

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: P333390-840

Luminaire Tested: **S125DIW-S610D1340U840-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333390-840
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-S610D1340U840-4F0-1E-UDD-D
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7844.2 lumens
Efficiency: N/A
Efficacy: 145.8 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: Semi-Indirect

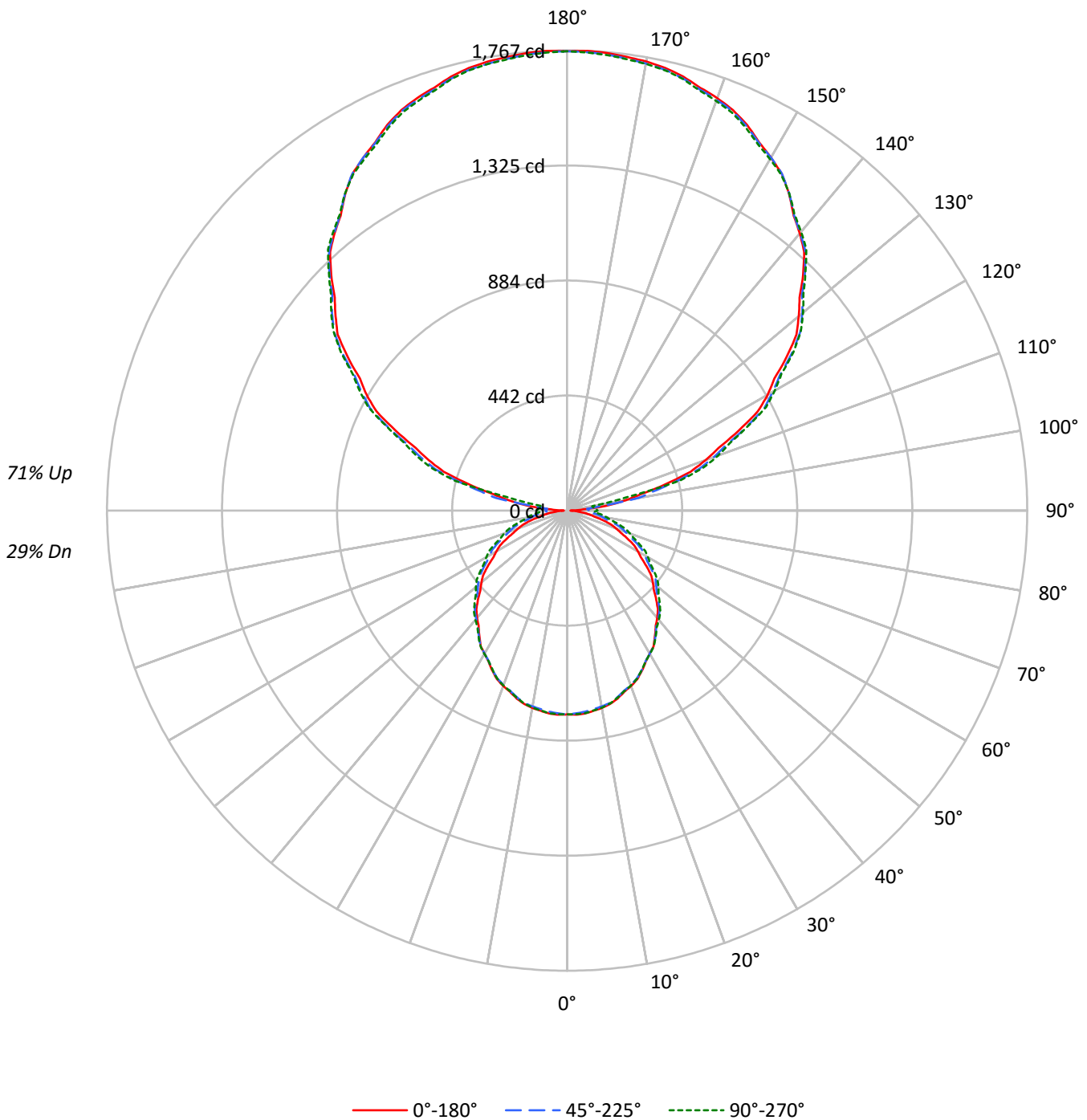
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333390-840

CATALOG NUMBER: S125DIW-S610D1340U840-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P333390-840

CATALOG NUMBER: S125DIW-S610D1340U840-4F0-1E-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 | 102 | 102 | 102 | 102 | 92 | 92 | 92 | 92 | 72 | 72 | 72 | 54 | 54 | 54 | 37 | 37 | 37 | 29 |
| 1 | 93 | 88 | 84 | 81 | 83 | 79 | 76 | 73 | 62 | 60 | 58 | 46 | 45 | 44 | 32 | 31 | 30 | 24 |
| 2 | 84 | 77 | 71 | 66 | 75 | 69 | 64 | 59 | 54 | 51 | 47 | 40 | 38 | 36 | 28 | 26 | 25 | 19 |
| 3 | 77 | 67 | 60 | 54 | 68 | 60 | 54 | 49 | 48 | 43 | 40 | 36 | 33 | 30 | 24 | 23 | 21 | 16 |
| 4 | 70 | 59 | 52 | 46 | 62 | 53 | 47 | 42 | 42 | 37 | 34 | 32 | 28 | 26 | 22 | 20 | 18 | 14 |
| 5 | 64 | 53 | 45 | 39 | 57 | 47 | 41 | 35 | 37 | 32 | 29 | 28 | 25 | 22 | 20 | 17 | 16 | 12 |
| 6 | 59 | 47 | 39 | 33 | 52 | 42 | 36 | 31 | 34 | 29 | 25 | 25 | 22 | 19 | 18 | 15 | 14 | 10 |
| 7 | 54 | 42 | 35 | 29 | 48 | 38 | 31 | 27 | 30 | 25 | 22 | 23 | 19 | 17 | 16 | 14 | 12 | 9 |
| 8 | 50 | 38 | 31 | 26 | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 21 | 17 | 15 | 15 | 12 | 11 | 8 |
| 9 | 47 | 35 | 27 | 23 | 42 | 31 | 25 | 21 | 25 | 20 | 17 | 19 | 16 | 13 | 14 | 11 | 10 | 7 |
| 10 | 43 | 32 | 25 | 20 | 39 | 29 | 23 | 18 | 23 | 18 | 15 | 18 | 14 | 12 | 13 | 10 | 9 | 7 |

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: P333390-840

CATALOG NUMBER: S125DIW-S610D1340U840-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.0 | 0.9 |
| 10°-20° | 210.1 | 2.7 |
| 20°-30° | 312.4 | 4.0 |
| 30°-40° | 370.1 | 4.7 |
| 40°-50° | 382.6 | 4.9 |
| 50°-60° | 352.5 | 4.5 |
| 60°-70° | 284.9 | 3.6 |
| 70°-80° | 190.8 | 2.4 |
| 80°-90° | 102.6 | 1.3 |
| 90°-100° | 119.6 | 1.5 |
| 100°-110° | 436.0 | 5.6 |
| 110°-120° | 743.9 | 9.5 |
| 120°-130° | 935.1 | 11.9 |
| 130°-140° | 995.8 | 12.7 |
| 140°-150° | 929.7 | 11.9 |
| 150°-160° | 750.9 | 9.6 |
| 160°-170° | 485.7 | 6.2 |
| 170°-180° | 167.5 | 2.1 |
| 0°-30° | 596.5 | 7.6 |
| 0°-40° | 966.6 | 12.3 |
| 0°-60° | 1701.7 | 21.7 |
| 0°-90° | 2280.0 | 29.1 |
| 90°-120° | 1299.5 | 16.6 |
| 90°-150° | 4160.1 | 53.0 |
| 90°-180° | 5564.0 | 70.9 |
| 0°-180° | 7844.2 | 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° | 14 | 49 | 84 | 107 | 117 | 11 |
| 95° | 84 | 98 | 77 | 99 | 106 | 103 |
| 105° | 391 | 409 | 432 | 447 | 451 | 415 |
| 115° | 726 | 739 | 760 | 767 | 765 | 720 |
| 125° | 1030 | 1038 | 1053 | 1060 | 1060 | 919 |
| 135° | 1282 | 1288 | 1291 | 1298 | 1295 | 988 |
| 145° | 1485 | 1486 | 1487 | 1491 | 1487 | 928 |
| 155° | 1634 | 1627 | 1629 | 1632 | 1623 | 753 |
| 165° | 1725 | 1717 | 1718 | 1725 | 1716 | 487 |
| 175° | 1764 | 1757 | 1757 | 1767 | 1756 | 168 |
| 180° | 1764 | 1764 | 1764 | 1764 | 1764 | |



TEST NUMBER: P333390-840

CATALOG NUMBER: S125DIW-S610D1340U840-4F0-1E-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° | 24.2 | 30.1 | 36.1 | 42.0 | 47.9 | 53.9 | 60.2 | 66.3 | 72.6 | 78.8 | 83.0 |
| 90° | 13.6 | 21.4 | 29.2 | 37.0 | 44.7 | 52.5 | 60.4 | 68.2 | 76.0 | 83.8 | 89.2 |
| 92.5° | 31.2 | 34.6 | 38.1 | 41.4 | 44.8 | 50.4 | 58.2 | 65.9 | 73.6 | 81.4 | 86.6 |
| 95° | 84.5 | 88.1 | 91.6 | 95.2 | 98.8 | 98.0 | 92.7 | 87.5 | 82.2 | 77.0 | 82.1 |
| 97.5° | 164.6 | 170.2 | 175.7 | 181.4 | 186.9 | 181.6 | 165.3 | 149.1 | 132.8 | 116.5 | 111.9 |
| 100° | 226.8 | 231.3 | 235.7 | 240.1 | 244.6 | 250.1 | 256.8 | 263.4 | 270.0 | 276.6 | 236.9 |
| 102.5° | 290.0 | 294.4 | 298.8 | 303.3 | 307.6 | 312.9 | 318.9 | 324.9 | 330.9 | 336.9 | 332.1 |
| 105° | 391.3 | 395.2 | 399.1 | 403.0 | 406.9 | 411.4 | 416.5 | 421.6 | 426.8 | 431.8 | 435.3 |
| 107.5° | 496.6 | 498.9 | 501.2 | 503.5 | 505.8 | 509.8 | 515.2 | 520.7 | 526.2 | 531.7 | 535.1 |
| 110° | 565.0 | 567.0 | 569.1 | 571.1 | 573.2 | 576.8 | 582.2 | 587.5 | 592.9 | 598.3 | 600.7 |



TEST NUMBER: P333390-840

CATALOG NUMBER: S125DIW-S610D1340U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 629.9 | 632.2 | 634.5 | 636.8 | 639.1 | 642.9 | 647.8 | 652.8 | 657.8 | 662.8 | 664.8 |
| 115° | 726.4 | 729.0 | 731.6 | 734.3 | 736.9 | 740.6 | 745.4 | 750.0 | 754.8 | 759.5 | 761.4 |
| 117.5° | 826.3 | 827.0 | 827.7 | 828.5 | 829.2 | 832.2 | 837.5 | 842.7 | 848.1 | 853.3 | 854.7 |
| 120° | 889.0 | 889.3 | 889.5 | 889.7 | 889.9 | 892.4 | 897.2 | 902.0 | 906.8 | 911.6 | 913.9 |
| 122.5° | 943.8 | 945.2 | 946.5 | 947.9 | 949.3 | 952.0 | 956.1 | 960.4 | 964.5 | 968.8 | 971.0 |
| 125° | 1029.5 | 1031.4 | 1033.2 | 1035.1 | 1036.9 | 1039.6 | 1043.0 | 1046.4 | 1049.8 | 1053.2 | 1054.8 |
| 127.5° | 1110.5 | 1111.9 | 1113.1 | 1114.4 | 1115.7 | 1117.6 | 1120.2 | 1122.9 | 1125.5 | 1128.1 | 1130.0 |
| 130° | 1160.7 | 1162.1 | 1163.4 | 1164.6 | 1165.9 | 1167.9 | 1170.5 | 1173.3 | 1175.9 | 1178.6 | 1180.1 |
| 132.5° | 1210.3 | 1212.0 | 1213.7 | 1215.3 | 1217.0 | 1218.4 | 1219.6 | 1220.8 | 1222.0 | 1223.1 | 1225.4 |
| 135° | 1281.6 | 1283.1 | 1284.8 | 1286.3 | 1287.9 | 1289.0 | 1289.6 | 1290.2 | 1290.8 | 1291.4 | 1293.0 |
| 137.5° | 1347.1 | 1348.5 | 1349.8 | 1351.2 | 1352.6 | 1353.3 | 1353.3 | 1353.4 | 1353.4 | 1353.5 | 1355.6 |
| 140° | 1389.4 | 1390.0 | 1390.5 | 1391.1 | 1391.7 | 1391.9 | 1391.8 | 1391.7 | 1391.6 | 1391.4 | 1393.9 |
| 142.5° | 1428.1 | 1428.3 | 1428.5 | 1428.7 | 1428.9 | 1429.3 | 1429.7 | 1430.1 | 1430.6 | 1431.0 | 1432.7 |
| 145° | 1484.8 | 1485.2 | 1485.6 | 1486.0 | 1486.4 | 1486.6 | 1486.6 | 1486.6 | 1486.6 | 1486.6 | 1487.8 |
| 147.5° | 1533.7 | 1533.6 | 1533.5 | 1533.4 | 1533.3 | 1533.4 | 1533.7 | 1534.1 | 1534.4 | 1534.8 | 1535.4 |
| 150° | 1565.1 | 1564.5 | 1564.0 | 1563.4 | 1562.8 | 1562.8 | 1563.4 | 1564.0 | 1564.5 | 1565.1 | 1565.7 |
| 152.5° | 1595.4 | 1594.2 | 1592.9 | 1591.6 | 1590.3 | 1589.9 | 1590.5 | 1591.1 | 1591.7 | 1592.3 | 1592.9 |
| 155° | 1634.4 | 1632.6 | 1630.9 | 1629.2 | 1627.4 | 1626.9 | 1627.4 | 1628.0 | 1628.6 | 1629.2 | 1630.0 |
| 157.5° | 1664.5 | 1663.4 | 1662.3 | 1661.3 | 1660.3 | 1659.8 | 1659.8 | 1659.9 | 1660.0 | 1660.0 | 1660.9 |
| 160° | 1685.4 | 1683.6 | 1681.9 | 1680.1 | 1678.4 | 1677.7 | 1678.0 | 1678.3 | 1678.6 | 1678.9 | 1680.0 |
| 162.5° | 1702.1 | 1700.4 | 1698.6 | 1696.9 | 1695.2 | 1694.5 | 1694.8 | 1695.1 | 1695.3 | 1695.6 | 1697.2 |
| 165° | 1724.6 | 1722.8 | 1721.1 | 1719.4 | 1717.7 | 1716.9 | 1717.2 | 1717.5 | 1717.8 | 1718.1 | 1719.8 |
| 167.5° | 1741.3 | 1739.6 | 1737.8 | 1736.0 | 1734.1 | 1733.4 | 1733.6 | 1733.9 | 1734.2 | 1734.5 | 1736.7 |
| 170° | 1750.8 | 1748.8 | 1746.7 | 1744.6 | 1742.6 | 1741.7 | 1742.0 | 1742.3 | 1742.6 | 1742.9 | 1745.2 |
| 172.5° | 1757.1 | 1755.0 | 1753.0 | 1750.9 | 1748.9 | 1748.2 | 1748.7 | 1749.2 | 1749.7 | 1750.2 | 1752.3 |
| 175° | 1763.8 | 1762.1 | 1760.4 | 1758.6 | 1756.9 | 1756.2 | 1756.5 | 1756.8 | 1757.1 | 1757.3 | 1759.6 |
| 177.5° | 1767.0 | 1765.5 | 1764.2 | 1762.8 | 1761.4 | 1760.8 | 1761.1 | 1761.3 | 1761.5 | 1761.7 | 1763.4 |
| 180° | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 |



TEST NUMBER: P333390-840

CATALOG NUMBER: S125DIW-S610D1340U840-4F0-1E-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° | 87.2 | 91.4 | 95.6 | 98.4 | 99.8 | 101.2 | 102.5 | 103.9 |
| 90° | 94.6 | 100.0 | 105.3 | 109.1 | 111.1 | 113.2 | 115.2 | 117.3 |
| 92.5° | 91.9 | 97.0 | 102.3 | 105.7 | 107.3 | 109.0 | 110.6 | 112.2 |
| 95° | 87.4 | 92.5 | 97.8 | 101.0 | 102.1 | 103.3 | 104.5 | 105.7 |
| 97.5° | 107.2 | 102.7 | 98.1 | 96.3 | 97.5 | 98.7 | 99.8 | 101.0 |
| 100° | 197.2 | 157.4 | 117.8 | 97.9 | 97.7 | 97.6 | 97.5 | 97.3 |
| 102.5° | 327.4 | 322.7 | 317.9 | 306.2 | 287.4 | 268.7 | 249.9 | 231.3 |
| 105° | 438.7 | 442.1 | 445.5 | 447.7 | 448.6 | 449.5 | 450.3 | 451.2 |
| 107.5° | 538.6 | 542.0 | 545.4 | 547.2 | 547.4 | 547.6 | 547.9 | 548.0 |
| 110° | 603.0 | 605.4 | 607.7 | 609.7 | 611.2 | 612.7 | 614.1 | 615.6 |



TEST NUMBER: P333390-840

CATALOG NUMBER: S125DIW-S610D1340U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 666.8 | 668.7 | 670.8 | 672.2 | 673.0 | 673.8 | 674.5 | 675.3 |
| 115° | 763.4 | 765.3 | 767.2 | 767.7 | 767.0 | 766.3 | 765.6 | 764.9 |
| 117.5° | 856.2 | 857.6 | 858.9 | 859.8 | 860.2 | 860.6 | 861.0 | 861.4 |
| 120° | 916.3 | 918.6 | 920.9 | 921.8 | 921.4 | 920.9 | 920.5 | 920.1 |
| 122.5° | 973.1 | 975.3 | 977.4 | 978.3 | 977.5 | 976.9 | 976.2 | 975.6 |
| 125° | 1056.3 | 1057.9 | 1059.4 | 1060.3 | 1060.3 | 1060.2 | 1060.2 | 1060.2 |
| 127.5° | 1131.9 | 1133.8 | 1135.7 | 1136.0 | 1134.9 | 1133.7 | 1132.6 | 1131.4 |
| 130° | 1181.6 | 1183.2 | 1184.7 | 1185.1 | 1184.5 | 1183.9 | 1183.3 | 1182.7 |
| 132.5° | 1227.6 | 1229.8 | 1232.0 | 1232.7 | 1232.0 | 1231.3 | 1230.6 | 1229.8 |
| 135° | 1294.7 | 1296.4 | 1298.0 | 1298.4 | 1297.5 | 1296.6 | 1295.7 | 1294.7 |
| 137.5° | 1357.8 | 1359.9 | 1362.0 | 1362.7 | 1361.9 | 1361.0 | 1360.2 | 1359.4 |
| 140° | 1396.3 | 1398.8 | 1401.3 | 1402.0 | 1400.9 | 1399.9 | 1398.8 | 1397.8 |
| 142.5° | 1434.4 | 1436.1 | 1437.8 | 1438.1 | 1437.1 | 1436.0 | 1435.0 | 1433.9 |
| 145° | 1488.9 | 1490.1 | 1491.3 | 1491.3 | 1490.2 | 1489.1 | 1488.0 | 1487.0 |
| 147.5° | 1536.0 | 1536.6 | 1537.2 | 1536.7 | 1534.9 | 1533.1 | 1531.4 | 1529.5 |
| 150° | 1566.3 | 1566.8 | 1567.4 | 1566.6 | 1564.5 | 1562.4 | 1560.1 | 1558.0 |
| 152.5° | 1593.5 | 1594.1 | 1594.6 | 1593.9 | 1591.9 | 1589.7 | 1587.7 | 1585.7 |
| 155° | 1630.9 | 1631.7 | 1632.6 | 1631.9 | 1629.6 | 1627.3 | 1625.0 | 1622.7 |
| 157.5° | 1661.9 | 1662.8 | 1663.8 | 1663.0 | 1660.7 | 1658.4 | 1656.1 | 1653.8 |
| 160° | 1681.2 | 1682.3 | 1683.5 | 1682.9 | 1680.6 | 1678.3 | 1676.0 | 1673.6 |
| 162.5° | 1698.8 | 1700.5 | 1702.1 | 1701.6 | 1699.1 | 1696.5 | 1693.9 | 1691.4 |
| 165° | 1721.5 | 1723.3 | 1725.1 | 1724.7 | 1722.4 | 1720.1 | 1717.8 | 1715.5 |
| 167.5° | 1738.8 | 1740.8 | 1742.9 | 1742.6 | 1740.0 | 1737.5 | 1734.8 | 1732.2 |
| 170° | 1747.6 | 1749.9 | 1752.2 | 1752.1 | 1749.5 | 1746.9 | 1744.2 | 1741.6 |
| 172.5° | 1754.4 | 1756.6 | 1758.6 | 1758.4 | 1755.8 | 1753.1 | 1750.5 | 1747.9 |
| 175° | 1761.9 | 1764.2 | 1766.6 | 1766.5 | 1763.8 | 1761.2 | 1758.6 | 1756.0 |
| 177.5° | 1765.0 | 1766.7 | 1768.3 | 1768.2 | 1766.3 | 1764.4 | 1762.5 | 1760.7 |
| 180° | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 |

(END OF REPORT)