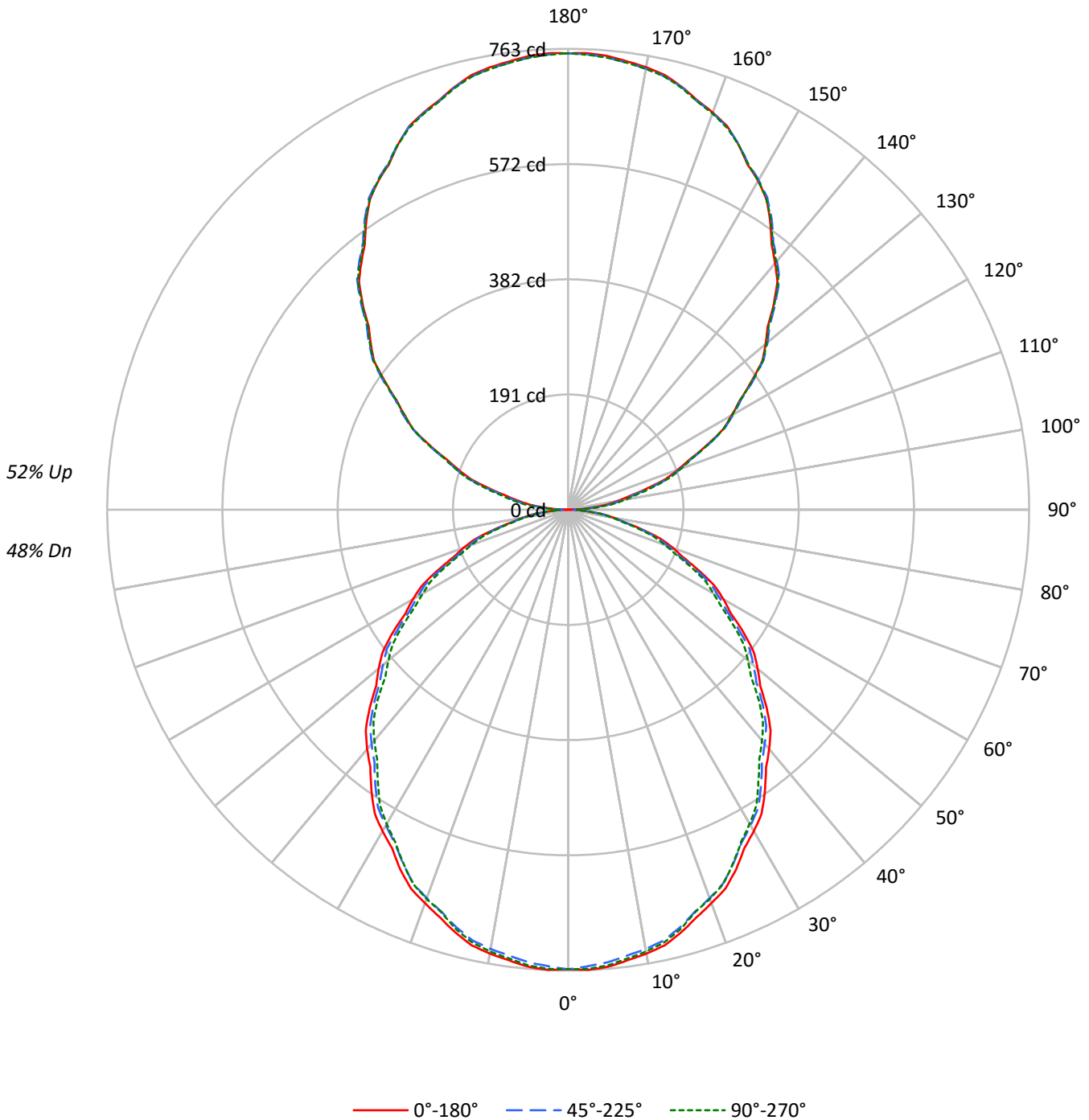
Lumens per Lamp: N/A  
Luminaire Lumens: 4090.0 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 37.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333381-927

CATALOG NUMBER: S125DIW-S610D770U927-4F0-1E-UDD-F1

### Luminous Intensity Polar Plot





TEST NUMBER: P333381-927

CATALOG NUMBER: S125DIW-S610D770U927-4F0-1E-UDD-F1

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 68 | 68 | 68 | 55 | 55 | 55 | 48 |
| 1   | 97  | 93  | 89  | 86  | 89 | 86 | 82 | 79 | 72 | 70 | 68 | 60 | 58 | 56 | 48 | 47 | 46 | 41 |
| 2   | 89  | 81  | 75  | 70  | 81 | 75 | 70 | 65 | 63 | 59 | 56 | 52 | 50 | 47 | 42 | 40 | 39 | 34 |
| 3   | 81  | 71  | 64  | 58  | 74 | 66 | 60 | 54 | 56 | 51 | 47 | 46 | 43 | 40 | 38 | 35 | 33 | 29 |
| 4   | 74  | 63  | 55  | 49  | 68 | 58 | 51 | 46 | 49 | 44 | 40 | 41 | 37 | 34 | 34 | 31 | 28 | 25 |
| 5   | 68  | 56  | 48  | 42  | 62 | 52 | 45 | 39 | 44 | 39 | 34 | 37 | 33 | 30 | 30 | 27 | 25 | 21 |
| 6   | 62  | 50  | 42  | 36  | 57 | 47 | 40 | 34 | 40 | 34 | 30 | 33 | 29 | 26 | 27 | 24 | 22 | 19 |
| 7   | 58  | 45  | 38  | 32  | 53 | 42 | 35 | 30 | 36 | 31 | 26 | 30 | 26 | 23 | 25 | 22 | 19 | 17 |
| 8   | 54  | 41  | 34  | 28  | 49 | 38 | 31 | 27 | 33 | 27 | 23 | 28 | 23 | 20 | 23 | 20 | 17 | 15 |
| 9   | 50  | 38  | 30  | 25  | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 26 | 21 | 18 | 21 | 18 | 16 | 13 |
| 10  | 47  | 35  | 27  | 23  | 43 | 32 | 26 | 21 | 28 | 23 | 19 | 24 | 19 | 17 | 20 | 16 | 14 | 12 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 4914 | 4914 | 4914 |
| 5°  | 4924 | 4877 | 4909 |
| 10° | 4894 | 4844 | 4871 |
| 15° | 4841 | 4785 | 4805 |
| 20° | 4766 | 4704 | 4712 |
| 25° | 4684 | 4606 | 4603 |
| 30° | 4583 | 4502 | 4480 |
| 35° | 4475 | 4389 | 4328 |
| 40° | 4364 | 4268 | 4207 |
| 45° | 4244 | 4156 | 4074 |
| 50° | 4112 | 4022 | 3900 |
| 55° | 3985 | 3869 | 3762 |
| 60° | 3834 | 3716 | 3584 |
| 65° | 3651 | 3533 | 3412 |
| 70° | 3478 | 3320 | 3206 |
| 75° | 3169 | 3064 | 2959 |
| 80° | 2819 | 2775 | 2708 |
| 85° | 2453 | 2497 | 2364 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 71.7   | 1.8       |
| 10°-20°   | 202.6  | 5.0       |
| 20°-30°   | 299.2  | 7.3       |
| 30°-40°   | 349.1  | 8.5       |
| 40°-50°   | 350.6  | 8.6       |
| 50°-60°   | 307.8  | 7.5       |
| 60°-70°   | 229.3  | 5.6       |
| 70°-80°   | 131.1  | 3.2       |
| 80°-90°   | 39.8   | 1.0       |
| 90°-100°  | 50.6   | 1.2       |
| 100°-110° | 149.5  | 3.7       |
| 110°-120° | 253.2  | 6.2       |
| 120°-130° | 333.2  | 8.1       |
| 130°-140° | 373.3  | 9.1       |
| 140°-150° | 365.9  | 8.9       |
| 150°-160° | 307.3  | 7.5       |
| 160°-170° | 204.3  | 5.0       |
| 170°-180° | 71.5   | 1.7       |
| 0°-30°    | 573.6  | 14.0      |
| 0°-40°    | 922.7  | 22.6      |
| 0°-60°    | 1581.1 | 38.7      |
| 0°-90°    | 1981.4 | 48.4      |
| 90°-120°  | 453.2  | 11.1      |
| 90°-150°  | 1525.6 | 37.3      |
| 90°-180°  | 2109.0 | 51.6      |
| 0°-180°   | 4090.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 761 | 761   | 761 | 761   | 761 |      |
| 5°   | 760 | 758   | 752 | 757   | 757 | 72   |
| 15°  | 724 | 722   | 716 | 719   | 719 | 204  |
| 25°  | 657 | 654   | 646 | 648   | 646 | 302  |
| 35°  | 568 | 565   | 557 | 554   | 549 | 355  |
| 45°  | 465 | 462   | 455 | 448   | 446 | 358  |
| 55°  | 354 | 352   | 344 | 338   | 334 | 316  |
| 65°  | 239 | 237   | 231 | 226   | 223 | 237  |
| 75°  | 127 | 126   | 123 | 121   | 119 | 135  |
| 85°  | 33  | 34    | 34  | 33    | 32  | 37   |
| 90°  | 1   | 5     | 9   | 12    | 14  | 4    |
| 95°  | 38  | 40    | 45  | 49    | 50  | 41   |
| 105° | 134 | 137   | 140 | 144   | 146 | 143  |
| 115° | 254 | 256   | 257 | 256   | 256 | 251  |
| 125° | 370 | 373   | 374 | 373   | 372 | 331  |
| 135° | 481 | 484   | 485 | 485   | 483 | 371  |
| 145° | 583 | 585   | 587 | 587   | 585 | 364  |
| 155° | 667 | 667   | 668 | 670   | 667 | 307  |
| 165° | 725 | 724   | 724 | 726   | 723 | 204  |
| 175° | 754 | 752   | 752 | 755   | 751 | 72   |
| 180° | 756 | 756   | 756 | 756   | 756 |      |



TEST NUMBER: P333381-927

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 760.8 | 760.8 | 760.8 | 760.8 | 760.8 | 760.8 | 760.8 | 760.8 | 760.8 | 760.8 | 760.8 |
| 2.5°   | 762.7 | 762.4 | 762.1 | 761.8 | 761.4 | 760.7 | 759.7 | 758.6 | 757.6 | 756.5 | 757.6 |
| 5°     | 759.6 | 759.3 | 759.1 | 758.8 | 758.5 | 757.7 | 756.4 | 755.0 | 753.7 | 752.3 | 753.6 |
| 7.5°   | 752.6 | 752.3 | 752.1 | 751.8 | 751.5 | 750.7 | 749.2 | 747.7 | 746.2 | 744.8 | 745.9 |
| 10°    | 746.3 | 746.1 | 745.8 | 745.5 | 745.3 | 744.4 | 742.9 | 741.5 | 740.0 | 738.6 | 739.6 |
| 12.5°  | 738.6 | 738.2 | 737.7 | 737.2 | 736.7 | 735.8 | 734.4 | 733.1 | 731.7 | 730.3 | 731.2 |
| 15°    | 724.1 | 723.7 | 723.3 | 722.9 | 722.5 | 721.5 | 720.1 | 718.6 | 717.1 | 715.7 | 716.3 |
| 17.5°  | 707.3 | 706.8 | 706.2 | 705.6 | 705.0 | 703.9 | 702.4 | 700.8 | 699.3 | 697.8 | 698.6 |
| 20°    | 693.4 | 693.1 | 692.8 | 692.6 | 692.3 | 691.3 | 689.6 | 687.9 | 686.1 | 684.4 | 685.3 |
| 22.5°  | 679.4 | 678.9 | 678.4 | 677.9 | 677.5 | 676.4 | 674.8 | 673.2 | 671.5 | 669.9 | 670.5 |
| 25°    | 657.3 | 656.6 | 655.9 | 655.3 | 654.6 | 653.4 | 651.6 | 649.9 | 648.2 | 646.4 | 646.7 |
| 27.5°  | 631.4 | 631.0 | 630.6 | 630.2 | 629.8 | 628.7 | 626.9 | 625.1 | 623.3 | 621.5 | 621.5 |
| 30°    | 614.5 | 614.1 | 613.7 | 613.3 | 612.9 | 611.7 | 609.7 | 607.7 | 605.7 | 603.7 | 603.4 |
| 32.5°  | 596.2 | 595.6 | 595.0 | 594.4 | 593.7 | 592.6 | 590.8 | 589.0 | 587.2 | 585.4 | 584.9 |
| 35°    | 567.6 | 567.0 | 566.5 | 566.0 | 565.5 | 564.3 | 562.4 | 560.5 | 558.6 | 556.7 | 556.1 |
| 37.5°  | 537.8 | 537.2 | 536.5 | 535.8 | 535.2 | 533.9 | 532.2 | 530.4 | 528.6 | 526.9 | 525.9 |
| 40°    | 517.6 | 517.0 | 516.3 | 515.6 | 514.9 | 513.7 | 511.8 | 509.9 | 508.0 | 506.2 | 505.0 |
| 42.5°  | 496.0 | 495.4 | 494.8 | 494.2 | 493.7 | 492.5 | 490.6 | 488.8 | 486.9 | 485.0 | 483.9 |
| 45°    | 464.7 | 464.1 | 463.6 | 463.0 | 462.6 | 461.4 | 459.9 | 458.3 | 456.6 | 455.0 | 453.4 |
| 47.5°  | 430.9 | 430.9 | 431.0 | 431.0 | 431.0 | 430.1 | 428.2 | 426.3 | 424.4 | 422.4 | 420.8 |
| 50°    | 409.3 | 408.8 | 408.4 | 408.1 | 407.7 | 406.7 | 405.0 | 403.5 | 401.9 | 400.3 | 398.5 |
| 52.5°  | 387.1 | 386.8 | 386.6 | 386.3 | 386.0 | 384.9 | 383.3 | 381.5 | 379.9 | 378.1 | 376.6 |
| 55°    | 353.9 | 353.5 | 353.1 | 352.7 | 352.3 | 351.2 | 349.3 | 347.5 | 345.5 | 343.6 | 342.5 |
| 57.5°  | 318.9 | 318.7 | 318.5 | 318.2 | 318.1 | 317.1 | 315.5 | 313.9 | 312.4 | 310.9 | 309.3 |
| 60°    | 296.8 | 296.2 | 295.6 | 295.1 | 294.6 | 293.6 | 292.2 | 290.7 | 289.1 | 287.7 | 286.4 |
| 62.5°  | 273.6 | 273.2 | 272.7 | 272.4 | 271.9 | 271.1 | 269.8 | 268.5 | 267.3 | 266.0 | 264.6 |
| 65°    | 238.9 | 238.7 | 238.4 | 238.1 | 237.9 | 237.0 | 235.5 | 234.1 | 232.6 | 231.2 | 229.9 |
| 67.5°  | 205.3 | 204.8 | 204.2 | 203.7 | 203.1 | 202.3 | 201.2 | 200.1 | 199.0 | 197.9 | 196.9 |
| 70°    | 184.2 | 183.5 | 182.8 | 182.2 | 181.5 | 180.5 | 179.4 | 178.2 | 177.0 | 175.8 | 174.9 |
| 72.5°  | 161.1 | 160.6 | 160.2 | 159.7 | 159.2 | 158.6 | 157.9 | 157.1 | 156.3 | 155.5 | 154.6 |
| 75°    | 127.0 | 126.7 | 126.4 | 126.2 | 126.0 | 125.5 | 124.8 | 124.1 | 123.4 | 122.8 | 122.4 |
| 77.5°  | 95.6  | 95.5  | 95.4  | 95.2  | 95.1  | 94.9  | 94.5  | 94.2  | 93.8  | 93.4  | 93.2  |
| 80°    | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.7  | 75.4  | 75.2  | 74.9  | 74.6  | 74.5  |
| 82.5°  | 58.5  | 58.3  | 58.1  | 57.8  | 57.7  | 57.5  | 57.4  | 57.4  | 57.4  | 57.3  | 57.0  |
| 85°    | 33.1  | 33.3  | 33.4  | 33.5  | 33.7  | 33.7  | 33.7  | 33.7  | 33.7  | 33.7  | 33.6  |
| 87.5°  | 13.2  | 13.3  | 13.5  | 13.8  | 13.9  | 14.1  | 14.2  | 14.3  | 14.3  | 14.4  | 14.5  |
| 90°    | 0.6   | 1.7   | 2.7   | 3.7   | 4.8   | 5.8   | 6.7   | 7.6   | 8.5   | 9.4   | 10.1  |
| 92.5°  | 14.3  | 15.0  | 15.7  | 16.4  | 17.2  | 18.1  | 19.3  | 20.4  | 21.5  | 22.6  | 23.4  |
| 95°    | 38.3  | 38.5  | 38.7  | 39.0  | 39.3  | 40.1  | 41.4  | 42.7  | 44.0  | 45.3  | 46.2  |
| 97.5°  | 63.5  | 63.6  | 63.7  | 63.8  | 63.9  | 64.9  | 66.7  | 68.5  | 70.3  | 72.1  | 73.0  |
| 100°   | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 83.2  | 84.8  | 86.6  | 88.2  | 90.0  | 91.2  |
| 102.5° | 102.6 | 103.1 | 103.6 | 104.1 | 104.6 | 105.4 | 106.2 | 107.1 | 107.9 | 108.8 | 110.1 |
| 105°   | 134.1 | 134.8 | 135.4 | 136.0 | 136.7 | 137.4 | 138.2 | 138.9 | 139.7 | 140.5 | 141.3 |
| 107.5° | 168.9 | 169.5 | 170.2 | 170.9 | 171.5 | 172.1 | 172.8 | 173.3 | 174.0 | 174.5 | 174.9 |
| 110°   | 192.9 | 193.5 | 194.2 | 194.9 | 195.5 | 196.0 | 196.4 | 196.8 | 197.2 | 197.6 | 198.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 217.4 | 217.7 | 218.0 | 218.4 | 218.7 | 219.1 | 219.6 | 220.1 | 220.6 | 221.1 | 221.3 |
| 115°   | 253.5 | 254.0 | 254.5 | 255.0 | 255.6 | 256.0 | 256.2 | 256.4 | 256.7 | 257.0 | 256.8 |
| 117.5° | 289.7 | 289.9 | 290.2 | 290.4 | 290.7 | 290.9 | 291.1 | 291.4 | 291.6 | 291.8 | 291.9 |
| 120°   | 312.3 | 312.9 | 313.5 | 314.3 | 314.9 | 315.3 | 315.4 | 315.5 | 315.7 | 315.8 | 315.8 |
| 122.5° | 336.8 | 337.0 | 337.2 | 337.5 | 337.7 | 337.9 | 338.3 | 338.7 | 339.0 | 339.3 | 339.2 |
| 125°   | 369.9 | 370.7 | 371.5 | 372.2 | 373.0 | 373.5 | 373.6 | 373.8 | 373.9 | 374.0 | 373.8 |
| 127.5° | 405.2 | 405.6 | 406.1 | 406.5 | 406.9 | 407.3 | 407.4 | 407.6 | 407.7 | 407.9 | 407.7 |
| 130°   | 426.4 | 427.0 | 427.7 | 428.3 | 429.0 | 429.4 | 429.7 | 429.9 | 430.2 | 430.5 | 430.3 |
| 132.5° | 447.5 | 448.6 | 449.6 | 450.8 | 451.8 | 452.3 | 452.3 | 452.2 | 452.2 | 452.1 | 452.0 |
| 135°   | 481.0 | 481.8 | 482.6 | 483.4 | 484.2 | 484.7 | 484.7 | 484.9 | 485.1 | 485.1 | 485.1 |
| 137.5° | 512.5 | 513.3 | 514.0 | 514.8 | 515.6 | 516.1 | 516.4 | 516.7 | 517.0 | 517.3 | 517.5 |
| 140°   | 532.8 | 533.5 | 534.1 | 534.7 | 535.4 | 535.9 | 536.3 | 536.7 | 537.1 | 537.5 | 537.7 |
| 142.5° | 553.0 | 553.6 | 554.1 | 554.7 | 555.2 | 555.7 | 556.3 | 556.7 | 557.2 | 557.7 | 557.9 |
| 145°   | 582.8 | 583.3 | 583.8 | 584.3 | 584.9 | 585.3 | 585.7 | 586.1 | 586.5 | 586.9 | 586.9 |
| 147.5° | 610.3 | 610.6 | 610.9 | 611.2 | 611.5 | 611.7 | 612.0 | 612.4 | 612.7 | 613.0 | 613.3 |
| 150°   | 628.7 | 628.5 | 628.4 | 628.3 | 628.1 | 628.4 | 628.8 | 629.4 | 629.9 | 630.4 | 630.4 |
| 152.5° | 643.7 | 643.9 | 644.0 | 644.3 | 644.4 | 644.6 | 644.8 | 645.1 | 645.2 | 645.5 | 645.8 |
| 155°   | 666.9 | 666.9 | 666.9 | 666.9 | 666.9 | 666.9 | 667.1 | 667.2 | 667.3 | 667.5 | 668.0 |
| 157.5° | 687.6 | 687.3 | 687.0 | 686.7 | 686.4 | 686.3 | 686.5 | 686.6 | 686.7 | 686.9 | 687.4 |
| 160°   | 699.8 | 699.4 | 699.0 | 698.6 | 698.2 | 698.1 | 698.2 | 698.4 | 698.5 | 698.6 | 699.2 |
| 162.5° | 710.7 | 710.3 | 710.0 | 709.8 | 709.5 | 709.3 | 709.4 | 709.4 | 709.4 | 709.5 | 710.1 |
| 165°   | 725.1 | 724.8 | 724.6 | 724.3 | 724.1 | 724.0 | 724.1 | 724.2 | 724.4 | 724.5 | 725.0 |
| 167.5° | 737.4 | 736.8 | 736.3 | 735.8 | 735.2 | 735.0 | 735.0 | 735.0 | 735.0 | 735.0 | 735.8 |
| 170°   | 743.9 | 743.4 | 742.8 | 742.4 | 741.8 | 741.6 | 741.6 | 741.6 | 741.6 | 741.6 | 742.4 |
| 172.5° | 748.6 | 748.1 | 747.6 | 747.0 | 746.6 | 746.2 | 746.2 | 746.2 | 746.2 | 746.2 | 747.0 |
| 175°   | 753.9 | 753.4 | 752.9 | 752.3 | 751.8 | 751.5 | 751.5 | 751.5 | 751.5 | 751.5 | 752.3 |
| 177.5° | 756.6 | 756.2 | 755.7 | 755.3 | 754.9 | 754.7 | 754.6 | 754.5 | 754.4 | 754.2 | 754.9 |
| 180°   | 755.7 | 755.7 | 755.7 | 755.7 | 755.7 | 755.7 | 755.7 | 755.7 | 755.7 | 755.7 | 755.7 |



TEST NUMBER: P333381-927

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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 760.8 | 760.8 | 760.8 | 760.8 | 760.8 | 760.8 | 760.8 | 760.8 |
| 2.5°   | 758.6 | 759.7 | 760.7 | 761.2 | 761.1 | 761.0 | 760.9 | 760.8 |
| 5°     | 754.8 | 756.0 | 757.2 | 757.7 | 757.6 | 757.5 | 757.3 | 757.2 |
| 7.5°   | 747.1 | 748.3 | 749.5 | 750.0 | 749.9 | 749.7 | 749.6 | 749.5 |
| 10°    | 740.7 | 741.7 | 742.8 | 743.3 | 743.1 | 743.0 | 742.8 | 742.8 |
| 12.5°  | 732.1 | 732.9 | 733.7 | 734.2 | 734.1 | 734.1 | 734.1 | 734.0 |
| 15°    | 717.0 | 717.6 | 718.4 | 718.7 | 718.7 | 718.7 | 718.7 | 718.7 |
| 17.5°  | 699.5 | 700.3 | 701.2 | 701.2 | 700.5 | 699.9 | 699.3 | 698.5 |
| 20°    | 686.2 | 687.1 | 688.1 | 688.2 | 687.5 | 686.9 | 686.2 | 685.6 |
| 22.5°  | 671.1 | 671.8 | 672.4 | 672.5 | 672.0 | 671.5 | 671.1 | 670.7 |
| 25°    | 647.0 | 647.2 | 647.5 | 647.5 | 647.1 | 646.7 | 646.3 | 645.9 |
| 27.5°  | 621.6 | 621.7 | 621.7 | 621.5 | 621.2 | 620.8 | 620.4 | 620.0 |
| 30°    | 603.2 | 602.9 | 602.6 | 602.3 | 601.9 | 601.5 | 601.1 | 600.7 |
| 32.5°  | 584.5 | 583.9 | 583.4 | 582.9 | 582.2 | 581.5 | 580.7 | 580.0 |
| 35°    | 555.4 | 554.8 | 554.1 | 553.2 | 552.2 | 551.0 | 550.0 | 548.9 |
| 37.5°  | 524.9 | 523.9 | 522.9 | 522.1 | 521.5 | 520.9 | 520.3 | 519.7 |
| 40°    | 503.7 | 502.6 | 501.4 | 500.6 | 500.2 | 499.8 | 499.4 | 499.0 |
| 42.5°  | 482.8 | 481.7 | 480.6 | 479.7 | 479.1 | 478.6 | 477.9 | 477.3 |
| 45°    | 451.8 | 450.2 | 448.6 | 447.6 | 447.2 | 446.8 | 446.4 | 446.0 |
| 47.5°  | 419.1 | 417.5 | 415.9 | 414.6 | 413.7 | 412.7 | 411.8 | 410.8 |
| 50°    | 396.8 | 395.1 | 393.3 | 392.0 | 391.0 | 390.1 | 389.1 | 388.2 |
| 52.5°  | 375.0 | 373.5 | 372.0 | 370.7 | 369.7 | 368.6 | 367.6 | 366.5 |
| 55°    | 341.3 | 340.1 | 338.9 | 337.8 | 336.8 | 335.9 | 335.0 | 334.1 |
| 57.5°  | 307.7 | 306.2 | 304.6 | 303.6 | 303.1 | 302.5 | 302.1 | 301.6 |
| 60°    | 285.0 | 283.7 | 282.3 | 281.2 | 280.3 | 279.3 | 278.4 | 277.5 |
| 62.5°  | 263.2 | 261.7 | 260.2 | 259.2 | 258.5 | 257.7 | 257.0 | 256.3 |
| 65°    | 228.7 | 227.5 | 226.3 | 225.5 | 224.9 | 224.3 | 223.9 | 223.3 |
| 67.5°  | 195.9 | 194.9 | 193.8 | 193.1 | 192.8 | 192.5 | 192.2 | 191.9 |
| 70°    | 174.1 | 173.3 | 172.5 | 171.9 | 171.3 | 170.8 | 170.2 | 169.8 |
| 72.5°  | 153.7 | 152.8 | 151.9 | 151.1 | 150.6 | 150.1 | 149.6 | 149.0 |
| 75°    | 122.0 | 121.6 | 121.2 | 120.7 | 120.2 | 119.6 | 119.1 | 118.6 |
| 77.5°  | 92.9  | 92.7  | 92.4  | 92.1  | 91.7  | 91.4  | 91.0  | 90.6  |
| 80°    | 74.4  | 74.2  | 74.1  | 73.9  | 73.6  | 73.4  | 73.1  | 72.8  |
| 82.5°  | 56.8  | 56.6  | 56.3  | 56.2  | 56.2  | 56.1  | 56.0  | 56.0  |
| 85°    | 33.4  | 33.3  | 33.2  | 33.0  | 32.7  | 32.4  | 32.2  | 31.9  |
| 87.5°  | 14.7  | 14.8  | 14.9  | 14.9  | 14.8  | 14.7  | 14.5  | 14.4  |
| 90°    | 10.7  | 11.4  | 12.0  | 12.5  | 12.9  | 13.3  | 13.7  | 14.1  |
| 92.5°  | 24.3  | 25.2  | 26.1  | 26.6  | 26.9  | 27.2  | 27.5  | 27.7  |
| 95°    | 47.1  | 48.0  | 49.0  | 49.5  | 49.8  | 50.1  | 50.3  | 50.5  |
| 97.5°  | 73.8  | 74.7  | 75.6  | 76.0  | 76.2  | 76.4  | 76.5  | 76.7  |
| 100°   | 92.3  | 93.5  | 94.7  | 95.4  | 95.7  | 95.9  | 96.2  | 96.4  |
| 102.5° | 111.4 | 112.6 | 113.9 | 114.7 | 115.1 | 115.5 | 115.8 | 116.2 |
| 105°   | 142.1 | 142.9 | 143.7 | 144.3 | 144.7 | 145.0 | 145.4 | 145.8 |
| 107.5° | 175.3 | 175.7 | 176.1 | 176.3 | 176.3 | 176.3 | 176.2 | 176.2 |
| 110°   | 198.4 | 198.8 | 199.2 | 199.3 | 199.2 | 199.0 | 198.9 | 198.8 |





TEST NUMBER: P333381-927

CATALOG NUMBER: S125DIW-S610D770U927-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 221.5 | 221.7 | 221.8 | 221.8 | 221.6 | 221.3 | 221.1 | 220.9 |
| 115°   | 256.7 | 256.6 | 256.4 | 256.4 | 256.2 | 256.1 | 256.0 | 255.8 |
| 117.5° | 292.0 | 292.1 | 292.2 | 292.0 | 291.5 | 291.0 | 290.4 | 289.9 |
| 120°   | 315.8 | 315.8 | 315.8 | 315.5 | 315.1 | 314.5 | 313.9 | 313.5 |
| 122.5° | 339.1 | 339.0 | 338.9 | 338.7 | 338.2 | 337.8 | 337.4 | 337.0 |
| 125°   | 373.5 | 373.2 | 373.0 | 372.8 | 372.6 | 372.5 | 372.4 | 372.2 |
| 127.5° | 407.7 | 407.5 | 407.3 | 407.2 | 406.9 | 406.6 | 406.4 | 406.2 |
| 130°   | 430.2 | 430.1 | 429.9 | 429.8 | 429.5 | 429.2 | 429.0 | 428.7 |
| 132.5° | 451.9 | 451.7 | 451.6 | 451.3 | 451.0 | 450.6 | 450.3 | 449.9 |
| 135°   | 485.1 | 485.1 | 485.1 | 484.9 | 484.3 | 483.9 | 483.3 | 482.8 |
| 137.5° | 517.6 | 517.8 | 517.9 | 517.6 | 517.0 | 516.3 | 515.7 | 515.0 |
| 140°   | 538.1 | 538.3 | 538.5 | 538.4 | 537.7 | 537.0 | 536.4 | 535.8 |
| 142.5° | 558.0 | 558.2 | 558.3 | 558.1 | 557.5 | 556.8 | 556.1 | 555.5 |
| 145°   | 586.9 | 586.9 | 586.9 | 586.7 | 586.3 | 585.9 | 585.5 | 585.1 |
| 147.5° | 613.6 | 613.9 | 614.3 | 613.9 | 613.1 | 612.2 | 611.3 | 610.5 |
| 150°   | 630.4 | 630.4 | 630.4 | 630.3 | 630.0 | 629.8 | 629.5 | 629.2 |
| 152.5° | 646.1 | 646.4 | 646.7 | 646.7 | 646.2 | 645.7 | 645.2 | 644.8 |
| 155°   | 668.5 | 669.0 | 669.6 | 669.5 | 668.8 | 668.2 | 667.5 | 666.9 |
| 157.5° | 687.9 | 688.4 | 689.0 | 688.8 | 687.9 | 687.1 | 686.2 | 685.3 |
| 160°   | 699.7 | 700.2 | 700.7 | 700.7 | 700.0 | 699.3 | 698.7 | 698.1 |
| 162.5° | 710.7 | 711.3 | 711.9 | 711.9 | 711.1 | 710.3 | 709.6 | 708.8 |
| 165°   | 725.6 | 726.1 | 726.6 | 726.4 | 725.7 | 724.9 | 724.1 | 723.3 |
| 167.5° | 736.6 | 737.4 | 738.1 | 738.1 | 737.3 | 736.5 | 735.7 | 734.8 |
| 170°   | 743.1 | 743.9 | 744.7 | 744.7 | 743.7 | 742.8 | 741.9 | 741.0 |
| 172.5° | 747.8 | 748.6 | 749.4 | 749.4 | 748.6 | 747.7 | 746.9 | 746.2 |
| 175°   | 753.1 | 753.9 | 754.7 | 754.6 | 753.7 | 752.8 | 751.9 | 751.0 |
| 177.5° | 755.5 | 756.1 | 756.8 | 756.7 | 756.0 | 755.3 | 754.6 | 753.8 |
| 180°   | 755.7 | 755.7 | 755.7 | 755.7 | 755.7 | 755.7 | 755.7 | 755.7 |

(END OF REPORT)