

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: P333392-927

Luminaire Tested: **S125DIW-S610D1340U927-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333392-927
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-S610D1340U927-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6231.5 lumens
Efficiency: N/A
Efficacy: 115.8 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: Semi-Indirect

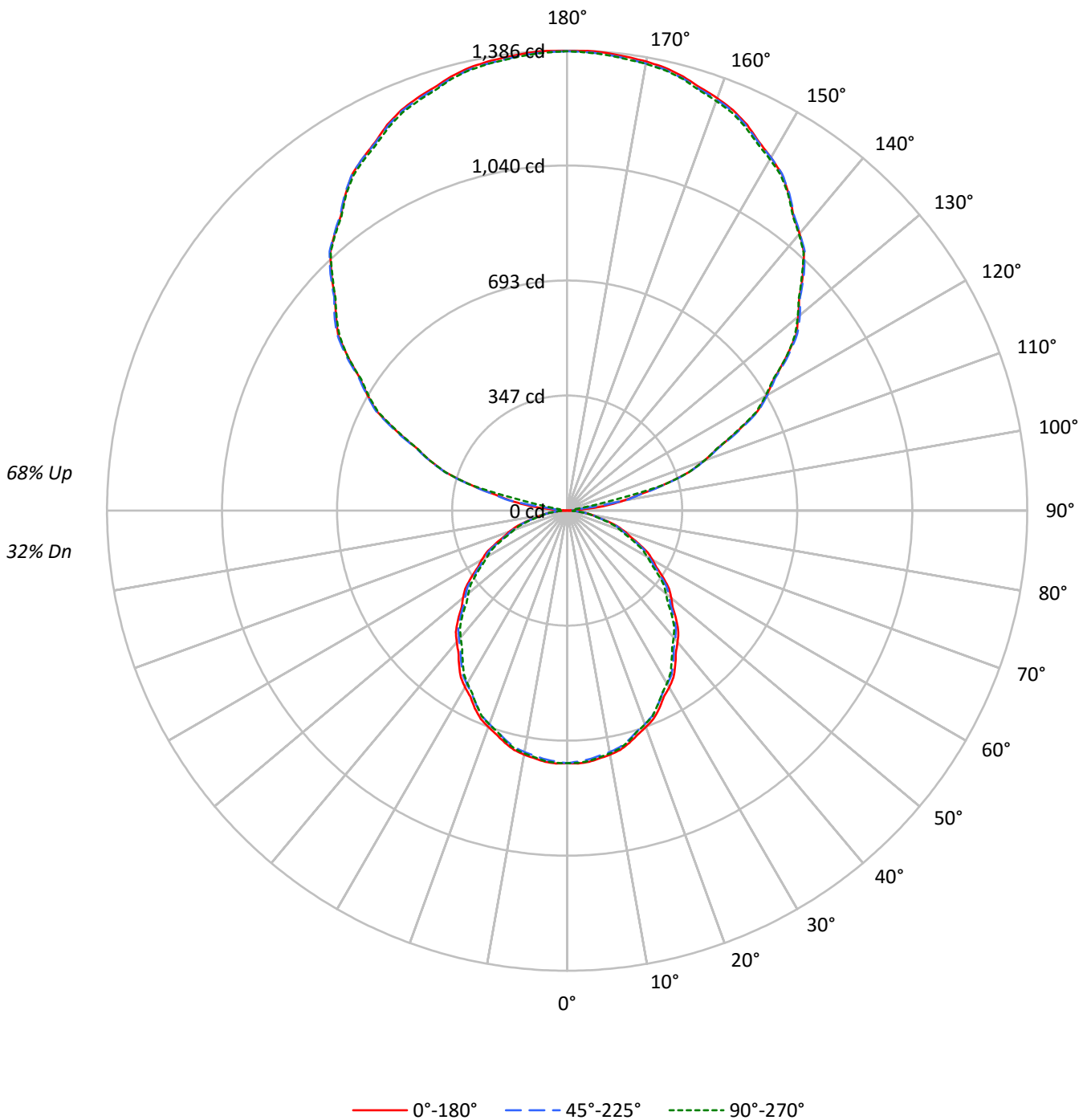
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333392-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333392-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-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 | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 56 | 56 | 56 | 39 | 39 | 39 | 32 |
| 1 | 94 | 89 | 86 | 82 | 84 | 81 | 77 | 75 | 64 | 62 | 60 | 49 | 47 | 46 | 35 | 34 | 33 | 27 |
| 2 | 85 | 78 | 72 | 67 | 76 | 70 | 65 | 61 | 56 | 53 | 49 | 43 | 40 | 38 | 31 | 29 | 28 | 22 |
| 3 | 78 | 69 | 61 | 56 | 70 | 62 | 56 | 51 | 49 | 45 | 42 | 38 | 35 | 32 | 27 | 25 | 24 | 19 |
| 4 | 71 | 61 | 53 | 47 | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 34 | 30 | 28 | 24 | 22 | 20 | 16 |
| 5 | 65 | 54 | 46 | 40 | 58 | 49 | 42 | 37 | 39 | 34 | 30 | 30 | 27 | 24 | 22 | 19 | 18 | 14 |
| 6 | 60 | 48 | 40 | 35 | 54 | 44 | 37 | 32 | 35 | 30 | 26 | 27 | 24 | 21 | 20 | 17 | 16 | 12 |
| 7 | 55 | 43 | 36 | 30 | 50 | 39 | 33 | 28 | 32 | 27 | 23 | 25 | 21 | 18 | 18 | 16 | 14 | 11 |
| 8 | 51 | 39 | 32 | 27 | 46 | 36 | 29 | 24 | 29 | 24 | 20 | 22 | 19 | 16 | 16 | 14 | 12 | 10 |
| 9 | 48 | 36 | 28 | 24 | 43 | 32 | 26 | 22 | 26 | 22 | 18 | 21 | 17 | 15 | 15 | 13 | 11 | 9 |
| 10 | 44 | 33 | 26 | 21 | 40 | 30 | 24 | 19 | 24 | 19 | 16 | 19 | 16 | 13 | 14 | 12 | 10 | 8 |

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: P333392-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.7 | 1.2 |
| 10°-20° | 202.6 | 3.3 |
| 20°-30° | 299.2 | 4.8 |
| 30°-40° | 349.1 | 5.6 |
| 40°-50° | 350.6 | 5.6 |
| 50°-60° | 307.8 | 4.9 |
| 60°-70° | 229.3 | 3.7 |
| 70°-80° | 131.1 | 2.1 |
| 80°-90° | 41.0 | 0.7 |
| 90°-100° | 50.3 | 0.8 |
| 100°-110° | 309.9 | 5.0 |
| 110°-120° | 562.0 | 9.0 |
| 120°-130° | 721.3 | 11.6 |
| 130°-140° | 775.8 | 12.4 |
| 140°-150° | 728.2 | 11.7 |
| 150°-160° | 589.1 | 9.5 |
| 160°-170° | 381.0 | 6.1 |
| 170°-180° | 131.4 | 2.1 |
| 0°-30° | 573.6 | 9.2 |
| 0°-40° | 922.7 | 14.8 |
| 0°-60° | 1581.1 | 25.4 |
| 0°-90° | 1982.6 | 31.8 |
| 90°-120° | 922.2 | 14.8 |
| 90°-150° | 3147.5 | 50.5 |
| 90°-180° | 4249.0 | 68.2 |
| 0°-180° | 6231.5 | 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 | 9 | 16 | 21 | 25 | 4 |
| 95° | 58 | 53 | 16 | 21 | 22 | 75 |
| 105° | 302 | 305 | 306 | 306 | 305 | 320 |
| 115° | 566 | 571 | 572 | 568 | 562 | 561 |
| 125° | 805 | 812 | 812 | 808 | 805 | 719 |
| 135° | 1004 | 1010 | 1008 | 1006 | 1000 | 774 |
| 145° | 1164 | 1166 | 1166 | 1167 | 1161 | 728 |
| 155° | 1282 | 1276 | 1278 | 1280 | 1273 | 590 |
| 165° | 1353 | 1347 | 1348 | 1353 | 1346 | 382 |
| 175° | 1384 | 1378 | 1378 | 1386 | 1377 | 132 |
| 180° | 1384 | 1384 | 1384 | 1384 | 1384 | |



TEST NUMBER: P333392-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-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 | 13.5 | 13.9 | 14.3 | 14.7 | 15.0 | 15.1 | 15.4 | 15.6 | 15.8 | 16.0 |
| 90° | 1.0 | 2.9 | 4.7 | 6.5 | 8.3 | 10.1 | 11.6 | 13.2 | 14.8 | 16.4 | 17.6 |
| 92.5° | 15.8 | 14.5 | 13.2 | 12.0 | 10.7 | 10.8 | 12.2 | 13.5 | 15.0 | 16.4 | 17.6 |
| 95° | 58.5 | 57.8 | 57.1 | 56.4 | 55.7 | 51.0 | 42.4 | 33.7 | 25.0 | 16.4 | 17.6 |
| 97.5° | 122.1 | 123.3 | 124.5 | 125.7 | 127.0 | 119.0 | 101.9 | 84.8 | 67.6 | 50.5 | 44.0 |
| 100° | 171.3 | 172.0 | 172.6 | 173.3 | 174.0 | 174.8 | 175.7 | 176.7 | 177.5 | 178.5 | 144.5 |
| 102.5° | 221.3 | 222.2 | 223.1 | 223.9 | 224.8 | 225.5 | 226.1 | 226.6 | 227.1 | 227.7 | 221.3 |
| 105° | 301.6 | 302.5 | 303.4 | 304.3 | 305.2 | 305.6 | 305.6 | 305.6 | 305.6 | 305.6 | 305.6 |
| 107.5° | 384.8 | 384.8 | 384.8 | 384.8 | 384.8 | 385.1 | 385.6 | 386.0 | 386.4 | 386.9 | 386.9 |
| 110° | 439.0 | 439.0 | 439.0 | 439.0 | 439.0 | 439.2 | 439.7 | 440.1 | 440.6 | 441.0 | 440.4 |



TEST NUMBER: P333392-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 489.9 | 490.4 | 491.0 | 491.5 | 492.0 | 492.5 | 492.7 | 493.0 | 493.3 | 493.5 | 492.7 |
| 115° | 566.2 | 567.3 | 568.5 | 569.6 | 570.8 | 571.4 | 571.6 | 571.9 | 572.1 | 572.4 | 571.4 |
| 117.5° | 645.2 | 645.1 | 645.1 | 645.0 | 645.0 | 645.4 | 646.3 | 647.1 | 648.0 | 648.9 | 647.7 |
| 120° | 694.3 | 694.2 | 694.0 | 693.7 | 693.5 | 693.7 | 694.3 | 695.1 | 695.8 | 696.4 | 696.0 |
| 122.5° | 737.8 | 738.7 | 739.6 | 740.5 | 741.3 | 742.0 | 742.3 | 742.6 | 742.9 | 743.2 | 742.8 |
| 125° | 805.2 | 806.8 | 808.3 | 809.9 | 811.5 | 812.3 | 812.3 | 812.3 | 812.3 | 812.3 | 811.4 |
| 127.5° | 869.3 | 870.5 | 871.6 | 872.7 | 873.9 | 874.4 | 874.3 | 874.2 | 874.0 | 873.9 | 873.4 |
| 130° | 908.7 | 909.9 | 911.0 | 912.2 | 913.3 | 914.0 | 914.3 | 914.4 | 914.7 | 914.9 | 914.3 |
| 132.5° | 948.2 | 949.4 | 950.8 | 952.1 | 953.4 | 953.9 | 953.3 | 952.8 | 952.4 | 951.8 | 951.7 |
| 135° | 1004.2 | 1005.5 | 1006.9 | 1008.2 | 1009.6 | 1010.0 | 1009.6 | 1009.2 | 1008.7 | 1008.2 | 1007.8 |
| 137.5° | 1055.7 | 1056.8 | 1058.0 | 1059.1 | 1060.3 | 1060.7 | 1060.3 | 1059.9 | 1059.5 | 1059.1 | 1059.2 |
| 140° | 1089.3 | 1089.7 | 1090.2 | 1090.6 | 1091.1 | 1091.2 | 1091.0 | 1090.8 | 1090.5 | 1090.3 | 1090.8 |
| 142.5° | 1119.6 | 1119.9 | 1120.1 | 1120.5 | 1120.7 | 1121.0 | 1121.3 | 1121.7 | 1122.0 | 1122.3 | 1122.4 |
| 145° | 1164.1 | 1164.6 | 1165.1 | 1165.5 | 1165.9 | 1166.2 | 1166.2 | 1166.2 | 1166.2 | 1166.2 | 1166.4 |
| 147.5° | 1203.1 | 1203.0 | 1202.9 | 1202.8 | 1202.8 | 1202.8 | 1203.1 | 1203.4 | 1203.6 | 1204.0 | 1204.2 |
| 150° | 1227.7 | 1227.2 | 1226.9 | 1226.4 | 1225.9 | 1225.9 | 1226.4 | 1226.9 | 1227.2 | 1227.7 | 1228.2 |
| 152.5° | 1251.5 | 1250.5 | 1249.5 | 1248.6 | 1247.5 | 1247.2 | 1247.7 | 1248.2 | 1248.6 | 1249.0 | 1249.5 |
| 155° | 1282.1 | 1280.7 | 1279.4 | 1278.0 | 1276.6 | 1276.2 | 1276.6 | 1277.1 | 1277.6 | 1278.0 | 1278.7 |
| 157.5° | 1305.7 | 1304.9 | 1304.0 | 1303.2 | 1302.4 | 1302.0 | 1302.0 | 1302.1 | 1302.2 | 1302.2 | 1302.9 |
| 160° | 1322.1 | 1320.7 | 1319.4 | 1318.0 | 1316.6 | 1316.1 | 1316.3 | 1316.5 | 1316.8 | 1317.0 | 1317.9 |
| 162.5° | 1335.2 | 1333.9 | 1332.5 | 1331.1 | 1329.8 | 1329.2 | 1329.4 | 1329.7 | 1329.8 | 1330.1 | 1331.3 |
| 165° | 1352.9 | 1351.5 | 1350.1 | 1348.8 | 1347.4 | 1346.8 | 1347.0 | 1347.3 | 1347.5 | 1347.7 | 1349.1 |
| 167.5° | 1366.0 | 1364.6 | 1363.2 | 1361.8 | 1360.3 | 1359.8 | 1359.9 | 1360.2 | 1360.4 | 1360.7 | 1362.3 |
| 170° | 1373.4 | 1371.8 | 1370.2 | 1368.6 | 1367.0 | 1366.3 | 1366.5 | 1366.8 | 1367.0 | 1367.2 | 1369.0 |
| 172.5° | 1378.3 | 1376.7 | 1375.1 | 1373.5 | 1371.9 | 1371.3 | 1371.7 | 1372.1 | 1372.5 | 1372.9 | 1374.6 |
| 175° | 1383.6 | 1382.3 | 1380.9 | 1379.5 | 1378.2 | 1377.6 | 1377.8 | 1378.1 | 1378.3 | 1378.5 | 1380.3 |
| 177.5° | 1386.1 | 1385.0 | 1383.9 | 1382.8 | 1381.7 | 1381.2 | 1381.5 | 1381.6 | 1381.8 | 1382.0 | 1383.3 |
| 180° | 1383.6 | 1383.6 | 1383.6 | 1383.6 | 1383.6 | 1383.6 | 1383.6 | 1383.6 | 1383.6 | 1383.6 | 1383.6 |

TEST NUMBER: P333392-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-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° | 16.2 | 16.5 | 16.7 | 16.8 | 16.7 | 16.6 | 16.6 | 16.5 |
| 90° | 18.7 | 19.8 | 21.0 | 21.9 | 22.6 | 23.2 | 23.9 | 24.6 |
| 92.5° | 18.7 | 19.8 | 21.0 | 21.7 | 22.0 | 22.3 | 22.7 | 23.0 |
| 95° | 18.7 | 19.8 | 21.0 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 |
| 97.5° | 37.6 | 31.2 | 24.7 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 |
| 100° | 110.5 | 76.6 | 42.6 | 25.2 | 24.2 | 23.4 | 22.4 | 21.5 |
| 102.5° | 214.8 | 208.4 | 202.0 | 191.0 | 175.5 | 160.0 | 144.5 | 129.0 |
| 105° | 305.6 | 305.6 | 305.6 | 305.5 | 305.3 | 305.1 | 304.8 | 304.6 |
| 107.5° | 387.0 | 387.1 | 387.1 | 386.7 | 386.0 | 385.4 | 384.7 | 384.0 |
| 110° | 439.7 | 439.0 | 438.3 | 438.1 | 438.3 | 438.6 | 438.8 | 439.0 |



TEST NUMBER: P333392-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 491.8 | 491.0 | 490.1 | 489.5 | 489.2 | 488.9 | 488.5 | 488.2 |
| 115° | 570.5 | 569.6 | 568.7 | 567.5 | 566.2 | 564.8 | 563.4 | 562.1 |
| 117.5° | 646.5 | 645.3 | 644.1 | 643.2 | 642.6 | 642.1 | 641.4 | 640.9 |
| 120° | 695.5 | 695.1 | 694.6 | 693.8 | 692.7 | 691.5 | 690.4 | 689.3 |
| 122.5° | 742.3 | 741.8 | 741.4 | 740.5 | 739.2 | 737.8 | 736.5 | 735.2 |
| 125° | 810.5 | 809.6 | 808.7 | 807.9 | 807.2 | 806.5 | 805.8 | 805.2 |
| 127.5° | 872.9 | 872.4 | 871.9 | 870.8 | 869.1 | 867.4 | 865.7 | 864.0 |
| 130° | 913.5 | 912.8 | 912.2 | 911.2 | 910.1 | 908.9 | 907.8 | 906.7 |
| 132.5° | 951.6 | 951.4 | 951.3 | 950.6 | 949.5 | 948.4 | 947.2 | 946.1 |
| 135° | 1007.3 | 1006.9 | 1006.4 | 1005.5 | 1004.2 | 1002.7 | 1001.4 | 1000.1 |
| 137.5° | 1059.3 | 1059.4 | 1059.5 | 1058.9 | 1057.7 | 1056.5 | 1055.3 | 1054.2 |
| 140° | 1091.2 | 1091.6 | 1092.1 | 1091.6 | 1090.3 | 1088.9 | 1087.6 | 1086.2 |
| 142.5° | 1122.4 | 1122.6 | 1122.7 | 1122.0 | 1120.6 | 1119.3 | 1117.9 | 1116.6 |
| 145° | 1166.6 | 1166.9 | 1167.1 | 1166.6 | 1165.1 | 1163.8 | 1162.4 | 1161.1 |
| 147.5° | 1204.5 | 1204.8 | 1205.1 | 1204.4 | 1202.7 | 1201.0 | 1199.4 | 1197.8 |
| 150° | 1228.7 | 1229.1 | 1229.5 | 1228.8 | 1227.0 | 1225.2 | 1223.4 | 1221.5 |
| 152.5° | 1250.0 | 1250.5 | 1250.9 | 1250.3 | 1248.6 | 1247.1 | 1245.4 | 1243.7 |
| 155° | 1279.4 | 1280.0 | 1280.7 | 1280.2 | 1278.3 | 1276.5 | 1274.7 | 1272.9 |
| 157.5° | 1303.7 | 1304.4 | 1305.1 | 1304.6 | 1302.7 | 1300.9 | 1299.1 | 1297.3 |
| 160° | 1318.8 | 1319.7 | 1320.6 | 1320.2 | 1318.3 | 1316.5 | 1314.7 | 1312.9 |
| 162.5° | 1332.6 | 1334.0 | 1335.2 | 1334.8 | 1332.8 | 1330.8 | 1328.8 | 1326.8 |
| 165° | 1350.4 | 1351.9 | 1353.2 | 1353.0 | 1351.1 | 1349.3 | 1347.5 | 1345.7 |
| 167.5° | 1364.0 | 1365.6 | 1367.2 | 1367.0 | 1364.9 | 1362.9 | 1360.9 | 1358.8 |
| 170° | 1370.9 | 1372.7 | 1374.5 | 1374.4 | 1372.4 | 1370.3 | 1368.3 | 1366.2 |
| 172.5° | 1376.3 | 1377.9 | 1379.5 | 1379.3 | 1377.3 | 1375.2 | 1373.2 | 1371.1 |
| 175° | 1382.1 | 1383.9 | 1385.8 | 1385.7 | 1383.6 | 1381.6 | 1379.5 | 1377.4 |
| 177.5° | 1384.6 | 1385.8 | 1387.1 | 1387.0 | 1385.5 | 1384.1 | 1382.6 | 1381.2 |
| 180° | 1383.6 | 1383.6 | 1383.6 | 1383.6 | 1383.6 | 1383.6 | 1383.6 | 1383.6 |

(END OF REPORT)