

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: P333378-840

Luminaire Tested: **S125DIW-S610D770U840-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333378-840
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-S610D770U840-4F0-1E-UDD-D
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5525.9 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')
CIE Type: General Diffuse

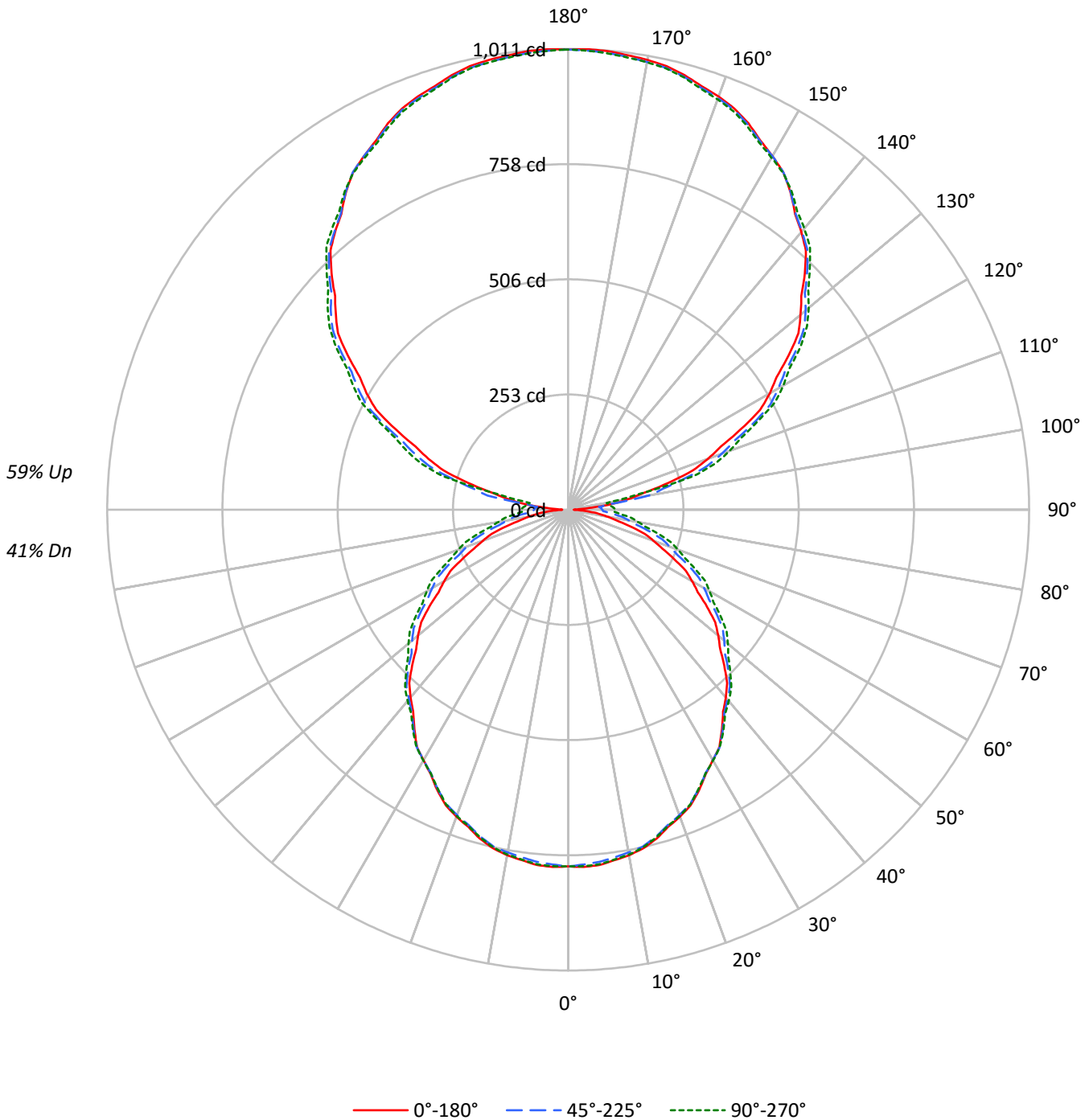
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333378-840

CATALOG NUMBER: S125DIW-S610D770U840-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P333378-840

CATALOG NUMBER: S125DIW-S610D770U840-4F0-1E-UDD-D

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 | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 78 | 78 | 78 | 63 | 63 | 63 | 48 | 48 | 48 | 41 |
| 1 | 95 | 91 | 87 | 83 | 87 | 83 | 79 | 76 | 68 | 65 | 63 | 54 | 52 | 51 | 41 | 40 | 39 | 33 |
| 2 | 86 | 79 | 72 | 67 | 78 | 72 | 67 | 62 | 59 | 55 | 52 | 47 | 44 | 42 | 36 | 34 | 33 | 28 |
| 3 | 79 | 69 | 62 | 56 | 71 | 63 | 57 | 51 | 52 | 47 | 43 | 41 | 38 | 35 | 32 | 30 | 28 | 23 |
| 4 | 72 | 61 | 53 | 47 | 65 | 56 | 49 | 43 | 46 | 41 | 37 | 37 | 33 | 30 | 28 | 26 | 24 | 20 |
| 5 | 66 | 54 | 46 | 40 | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 33 | 29 | 26 | 25 | 23 | 20 | 17 |
| 6 | 61 | 48 | 40 | 34 | 55 | 44 | 37 | 32 | 37 | 31 | 27 | 30 | 26 | 22 | 23 | 20 | 18 | 15 |
| 7 | 56 | 44 | 36 | 30 | 51 | 40 | 33 | 28 | 33 | 28 | 24 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |
| 8 | 52 | 40 | 32 | 26 | 47 | 36 | 29 | 25 | 30 | 25 | 21 | 25 | 21 | 18 | 19 | 16 | 14 | 12 |
| 9 | 48 | 36 | 29 | 23 | 44 | 33 | 26 | 22 | 28 | 22 | 19 | 23 | 19 | 16 | 18 | 15 | 13 | 10 |
| 10 | 45 | 33 | 26 | 21 | 41 | 30 | 24 | 20 | 25 | 20 | 17 | 21 | 17 | 14 | 16 | 14 | 12 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5054 | 5054 | 5054 |
| 5° | 5064 | 4961 | 4977 |
| 10° | 5029 | 4873 | 4865 |
| 15° | 4969 | 4767 | 4723 |
| 20° | 4888 | 4635 | 4581 |
| 25° | 4792 | 4495 | 4406 |
| 30° | 4676 | 4340 | 4247 |
| 35° | 4567 | 4199 | 4102 |
| 40° | 4457 | 4049 | 3955 |
| 45° | 4331 | 3922 | 3825 |
| 50° | 4213 | 3783 | 3710 |
| 55° | 4069 | 3652 | 3575 |
| 60° | 3913 | 3503 | 3437 |
| 65° | 3749 | 3347 | 3282 |
| 70° | 3561 | 3133 | 3123 |
| 75° | 3269 | 2928 | 2928 |
| 80° | 2884 | 2679 | 2713 |
| 85° | 2526 | 2512 | 2645 |



TEST NUMBER: P333378-840

CATALOG NUMBER: S125DIW-S610D770U840-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.0 | 1.3 |
| 10°-20° | 210.1 | 3.8 |
| 20°-30° | 312.4 | 5.7 |
| 30°-40° | 370.1 | 6.7 |
| 40°-50° | 382.6 | 6.9 |
| 50°-60° | 352.5 | 6.4 |
| 60°-70° | 284.9 | 5.2 |
| 70°-80° | 190.8 | 3.5 |
| 80°-90° | 101.1 | 1.8 |
| 90°-100° | 92.2 | 1.7 |
| 100°-110° | 267.0 | 4.8 |
| 110°-120° | 437.5 | 7.9 |
| 120°-130° | 541.8 | 9.8 |
| 130°-140° | 572.8 | 10.4 |
| 140°-150° | 532.6 | 9.6 |
| 150°-160° | 429.8 | 7.8 |
| 160°-170° | 277.9 | 5.0 |
| 170°-180° | 95.9 | 1.7 |
| 0°-30° | 596.5 | 10.8 |
| 0°-40° | 966.6 | 17.5 |
| 0°-60° | 1701.7 | 30.8 |
| 0°-90° | 2278.5 | 41.2 |
| 90°-120° | 796.7 | 14.4 |
| 90°-150° | 2443.9 | 44.2 |
| 90°-180° | 3247.0 | 58.8 |
| 0°-180° | 5525.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 783 | 783 | 783 | 783 | 783 | |
| 5° | 783 | 781 | 776 | 781 | 781 | 74 |
| 15° | 747 | 748 | 743 | 747 | 744 | 210 |
| 25° | 679 | 681 | 677 | 679 | 676 | 312 |
| 35° | 588 | 593 | 591 | 593 | 593 | 368 |
| 45° | 484 | 492 | 496 | 502 | 503 | 373 |
| 55° | 372 | 384 | 397 | 405 | 408 | 333 |
| 65° | 256 | 274 | 292 | 303 | 307 | 254 |
| 75° | 141 | 161 | 186 | 200 | 205 | 150 |
| 85° | 42 | 68 | 94 | 111 | 117 | 45 |
| 90° | 13 | 44 | 75 | 96 | 104 | 10 |
| 95° | 53 | 69 | 68 | 88 | 94 | 62 |
| 105° | 227 | 243 | 265 | 280 | 285 | 241 |
| 115° | 418 | 427 | 448 | 458 | 458 | 414 |
| 125° | 590 | 596 | 610 | 619 | 621 | 527 |
| 135° | 734 | 738 | 742 | 750 | 750 | 566 |
| 145° | 850 | 851 | 851 | 855 | 854 | 531 |
| 155° | 935 | 931 | 932 | 934 | 929 | 431 |
| 165° | 987 | 983 | 983 | 987 | 982 | 279 |
| 175° | 1010 | 1005 | 1006 | 1011 | 1005 | 96 |
| 180° | 1010 | 1010 | 1010 | 1010 | 1010 | |



TEST NUMBER: P333378-840

CATALOG NUMBER: S125DIW-S610D770U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 |
| 2.5° | 784.5 | 784.2 | 784.0 | 783.7 | 783.4 | 782.7 | 781.8 | 780.8 | 779.9 | 778.9 | 779.9 |
| 5° | 782.6 | 782.2 | 781.9 | 781.6 | 781.2 | 780.5 | 779.3 | 778.1 | 776.9 | 775.7 | 777.1 |
| 7.5° | 775.7 | 775.6 | 775.5 | 775.3 | 775.2 | 774.5 | 773.3 | 772.0 | 770.8 | 769.6 | 770.7 |
| 10° | 769.6 | 769.6 | 769.6 | 769.6 | 769.6 | 768.9 | 767.5 | 766.2 | 764.8 | 763.5 | 764.7 |
| 12.5° | 761.0 | 761.1 | 761.2 | 761.4 | 761.5 | 761.0 | 759.9 | 758.9 | 757.8 | 756.7 | 757.6 |
| 15° | 747.3 | 747.5 | 747.7 | 747.8 | 748.0 | 747.5 | 746.3 | 745.1 | 744.0 | 742.8 | 743.8 |
| 17.5° | 729.5 | 729.8 | 730.2 | 730.5 | 730.9 | 730.4 | 729.3 | 728.1 | 726.9 | 725.7 | 726.5 |
| 20° | 716.6 | 717.0 | 717.3 | 717.7 | 718.0 | 717.6 | 716.4 | 715.2 | 714.0 | 712.8 | 713.3 |
| 22.5° | 702.0 | 702.6 | 703.2 | 703.8 | 704.4 | 704.0 | 702.7 | 701.4 | 700.0 | 698.7 | 699.3 |
| 25° | 679.0 | 679.5 | 680.0 | 680.5 | 681.1 | 680.9 | 679.8 | 678.8 | 677.7 | 676.7 | 677.4 |
| 27.5° | 653.6 | 654.3 | 655.1 | 655.8 | 656.6 | 656.4 | 655.2 | 654.1 | 652.9 | 651.8 | 652.2 |
| 30° | 634.5 | 635.6 | 636.6 | 637.6 | 638.6 | 638.6 | 637.6 | 636.6 | 635.6 | 634.5 | 634.9 |
| 32.5° | 617.3 | 618.2 | 619.1 | 620.1 | 620.9 | 621.0 | 620.3 | 619.5 | 618.7 | 617.9 | 618.3 |
| 35° | 587.7 | 589.0 | 590.2 | 591.3 | 592.5 | 592.9 | 592.4 | 591.8 | 591.3 | 590.8 | 591.3 |
| 37.5° | 558.2 | 559.3 | 560.3 | 561.4 | 562.5 | 562.9 | 562.8 | 562.6 | 562.4 | 562.3 | 562.9 |
| 40° | 537.9 | 539.3 | 540.6 | 542.0 | 543.3 | 543.9 | 543.7 | 543.6 | 543.4 | 543.2 | 543.9 |
| 42.5° | 515.7 | 517.6 | 519.3 | 521.1 | 522.9 | 523.9 | 524.3 | 524.7 | 525.0 | 525.4 | 526.2 |
| 45° | 484.1 | 486.0 | 487.9 | 489.8 | 491.7 | 493.0 | 493.9 | 494.7 | 495.5 | 496.4 | 497.7 |
| 47.5° | 451.8 | 453.5 | 455.2 | 457.0 | 458.8 | 460.3 | 461.8 | 463.2 | 464.7 | 466.2 | 468.0 |
| 50° | 429.7 | 431.5 | 433.4 | 435.4 | 437.2 | 439.1 | 440.9 | 442.8 | 444.6 | 446.6 | 448.5 |
| 52.5° | 406.4 | 408.6 | 410.9 | 413.2 | 415.5 | 417.8 | 420.1 | 422.3 | 424.6 | 426.9 | 428.9 |
| 55° | 372.1 | 374.9 | 377.6 | 380.3 | 383.0 | 385.8 | 388.5 | 391.2 | 393.9 | 396.7 | 398.6 |
| 57.5° | 337.2 | 340.4 | 343.7 | 347.0 | 350.2 | 353.5 | 356.6 | 359.7 | 362.8 | 366.0 | 368.1 |
| 60° | 313.9 | 317.2 | 320.6 | 324.1 | 327.5 | 330.8 | 334.3 | 337.7 | 341.1 | 344.5 | 347.1 |
| 62.5° | 291.1 | 294.5 | 297.9 | 301.3 | 304.8 | 308.3 | 311.9 | 315.7 | 319.3 | 323.1 | 325.9 |
| 65° | 256.3 | 260.2 | 264.1 | 268.0 | 272.0 | 276.0 | 280.0 | 284.2 | 288.2 | 292.4 | 294.9 |
| 67.5° | 223.5 | 227.2 | 231.0 | 234.8 | 238.5 | 242.6 | 246.7 | 250.9 | 255.0 | 259.2 | 262.3 |
| 70° | 199.4 | 203.4 | 207.3 | 211.3 | 215.2 | 219.3 | 223.8 | 228.2 | 232.7 | 237.1 | 240.3 |
| 72.5° | 176.1 | 180.3 | 184.3 | 188.3 | 192.4 | 196.8 | 201.7 | 206.5 | 211.4 | 216.2 | 219.7 |
| 75° | 141.2 | 145.6 | 150.1 | 154.5 | 159.0 | 163.9 | 169.4 | 174.8 | 180.3 | 185.7 | 189.0 |
| 77.5° | 107.6 | 112.7 | 117.9 | 122.9 | 128.1 | 133.2 | 138.5 | 143.7 | 149.0 | 154.2 | 157.9 |
| 80° | 86.7 | 91.8 | 96.9 | 102.1 | 107.1 | 112.6 | 118.5 | 124.2 | 130.0 | 135.8 | 139.6 |
| 82.5° | 67.7 | 73.0 | 78.5 | 83.8 | 89.3 | 94.9 | 100.8 | 106.7 | 112.7 | 118.7 | 122.2 |
| 85° | 42.2 | 47.9 | 53.4 | 59.1 | 64.7 | 70.5 | 76.4 | 82.4 | 88.4 | 94.4 | 98.2 |
| 87.5° | 24.1 | 29.8 | 35.5 | 41.3 | 47.0 | 52.8 | 58.9 | 64.9 | 71.0 | 77.0 | 81.1 |
| 90° | 13.0 | 19.8 | 26.6 | 33.4 | 40.2 | 47.1 | 54.0 | 61.0 | 68.0 | 74.9 | 79.7 |
| 92.5° | 22.6 | 26.7 | 30.8 | 34.9 | 39.1 | 44.5 | 51.5 | 58.5 | 65.4 | 72.4 | 77.1 |
| 95° | 52.6 | 56.6 | 60.5 | 64.4 | 68.4 | 70.1 | 69.6 | 69.1 | 68.5 | 68.0 | 72.6 |
| 97.5° | 98.1 | 103.0 | 107.9 | 112.8 | 117.6 | 116.6 | 109.8 | 102.8 | 95.9 | 89.0 | 87.9 |
| 100° | 133.4 | 137.4 | 141.6 | 145.6 | 149.8 | 154.8 | 161.0 | 167.0 | 173.2 | 179.4 | 158.1 |
| 102.5° | 169.3 | 173.3 | 177.2 | 181.2 | 185.1 | 189.9 | 195.6 | 201.4 | 207.0 | 212.8 | 211.6 |
| 105° | 226.9 | 230.2 | 233.7 | 237.1 | 240.4 | 244.7 | 249.8 | 255.0 | 260.0 | 265.2 | 268.6 |
| 107.5° | 286.7 | 289.0 | 291.3 | 293.7 | 296.0 | 299.8 | 305.1 | 310.2 | 315.5 | 320.7 | 324.2 |
| 110° | 325.7 | 327.7 | 329.7 | 331.7 | 333.9 | 337.4 | 342.5 | 347.6 | 352.7 | 357.8 | 360.5 |



TEST NUMBER: P333378-840

CATALOG NUMBER: S125DIW-S610D770U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 362.7 | 364.8 | 366.8 | 368.9 | 370.9 | 374.4 | 379.2 | 384.1 | 388.8 | 393.6 | 396.2 |
| 115° | 417.7 | 419.7 | 421.7 | 423.7 | 425.8 | 429.1 | 433.6 | 438.3 | 442.8 | 447.5 | 449.9 |
| 117.5° | 474.5 | 475.2 | 476.1 | 476.8 | 477.5 | 480.3 | 485.1 | 490.0 | 494.7 | 499.6 | 501.6 |
| 120° | 510.4 | 510.8 | 511.1 | 511.5 | 511.8 | 514.2 | 518.6 | 523.0 | 527.5 | 531.9 | 534.4 |
| 122.5° | 541.5 | 542.4 | 543.3 | 544.1 | 545.0 | 547.4 | 551.5 | 555.5 | 559.5 | 563.5 | 565.9 |
| 125° | 590.5 | 591.5 | 592.5 | 593.4 | 594.4 | 596.6 | 600.1 | 603.5 | 606.8 | 610.3 | 612.4 |
| 127.5° | 636.5 | 637.2 | 637.8 | 638.5 | 639.1 | 640.9 | 643.6 | 646.2 | 648.9 | 651.7 | 653.8 |
| 130° | 665.3 | 665.9 | 666.6 | 667.2 | 667.9 | 669.5 | 672.1 | 674.6 | 677.2 | 679.7 | 681.7 |
| 132.5° | 693.4 | 694.3 | 695.3 | 696.2 | 697.1 | 698.3 | 699.8 | 701.3 | 702.8 | 704.2 | 706.5 |
| 135° | 734.1 | 734.9 | 735.8 | 736.6 | 737.4 | 738.2 | 739.1 | 739.9 | 740.8 | 741.6 | 743.6 |
| 137.5° | 771.5 | 772.2 | 773.0 | 773.7 | 774.5 | 775.0 | 775.2 | 775.5 | 775.8 | 776.1 | 778.1 |
| 140° | 795.5 | 795.8 | 796.1 | 796.5 | 796.8 | 796.9 | 797.0 | 797.0 | 797.0 | 797.0 | 799.2 |
| 142.5° | 817.6 | 817.7 | 817.7 | 817.8 | 817.8 | 818.0 | 818.3 | 818.5 | 818.8 | 819.1 | 820.7 |
| 145° | 850.1 | 850.2 | 850.4 | 850.5 | 850.7 | 850.8 | 850.8 | 850.8 | 850.8 | 850.8 | 851.8 |
| 147.5° | 877.8 | 877.7 | 877.6 | 877.6 | 877.5 | 877.6 | 877.8 | 877.9 | 878.1 | 878.3 | 878.8 |
| 150° | 895.6 | 895.3 | 895.0 | 894.6 | 894.3 | 894.3 | 894.6 | 895.0 | 895.3 | 895.6 | 896.1 |
| 152.5° | 913.0 | 912.3 | 911.6 | 910.9 | 910.1 | 909.9 | 910.3 | 910.6 | 910.9 | 911.2 | 911.6 |
| 155° | 935.3 | 934.3 | 933.3 | 932.3 | 931.4 | 931.0 | 931.4 | 931.7 | 932.0 | 932.3 | 932.8 |
| 157.5° | 952.5 | 952.0 | 951.4 | 950.8 | 950.2 | 949.9 | 949.9 | 950.0 | 950.0 | 950.0 | 950.6 |
| 160° | 964.5 | 963.5 | 962.5 | 961.5 | 960.6 | 960.1 | 960.3 | 960.5 | 960.6 | 960.8 | 961.5 |
| 162.5° | 974.1 | 973.1 | 972.1 | 971.1 | 970.1 | 969.7 | 969.9 | 970.1 | 970.2 | 970.4 | 971.3 |
| 165° | 986.9 | 985.9 | 985.0 | 984.0 | 983.0 | 982.6 | 982.7 | 982.9 | 983.1 | 983.2 | 984.2 |
| 167.5° | 996.5 | 995.5 | 994.5 | 993.5 | 992.4 | 992.0 | 992.2 | 992.3 | 992.5 | 992.7 | 993.8 |
| 170° | 1002.0 | 1000.8 | 999.6 | 998.5 | 997.2 | 996.7 | 996.9 | 997.1 | 997.2 | 997.4 | 998.8 |
| 172.5° | 1005.5 | 1004.4 | 1003.2 | 1002.0 | 1000.9 | 1000.5 | 1000.8 | 1001.1 | 1001.4 | 1001.7 | 1002.8 |
| 175° | 1009.5 | 1008.5 | 1007.4 | 1006.4 | 1005.4 | 1005.0 | 1005.2 | 1005.3 | 1005.5 | 1005.7 | 1007.0 |
| 177.5° | 1011.2 | 1010.4 | 1009.7 | 1008.9 | 1008.0 | 1007.6 | 1007.8 | 1007.9 | 1008.0 | 1008.2 | 1009.2 |
| 180° | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 |



TEST NUMBER: P333378-840

CATALOG NUMBER: S125DIW-S610D770U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 |
| 2.5° | 780.8 | 781.8 | 782.7 | 783.2 | 783.0 | 782.9 | 782.7 | 782.6 |
| 5° | 778.4 | 779.8 | 781.1 | 781.7 | 781.6 | 781.4 | 781.2 | 781.1 |
| 7.5° | 771.9 | 773.2 | 774.4 | 774.9 | 774.7 | 774.6 | 774.4 | 774.2 |
| 10° | 765.9 | 767.0 | 768.2 | 768.7 | 768.6 | 768.4 | 768.2 | 768.0 |
| 12.5° | 758.5 | 759.4 | 760.4 | 760.6 | 760.1 | 759.7 | 759.3 | 758.8 |
| 15° | 744.8 | 745.8 | 746.8 | 747.0 | 746.3 | 745.6 | 745.0 | 744.3 |
| 17.5° | 727.3 | 728.0 | 728.8 | 729.0 | 728.6 | 728.2 | 727.8 | 727.4 |
| 20° | 713.9 | 714.4 | 714.9 | 715.1 | 715.1 | 715.1 | 715.1 | 715.1 |
| 22.5° | 699.9 | 700.6 | 701.3 | 701.4 | 700.9 | 700.5 | 700.1 | 699.7 |
| 25° | 678.1 | 678.8 | 679.4 | 679.4 | 678.5 | 677.7 | 676.8 | 676.0 |
| 27.5° | 652.7 | 653.2 | 653.7 | 653.7 | 653.4 | 653.1 | 652.8 | 652.5 |
| 30° | 635.2 | 635.6 | 635.9 | 636.0 | 635.8 | 635.6 | 635.5 | 635.3 |
| 32.5° | 618.6 | 618.9 | 619.4 | 619.5 | 619.2 | 619.0 | 618.9 | 618.7 |
| 35° | 591.8 | 592.4 | 592.9 | 593.1 | 593.1 | 593.1 | 593.1 | 593.1 |
| 37.5° | 563.6 | 564.3 | 565.0 | 565.3 | 565.2 | 565.1 | 565.1 | 565.0 |
| 40° | 544.6 | 545.3 | 545.9 | 546.4 | 546.8 | 547.1 | 547.5 | 547.9 |
| 42.5° | 527.0 | 527.9 | 528.7 | 529.2 | 529.3 | 529.3 | 529.4 | 529.5 |
| 45° | 498.8 | 500.0 | 501.2 | 501.9 | 502.1 | 502.2 | 502.4 | 502.6 |
| 47.5° | 469.7 | 471.4 | 473.1 | 474.2 | 474.6 | 474.9 | 475.3 | 475.7 |
| 50° | 450.3 | 452.2 | 454.0 | 455.2 | 455.8 | 456.3 | 456.8 | 457.3 |
| 52.5° | 430.9 | 432.9 | 434.9 | 436.2 | 436.6 | 436.9 | 437.3 | 437.7 |
| 55° | 400.4 | 402.3 | 404.1 | 405.5 | 406.2 | 406.9 | 407.5 | 408.2 |
| 57.5° | 370.3 | 372.4 | 374.6 | 375.9 | 376.5 | 377.0 | 377.5 | 378.0 |
| 60° | 349.6 | 352.1 | 354.8 | 356.3 | 356.8 | 357.3 | 357.8 | 358.3 |
| 62.5° | 328.7 | 331.5 | 334.4 | 336.1 | 336.7 | 337.4 | 338.0 | 338.7 |
| 65° | 297.4 | 300.0 | 302.6 | 304.2 | 304.9 | 305.6 | 306.2 | 306.9 |
| 67.5° | 265.4 | 268.5 | 271.6 | 273.6 | 274.5 | 275.4 | 276.3 | 277.1 |
| 70° | 243.6 | 246.8 | 250.0 | 252.2 | 253.2 | 254.2 | 255.3 | 256.3 |
| 72.5° | 223.3 | 226.7 | 230.2 | 232.4 | 233.2 | 233.9 | 234.7 | 235.4 |
| 75° | 192.5 | 195.9 | 199.3 | 201.5 | 202.3 | 203.2 | 204.0 | 204.9 |
| 77.5° | 161.7 | 165.5 | 169.3 | 171.5 | 172.1 | 172.8 | 173.5 | 174.2 |
| 80° | 143.3 | 147.0 | 150.8 | 153.0 | 153.7 | 154.4 | 155.1 | 155.7 |
| 82.5° | 125.8 | 129.5 | 133.1 | 135.5 | 136.7 | 137.9 | 139.2 | 140.4 |
| 85° | 101.9 | 105.6 | 109.4 | 111.9 | 113.3 | 114.6 | 116.0 | 117.3 |
| 87.5° | 85.1 | 89.3 | 93.3 | 96.0 | 97.4 | 98.6 | 99.9 | 101.2 |
| 90° | 84.4 | 89.2 | 93.9 | 97.1 | 98.9 | 100.5 | 102.2 | 103.9 |
| 92.5° | 81.7 | 86.2 | 90.9 | 93.9 | 95.3 | 96.7 | 98.2 | 99.7 |
| 95° | 77.2 | 81.7 | 86.3 | 89.2 | 90.4 | 91.6 | 92.8 | 94.0 |
| 97.5° | 86.7 | 85.6 | 84.5 | 84.6 | 85.7 | 86.9 | 88.1 | 89.2 |
| 100° | 136.9 | 115.7 | 94.5 | 84.1 | 84.4 | 84.8 | 85.1 | 85.5 |
| 102.5° | 210.3 | 209.0 | 207.8 | 202.0 | 191.8 | 181.5 | 171.2 | 160.9 |
| 105° | 272.0 | 275.4 | 278.8 | 281.0 | 282.1 | 283.1 | 284.2 | 285.2 |
| 107.5° | 327.6 | 331.0 | 334.4 | 336.4 | 337.0 | 337.5 | 338.1 | 338.6 |
| 110° | 363.3 | 366.1 | 368.8 | 370.8 | 372.2 | 373.5 | 375.0 | 376.3 |



TEST NUMBER: P333378-840

CATALOG NUMBER: S125DIW-S610D770U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 398.6 | 401.1 | 403.5 | 405.3 | 406.3 | 407.2 | 408.2 | 409.1 |
| 115° | 452.3 | 454.6 | 457.1 | 458.3 | 458.3 | 458.4 | 458.4 | 458.4 |
| 117.5° | 503.6 | 505.7 | 507.8 | 509.1 | 509.9 | 510.6 | 511.3 | 512.0 |
| 120° | 537.0 | 539.6 | 542.1 | 543.5 | 543.7 | 543.9 | 544.1 | 544.3 |
| 122.5° | 568.4 | 570.8 | 573.2 | 574.5 | 574.5 | 574.6 | 574.7 | 574.7 |
| 125° | 614.4 | 616.4 | 618.5 | 619.8 | 620.1 | 620.5 | 620.8 | 621.2 |
| 127.5° | 656.0 | 658.1 | 660.2 | 661.3 | 661.0 | 660.8 | 660.6 | 660.2 |
| 130° | 683.5 | 685.4 | 687.3 | 688.2 | 688.2 | 688.3 | 688.3 | 688.3 |
| 132.5° | 708.8 | 711.0 | 713.4 | 714.5 | 714.4 | 714.2 | 714.1 | 714.0 |
| 135° | 745.5 | 747.3 | 749.2 | 750.1 | 749.9 | 749.8 | 749.6 | 749.5 |
| 137.5° | 780.2 | 782.2 | 784.4 | 785.3 | 785.2 | 785.0 | 784.8 | 784.6 |
| 140° | 801.3 | 803.5 | 805.8 | 806.7 | 806.4 | 806.1 | 805.8 | 805.5 |
| 142.5° | 822.4 | 824.0 | 825.8 | 826.4 | 826.1 | 825.8 | 825.5 | 825.2 |
| 145° | 852.8 | 853.8 | 854.9 | 855.3 | 854.9 | 854.5 | 854.2 | 853.9 |
| 147.5° | 879.3 | 879.7 | 880.2 | 880.0 | 879.1 | 878.2 | 877.4 | 876.5 |
| 150° | 896.4 | 896.7 | 897.1 | 896.6 | 895.4 | 894.2 | 893.1 | 891.9 |
| 152.5° | 911.9 | 912.2 | 912.6 | 912.2 | 911.0 | 909.8 | 908.7 | 907.5 |
| 155° | 933.3 | 933.8 | 934.3 | 933.9 | 932.6 | 931.3 | 930.0 | 928.6 |
| 157.5° | 951.1 | 951.6 | 952.1 | 951.7 | 950.4 | 949.1 | 947.8 | 946.4 |
| 160° | 962.1 | 962.8 | 963.4 | 963.1 | 961.8 | 960.5 | 959.2 | 957.8 |
| 162.5° | 972.2 | 973.1 | 974.1 | 973.8 | 972.4 | 970.9 | 969.5 | 968.0 |
| 165° | 985.2 | 986.2 | 987.2 | 987.0 | 985.7 | 984.4 | 983.1 | 981.7 |
| 167.5° | 995.0 | 996.2 | 997.4 | 997.3 | 995.8 | 994.3 | 992.8 | 991.3 |
| 170° | 1000.1 | 1001.5 | 1002.8 | 1002.7 | 1001.2 | 999.7 | 998.2 | 996.7 |
| 172.5° | 1004.0 | 1005.2 | 1006.4 | 1006.2 | 1004.8 | 1003.3 | 1001.8 | 1000.3 |
| 175° | 1008.4 | 1009.7 | 1011.0 | 1010.9 | 1009.5 | 1007.9 | 1006.4 | 1004.9 |
| 177.5° | 1010.1 | 1011.0 | 1012.0 | 1011.9 | 1010.8 | 1009.8 | 1008.7 | 1007.6 |
| 180° | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 |

(END OF REPORT)