

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: P333380-927

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333380-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
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-F
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4412.9 lumens
Efficiency: N/A
Efficacy: 117.4 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

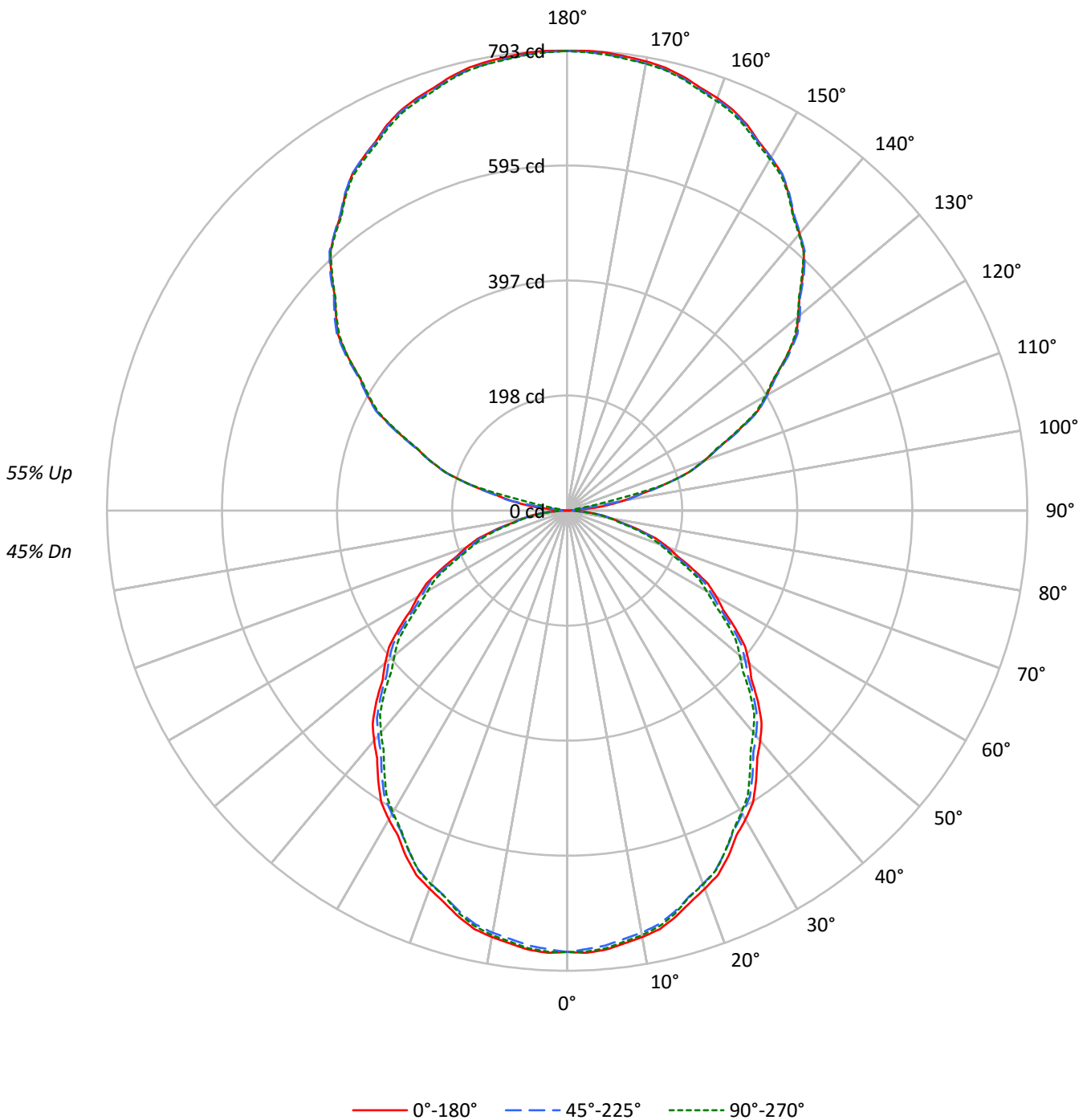
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333380-927

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

Luminous Intensity Polar Plot





TEST NUMBER: P333380-927

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

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 45 |
| 1 | 97 | 92 | 88 | 85 | 88 | 85 | 81 | 78 | 70 | 68 | 66 | 57 | 56 | 54 | 45 | 44 | 43 | 38 |
| 2 | 88 | 81 | 74 | 69 | 80 | 74 | 69 | 64 | 62 | 58 | 55 | 50 | 48 | 45 | 40 | 38 | 36 | 32 |
| 3 | 80 | 71 | 63 | 58 | 73 | 65 | 59 | 54 | 54 | 50 | 46 | 44 | 41 | 38 | 35 | 33 | 31 | 27 |
| 4 | 73 | 63 | 55 | 49 | 67 | 58 | 51 | 45 | 48 | 43 | 39 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 44 | 39 | 43 | 38 | 34 | 36 | 31 | 28 | 28 | 26 | 23 | 20 |
| 6 | 62 | 50 | 42 | 36 | 57 | 46 | 39 | 34 | 39 | 33 | 29 | 32 | 28 | 25 | 26 | 23 | 20 | 17 |
| 7 | 57 | 45 | 37 | 32 | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 24 | 20 | 18 | 15 |
| 8 | 53 | 41 | 33 | 28 | 49 | 38 | 31 | 26 | 32 | 27 | 23 | 27 | 23 | 19 | 22 | 19 | 16 | 14 |
| 9 | 49 | 37 | 30 | 25 | 45 | 35 | 28 | 23 | 29 | 24 | 20 | 25 | 20 | 17 | 20 | 17 | 15 | 12 |
| 10 | 46 | 34 | 27 | 22 | 42 | 32 | 25 | 21 | 27 | 22 | 18 | 23 | 19 | 16 | 18 | 15 | 13 | 11 |

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 |



TEST NUMBER: P333380-927

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

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.7 | 1.6 |
| 10°-20° | 202.6 | 4.6 |
| 20°-30° | 299.2 | 6.8 |
| 30°-40° | 349.1 | 7.9 |
| 40°-50° | 350.6 | 7.9 |
| 50°-60° | 307.8 | 7.0 |
| 60°-70° | 229.3 | 5.2 |
| 70°-80° | 131.1 | 3.0 |
| 80°-90° | 39.8 | 0.9 |
| 90°-100° | 28.8 | 0.7 |
| 100°-110° | 177.3 | 4.0 |
| 110°-120° | 321.6 | 7.3 |
| 120°-130° | 412.8 | 9.4 |
| 130°-140° | 444.0 | 10.1 |
| 140°-150° | 416.7 | 9.4 |
| 150°-160° | 337.1 | 7.6 |
| 160°-170° | 218.0 | 4.9 |
| 170°-180° | 75.2 | 1.7 |
| 0°-30° | 573.6 | 13.0 |
| 0°-40° | 922.7 | 20.9 |
| 0°-60° | 1581.1 | 35.8 |
| 0°-90° | 1981.3 | 44.9 |
| 90°-120° | 527.8 | 12.0 |
| 90°-150° | 1801.3 | 40.8 |
| 90°-180° | 2432.0 | 55.1 |
| 0°-180° | 4412.9 | 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 | 3 |
| 95° | 33 | 31 | 9 | 12 | 12 | 43 |
| 105° | 172 | 175 | 175 | 175 | 174 | 183 |
| 115° | 324 | 327 | 328 | 325 | 322 | 321 |
| 125° | 461 | 465 | 465 | 463 | 461 | 411 |
| 135° | 575 | 578 | 577 | 576 | 572 | 443 |
| 145° | 666 | 667 | 667 | 668 | 664 | 416 |
| 155° | 734 | 730 | 731 | 733 | 728 | 338 |
| 165° | 774 | 771 | 771 | 774 | 770 | 219 |
| 175° | 792 | 789 | 789 | 793 | 788 | 75 |
| 180° | 792 | 792 | 792 | 792 | 792 | |



TEST NUMBER: P333380-927

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

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 | 13.7 | 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 | 5.7 | 6.7 | 7.6 | 8.5 | 9.4 | 10.1 |
| 92.5° | 9.0 | 8.3 | 7.6 | 6.8 | 6.1 | 6.2 | 7.0 | 7.8 | 8.6 | 9.4 | 10.1 |
| 95° | 33.4 | 33.0 | 32.6 | 32.3 | 31.9 | 29.2 | 24.2 | 19.3 | 14.3 | 9.4 | 10.1 |
| 97.5° | 69.9 | 70.6 | 71.3 | 71.9 | 72.6 | 68.1 | 58.3 | 48.5 | 38.7 | 28.9 | 25.2 |
| 100° | 98.0 | 98.4 | 98.8 | 99.2 | 99.6 | 100.1 | 100.6 | 101.1 | 101.6 | 102.1 | 82.7 |
| 102.5° | 126.7 | 127.1 | 127.7 | 128.2 | 128.7 | 129.0 | 129.4 | 129.7 | 130.0 | 130.3 | 126.7 |
| 105° | 172.5 | 173.1 | 173.6 | 174.1 | 174.7 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 |
| 107.5° | 220.2 | 220.2 | 220.2 | 220.2 | 220.2 | 220.4 | 220.6 | 220.9 | 221.2 | 221.4 | 221.4 |
| 110° | 251.2 | 251.2 | 251.2 | 251.2 | 251.2 | 251.4 | 251.6 | 251.9 | 252.2 | 252.4 | 252.0 |



TEST NUMBER: P333380-927

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

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 280.4 | 280.7 | 281.0 | 281.3 | 281.6 | 281.9 | 282.0 | 282.2 | 282.3 | 282.5 | 281.9 |
| 115° | 324.0 | 324.6 | 325.3 | 326.0 | 326.6 | 327.0 | 327.2 | 327.3 | 327.4 | 327.6 | 327.0 |
| 117.5° | 369.2 | 369.2 | 369.2 | 369.2 | 369.1 | 369.3 | 369.9 | 370.3 | 370.8 | 371.3 | 370.7 |
| 120° | 397.4 | 397.3 | 397.1 | 397.0 | 396.9 | 397.0 | 397.4 | 397.8 | 398.2 | 398.5 | 398.3 |
| 122.5° | 422.2 | 422.8 | 423.3 | 423.7 | 424.3 | 424.6 | 424.8 | 424.9 | 425.2 | 425.3 | 425.1 |
| 125° | 460.8 | 461.7 | 462.6 | 463.5 | 464.5 | 464.9 | 464.9 | 464.9 | 464.9 | 464.9 | 464.4 |
| 127.5° | 497.5 | 498.2 | 498.8 | 499.5 | 500.1 | 500.4 | 500.3 | 500.3 | 500.2 | 500.1 | 499.8 |
| 130° | 520.1 | 520.7 | 521.3 | 522.0 | 522.7 | 523.1 | 523.2 | 523.3 | 523.5 | 523.6 | 523.2 |
| 132.5° | 542.6 | 543.4 | 544.2 | 544.9 | 545.7 | 545.9 | 545.6 | 545.3 | 545.0 | 544.7 | 544.6 |
| 135° | 574.6 | 575.4 | 576.2 | 577.0 | 577.8 | 578.1 | 577.8 | 577.5 | 577.3 | 577.0 | 576.7 |
| 137.5° | 604.1 | 604.8 | 605.5 | 606.2 | 606.8 | 607.0 | 606.8 | 606.6 | 606.3 | 606.1 | 606.2 |
| 140° | 623.4 | 623.6 | 623.9 | 624.2 | 624.4 | 624.5 | 624.3 | 624.2 | 624.1 | 623.9 | 624.2 |
| 142.5° | 640.7 | 640.9 | 641.0 | 641.2 | 641.4 | 641.5 | 641.7 | 641.9 | 642.1 | 642.3 | 642.3 |
| 145° | 666.2 | 666.5 | 666.8 | 667.0 | 667.3 | 667.4 | 667.4 | 667.4 | 667.4 | 667.4 | 667.5 |
| 147.5° | 688.6 | 688.5 | 688.4 | 688.4 | 688.3 | 688.4 | 688.6 | 688.6 | 688.8 | 689.0 | 689.1 |
| 150° | 702.6 | 702.3 | 702.1 | 701.8 | 701.6 | 701.6 | 701.8 | 702.1 | 702.3 | 702.6 | 702.9 |
| 152.5° | 716.2 | 715.7 | 715.1 | 714.5 | 713.9 | 713.8 | 714.1 | 714.3 | 714.5 | 714.8 | 715.1 |
| 155° | 733.7 | 732.9 | 732.1 | 731.3 | 730.6 | 730.3 | 730.6 | 730.9 | 731.1 | 731.3 | 731.7 |
| 157.5° | 747.2 | 746.8 | 746.3 | 745.8 | 745.4 | 745.1 | 745.1 | 745.2 | 745.2 | 745.2 | 745.7 |
| 160° | 756.6 | 755.8 | 755.0 | 754.2 | 753.5 | 753.1 | 753.3 | 753.4 | 753.5 | 753.7 | 754.2 |
| 162.5° | 764.1 | 763.3 | 762.6 | 761.8 | 761.0 | 760.7 | 760.8 | 761.0 | 761.0 | 761.2 | 761.9 |
| 165° | 774.2 | 773.4 | 772.7 | 771.9 | 771.1 | 770.8 | 770.9 | 771.0 | 771.2 | 771.3 | 772.1 |
| 167.5° | 781.7 | 780.9 | 780.1 | 779.3 | 778.5 | 778.2 | 778.3 | 778.4 | 778.6 | 778.7 | 779.6 |
| 170° | 786.0 | 785.1 | 784.1 | 783.2 | 782.3 | 781.9 | 782.0 | 782.2 | 782.3 | 782.4 | 783.5 |
| 172.5° | 788.8 | 787.9 | 787.0 | 786.0 | 785.1 | 784.8 | 785.1 | 785.3 | 785.5 | 785.8 | 786.6 |
| 175° | 791.9 | 791.1 | 790.3 | 789.5 | 788.7 | 788.4 | 788.5 | 788.6 | 788.8 | 788.9 | 790.0 |
| 177.5° | 793.2 | 792.6 | 792.0 | 791.4 | 790.8 | 790.4 | 790.6 | 790.7 | 790.8 | 790.9 | 791.6 |
| 180° | 791.9 | 791.9 | 791.9 | 791.9 | 791.9 | 791.9 | 791.9 | 791.9 | 791.9 | 791.9 | 791.9 |



TEST NUMBER: P333380-927

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

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 | 14.3 |
| 90° | 10.7 | 11.3 | 12.0 | 12.5 | 12.9 | 13.3 | 13.7 | 14.1 |
| 92.5° | 10.7 | 11.3 | 12.0 | 12.4 | 12.6 | 12.8 | 13.0 | 13.2 |
| 95° | 10.7 | 11.3 | 12.0 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 |
| 97.5° | 21.5 | 17.8 | 14.2 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 |
| 100° | 63.3 | 43.8 | 24.4 | 14.4 | 13.9 | 13.4 | 12.8 | 12.4 |
| 102.5° | 122.9 | 119.3 | 115.6 | 109.3 | 100.4 | 91.6 | 82.7 | 73.8 |
| 105° | 174.9 | 174.9 | 174.9 | 174.8 | 174.8 | 174.6 | 174.4 | 174.4 |
| 107.5° | 221.5 | 221.5 | 221.5 | 221.3 | 220.9 | 220.5 | 220.1 | 219.8 |
| 110° | 251.6 | 251.2 | 250.8 | 250.7 | 250.8 | 251.0 | 251.1 | 251.2 |



TEST NUMBER: P333380-927

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

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 281.5 | 281.0 | 280.4 | 280.1 | 280.0 | 279.8 | 279.6 | 279.4 |
| 115° | 326.5 | 326.0 | 325.4 | 324.8 | 324.0 | 323.2 | 322.4 | 321.6 |
| 117.5° | 369.9 | 369.3 | 368.6 | 368.1 | 367.7 | 367.4 | 367.1 | 366.8 |
| 120° | 398.1 | 397.8 | 397.5 | 397.0 | 396.4 | 395.8 | 395.1 | 394.4 |
| 122.5° | 424.8 | 424.5 | 424.3 | 423.7 | 423.0 | 422.2 | 421.5 | 420.7 |
| 125° | 463.8 | 463.3 | 462.8 | 462.3 | 461.9 | 461.5 | 461.2 | 460.8 |
| 127.5° | 499.6 | 499.2 | 499.0 | 498.4 | 497.3 | 496.4 | 495.4 | 494.5 |
| 130° | 522.8 | 522.4 | 522.0 | 521.5 | 520.9 | 520.2 | 519.5 | 518.9 |
| 132.5° | 544.5 | 544.5 | 544.4 | 544.1 | 543.4 | 542.7 | 542.1 | 541.5 |
| 135° | 576.5 | 576.2 | 576.0 | 575.4 | 574.6 | 573.9 | 573.1 | 572.3 |
| 137.5° | 606.3 | 606.3 | 606.3 | 606.0 | 605.3 | 604.7 | 604.0 | 603.3 |
| 140° | 624.5 | 624.7 | 625.0 | 624.7 | 623.9 | 623.2 | 622.4 | 621.6 |
| 142.5° | 642.4 | 642.5 | 642.5 | 642.1 | 641.4 | 640.6 | 639.8 | 639.0 |
| 145° | 667.7 | 667.8 | 667.9 | 667.6 | 666.8 | 666.0 | 665.3 | 664.5 |
| 147.5° | 689.3 | 689.4 | 689.6 | 689.2 | 688.3 | 687.4 | 686.4 | 685.5 |
| 150° | 703.1 | 703.4 | 703.7 | 703.3 | 702.2 | 701.2 | 700.1 | 699.1 |
| 152.5° | 715.3 | 715.6 | 715.9 | 715.5 | 714.5 | 713.7 | 712.7 | 711.8 |
| 155° | 732.1 | 732.5 | 732.9 | 732.6 | 731.6 | 730.6 | 729.5 | 728.4 |
| 157.5° | 746.1 | 746.5 | 746.9 | 746.6 | 745.5 | 744.5 | 743.5 | 742.4 |
| 160° | 754.7 | 755.3 | 755.7 | 755.5 | 754.5 | 753.4 | 752.4 | 751.3 |
| 162.5° | 762.6 | 763.3 | 764.1 | 763.9 | 762.8 | 761.6 | 760.5 | 759.3 |
| 165° | 772.9 | 773.6 | 774.4 | 774.3 | 773.2 | 772.2 | 771.2 | 770.1 |
| 167.5° | 780.5 | 781.5 | 782.4 | 782.4 | 781.2 | 780.0 | 778.8 | 777.6 |
| 170° | 784.5 | 785.6 | 786.6 | 786.6 | 785.4 | 784.2 | 783.0 | 781.9 |
| 172.5° | 787.6 | 788.5 | 789.5 | 789.3 | 788.2 | 787.0 | 785.8 | 784.7 |
| 175° | 791.0 | 792.0 | 793.1 | 793.0 | 791.9 | 790.7 | 789.5 | 788.3 |
| 177.5° | 792.3 | 793.1 | 793.8 | 793.8 | 792.9 | 792.1 | 791.2 | 790.4 |
| 180° | 791.9 | 791.9 | 791.9 | 791.9 | 791.9 | 791.9 | 791.9 | 791.9 |

(END OF REPORT)