

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: P333671-940

Luminaire Tested: **S125RDIW-S610D1050U940-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333671-940
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-S610D1050U940-4F0-1E-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: 5361.5 lumens
Efficiency: N/A
Efficacy: 118.6 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

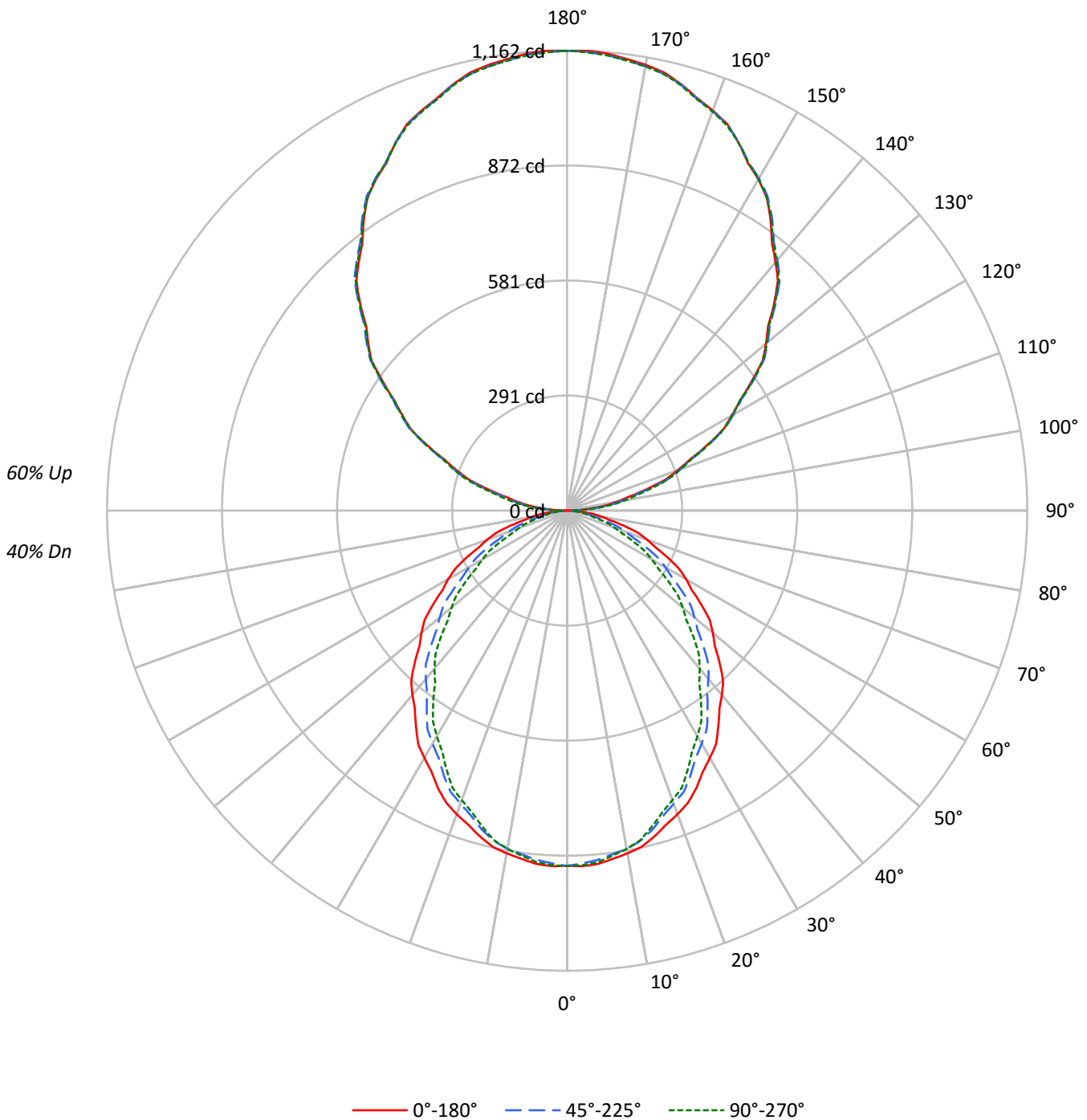
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333671-940

CATALOG NUMBER: S125RDIW-S610D1050U940-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333671-940

CATALOG NUMBER: S125RDIW-S610D1050U940-4F0-1E-UDD-F1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF | 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 | 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° | 5794 | 5794 | 5794 |
| 5° | 5806 | 5741 | 5776 |
| 10° | 5762 | 5687 | 5687 |
| 15° | 5695 | 5572 | 5526 |
| 20° | 5606 | 5411 | 5346 |
| 25° | 5504 | 5253 | 5137 |
| 30° | 5376 | 5068 | 4906 |
| 35° | 5245 | 4877 | 4647 |
| 40° | 5123 | 4678 | 4392 |
| 45° | 4975 | 4455 | 4116 |
| 50° | 4827 | 4214 | 3826 |
| 55° | 4654 | 3983 | 3518 |
| 60° | 4481 | 3702 | 3185 |
| 65° | 4276 | 3376 | 2806 |
| 70° | 4043 | 2968 | 2417 |
| 75° | 3721 | 2500 | 2011 |
| 80° | 3277 | 1967 | 1689 |
| 85° | 2764 | 1608 | 1504 |



TEST NUMBER: P333671-940

CATALOG NUMBER: S125RDIW-S610D1050U940-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.3 | 1.6 |
| 10°-20° | 235.7 | 4.4 |
| 20°-30° | 341.8 | 6.4 |
| 30°-40° | 389.6 | 7.3 |
| 40°-50° | 379.7 | 7.1 |
| 50°-60° | 319.6 | 6.0 |
| 60°-70° | 224.1 | 4.2 |
| 70°-80° | 115.2 | 2.1 |
| 80°-90° | 31.6 | 0.6 |
| 90°-100° | 77.8 | 1.5 |
| 100°-110° | 229.6 | 4.3 |
| 110°-120° | 388.9 | 7.3 |
| 120°-130° | 511.9 | 9.5 |
| 130°-140° | 573.6 | 10.7 |
| 140°-150° | 562.1 | 10.5 |
| 150°-160° | 472.2 | 8.8 |
| 160°-170° | 313.9 | 5.9 |
| 170°-180° | 109.8 | 2.0 |
| 0°-30° | 661.9 | 12.3 |
| 0°-40° | 1051.5 | 19.6 |
| 0°-60° | 1750.9 | 32.7 |
| 0°-90° | 2121.7 | 39.6 |
| 90°-120° | 696.4 | 13.0 |
| 90°-150° | 2344.0 | 43.7 |
| 90°-180° | 3240.0 | 60.4 |
| 0°-180° | 5361.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 897 | 897 | 897 | 897 | 897 | |
| 5° | 896 | 893 | 886 | 892 | 891 | 85 |
| 15° | 852 | 847 | 833 | 832 | 826 | 240 |
| 25° | 772 | 761 | 737 | 728 | 721 | 355 |
| 35° | 665 | 648 | 619 | 600 | 589 | 416 |
| 45° | 545 | 524 | 488 | 462 | 451 | 420 |
| 55° | 413 | 391 | 354 | 324 | 312 | 370 |
| 65° | 280 | 256 | 221 | 195 | 184 | 277 |
| 75° | 149 | 128 | 100 | 86 | 81 | 158 |
| 85° | 37 | 26 | 22 | 21 | 20 | 42 |
| 90° | 1 | 8 | 14 | 19 | 22 | 5 |
| 95° | 59 | 61 | 70 | 76 | 78 | 63 |
| 105° | 206 | 211 | 216 | 221 | 224 | 220 |
| 115° | 389 | 393 | 395 | 394 | 393 | 385 |
| 125° | 568 | 573 | 575 | 573 | 572 | 509 |
| 135° | 739 | 744 | 745 | 745 | 742 | 569 |
| 145° | 895 | 899 | 902 | 902 | 899 | 560 |
| 155° | 1025 | 1025 | 1026 | 1029 | 1025 | 472 |
| 165° | 1114 | 1112 | 1113 | 1116 | 1111 | 314 |
| 175° | 1158 | 1155 | 1155 | 1160 | 1154 | 110 |
| 180° | 1161 | 1161 | 1161 | 1161 | 1161 | |



TEST NUMBER: P333671-940

CATALOG NUMBER: S125RDIW-S610D1050U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 |
| 2.5° | 898.7 | 898.3 | 898.0 | 897.6 | 897.2 | 896.4 | 895.2 | 894.0 | 892.8 | 891.6 | 892.8 |
| 5° | 895.6 | 895.1 | 894.5 | 893.9 | 893.2 | 892.2 | 890.5 | 888.9 | 887.2 | 885.5 | 887.0 |
| 7.5° | 886.9 | 886.3 | 885.7 | 885.1 | 884.6 | 883.3 | 881.3 | 879.3 | 877.4 | 875.3 | 876.4 |
| 10° | 878.7 | 878.2 | 877.8 | 877.4 | 876.9 | 875.7 | 873.5 | 871.5 | 869.3 | 867.2 | 867.6 |
| 12.5° | 869.5 | 869.0 | 868.3 | 867.8 | 867.2 | 865.5 | 862.7 | 859.9 | 857.0 | 854.2 | 854.5 |
| 15° | 851.7 | 850.7 | 849.8 | 848.9 | 848.0 | 846.0 | 842.8 | 839.6 | 836.5 | 833.3 | 833.2 |
| 17.5° | 831.4 | 830.1 | 828.7 | 827.3 | 825.9 | 823.2 | 819.2 | 815.3 | 811.3 | 807.4 | 806.6 |
| 20° | 815.7 | 814.2 | 812.7 | 811.2 | 809.7 | 806.6 | 801.7 | 796.9 | 792.1 | 787.3 | 786.5 |
| 22.5° | 798.3 | 796.8 | 795.4 | 793.9 | 792.4 | 789.1 | 784.0 | 779.0 | 773.9 | 768.8 | 767.4 |
| 25° | 772.4 | 770.1 | 767.9 | 765.6 | 763.3 | 759.4 | 753.9 | 748.2 | 742.7 | 737.1 | 735.2 |
| 27.5° | 742.5 | 739.9 | 737.1 | 734.3 | 731.6 | 727.3 | 721.3 | 715.3 | 709.4 | 703.4 | 700.6 |
| 30° | 720.9 | 718.0 | 715.2 | 712.3 | 709.4 | 704.8 | 698.5 | 692.2 | 685.9 | 679.6 | 676.1 |
| 32.5° | 699.7 | 696.4 | 693.0 | 689.7 | 686.3 | 681.4 | 675.0 | 668.6 | 662.1 | 655.7 | 651.8 |
| 35° | 665.3 | 661.7 | 658.1 | 654.5 | 650.9 | 645.7 | 638.9 | 632.1 | 625.4 | 618.6 | 614.2 |
| 37.5° | 631.6 | 627.1 | 622.8 | 618.4 | 614.0 | 608.3 | 601.3 | 594.3 | 587.4 | 580.3 | 575.2 |
| 40° | 607.7 | 603.2 | 598.7 | 594.1 | 589.7 | 583.8 | 576.6 | 569.4 | 562.1 | 554.9 | 549.2 |
| 42.5° | 582.8 | 578.2 | 573.5 | 568.9 | 564.3 | 558.2 | 550.7 | 543.2 | 535.8 | 528.3 | 522.8 |
| 45° | 544.7 | 540.4 | 536.0 | 531.6 | 527.3 | 520.9 | 512.6 | 504.4 | 496.1 | 487.8 | 481.8 |
| 47.5° | 505.3 | 500.7 | 496.1 | 491.5 | 486.9 | 480.4 | 472.1 | 463.7 | 455.4 | 447.0 | 440.9 |
| 50° | 480.4 | 475.4 | 470.4 | 465.5 | 460.5 | 453.7 | 445.1 | 436.6 | 427.9 | 419.4 | 413.0 |
| 52.5° | 453.3 | 448.2 | 443.1 | 438.0 | 432.9 | 426.3 | 418.2 | 410.1 | 402.0 | 393.9 | 387.1 |
| 55° | 413.3 | 408.5 | 403.7 | 398.9 | 394.0 | 387.4 | 379.0 | 370.5 | 362.1 | 353.7 | 346.9 |
| 57.5° | 372.9 | 367.7 | 362.6 | 357.5 | 352.3 | 345.6 | 337.5 | 329.4 | 321.3 | 313.2 | 306.5 |
| 60° | 346.9 | 341.6 | 336.4 | 331.1 | 325.8 | 319.1 | 310.9 | 302.8 | 294.7 | 286.6 | 280.0 |
| 62.5° | 319.2 | 314.2 | 309.2 | 304.2 | 299.2 | 292.5 | 284.3 | 276.0 | 267.8 | 259.5 | 253.3 |
| 65° | 279.8 | 274.7 | 269.6 | 264.5 | 259.3 | 252.8 | 244.8 | 236.8 | 228.8 | 220.9 | 214.8 |
| 67.5° | 240.7 | 235.5 | 230.4 | 225.3 | 220.2 | 213.8 | 206.2 | 198.5 | 190.8 | 183.2 | 177.7 |
| 70° | 214.1 | 209.0 | 203.8 | 198.8 | 193.6 | 187.3 | 179.8 | 172.3 | 164.7 | 157.2 | 152.5 |
| 72.5° | 188.1 | 183.1 | 178.1 | 173.1 | 168.1 | 162.0 | 155.0 | 147.9 | 140.9 | 133.8 | 129.6 |
| 75° | 149.1 | 144.5 | 140.0 | 135.5 | 131.0 | 125.6 | 119.2 | 112.9 | 106.6 | 100.2 | 96.9 |
| 77.5° | 110.3 | 106.6 | 103.1 | 99.4 | 95.9 | 91.5 | 86.4 | 81.4 | 76.3 | 71.2 | 68.9 |
| 80° | 88.1 | 84.4 | 80.9 | 77.2 | 73.7 | 69.7 | 65.5 | 61.3 | 57.1 | 52.9 | 51.5 |
| 82.5° | 66.4 | 63.1 | 59.9 | 56.6 | 53.4 | 50.3 | 47.4 | 44.5 | 41.6 | 38.8 | 38.2 |
| 85° | 37.3 | 34.5 | 31.8 | 29.2 | 26.4 | 24.7 | 23.9 | 23.2 | 22.5 | 21.7 | 21.5 |
| 87.5° | 12.7 | 12.1 | 11.6 | 11.1 | 10.5 | 10.3 | 10.5 | 10.7 | 10.9 | 11.1 | 11.2 |
| 90° | 0.9 | 2.5 | 4.1 | 5.7 | 7.3 | 8.8 | 10.3 | 11.7 | 13.0 | 14.4 | 15.4 |
| 92.5° | 21.8 | 23.0 | 24.1 | 25.2 | 26.4 | 27.8 | 29.5 | 31.2 | 33.0 | 34.7 | 36.0 |
| 95° | 58.8 | 59.1 | 59.6 | 59.9 | 60.4 | 61.5 | 63.6 | 65.5 | 67.6 | 69.6 | 71.0 |
| 97.5° | 97.6 | 97.7 | 97.9 | 98.1 | 98.3 | 99.7 | 102.5 | 105.2 | 108.0 | 110.8 | 112.1 |
| 100° | 126.5 | 126.5 | 126.5 | 126.5 | 126.5 | 127.8 | 130.4 | 133.0 | 135.6 | 138.2 | 140.1 |
| 102.5° | 157.6 | 158.4 | 159.2 | 160.0 | 160.8 | 161.8 | 163.2 | 164.5 | 165.9 | 167.2 | 169.2 |
| 105° | 206.0 | 207.0 | 208.0 | 209.0 | 210.0 | 211.2 | 212.3 | 213.6 | 214.7 | 216.0 | 217.1 |
| 107.5° | 259.5 | 260.5 | 261.5 | 262.5 | 263.5 | 264.5 | 265.4 | 266.4 | 267.2 | 268.1 | 268.8 |
| 110° | 296.3 | 297.4 | 298.4 | 299.3 | 300.4 | 301.2 | 301.8 | 302.4 | 303.0 | 303.6 | 304.2 |



TEST NUMBER: P333671-940

CATALOG NUMBER: S125RDIW-S610D1050U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 333.9 | 334.5 | 335.0 | 335.6 | 336.0 | 336.7 | 337.4 | 338.2 | 338.9 | 339.7 | 340.0 |
| 115° | 389.4 | 390.2 | 391.0 | 391.8 | 392.6 | 393.2 | 393.6 | 394.0 | 394.4 | 394.8 | 394.7 |
| 117.5° | 445.1 | 445.4 | 445.8 | 446.1 | 446.6 | 446.9 | 447.3 | 447.6 | 448.0 | 448.4 | 448.5 |
| 120° | 479.7 | 480.8 | 481.8 | 482.8 | 483.8 | 484.4 | 484.6 | 484.8 | 485.0 | 485.2 | 485.2 |
| 122.5° | 517.4 | 517.7 | 518.1 | 518.4 | 518.8 | 519.2 | 519.8 | 520.3 | 520.8 | 521.4 | 521.2 |
| 125° | 568.3 | 569.5 | 570.7 | 571.9 | 573.1 | 573.8 | 574.1 | 574.3 | 574.4 | 574.6 | 574.3 |
| 127.5° | 622.5 | 623.2 | 623.9 | 624.6 | 625.3 | 625.7 | 626.0 | 626.2 | 626.4 | 626.7 | 626.5 |
| 130° | 655.1 | 656.0 | 657.1 | 658.1 | 659.1 | 659.8 | 660.2 | 660.6 | 661.0 | 661.4 | 661.2 |
| 132.5° | 687.6 | 689.2 | 690.9 | 692.5 | 694.2 | 695.0 | 694.9 | 694.8 | 694.7 | 694.6 | 694.5 |
| 135° | 739.0 | 740.3 | 741.5 | 742.7 | 744.0 | 744.6 | 744.8 | 745.0 | 745.2 | 745.4 | 745.4 |
| 137.5° | 787.6 | 788.7 | 789.9 | 791.0 | 792.2 | 793.0 | 793.4 | 793.9 | 794.3 | 794.8 | 795.0 |
| 140° | 818.6 | 819.6 | 820.6 | 821.6 | 822.6 | 823.4 | 824.0 | 824.7 | 825.2 | 825.8 | 826.3 |
| 142.5° | 849.7 | 850.5 | 851.4 | 852.2 | 853.1 | 853.9 | 854.6 | 855.4 | 856.1 | 856.9 | 857.1 |
| 145° | 895.4 | 896.2 | 897.0 | 897.8 | 898.6 | 899.3 | 899.9 | 900.5 | 901.2 | 901.7 | 901.7 |
| 147.5° | 937.7 | 938.2 | 938.6 | 939.0 | 939.4 | 940.0 | 940.4 | 940.8 | 941.4 | 941.8 | 942.4 |
| 150° | 965.9 | 965.7 | 965.5 | 965.3 | 965.1 | 965.4 | 966.2 | 967.0 | 967.8 | 968.6 | 968.6 |
| 152.5° | 989.0 | 989.3 | 989.5 | 989.9 | 990.2 | 990.4 | 990.8 | 991.0 | 991.4 | 991.8 | 992.2 |
| 155° | 1024.6 | 1024.6 | 1024.6 | 1024.6 | 1024.6 | 1024.7 | 1024.9 | 1025.1 | 1025.3 | 1025.6 | 1026.4 |
| 157.5° | 1056.4 | 1056.0 | 1055.5 | 1055.1 | 1054.6 | 1054.5 | 1054.7 | 1054.9 | 1055.2 | 1055.3 | 1056.1 |
| 160° | 1075.2 | 1074.6 | 1074.0 | 1073.4 | 1072.8 | 1072.6 | 1072.8 | 1073.0 | 1073.2 | 1073.4 | 1074.2 |
| 162.5° | 1091.8 | 1091.4 | 1090.9 | 1090.5 | 1090.0 | 1089.8 | 1089.9 | 1089.9 | 1090.0 | 1090.0 | 1091.0 |
| 165° | 1114.1 | 1113.7 | 1113.2 | 1112.9 | 1112.4 | 1112.3 | 1112.6 | 1112.8 | 1112.9 | 1113.1 | 1113.9 |
| 167.5° | 1132.8 | 1132.0 | 1131.2 | 1130.4 | 1129.6 | 1129.3 | 1129.3 | 1129.3 | 1129.3 | 1129.3 | 1130.4 |
| 170° | 1143.0 | 1142.2 | 1141.4 | 1140.6 | 1139.8 | 1139.3 | 1139.3 | 1139.3 | 1139.3 | 1139.3 | 1140.6 |
| 172.5° | 1150.2 | 1149.4 | 1148.6 | 1147.8 | 1147.0 | 1146.6 | 1146.6 | 1146.6 | 1146.6 | 1146.6 | 1147.8 |
| 175° | 1158.3 | 1157.5 | 1156.7 | 1155.9 | 1155.1 | 1154.7 | 1154.7 | 1154.7 | 1154.7 | 1154.7 | 1155.9 |
| 177.5° | 1162.5 | 1161.8 | 1161.2 | 1160.6 | 1159.9 | 1159.5 | 1159.3 | 1159.2 | 1159.0 | 1158.9 | 1159.8 |
| 180° | 1161.0 | 1161.0 | 1161.0 | 1161.0 | 1161.0 | 1161.0 | 1161.0 | 1161.0 | 1161.0 | 1161.0 | 1161.0 |



TEST NUMBER: P333671-940

CATALOG NUMBER: S125RDIW-S610D1050U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 |
| 2.5° | 894.0 | 895.2 | 896.4 | 897.0 | 896.9 | 896.7 | 896.6 | 896.5 |
| 5° | 888.5 | 890.0 | 891.5 | 892.2 | 891.8 | 891.5 | 891.3 | 890.9 |
| 7.5° | 877.4 | 878.5 | 879.6 | 879.9 | 879.6 | 879.2 | 879.0 | 878.6 |
| 10° | 868.1 | 868.5 | 869.1 | 869.1 | 868.5 | 868.1 | 867.6 | 867.2 |
| 12.5° | 854.9 | 855.2 | 855.5 | 855.3 | 854.6 | 854.0 | 853.3 | 852.6 |
| 15° | 833.0 | 832.9 | 832.8 | 832.0 | 830.6 | 829.3 | 828.0 | 826.5 |
| 17.5° | 805.8 | 805.0 | 804.3 | 803.3 | 802.3 | 801.1 | 800.0 | 798.9 |
| 20° | 785.8 | 785.0 | 784.3 | 783.2 | 781.9 | 780.5 | 779.2 | 777.8 |
| 22.5° | 765.9 | 764.4 | 762.9 | 761.6 | 760.5 | 759.4 | 758.3 | 757.2 |
| 25° | 733.3 | 731.3 | 729.3 | 727.5 | 725.9 | 724.2 | 722.6 | 720.9 |
| 27.5° | 697.9 | 695.2 | 692.4 | 690.3 | 688.7 | 687.1 | 685.5 | 683.9 |
| 30° | 672.6 | 669.1 | 665.7 | 663.3 | 661.9 | 660.6 | 659.2 | 657.9 |
| 32.5° | 648.0 | 644.3 | 640.4 | 637.7 | 635.9 | 634.2 | 632.5 | 630.8 |
| 35° | 609.8 | 605.5 | 601.1 | 597.9 | 595.8 | 593.6 | 591.6 | 589.4 |
| 37.5° | 569.9 | 564.6 | 559.4 | 555.7 | 553.7 | 551.7 | 549.7 | 547.6 |
| 40° | 543.4 | 537.7 | 532.0 | 528.2 | 526.5 | 524.6 | 522.8 | 521.0 |
| 42.5° | 517.4 | 511.8 | 506.4 | 502.3 | 499.7 | 497.0 | 494.4 | 491.8 |
| 45° | 475.7 | 469.8 | 463.7 | 459.6 | 457.4 | 455.0 | 452.8 | 450.6 |
| 47.5° | 434.6 | 428.4 | 422.2 | 417.9 | 415.4 | 412.9 | 410.4 | 407.9 |
| 50° | 406.7 | 400.4 | 394.0 | 389.8 | 387.5 | 385.3 | 383.0 | 380.8 |
| 52.5° | 380.3 | 373.4 | 366.7 | 362.1 | 359.9 | 357.7 | 355.3 | 353.1 |
| 55° | 340.1 | 333.3 | 326.5 | 322.0 | 319.6 | 317.2 | 314.8 | 312.4 |
| 57.5° | 299.9 | 293.3 | 286.7 | 282.2 | 280.1 | 277.9 | 275.9 | 273.8 |
| 60° | 273.3 | 266.7 | 260.1 | 255.7 | 253.4 | 251.1 | 248.9 | 246.6 |
| 62.5° | 247.2 | 241.0 | 234.9 | 230.7 | 228.5 | 226.2 | 223.9 | 221.7 |
| 65° | 208.8 | 202.8 | 196.8 | 192.6 | 190.4 | 188.2 | 185.8 | 183.6 |
| 67.5° | 172.2 | 166.7 | 161.1 | 157.5 | 155.7 | 153.9 | 152.0 | 150.3 |
| 70° | 147.8 | 143.2 | 138.5 | 135.3 | 133.5 | 131.7 | 129.8 | 128.0 |
| 72.5° | 125.3 | 120.9 | 116.6 | 113.9 | 112.7 | 111.5 | 110.3 | 109.1 |
| 75° | 93.6 | 90.3 | 87.0 | 84.8 | 83.8 | 82.8 | 81.7 | 80.6 |
| 77.5° | 66.6 | 64.3 | 62.0 | 60.5 | 59.7 | 58.9 | 58.1 | 57.3 |
| 80° | 50.1 | 48.8 | 47.4 | 46.6 | 46.3 | 46.0 | 45.7 | 45.4 |
| 82.5° | 37.5 | 36.8 | 36.2 | 35.8 | 35.7 | 35.5 | 35.3 | 35.1 |
| 85° | 21.4 | 21.2 | 21.0 | 21.0 | 20.8 | 20.6 | 20.5 | 20.3 |
| 87.5° | 11.4 | 11.6 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| 90° | 16.5 | 17.5 | 18.5 | 19.3 | 19.9 | 20.5 | 21.0 | 21.7 |
| 92.5° | 37.4 | 38.7 | 40.0 | 40.8 | 41.3 | 41.7 | 42.2 | 42.6 |
| 95° | 72.4 | 73.7 | 75.2 | 76.1 | 76.5 | 76.9 | 77.3 | 77.7 |
| 97.5° | 113.4 | 114.8 | 116.1 | 116.8 | 117.1 | 117.3 | 117.6 | 117.8 |
| 100° | 141.9 | 143.7 | 145.4 | 146.6 | 147.0 | 147.4 | 147.8 | 148.2 |
| 102.5° | 171.1 | 173.1 | 175.0 | 176.3 | 176.8 | 177.5 | 178.0 | 178.5 |
| 105° | 218.4 | 219.5 | 220.8 | 221.7 | 222.3 | 222.8 | 223.5 | 224.1 |
| 107.5° | 269.4 | 270.0 | 270.5 | 270.9 | 270.8 | 270.8 | 270.7 | 270.7 |
| 110° | 304.8 | 305.4 | 306.0 | 306.2 | 306.0 | 305.8 | 305.6 | 305.4 |



TEST NUMBER: P333671-940

CATALOG NUMBER: S125RDIW-S610D1050U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 340.3 | 340.5 | 340.8 | 340.8 | 340.5 | 340.1 | 339.7 | 339.4 |
| 115° | 394.4 | 394.2 | 394.0 | 393.9 | 393.6 | 393.4 | 393.2 | 393.1 |
| 117.5° | 448.6 | 448.8 | 449.0 | 448.6 | 447.8 | 447.0 | 446.2 | 445.4 |
| 120° | 485.2 | 485.2 | 485.2 | 484.8 | 484.0 | 483.2 | 482.4 | 481.6 |
| 122.5° | 521.0 | 520.8 | 520.7 | 520.3 | 519.7 | 519.0 | 518.4 | 517.7 |
| 125° | 573.8 | 573.5 | 573.0 | 572.7 | 572.6 | 572.3 | 572.1 | 571.9 |
| 127.5° | 626.2 | 626.1 | 625.9 | 625.6 | 625.2 | 624.8 | 624.4 | 624.0 |
| 130° | 661.0 | 660.8 | 660.6 | 660.3 | 659.9 | 659.5 | 659.1 | 658.7 |
| 132.5° | 694.2 | 694.0 | 693.8 | 693.5 | 692.9 | 692.3 | 691.8 | 691.2 |
| 135° | 745.4 | 745.4 | 745.4 | 745.0 | 744.2 | 743.4 | 742.6 | 741.8 |
| 137.5° | 795.2 | 795.5 | 795.7 | 795.3 | 794.3 | 793.4 | 792.3 | 791.3 |
| 140° | 826.6 | 827.1 | 827.4 | 827.2 | 826.2 | 825.1 | 824.1 | 823.1 |
| 142.5° | 857.4 | 857.6 | 857.9 | 857.5 | 856.5 | 855.5 | 854.5 | 853.5 |
| 145° | 901.7 | 901.7 | 901.7 | 901.4 | 900.8 | 900.2 | 899.6 | 899.0 |
| 147.5° | 942.8 | 943.3 | 943.8 | 943.3 | 942.0 | 940.6 | 939.2 | 937.9 |
| 150° | 968.6 | 968.6 | 968.6 | 968.4 | 968.0 | 967.6 | 967.1 | 966.8 |
| 152.5° | 992.7 | 993.2 | 993.6 | 993.5 | 992.8 | 992.1 | 991.3 | 990.6 |
| 155° | 1027.2 | 1028.0 | 1028.8 | 1028.6 | 1027.6 | 1026.6 | 1025.6 | 1024.6 |
| 157.5° | 1056.9 | 1057.7 | 1058.5 | 1058.3 | 1056.9 | 1055.6 | 1054.3 | 1053.0 |
| 160° | 1075.0 | 1075.8 | 1076.7 | 1076.5 | 1075.5 | 1074.5 | 1073.5 | 1072.5 |
| 162.5° | 1092.0 | 1092.9 | 1093.9 | 1093.8 | 1092.6 | 1091.5 | 1090.3 | 1089.1 |
| 165° | 1114.7 | 1115.5 | 1116.3 | 1116.2 | 1115.0 | 1113.7 | 1112.6 | 1111.3 |
| 167.5° | 1131.7 | 1132.8 | 1134.1 | 1134.1 | 1132.8 | 1131.6 | 1130.3 | 1129.1 |
| 170° | 1141.7 | 1143.0 | 1144.2 | 1144.1 | 1142.6 | 1141.3 | 1139.9 | 1138.4 |
| 172.5° | 1149.0 | 1150.2 | 1151.4 | 1151.4 | 1150.1 | 1148.9 | 1147.6 | 1146.4 |
| 175° | 1157.1 | 1158.3 | 1159.6 | 1159.4 | 1158.1 | 1156.6 | 1155.2 | 1153.8 |
| 177.5° | 1160.8 | 1161.8 | 1162.7 | 1162.6 | 1161.5 | 1160.4 | 1159.3 | 1158.2 |
| 180° | 1161.0 | 1161.0 | 1161.0 | 1161.0 | 1161.0 | 1161.0 | 1161.0 | 1161.0 |

(END OF REPORT)