

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: P333671-935

Luminaire Tested: **S125RDIW-S610D1050U935-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333671-935
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: S125RDIW-S610D1050U935-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5176.9 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Indirect

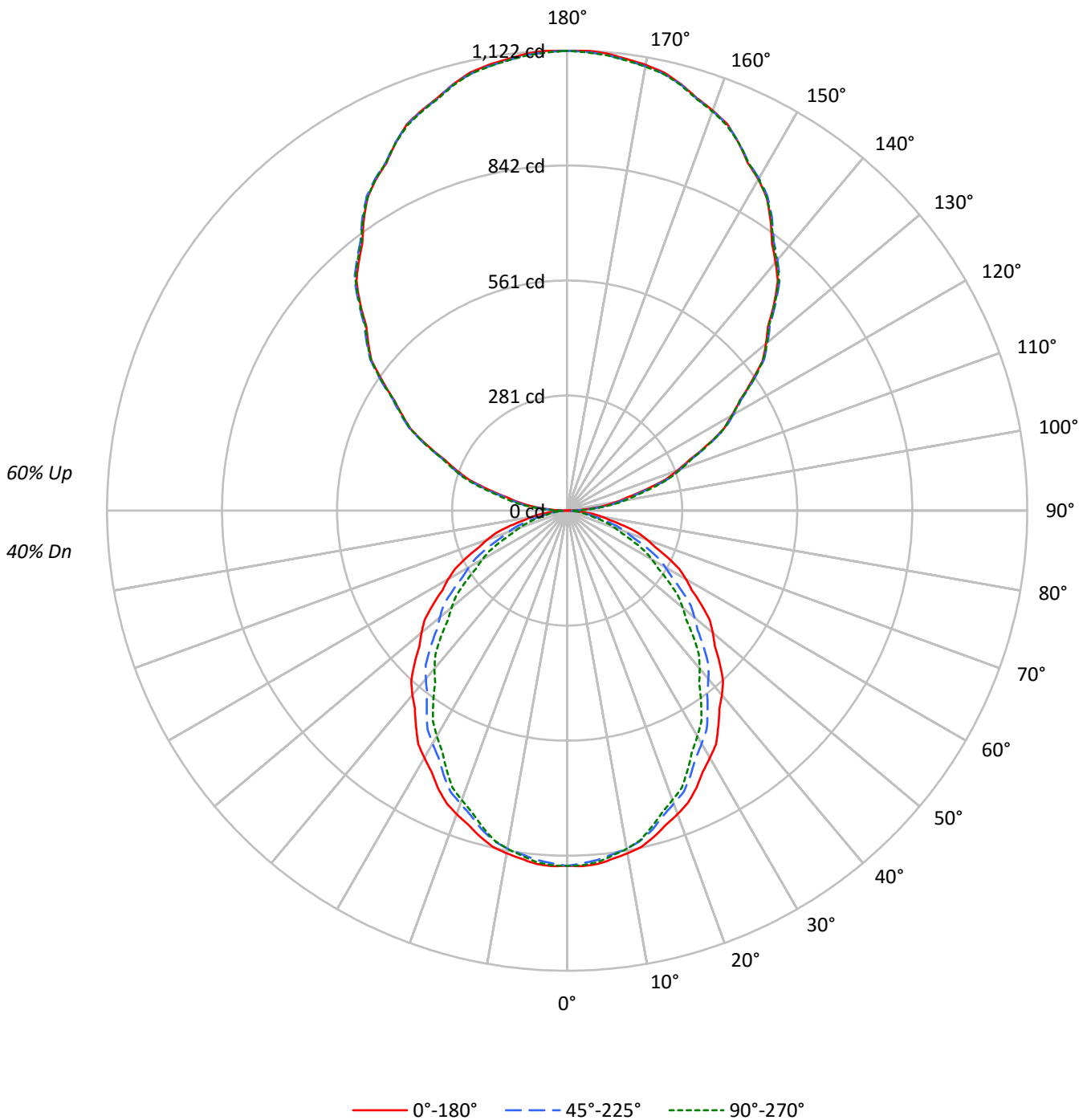
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333671-935

CATALOG NUMBER: S125RDIW-S610D1050U935-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333671-935

CATALOG NUMBER: S125RDIW-S610D1050U935-4F0-1E-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 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 61 | 61 | 61 | 47 | 47 | 47 | 40 |
| 1 | 96 | 91 | 88 | 84 | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 54 | 53 | 51 | 41 | 40 | 40 | 34 |
| 2 | 87 | 80 | 74 | 69 | 79 | 73 | 68 | 64 | 60 | 56 | 53 | 48 | 45 | 43 | 37 | 35 | 34 | 28 |
| 3 | 80 | 70 | 63 | 58 | 72 | 64 | 58 | 53 | 53 | 48 | 45 | 42 | 39 | 37 | 33 | 31 | 29 | 24 |
| 4 | 73 | 62 | 55 | 49 | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 34 | 31 | 29 | 27 | 25 | 21 |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 34 | 30 | 27 | 26 | 24 | 22 | 18 |
| 6 | 62 | 50 | 42 | 36 | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 21 | 19 | 16 |
| 7 | 57 | 45 | 37 | 32 | 52 | 41 | 34 | 30 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 14 |
| 8 | 53 | 41 | 33 | 28 | 48 | 38 | 31 | 26 | 31 | 26 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 13 |
| 9 | 49 | 37 | 30 | 25 | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 23 | 20 | 17 | 19 | 16 | 14 | 12 |
| 10 | 46 | 34 | 27 | 22 | 42 | 31 | 25 | 21 | 26 | 22 | 18 | 22 | 18 | 15 | 17 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5594 | 5594 | 5594 |
| 5° | 5607 | 5543 | 5577 |
| 10° | 5564 | 5491 | 5491 |
| 15° | 5498 | 5380 | 5336 |
| 20° | 5413 | 5225 | 5161 |
| 25° | 5315 | 5072 | 4960 |
| 30° | 5190 | 4894 | 4737 |
| 35° | 5065 | 4709 | 4487 |
| 40° | 4947 | 4517 | 4242 |
| 45° | 4804 | 4302 | 3974 |
| 50° | 4660 | 4068 | 3693 |
| 55° | 4494 | 3845 | 3396 |
| 60° | 4326 | 3574 | 3077 |
| 65° | 4129 | 3260 | 2709 |
| 70° | 3903 | 2866 | 2334 |
| 75° | 3593 | 2415 | 1941 |
| 80° | 3165 | 1901 | 1629 |
| 85° | 2668 | 1549 | 1452 |



TEST NUMBER: P333671-935

CATALOG NUMBER: S125RDIW-S610D1050U935-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 81.4 | 1.6 |
| 10°-20° | 227.6 | 4.4 |
| 20°-30° | 330.1 | 6.4 |
| 30°-40° | 376.2 | 7.3 |
| 40°-50° | 366.7 | 7.1 |
| 50°-60° | 308.6 | 6.0 |
| 60°-70° | 216.4 | 4.2 |
| 70°-80° | 111.2 | 2.1 |
| 80°-90° | 30.5 | 0.6 |
| 90°-100° | 75.1 | 1.5 |
| 100°-110° | 221.7 | 4.3 |
| 110°-120° | 375.6 | 7.3 |
| 120°-130° | 494.3 | 9.5 |
| 130°-140° | 553.8 | 10.7 |
| 140°-150° | 542.8 | 10.5 |
| 150°-160° | 455.9 | 8.8 |
| 160°-170° | 303.0 | 5.9 |
| 170°-180° | 106.1 | 2.0 |
| 0°-30° | 639.1 | 12.3 |
| 0°-40° | 1015.3 | 19.6 |
| 0°-60° | 1690.5 | 32.7 |
| 0°-90° | 2048.6 | 39.6 |
| 90°-120° | 672.4 | 13.0 |
| 90°-150° | 2263.2 | 43.7 |
| 90°-180° | 3128.0 | 60.4 |
| 0°-180° | 5176.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 866 | 866 | 866 | 866 | 866 | |
| 5° | 865 | 862 | 855 | 861 | 860 | 82 |
| 15° | 822 | 818 | 805 | 804 | 798 | 232 |
| 25° | 746 | 735 | 712 | 703 | 696 | 343 |
| 35° | 642 | 626 | 597 | 579 | 569 | 402 |
| 45° | 526 | 506 | 471 | 446 | 435 | 406 |
| 55° | 399 | 377 | 342 | 313 | 302 | 357 |
| 65° | 270 | 247 | 213 | 188 | 177 | 268 |
| 75° | 144 | 124 | 97 | 83 | 78 | 152 |
| 85° | 36 | 25 | 21 | 20 | 20 | 40 |
| 90° | 1 | 8 | 14 | 18 | 21 | 5 |
| 95° | 57 | 59 | 67 | 73 | 75 | 61 |
| 105° | 199 | 203 | 208 | 214 | 216 | 212 |
| 115° | 376 | 379 | 381 | 380 | 380 | 372 |
| 125° | 549 | 554 | 555 | 553 | 552 | 491 |
| 135° | 714 | 719 | 720 | 720 | 716 | 550 |
| 145° | 864 | 868 | 871 | 870 | 868 | 540 |
| 155° | 989 | 989 | 990 | 993 | 989 | 455 |
| 165° | 1076 | 1074 | 1075 | 1078 | 1073 | 303 |
| 175° | 1118 | 1115 | 1115 | 1120 | 1114 | 106 |
| 180° | 1121 | 1121 | 1121 | 1121 | 1121 | |



TEST NUMBER: P333671-935

CATALOG NUMBER: S125RDIW-S610D1050U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 866.2 | 866.2 | 866.2 | 866.2 | 866.2 | 866.2 | 866.2 | 866.2 | 866.2 | 866.2 | 866.2 |
| 2.5° | 867.7 | 867.4 | 867.0 | 866.7 | 866.3 | 865.6 | 864.4 | 863.2 | 862.0 | 860.9 | 862.0 |
| 5° | 864.8 | 864.3 | 863.7 | 863.1 | 862.5 | 861.4 | 859.8 | 858.2 | 856.6 | 855.0 | 856.4 |
| 7.5° | 856.4 | 855.7 | 855.2 | 854.6 | 854.1 | 852.9 | 850.9 | 849.0 | 847.1 | 845.2 | 846.2 |
| 10° | 848.4 | 848.0 | 847.6 | 847.1 | 846.7 | 845.5 | 843.4 | 841.5 | 839.4 | 837.3 | 837.8 |
| 12.5° | 839.6 | 839.0 | 838.4 | 837.9 | 837.3 | 835.7 | 833.0 | 830.3 | 827.5 | 824.8 | 825.1 |
| 15° | 822.3 | 821.4 | 820.5 | 819.7 | 818.8 | 816.8 | 813.8 | 810.7 | 807.7 | 804.6 | 804.5 |
| 17.5° | 802.8 | 801.5 | 800.1 | 798.8 | 797.5 | 794.9 | 791.0 | 787.2 | 783.3 | 779.5 | 778.8 |
| 20° | 787.6 | 786.2 | 784.7 | 783.3 | 781.8 | 778.8 | 774.1 | 769.5 | 764.8 | 760.2 | 759.4 |
| 22.5° | 770.9 | 769.4 | 768.0 | 766.5 | 765.1 | 761.9 | 757.0 | 752.2 | 747.3 | 742.4 | 741.0 |
| 25° | 745.8 | 743.6 | 741.4 | 739.3 | 737.0 | 733.2 | 727.9 | 722.5 | 717.1 | 711.7 | 709.9 |
| 27.5° | 717.0 | 714.4 | 711.7 | 709.0 | 706.4 | 702.2 | 696.5 | 690.7 | 684.9 | 679.2 | 676.5 |
| 30° | 696.0 | 693.3 | 690.5 | 687.8 | 685.0 | 680.5 | 674.4 | 668.4 | 662.3 | 656.2 | 652.8 |
| 32.5° | 675.6 | 672.4 | 669.2 | 666.0 | 662.7 | 658.0 | 651.8 | 645.6 | 639.3 | 633.1 | 629.4 |
| 35° | 642.4 | 638.9 | 635.4 | 632.0 | 628.4 | 623.5 | 616.9 | 610.4 | 603.8 | 597.3 | 593.1 |
| 37.5° | 609.8 | 605.5 | 601.3 | 597.1 | 592.9 | 587.4 | 580.6 | 573.9 | 567.1 | 560.3 | 555.3 |
| 40° | 586.8 | 582.5 | 578.1 | 573.7 | 569.4 | 563.7 | 556.7 | 549.7 | 542.8 | 535.8 | 530.3 |
| 42.5° | 562.7 | 558.3 | 553.8 | 549.3 | 544.8 | 539.0 | 531.8 | 524.5 | 517.4 | 510.1 | 504.8 |
| 45° | 526.0 | 521.8 | 517.5 | 513.3 | 509.1 | 503.0 | 495.0 | 487.0 | 479.0 | 471.0 | 465.2 |
| 47.5° | 487.9 | 483.5 | 479.0 | 474.6 | 470.1 | 463.8 | 455.8 | 447.7 | 439.7 | 431.6 | 425.7 |
| 50° | 463.8 | 459.0 | 454.2 | 449.4 | 444.6 | 438.1 | 429.8 | 421.5 | 413.2 | 404.9 | 398.8 |
| 52.5° | 437.6 | 432.7 | 427.8 | 422.9 | 418.0 | 411.6 | 403.8 | 396.0 | 388.1 | 380.3 | 373.8 |
| 55° | 399.1 | 394.4 | 389.8 | 385.1 | 380.5 | 374.0 | 365.9 | 357.7 | 349.7 | 341.5 | 334.9 |
| 57.5° | 360.1 | 355.1 | 350.1 | 345.2 | 340.2 | 333.7 | 325.9 | 318.1 | 310.2 | 302.4 | 295.9 |
| 60° | 334.9 | 329.8 | 324.8 | 319.7 | 314.6 | 308.2 | 300.2 | 292.4 | 284.6 | 276.7 | 270.4 |
| 62.5° | 308.2 | 303.4 | 298.5 | 293.7 | 288.9 | 282.4 | 274.5 | 266.5 | 258.6 | 250.6 | 244.6 |
| 65° | 270.2 | 265.3 | 260.3 | 255.4 | 250.4 | 244.1 | 236.3 | 228.7 | 220.9 | 213.3 | 207.4 |
| 67.5° | 232.4 | 227.4 | 222.5 | 217.6 | 212.6 | 206.5 | 199.1 | 191.7 | 184.3 | 176.8 | 171.6 |
| 70° | 206.7 | 201.8 | 196.8 | 191.9 | 186.9 | 180.8 | 173.6 | 166.3 | 159.0 | 151.8 | 147.2 |
| 72.5° | 181.6 | 176.8 | 171.9 | 167.1 | 162.3 | 156.4 | 149.6 | 142.8 | 136.0 | 129.2 | 125.1 |
| 75° | 144.0 | 139.6 | 135.2 | 130.9 | 126.5 | 121.2 | 115.1 | 109.0 | 102.9 | 96.8 | 93.6 |
| 77.5° | 106.5 | 103.0 | 99.5 | 96.0 | 92.6 | 88.3 | 83.4 | 78.6 | 73.7 | 68.8 | 66.6 |
| 80° | 85.1 | 81.5 | 78.1 | 74.6 | 71.1 | 67.3 | 63.2 | 59.2 | 55.1 | 51.1 | 49.7 |
| 82.5° | 64.1 | 61.0 | 57.9 | 54.7 | 51.6 | 48.6 | 45.8 | 43.0 | 40.2 | 37.5 | 36.9 |
| 85° | 36.0 | 33.3 | 30.7 | 28.2 | 25.5 | 23.8 | 23.1 | 22.4 | 21.7 | 20.9 | 20.8 |
| 87.5° | 12.2 | 11.7 | 11.2 | 10.7 | 10.2 | 10.0 | 10.2 | 10.3 | 10.5 | 10.7 | 10.8 |
| 90° | 0.9 | 2.4 | 4.0 | 5.5 | 7.1 | 8.5 | 9.9 | 11.3 | 12.6 | 13.9 | 14.9 |
| 92.5° | 21.1 | 22.2 | 23.2 | 24.4 | 25.5 | 26.9 | 28.5 | 30.1 | 31.9 | 33.5 | 34.8 |
| 95° | 56.7 | 57.1 | 57.5 | 57.9 | 58.3 | 59.4 | 61.4 | 63.3 | 65.3 | 67.2 | 68.5 |
| 97.5° | 94.2 | 94.4 | 94.5 | 94.7 | 94.9 | 96.3 | 98.9 | 101.6 | 104.3 | 106.9 | 108.2 |
| 100° | 122.2 | 122.2 | 122.2 | 122.2 | 122.2 | 123.4 | 125.9 | 128.5 | 131.0 | 133.5 | 135.3 |
| 102.5° | 152.1 | 152.9 | 153.7 | 154.5 | 155.2 | 156.3 | 157.6 | 158.9 | 160.1 | 161.4 | 163.3 |
| 105° | 198.9 | 199.8 | 200.9 | 201.8 | 202.8 | 203.9 | 205.0 | 206.2 | 207.3 | 208.5 | 209.7 |
| 107.5° | 250.6 | 251.5 | 252.5 | 253.5 | 254.4 | 255.4 | 256.2 | 257.2 | 258.0 | 258.9 | 259.5 |
| 110° | 286.1 | 287.1 | 288.1 | 289.0 | 290.1 | 290.8 | 291.4 | 292.0 | 292.6 | 293.2 | 293.7 |



TEST NUMBER: P333671-935

CATALOG NUMBER: S125RDIW-S610D1050U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 322.4 | 323.0 | 323.5 | 324.0 | 324.4 | 325.1 | 325.8 | 326.6 | 327.3 | 328.0 | 328.3 |
| 115° | 376.0 | 376.8 | 377.5 | 378.3 | 379.1 | 379.7 | 380.0 | 380.5 | 380.8 | 381.3 | 381.1 |
| 117.5° | 429.7 | 430.1 | 430.4 | 430.8 | 431.2 | 431.5 | 431.9 | 432.2 | 432.6 | 432.9 | 433.1 |
| 120° | 463.2 | 464.3 | 465.2 | 466.1 | 467.1 | 467.7 | 467.9 | 468.1 | 468.3 | 468.5 | 468.5 |
| 122.5° | 499.6 | 499.9 | 500.2 | 500.6 | 500.9 | 501.4 | 501.9 | 502.4 | 502.9 | 503.4 | 503.3 |
| 125° | 548.7 | 549.9 | 551.0 | 552.2 | 553.4 | 554.1 | 554.3 | 554.5 | 554.7 | 554.8 | 554.5 |
| 127.5° | 601.1 | 601.8 | 602.4 | 603.0 | 603.7 | 604.2 | 604.4 | 604.7 | 604.9 | 605.1 | 604.9 |
| 130° | 632.5 | 633.4 | 634.5 | 635.4 | 636.4 | 637.1 | 637.5 | 637.8 | 638.3 | 638.6 | 638.4 |
| 132.5° | 663.9 | 665.5 | 667.1 | 668.7 | 670.3 | 671.1 | 671.0 | 670.9 | 670.8 | 670.7 | 670.5 |
| 135° | 713.6 | 714.8 | 715.9 | 717.1 | 718.3 | 718.9 | 719.2 | 719.4 | 719.5 | 719.7 | 719.7 |
| 137.5° | 760.4 | 761.6 | 762.7 | 763.8 | 764.9 | 765.7 | 766.1 | 766.5 | 767.0 | 767.4 | 767.6 |
| 140° | 790.4 | 791.3 | 792.4 | 793.3 | 794.3 | 795.0 | 795.7 | 796.3 | 796.8 | 797.4 | 797.8 |
| 142.5° | 820.4 | 821.2 | 822.1 | 822.9 | 823.7 | 824.5 | 825.2 | 826.0 | 826.6 | 827.4 | 827.6 |
| 145° | 864.5 | 865.3 | 866.1 | 866.9 | 867.6 | 868.3 | 868.9 | 869.5 | 870.1 | 870.6 | 870.6 |
| 147.5° | 905.4 | 905.9 | 906.3 | 906.6 | 907.1 | 907.6 | 908.0 | 908.4 | 909.0 | 909.4 | 909.9 |
| 150° | 932.6 | 932.5 | 932.2 | 932.0 | 931.9 | 932.1 | 932.9 | 933.7 | 934.4 | 935.2 | 935.2 |
| 152.5° | 954.9 | 955.2 | 955.5 | 955.8 | 956.1 | 956.3 | 956.7 | 956.9 | 957.3 | 957.6 | 958.0 |
| 155° | 989.3 | 989.3 | 989.3 | 989.3 | 989.3 | 989.4 | 989.6 | 989.8 | 990.0 | 990.2 | 991.0 |
| 157.5° | 1020.0 | 1019.6 | 1019.2 | 1018.7 | 1018.3 | 1018.2 | 1018.4 | 1018.6 | 1018.8 | 1019.0 | 1019.8 |
| 160° | 1038.2 | 1037.6 | 1037.0 | 1036.5 | 1035.9 | 1035.7 | 1035.9 | 1036.0 | 1036.2 | 1036.5 | 1037.2 |
| 162.5° | 1054.2 | 1053.8 | 1053.3 | 1052.9 | 1052.5 | 1052.3 | 1052.4 | 1052.4 | 1052.5 | 1052.5 | 1053.4 |
| 165° | 1075.7 | 1075.3 | 1074.9 | 1074.5 | 1074.1 | 1074.0 | 1074.3 | 1074.4 | 1074.6 | 1074.8 | 1075.6 |
| 167.5° | 1093.8 | 1093.0 | 1092.3 | 1091.5 | 1090.7 | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1091.5 |
| 170° | 1103.6 | 1102.9 | 1102.1 | 1101.3 | 1100.5 | 1100.1 | 1100.1 | 1100.1 | 1100.1 | 1100.1 | 1101.3 |
| 172.5° | 1110.6 | 1109.8 | 1109.1 | 1108.3 | 1107.5 | 1107.1 | 1107.1 | 1107.1 | 1107.1 | 1107.1 | 1108.3 |
| 175° | 1118.4 | 1117.7 | 1116.9 | 1116.1 | 1115.3 | 1114.9 | 1114.9 | 1114.9 | 1114.9 | 1114.9 | 1116.1 |
| 177.5° | 1122.5 | 1121.8 | 1121.2 | 1120.6 | 1120.0 | 1119.6 | 1119.4 | 1119.3 | 1119.1 | 1119.0 | 1119.9 |
| 180° | 1121.0 | 1121.0 | 1121.0 | 1121.0 | 1121.0 | 1121.0 | 1121.0 | 1121.0 | 1121.0 | 1121.0 | 1121.0 |



TEST NUMBER: P333671-935

CATALOG NUMBER: S125RDIW-S610D1050U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 866.2 | 866.2 | 866.2 | 866.2 | 866.2 | 866.2 | 866.2 | 866.2 |
| 2.5° | 863.2 | 864.4 | 865.6 | 866.1 | 866.0 | 865.8 | 865.7 | 865.6 |
| 5° | 857.9 | 859.4 | 860.8 | 861.4 | 861.1 | 860.8 | 860.6 | 860.2 |
| 7.5° | 847.2 | 848.3 | 849.3 | 849.6 | 849.3 | 848.9 | 848.7 | 848.3 |
| 10° | 838.2 | 838.6 | 839.1 | 839.1 | 838.6 | 838.2 | 837.8 | 837.3 |
| 12.5° | 825.4 | 825.8 | 826.0 | 825.9 | 825.2 | 824.6 | 823.9 | 823.2 |
| 15° | 804.3 | 804.2 | 804.1 | 803.3 | 802.0 | 800.7 | 799.4 | 798.1 |
| 17.5° | 778.1 | 777.3 | 776.6 | 775.7 | 774.6 | 773.5 | 772.5 | 771.4 |
| 20° | 758.7 | 757.9 | 757.2 | 756.2 | 754.9 | 753.6 | 752.3 | 751.0 |
| 22.5° | 739.5 | 738.0 | 736.7 | 735.4 | 734.3 | 733.2 | 732.2 | 731.1 |
| 25° | 708.0 | 706.1 | 704.2 | 702.4 | 700.9 | 699.2 | 697.7 | 696.0 |
| 27.5° | 673.9 | 671.2 | 668.6 | 666.5 | 665.0 | 663.4 | 661.9 | 660.3 |
| 30° | 649.5 | 646.1 | 642.7 | 640.4 | 639.1 | 637.8 | 636.5 | 635.2 |
| 32.5° | 625.7 | 622.1 | 618.4 | 615.7 | 614.0 | 612.3 | 610.7 | 609.1 |
| 35° | 588.8 | 584.6 | 580.4 | 577.3 | 575.2 | 573.2 | 571.2 | 569.1 |
| 37.5° | 550.3 | 545.2 | 540.1 | 536.6 | 534.6 | 532.7 | 530.7 | 528.7 |
| 40° | 524.7 | 519.2 | 513.7 | 510.1 | 508.3 | 506.5 | 504.8 | 503.1 |
| 42.5° | 499.6 | 494.2 | 489.0 | 485.0 | 482.5 | 479.9 | 477.3 | 474.8 |
| 45° | 459.3 | 453.6 | 447.7 | 443.8 | 441.6 | 439.4 | 437.2 | 435.1 |
| 47.5° | 419.7 | 413.6 | 407.7 | 403.5 | 401.1 | 398.6 | 396.2 | 393.8 |
| 50° | 392.7 | 386.6 | 380.5 | 376.3 | 374.2 | 372.0 | 369.8 | 367.6 |
| 52.5° | 367.2 | 360.6 | 354.0 | 349.7 | 347.5 | 345.3 | 343.1 | 341.0 |
| 55° | 328.4 | 321.8 | 315.3 | 310.9 | 308.6 | 306.3 | 303.9 | 301.6 |
| 57.5° | 289.6 | 283.2 | 276.8 | 272.5 | 270.4 | 268.4 | 266.4 | 264.3 |
| 60° | 263.9 | 257.5 | 251.2 | 246.8 | 244.7 | 242.5 | 240.3 | 238.2 |
| 62.5° | 238.7 | 232.7 | 226.8 | 222.7 | 220.6 | 218.4 | 216.2 | 214.0 |
| 65° | 201.6 | 195.8 | 190.0 | 186.0 | 183.8 | 181.7 | 179.4 | 177.3 |
| 67.5° | 166.3 | 160.9 | 155.6 | 152.1 | 150.3 | 148.6 | 146.8 | 145.1 |
| 70° | 142.8 | 138.3 | 133.7 | 130.6 | 128.9 | 127.2 | 125.4 | 123.6 |
| 72.5° | 121.0 | 116.8 | 112.6 | 109.9 | 108.8 | 107.6 | 106.5 | 105.3 |
| 75° | 90.4 | 87.2 | 84.0 | 81.9 | 80.9 | 79.9 | 78.9 | 77.8 |
| 77.5° | 64.3 | 62.1 | 59.8 | 58.4 | 57.6 | 56.8 | 56.1 | 55.4 |
| 80° | 48.4 | 47.1 | 45.8 | 45.0 | 44.7 | 44.4 | 44.1 | 43.8 |
| 82.5° | 36.2 | 35.6 | 35.0 | 34.6 | 34.4 | 34.3 | 34.1 | 33.9 |
| 85° | 20.7 | 20.5 | 20.3 | 20.2 | 20.1 | 19.9 | 19.8 | 19.6 |
| 87.5° | 11.0 | 11.2 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| 90° | 15.9 | 16.9 | 17.8 | 18.6 | 19.2 | 19.8 | 20.3 | 20.9 |
| 92.5° | 36.1 | 37.4 | 38.7 | 39.4 | 39.9 | 40.3 | 40.7 | 41.2 |
| 95° | 69.9 | 71.2 | 72.6 | 73.4 | 73.9 | 74.2 | 74.6 | 75.0 |
| 97.5° | 109.5 | 110.8 | 112.1 | 112.8 | 113.0 | 113.3 | 113.6 | 113.7 |
| 100° | 137.0 | 138.7 | 140.4 | 141.5 | 141.9 | 142.3 | 142.7 | 143.1 |
| 102.5° | 165.2 | 167.1 | 169.0 | 170.2 | 170.7 | 171.3 | 171.9 | 172.4 |
| 105° | 210.9 | 212.0 | 213.2 | 214.0 | 214.6 | 215.2 | 215.8 | 216.4 |
| 107.5° | 260.1 | 260.7 | 261.2 | 261.6 | 261.5 | 261.5 | 261.4 | 261.4 |
| 110° | 294.3 | 294.9 | 295.5 | 295.7 | 295.5 | 295.2 | 295.1 | 294.9 |



TEST NUMBER: P333671-935

CATALOG NUMBER: S125RDIW-S610D1050U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 328.6 | 328.8 | 329.1 | 329.1 | 328.7 | 328.4 | 328.0 | 327.7 |
| 115° | 380.8 | 380.6 | 380.5 | 380.3 | 380.0 | 379.9 | 379.7 | 379.5 |
| 117.5° | 433.2 | 433.3 | 433.5 | 433.2 | 432.4 | 431.6 | 430.8 | 430.1 |
| 120° | 468.5 | 468.5 | 468.5 | 468.1 | 467.4 | 466.6 | 465.8 | 465.0 |
| 122.5° | 503.1 | 502.9 | 502.7 | 502.4 | 501.8 | 501.1 | 500.5 | 499.9 |
| 125° | 554.1 | 553.7 | 553.3 | 553.0 | 552.8 | 552.6 | 552.4 | 552.2 |
| 127.5° | 604.7 | 604.5 | 604.3 | 604.1 | 603.6 | 603.3 | 602.9 | 602.5 |
| 130° | 638.3 | 638.0 | 637.8 | 637.6 | 637.1 | 636.8 | 636.4 | 636.0 |
| 132.5° | 670.3 | 670.1 | 669.9 | 669.6 | 669.0 | 668.5 | 668.0 | 667.4 |
| 135° | 719.7 | 719.7 | 719.7 | 719.4 | 718.6 | 717.8 | 717.0 | 716.3 |
| 137.5° | 767.8 | 768.1 | 768.3 | 767.9 | 767.0 | 766.0 | 765.0 | 764.1 |
| 140° | 798.1 | 798.6 | 798.9 | 798.7 | 797.7 | 796.7 | 795.7 | 794.8 |
| 142.5° | 827.9 | 828.1 | 828.4 | 827.9 | 827.0 | 826.0 | 825.1 | 824.1 |
| 145° | 870.6 | 870.6 | 870.6 | 870.4 | 869.8 | 869.2 | 868.7 | 868.1 |
| 147.5° | 910.3 | 910.8 | 911.3 | 910.9 | 909.6 | 908.2 | 906.9 | 905.6 |
| 150° | 935.2 | 935.2 | 935.2 | 935.0 | 934.6 | 934.3 | 933.8 | 933.5 |
| 152.5° | 958.5 | 959.0 | 959.4 | 959.3 | 958.6 | 957.9 | 957.2 | 956.5 |
| 155° | 991.8 | 992.6 | 993.3 | 993.2 | 992.2 | 991.3 | 990.3 | 989.3 |
| 157.5° | 1020.5 | 1021.3 | 1022.1 | 1021.8 | 1020.5 | 1019.3 | 1018.0 | 1016.8 |
| 160° | 1038.0 | 1038.8 | 1039.6 | 1039.4 | 1038.5 | 1037.5 | 1036.6 | 1035.5 |
| 162.5° | 1054.4 | 1055.2 | 1056.2 | 1056.1 | 1055.0 | 1053.9 | 1052.7 | 1051.6 |
| 165° | 1076.3 | 1077.1 | 1077.9 | 1077.7 | 1076.6 | 1075.4 | 1074.3 | 1073.1 |
| 167.5° | 1092.7 | 1093.8 | 1095.0 | 1095.0 | 1093.8 | 1092.6 | 1091.4 | 1090.2 |
| 170° | 1102.4 | 1103.6 | 1104.7 | 1104.7 | 1103.3 | 1102.0 | 1100.6 | 1099.2 |
| 172.5° | 1109.4 | 1110.6 | 1111.7 | 1111.7 | 1110.5 | 1109.3 | 1108.1 | 1106.9 |
| 175° | 1117.2 | 1118.4 | 1119.6 | 1119.5 | 1118.2 | 1116.8 | 1115.4 | 1114.0 |
| 177.5° | 1120.8 | 1121.8 | 1122.7 | 1122.6 | 1121.5 | 1120.4 | 1119.4 | 1118.3 |
| 180° | 1121.0 | 1121.0 | 1121.0 | 1121.0 | 1121.0 | 1121.0 | 1121.0 | 1121.0 |

(END OF REPORT)