

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: P333414-935

Luminaire Tested: **S125DIW-S850D1050U935-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333414-935
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-S850D1050U935-4F0-1E-UDD-D
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6434.8 lumens
Efficiency: N/A
Efficacy: 122.3 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

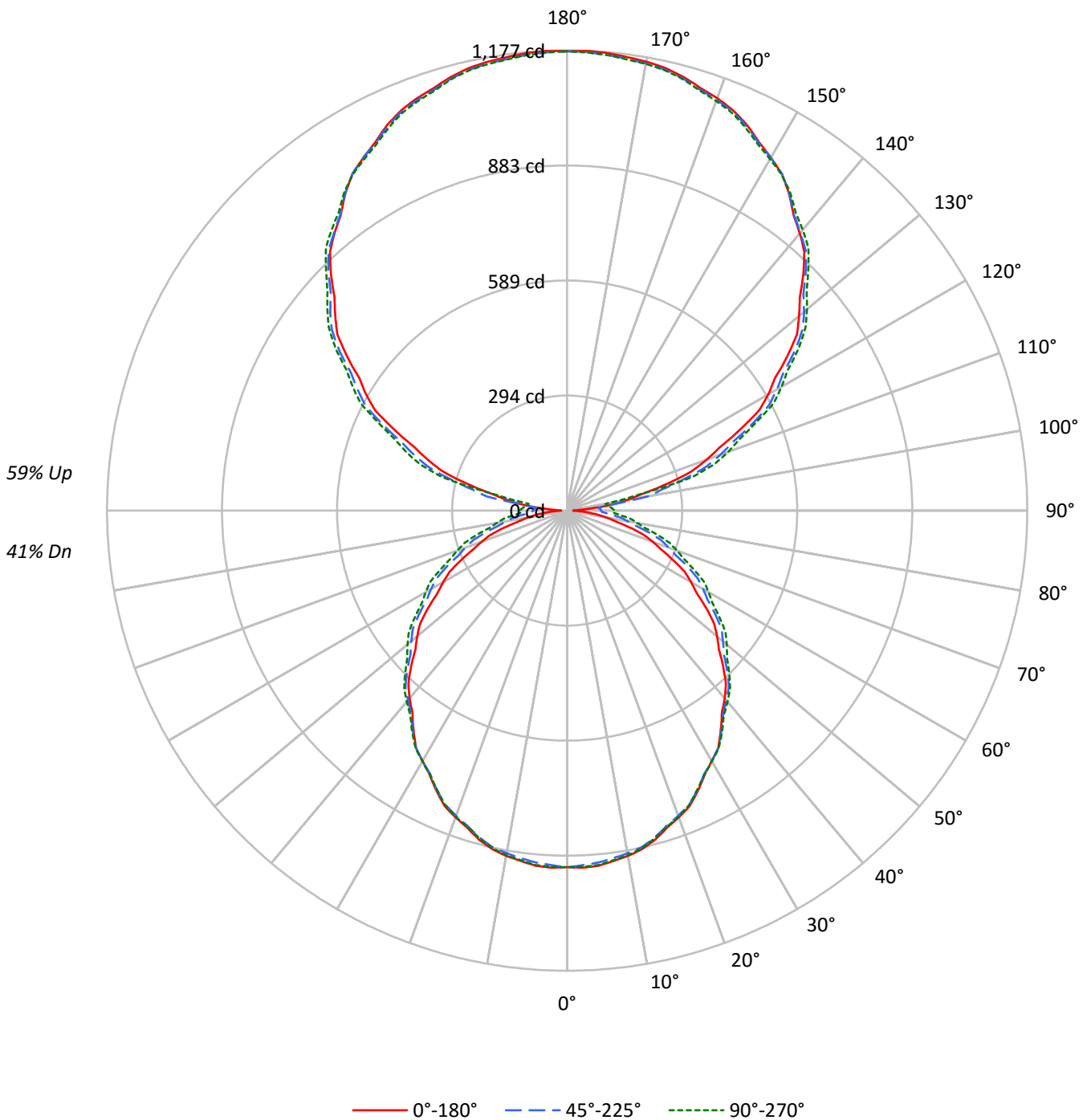
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333414-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P333414-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-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 | 42 | 40 | 39 | 33 |
| 2 | 86 | 79 | 73 | 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° | 5891 | 5891 | 5891 |
| 5° | 5902 | 5782 | 5800 |
| 10° | 5860 | 5679 | 5670 |
| 15° | 5791 | 5555 | 5505 |
| 20° | 5697 | 5402 | 5339 |
| 25° | 5585 | 5239 | 5135 |
| 30° | 5449 | 5059 | 4950 |
| 35° | 5322 | 4893 | 4780 |
| 40° | 5194 | 4719 | 4609 |
| 45° | 5048 | 4570 | 4458 |
| 50° | 4910 | 4408 | 4325 |
| 55° | 4742 | 4256 | 4166 |
| 60° | 4560 | 4082 | 4006 |
| 65° | 4369 | 3900 | 3826 |
| 70° | 4153 | 3651 | 3640 |
| 75° | 3809 | 3412 | 3412 |
| 80° | 3363 | 3122 | 3163 |
| 85° | 2945 | 2924 | 3085 |



TEST NUMBER: P333414-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.2 | 1.3 |
| 10°-20° | 244.8 | 3.8 |
| 20°-30° | 364.1 | 5.7 |
| 30°-40° | 431.3 | 6.7 |
| 40°-50° | 445.9 | 6.9 |
| 50°-60° | 410.8 | 6.4 |
| 60°-70° | 332.0 | 5.2 |
| 70°-80° | 222.4 | 3.5 |
| 80°-90° | 117.8 | 1.8 |
| 90°-100° | 107.4 | 1.7 |
| 100°-110° | 310.8 | 4.8 |
| 110°-120° | 509.1 | 7.9 |
| 120°-130° | 630.5 | 9.8 |
| 130°-140° | 666.6 | 10.4 |
| 140°-150° | 619.8 | 9.6 |
| 150°-160° | 500.1 | 7.8 |
| 160°-170° | 323.4 | 5.0 |
| 170°-180° | 111.6 | 1.7 |
| 0°-30° | 695.2 | 10.8 |
| 0°-40° | 1126.5 | 17.5 |
| 0°-60° | 1983.2 | 30.8 |
| 0°-90° | 2655.4 | 41.3 |
| 90°-120° | 927.3 | 14.4 |
| 90°-150° | 2844.3 | 44.2 |
| 90°-180° | 3779.0 | 58.7 |
| 0°-180° | 6434.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 912 | 912 | 912 | 912 | 912 | |
| 5° | 912 | 910 | 904 | 911 | 910 | 86 |
| 15° | 871 | 872 | 866 | 870 | 867 | 245 |
| 25° | 791 | 794 | 789 | 792 | 788 | 364 |
| 35° | 685 | 691 | 688 | 691 | 691 | 428 |
| 45° | 564 | 574 | 578 | 584 | 586 | 435 |
| 55° | 434 | 448 | 462 | 472 | 476 | 388 |
| 65° | 299 | 319 | 341 | 354 | 358 | 296 |
| 75° | 164 | 188 | 216 | 234 | 239 | 175 |
| 85° | 49 | 79 | 110 | 129 | 137 | 52 |
| 90° | 15 | 51 | 87 | 111 | 121 | 12 |
| 95° | 61 | 81 | 79 | 102 | 110 | 72 |
| 105° | 264 | 282 | 309 | 326 | 332 | 280 |
| 115° | 486 | 497 | 521 | 533 | 534 | 482 |
| 125° | 687 | 693 | 710 | 721 | 723 | 613 |
| 135° | 854 | 859 | 863 | 872 | 872 | 658 |
| 145° | 989 | 990 | 990 | 995 | 994 | 618 |
| 155° | 1088 | 1084 | 1085 | 1087 | 1081 | 501 |
| 165° | 1149 | 1144 | 1144 | 1149 | 1142 | 324 |
| 175° | 1175 | 1170 | 1170 | 1177 | 1170 | 112 |
| 180° | 1175 | 1175 | 1175 | 1175 | 1175 | |



TEST NUMBER: P333414-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 912.1 | 912.1 | 912.1 | 912.1 | 912.1 | 912.1 | 912.1 | 912.1 | 912.1 | 912.1 | 912.1 |
| 2.5° | 914.2 | 914.0 | 913.6 | 913.3 | 912.9 | 912.2 | 911.1 | 910.0 | 908.9 | 907.8 | 908.9 |
| 5° | 912.1 | 911.7 | 911.3 | 910.9 | 910.5 | 909.6 | 908.2 | 906.8 | 905.4 | 904.0 | 905.6 |
| 7.5° | 904.0 | 903.9 | 903.7 | 903.5 | 903.4 | 902.6 | 901.2 | 899.7 | 898.3 | 896.9 | 898.3 |
| 10° | 896.9 | 896.9 | 896.9 | 896.9 | 896.9 | 896.1 | 894.5 | 892.9 | 891.3 | 889.8 | 891.1 |
| 12.5° | 886.8 | 887.0 | 887.2 | 887.3 | 887.5 | 886.9 | 885.7 | 884.4 | 883.1 | 881.8 | 883.0 |
| 15° | 871.0 | 871.2 | 871.3 | 871.5 | 871.8 | 871.2 | 869.8 | 868.4 | 866.9 | 865.6 | 866.8 |
| 17.5° | 850.2 | 850.6 | 851.0 | 851.4 | 851.8 | 851.3 | 849.9 | 848.5 | 847.1 | 845.8 | 846.6 |
| 20° | 835.2 | 835.6 | 835.9 | 836.4 | 836.8 | 836.3 | 834.9 | 833.5 | 832.1 | 830.7 | 831.3 |
| 22.5° | 818.0 | 818.7 | 819.4 | 820.2 | 820.9 | 820.4 | 818.9 | 817.3 | 815.8 | 814.2 | 815.0 |
| 25° | 791.3 | 791.9 | 792.6 | 793.2 | 793.8 | 793.4 | 792.3 | 791.1 | 789.9 | 788.7 | 789.5 |
| 27.5° | 761.6 | 762.6 | 763.4 | 764.3 | 765.2 | 764.9 | 763.6 | 762.2 | 760.9 | 759.6 | 760.1 |
| 30° | 739.5 | 740.7 | 741.9 | 743.0 | 744.2 | 744.2 | 743.0 | 741.9 | 740.7 | 739.5 | 739.9 |
| 32.5° | 719.5 | 720.5 | 721.5 | 722.6 | 723.6 | 723.7 | 722.8 | 721.9 | 721.1 | 720.2 | 720.6 |
| 35° | 684.9 | 686.4 | 687.8 | 689.1 | 690.5 | 691.0 | 690.3 | 689.7 | 689.1 | 688.5 | 689.1 |
| 37.5° | 650.4 | 651.7 | 653.0 | 654.3 | 655.6 | 656.1 | 655.8 | 655.7 | 655.5 | 655.3 | 656.1 |
| 40° | 626.8 | 628.4 | 630.0 | 631.6 | 633.2 | 633.9 | 633.7 | 633.5 | 633.3 | 633.1 | 633.9 |
| 42.5° | 601.1 | 603.1 | 605.2 | 607.3 | 609.3 | 610.6 | 611.1 | 611.5 | 611.9 | 612.3 | 613.3 |
| 45° | 564.2 | 566.5 | 568.6 | 570.8 | 573.0 | 574.5 | 575.6 | 576.5 | 577.6 | 578.5 | 580.0 |
| 47.5° | 526.5 | 528.6 | 530.5 | 532.6 | 534.6 | 536.5 | 538.2 | 539.9 | 541.6 | 543.3 | 545.4 |
| 50° | 500.8 | 502.9 | 505.1 | 507.3 | 509.5 | 511.7 | 513.8 | 516.1 | 518.2 | 520.4 | 522.6 |
| 52.5° | 473.6 | 476.2 | 478.9 | 481.6 | 484.2 | 486.9 | 489.6 | 492.2 | 494.9 | 497.6 | 499.9 |
| 55° | 433.7 | 436.9 | 440.1 | 443.2 | 446.4 | 449.6 | 452.8 | 456.0 | 459.1 | 462.3 | 464.5 |
| 57.5° | 392.9 | 396.7 | 400.5 | 404.3 | 408.2 | 411.9 | 415.6 | 419.2 | 422.8 | 426.5 | 429.0 |
| 60° | 365.8 | 369.7 | 373.7 | 377.6 | 381.6 | 385.6 | 389.6 | 393.6 | 397.5 | 401.5 | 404.5 |
| 62.5° | 339.2 | 343.2 | 347.2 | 351.2 | 355.2 | 359.3 | 363.6 | 367.9 | 372.1 | 376.4 | 379.8 |
| 65° | 298.7 | 303.2 | 307.8 | 312.4 | 316.9 | 321.6 | 326.4 | 331.1 | 336.0 | 340.7 | 343.7 |
| 67.5° | 260.4 | 264.8 | 269.2 | 273.6 | 278.0 | 282.7 | 287.5 | 292.4 | 297.2 | 302.0 | 305.7 |
| 70° | 232.5 | 237.0 | 241.6 | 246.2 | 250.8 | 255.6 | 260.8 | 266.0 | 271.1 | 276.3 | 280.1 |
| 72.5° | 205.3 | 210.0 | 214.7 | 219.5 | 224.2 | 229.4 | 235.1 | 240.7 | 246.3 | 252.0 | 256.1 |
| 75° | 164.5 | 169.7 | 174.9 | 180.0 | 185.2 | 191.0 | 197.3 | 203.7 | 210.0 | 216.4 | 220.3 |
| 77.5° | 125.4 | 131.3 | 137.3 | 143.3 | 149.2 | 155.2 | 161.4 | 167.5 | 173.6 | 179.8 | 184.1 |
| 80° | 101.1 | 107.0 | 113.0 | 118.9 | 124.9 | 131.2 | 138.0 | 144.7 | 151.5 | 158.3 | 162.6 |
| 82.5° | 78.9 | 85.2 | 91.4 | 97.7 | 104.0 | 110.6 | 117.5 | 124.4 | 131.3 | 138.3 | 142.5 |
| 85° | 49.2 | 55.7 | 62.3 | 68.9 | 75.4 | 82.1 | 89.1 | 96.1 | 103.1 | 109.9 | 114.3 |
| 87.5° | 28.1 | 34.8 | 41.4 | 48.0 | 54.8 | 61.6 | 68.6 | 75.7 | 82.7 | 89.7 | 94.5 |
| 90° | 15.2 | 23.1 | 31.0 | 38.9 | 46.8 | 54.8 | 62.9 | 71.0 | 79.1 | 87.2 | 92.8 |
| 92.5° | 26.3 | 31.1 | 35.9 | 40.6 | 45.5 | 51.9 | 60.0 | 68.2 | 76.3 | 84.4 | 89.8 |
| 95° | 61.2 | 65.9 | 70.4 | 75.0 | 79.6 | 81.6 | 81.0 | 80.4 | 79.8 | 79.2 | 84.6 |
| 97.5° | 114.2 | 119.9 | 125.5 | 131.3 | 137.0 | 135.8 | 127.8 | 119.7 | 111.7 | 103.7 | 102.4 |
| 100° | 155.2 | 160.0 | 164.8 | 169.5 | 174.3 | 180.2 | 187.4 | 194.5 | 201.6 | 208.7 | 184.1 |
| 102.5° | 197.0 | 201.6 | 206.2 | 210.8 | 215.4 | 221.0 | 227.6 | 234.4 | 241.0 | 247.7 | 246.2 |
| 105° | 264.1 | 268.0 | 272.0 | 276.0 | 279.9 | 284.8 | 290.8 | 296.8 | 302.7 | 308.7 | 312.6 |
| 107.5° | 333.7 | 336.4 | 339.1 | 341.8 | 344.5 | 348.9 | 355.0 | 361.1 | 367.2 | 373.3 | 377.3 |
| 110° | 378.9 | 381.3 | 383.7 | 386.1 | 388.5 | 392.7 | 398.6 | 404.6 | 410.5 | 416.5 | 419.7 |



TEST NUMBER: P333414-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 422.1 | 424.6 | 426.9 | 429.3 | 431.6 | 435.7 | 441.3 | 446.9 | 452.5 | 458.2 | 461.1 |
| 115° | 486.0 | 488.4 | 490.8 | 493.1 | 495.5 | 499.3 | 504.7 | 510.1 | 515.4 | 520.7 | 523.6 |
| 117.5° | 552.2 | 553.1 | 554.0 | 554.8 | 555.7 | 559.0 | 564.6 | 570.2 | 575.8 | 581.4 | 583.8 |
| 120° | 594.0 | 594.4 | 594.8 | 595.2 | 595.6 | 598.4 | 603.6 | 608.7 | 613.8 | 619.0 | 622.0 |
| 122.5° | 630.2 | 631.2 | 632.2 | 633.3 | 634.3 | 637.1 | 641.8 | 646.4 | 651.2 | 655.8 | 658.7 |
| 125° | 687.2 | 688.3 | 689.5 | 690.6 | 691.8 | 694.3 | 698.3 | 702.3 | 706.3 | 710.2 | 712.6 |
| 127.5° | 740.8 | 741.5 | 742.3 | 743.0 | 743.8 | 745.8 | 748.9 | 752.1 | 755.2 | 758.4 | 760.9 |
| 130° | 774.2 | 775.0 | 775.8 | 776.5 | 777.3 | 779.1 | 782.1 | 785.1 | 788.1 | 791.1 | 793.2 |
| 132.5° | 806.9 | 808.0 | 809.1 | 810.2 | 811.2 | 812.7 | 814.4 | 816.1 | 817.8 | 819.5 | 822.2 |
| 135° | 854.3 | 855.2 | 856.2 | 857.2 | 858.2 | 859.1 | 860.1 | 861.2 | 862.1 | 863.2 | 865.3 |
| 137.5° | 897.9 | 898.7 | 899.5 | 900.3 | 901.2 | 901.8 | 902.2 | 902.5 | 902.8 | 903.1 | 905.5 |
| 140° | 925.7 | 926.1 | 926.4 | 926.9 | 927.2 | 927.4 | 927.4 | 927.5 | 927.5 | 927.5 | 930.1 |
| 142.5° | 951.5 | 951.5 | 951.6 | 951.7 | 951.7 | 951.9 | 952.3 | 952.5 | 952.9 | 953.2 | 955.1 |
| 145° | 989.2 | 989.5 | 989.6 | 989.8 | 990.0 | 990.1 | 990.1 | 990.1 | 990.1 | 990.1 | 991.3 |
| 147.5° | 1021.4 | 1021.4 | 1021.3 | 1021.2 | 1021.1 | 1021.2 | 1021.4 | 1021.7 | 1021.9 | 1022.1 | 1022.7 |
| 150° | 1042.3 | 1042.0 | 1041.6 | 1041.2 | 1040.8 | 1040.8 | 1041.2 | 1041.6 | 1042.0 | 1042.3 | 1042.8 |
| 152.5° | 1062.6 | 1061.7 | 1060.8 | 1060.0 | 1059.1 | 1058.9 | 1059.3 | 1059.7 | 1060.1 | 1060.4 | 1060.8 |
| 155° | 1088.5 | 1087.4 | 1086.2 | 1085.0 | 1083.8 | 1083.5 | 1083.8 | 1084.3 | 1084.6 | 1085.0 | 1085.5 |
| 157.5° | 1108.5 | 1107.8 | 1107.2 | 1106.5 | 1105.7 | 1105.4 | 1105.4 | 1105.4 | 1105.5 | 1105.5 | 1106.2 |
| 160° | 1122.5 | 1121.3 | 1120.2 | 1119.0 | 1117.8 | 1117.3 | 1117.5 | 1117.8 | 1117.9 | 1118.1 | 1118.9 |
| 162.5° | 1133.6 | 1132.5 | 1131.3 | 1130.1 | 1128.9 | 1128.4 | 1128.7 | 1128.9 | 1129.0 | 1129.2 | 1130.3 |
| 165° | 1148.6 | 1147.5 | 1146.2 | 1145.1 | 1143.9 | 1143.4 | 1143.7 | 1143.8 | 1144.0 | 1144.2 | 1145.4 |
| 167.5° | 1159.7 | 1158.6 | 1157.4 | 1156.2 | 1154.9 | 1154.4 | 1154.6 | 1154.8 | 1155.0 | 1155.2 | 1156.6 |
| 170° | 1166.0 | 1164.7 | 1163.3 | 1161.9 | 1160.5 | 1160.0 | 1160.2 | 1160.4 | 1160.5 | 1160.8 | 1162.4 |
| 172.5° | 1170.2 | 1168.8 | 1167.4 | 1166.1 | 1164.8 | 1164.2 | 1164.6 | 1164.9 | 1165.3 | 1165.6 | 1167.0 |
| 175° | 1174.7 | 1173.5 | 1172.3 | 1171.2 | 1170.0 | 1169.6 | 1169.8 | 1169.9 | 1170.2 | 1170.4 | 1171.9 |
| 177.5° | 1176.8 | 1175.9 | 1174.9 | 1174.0 | 1173.1 | 1172.7 | 1172.9 | 1173.0 | 1173.1 | 1173.3 | 1174.4 |
| 180° | 1174.7 | 1174.7 | 1174.7 | 1174.7 | 1174.7 | 1174.7 | 1174.7 | 1174.7 | 1174.7 | 1174.7 | 1174.7 |



TEST NUMBER: P333414-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 912.1 | 912.1 | 912.1 | 912.1 | 912.1 | 912.1 | 912.1 | 912.1 |
| 2.5° | 910.0 | 911.1 | 912.2 | 912.7 | 912.6 | 912.4 | 912.2 | 912.1 |
| 5° | 907.2 | 908.8 | 910.4 | 911.1 | 910.9 | 910.7 | 910.5 | 910.3 |
| 7.5° | 899.7 | 901.0 | 902.4 | 903.0 | 902.8 | 902.7 | 902.4 | 902.2 |
| 10° | 892.5 | 893.9 | 895.3 | 895.9 | 895.7 | 895.5 | 895.3 | 895.1 |
| 12.5° | 884.0 | 885.1 | 886.1 | 886.4 | 885.9 | 885.4 | 884.8 | 884.3 |
| 15° | 868.0 | 869.2 | 870.4 | 870.6 | 869.8 | 868.9 | 868.1 | 867.4 |
| 17.5° | 847.6 | 848.5 | 849.4 | 849.6 | 849.1 | 848.7 | 848.2 | 847.7 |
| 20° | 831.9 | 832.5 | 833.1 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 |
| 22.5° | 815.8 | 816.5 | 817.3 | 817.4 | 816.9 | 816.5 | 816.0 | 815.5 |
| 25° | 790.3 | 791.1 | 791.9 | 791.8 | 790.7 | 789.8 | 788.8 | 787.8 |
| 27.5° | 760.6 | 761.2 | 761.7 | 761.9 | 761.5 | 761.1 | 760.8 | 760.4 |
| 30° | 740.3 | 740.7 | 741.1 | 741.2 | 741.0 | 740.8 | 740.6 | 740.4 |
| 32.5° | 721.0 | 721.3 | 721.8 | 721.9 | 721.7 | 721.5 | 721.3 | 721.1 |
| 35° | 689.7 | 690.3 | 691.0 | 691.2 | 691.2 | 691.2 | 691.2 | 691.2 |
| 37.5° | 656.9 | 657.6 | 658.4 | 658.8 | 658.8 | 658.7 | 658.6 | 658.5 |
| 40° | 634.6 | 635.5 | 636.3 | 636.9 | 637.2 | 637.7 | 638.1 | 638.4 |
| 42.5° | 614.2 | 615.2 | 616.1 | 616.6 | 616.7 | 616.8 | 616.9 | 617.0 |
| 45° | 581.3 | 582.7 | 584.1 | 584.9 | 585.1 | 585.3 | 585.5 | 585.7 |
| 47.5° | 547.3 | 549.4 | 551.4 | 552.7 | 553.1 | 553.5 | 554.0 | 554.4 |
| 50° | 524.8 | 527.0 | 529.2 | 530.5 | 531.2 | 531.8 | 532.4 | 533.0 |
| 52.5° | 502.2 | 504.5 | 506.9 | 508.3 | 508.8 | 509.2 | 509.6 | 510.1 |
| 55° | 466.7 | 468.9 | 471.1 | 472.5 | 473.3 | 474.2 | 474.9 | 475.7 |
| 57.5° | 431.5 | 434.0 | 436.5 | 438.1 | 438.7 | 439.3 | 439.9 | 440.5 |
| 60° | 407.4 | 410.4 | 413.5 | 415.2 | 415.8 | 416.4 | 417.0 | 417.6 |
| 62.5° | 383.1 | 386.3 | 389.7 | 391.7 | 392.4 | 393.2 | 393.9 | 394.7 |
| 65° | 346.6 | 349.7 | 352.6 | 354.5 | 355.3 | 356.1 | 356.9 | 357.7 |
| 67.5° | 309.3 | 312.9 | 316.5 | 318.8 | 319.9 | 320.9 | 321.9 | 323.0 |
| 70° | 283.9 | 287.7 | 291.4 | 293.9 | 295.1 | 296.3 | 297.5 | 298.7 |
| 72.5° | 260.2 | 264.2 | 268.4 | 270.9 | 271.7 | 272.6 | 273.5 | 274.3 |
| 75° | 224.4 | 228.3 | 232.3 | 234.8 | 235.7 | 236.8 | 237.7 | 238.8 |
| 77.5° | 188.5 | 192.9 | 197.3 | 199.8 | 200.6 | 201.4 | 202.2 | 203.0 |
| 80° | 167.0 | 171.4 | 175.7 | 178.3 | 179.2 | 179.9 | 180.7 | 181.5 |
| 82.5° | 146.6 | 150.8 | 155.1 | 157.9 | 159.4 | 160.7 | 162.2 | 163.7 |
| 85° | 118.7 | 123.1 | 127.5 | 130.4 | 132.1 | 133.6 | 135.3 | 136.8 |
| 87.5° | 99.3 | 104.0 | 108.7 | 111.9 | 113.4 | 114.9 | 116.4 | 118.0 |
| 90° | 98.3 | 103.8 | 109.4 | 113.1 | 115.1 | 117.1 | 119.1 | 121.1 |
| 92.5° | 95.1 | 100.6 | 105.9 | 109.4 | 111.1 | 112.8 | 114.4 | 116.1 |
| 95° | 89.9 | 95.2 | 100.6 | 103.9 | 105.3 | 106.7 | 108.1 | 109.5 |
| 97.5° | 101.1 | 99.8 | 98.5 | 98.6 | 99.9 | 101.3 | 102.6 | 103.9 |
| 100° | 159.5 | 134.7 | 110.1 | 98.0 | 98.4 | 98.8 | 99.3 | 99.6 |
| 102.5° | 244.8 | 243.3 | 241.9 | 235.2 | 223.3 | 211.3 | 199.3 | 187.4 |
| 105° | 316.6 | 320.6 | 324.6 | 327.2 | 328.4 | 329.6 | 330.7 | 331.9 |
| 107.5° | 381.3 | 385.3 | 389.3 | 391.6 | 392.2 | 392.9 | 393.5 | 394.2 |
| 110° | 422.8 | 426.0 | 429.2 | 431.6 | 433.3 | 434.8 | 436.4 | 438.0 |



TEST NUMBER: P333414-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 464.0 | 466.8 | 469.7 | 471.7 | 472.9 | 474.0 | 475.1 | 476.2 |
| 115° | 526.4 | 529.2 | 532.0 | 533.4 | 533.5 | 533.5 | 533.5 | 533.6 |
| 117.5° | 586.2 | 588.6 | 590.9 | 592.5 | 593.4 | 594.3 | 595.1 | 595.9 |
| 120° | 625.0 | 627.9 | 630.9 | 632.6 | 632.7 | 633.0 | 633.3 | 633.4 |
| 122.5° | 661.5 | 664.3 | 667.2 | 668.7 | 668.7 | 668.7 | 668.8 | 668.9 |
| 125° | 715.1 | 717.5 | 719.9 | 721.3 | 721.7 | 722.1 | 722.5 | 722.9 |
| 127.5° | 763.4 | 765.9 | 768.4 | 769.6 | 769.3 | 769.0 | 768.7 | 768.4 |
| 130° | 795.5 | 797.6 | 799.9 | 801.0 | 801.0 | 801.0 | 801.1 | 801.1 |
| 132.5° | 824.8 | 827.5 | 830.2 | 831.5 | 831.3 | 831.2 | 831.0 | 831.0 |
| 135° | 867.5 | 869.7 | 871.9 | 873.0 | 872.8 | 872.6 | 872.5 | 872.3 |
| 137.5° | 907.9 | 910.4 | 912.8 | 913.9 | 913.7 | 913.5 | 913.3 | 913.1 |
| 140° | 932.5 | 935.1 | 937.7 | 938.8 | 938.5 | 938.1 | 937.7 | 937.4 |
| 142.5° | 957.1 | 959.0 | 961.0 | 961.7 | 961.4 | 961.0 | 960.6 | 960.3 |
| 145° | 992.5 | 993.7 | 994.8 | 995.2 | 994.9 | 994.5 | 994.1 | 993.8 |
| 147.5° | 1023.2 | 1023.8 | 1024.3 | 1024.1 | 1023.0 | 1022.0 | 1021.0 | 1019.9 |
| 150° | 1043.1 | 1043.5 | 1043.9 | 1043.4 | 1042.1 | 1040.7 | 1039.4 | 1038.0 |
| 152.5° | 1061.2 | 1061.6 | 1062.0 | 1061.5 | 1060.1 | 1058.8 | 1057.5 | 1056.1 |
| 155° | 1086.2 | 1086.8 | 1087.4 | 1086.8 | 1085.3 | 1083.7 | 1082.2 | 1080.6 |
| 157.5° | 1106.8 | 1107.4 | 1108.0 | 1107.6 | 1106.0 | 1104.5 | 1102.9 | 1101.4 |
| 160° | 1119.6 | 1120.4 | 1121.2 | 1120.8 | 1119.3 | 1117.8 | 1116.2 | 1114.7 |
| 162.5° | 1131.4 | 1132.5 | 1133.6 | 1133.2 | 1131.5 | 1129.9 | 1128.2 | 1126.4 |
| 165° | 1146.5 | 1147.7 | 1148.8 | 1148.7 | 1147.1 | 1145.6 | 1144.0 | 1142.5 |
| 167.5° | 1158.0 | 1159.3 | 1160.8 | 1160.6 | 1158.8 | 1157.1 | 1155.4 | 1153.7 |
| 170° | 1163.9 | 1165.4 | 1167.0 | 1166.8 | 1165.1 | 1163.4 | 1161.7 | 1159.9 |
| 172.5° | 1168.5 | 1169.8 | 1171.2 | 1171.0 | 1169.3 | 1167.5 | 1165.8 | 1164.1 |
| 175° | 1173.5 | 1175.0 | 1176.6 | 1176.5 | 1174.7 | 1172.9 | 1171.2 | 1169.5 |
| 177.5° | 1175.4 | 1176.6 | 1177.7 | 1177.6 | 1176.3 | 1175.1 | 1173.9 | 1172.6 |
| 180° | 1174.7 | 1174.7 | 1174.7 | 1174.7 | 1174.7 | 1174.7 | 1174.7 | 1174.7 |

(END OF REPORT)