

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: P333421-930

Luminaire Tested: **S125DIW-S850D1340U930-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333421-930
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: S125DIW-S850D1340U930-4F0-1E-UDD-D1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6470.2 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

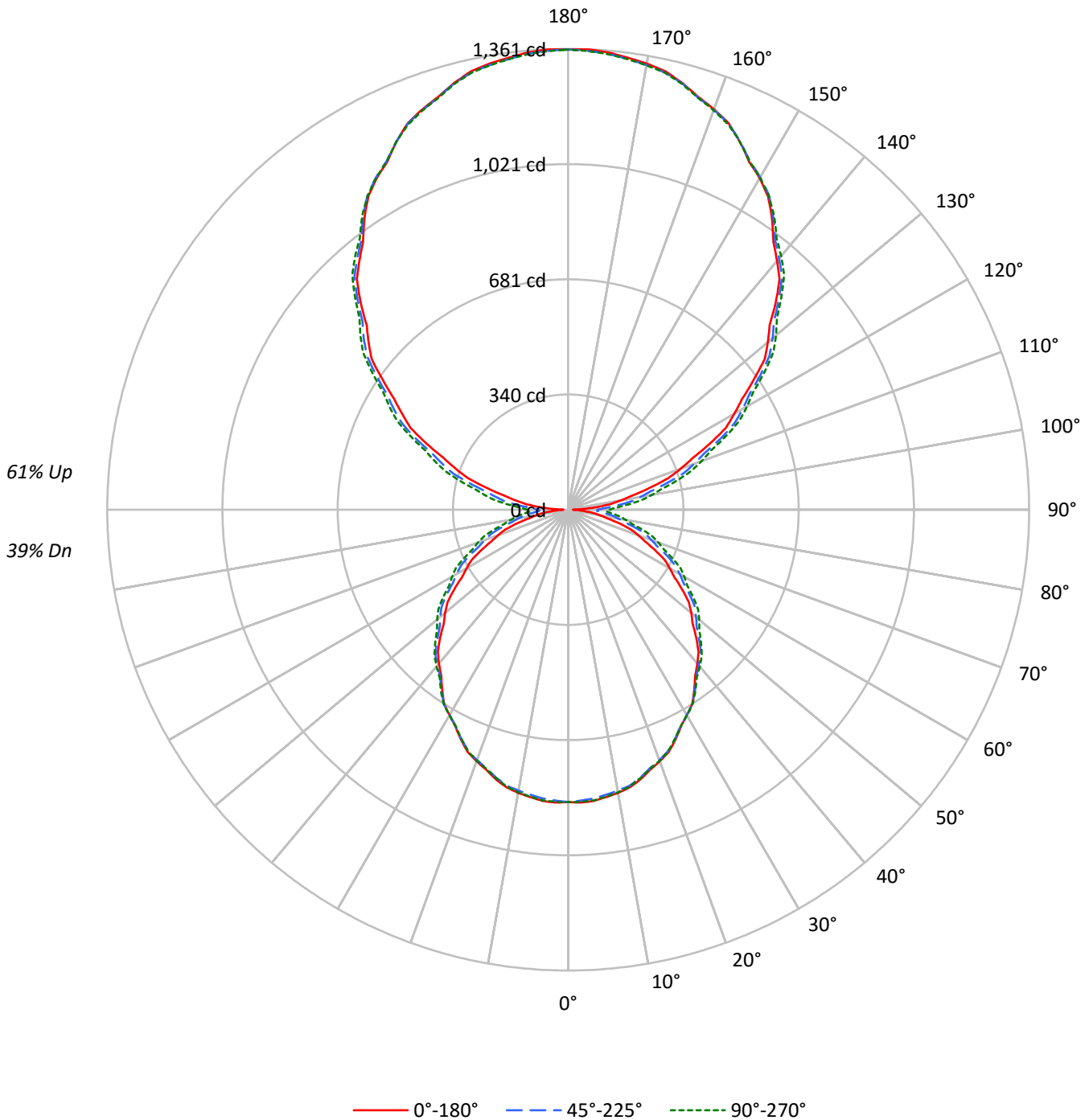
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333421-930

CATALOG NUMBER: S125DIW-S850D1340U930-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P333421-930

CATALOG NUMBER: S125DIW-S850D1340U930-4F0-1E-UDD-D1

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 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 |
| 1 | 95 | 90 | 86 | 83 | 86 | 82 | 79 | 75 | 67 | 64 | 62 | 53 | 51 | 49 | 40 | 39 | 38 | 32 |
| 2 | 86 | 78 | 72 | 67 | 78 | 71 | 66 | 61 | 58 | 54 | 51 | 46 | 43 | 41 | 35 | 33 | 31 | 26 |
| 3 | 78 | 69 | 61 | 55 | 71 | 63 | 56 | 51 | 51 | 46 | 42 | 40 | 37 | 34 | 30 | 28 | 26 | 22 |
| 4 | 71 | 61 | 53 | 47 | 65 | 55 | 48 | 43 | 45 | 40 | 36 | 36 | 32 | 29 | 27 | 25 | 22 | 18 |
| 5 | 65 | 54 | 46 | 40 | 59 | 49 | 42 | 37 | 40 | 35 | 31 | 32 | 28 | 25 | 24 | 22 | 19 | 16 |
| 6 | 60 | 48 | 40 | 34 | 54 | 44 | 37 | 32 | 36 | 31 | 27 | 29 | 25 | 22 | 22 | 19 | 17 | 14 |
| 7 | 56 | 43 | 35 | 30 | 50 | 40 | 33 | 28 | 33 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 12 |
| 8 | 52 | 39 | 32 | 26 | 47 | 36 | 29 | 24 | 30 | 24 | 21 | 24 | 20 | 17 | 18 | 16 | 13 | 11 |
| 9 | 48 | 36 | 28 | 23 | 43 | 33 | 26 | 22 | 27 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 12 | 10 |
| 10 | 45 | 33 | 26 | 21 | 41 | 30 | 24 | 19 | 25 | 20 | 17 | 20 | 16 | 14 | 16 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5577 | 5577 | 5577 |
| 5° | 5589 | 5475 | 5492 |
| 10° | 5549 | 5377 | 5369 |
| 15° | 5484 | 5260 | 5212 |
| 20° | 5394 | 5115 | 5055 |
| 25° | 5288 | 4960 | 4863 |
| 30° | 5160 | 4791 | 4687 |
| 35° | 5040 | 4634 | 4526 |
| 40° | 4918 | 4469 | 4364 |
| 45° | 4780 | 4328 | 4221 |
| 50° | 4649 | 4175 | 4095 |
| 55° | 4491 | 4030 | 3946 |
| 60° | 4317 | 3865 | 3793 |
| 65° | 4137 | 3693 | 3622 |
| 70° | 3931 | 3457 | 3446 |
| 75° | 3607 | 3230 | 3231 |
| 80° | 3183 | 2957 | 2996 |
| 85° | 2789 | 2770 | 2923 |



TEST NUMBER: P333421-930

CATALOG NUMBER: S125DIW-S850D1340U930-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 81.7 | 1.3 |
| 10°-20° | 231.8 | 3.6 |
| 20°-30° | 344.8 | 5.3 |
| 30°-40° | 408.4 | 6.3 |
| 40°-50° | 422.2 | 6.5 |
| 50°-60° | 389.0 | 6.0 |
| 60°-70° | 314.4 | 4.9 |
| 70°-80° | 210.6 | 3.3 |
| 80°-90° | 112.2 | 1.7 |
| 90°-100° | 152.3 | 2.4 |
| 100°-110° | 314.0 | 4.9 |
| 110°-120° | 485.5 | 7.5 |
| 120°-130° | 616.3 | 9.5 |
| 130°-140° | 678.9 | 10.5 |
| 140°-150° | 659.5 | 10.2 |
| 150°-160° | 552.7 | 8.5 |
| 160°-170° | 367.4 | 5.7 |
| 170°-180° | 128.6 | 2.0 |
| 0°-30° | 658.3 | 10.2 |
| 0°-40° | 1066.7 | 16.5 |
| 0°-60° | 1877.9 | 29.0 |
| 0°-90° | 2515.1 | 38.9 |
| 90°-120° | 951.8 | 14.7 |
| 90°-150° | 2906.5 | 44.9 |
| 90°-180° | 3955.0 | 61.1 |
| 0°-180° | 6470.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 864 | 864 | 864 | 864 | 864 | |
| 5° | 864 | 862 | 856 | 862 | 862 | 82 |
| 15° | 825 | 825 | 820 | 824 | 821 | 232 |
| 25° | 749 | 751 | 747 | 750 | 746 | 345 |
| 35° | 649 | 654 | 652 | 654 | 654 | 406 |
| 45° | 534 | 543 | 548 | 553 | 555 | 412 |
| 55° | 411 | 424 | 438 | 447 | 450 | 367 |
| 65° | 283 | 302 | 323 | 335 | 339 | 280 |
| 75° | 156 | 178 | 205 | 221 | 226 | 165 |
| 85° | 47 | 75 | 104 | 122 | 130 | 50 |
| 90° | 15 | 50 | 86 | 110 | 120 | 13 |
| 95° | 80 | 105 | 143 | 168 | 177 | 82 |
| 105° | 249 | 268 | 299 | 322 | 332 | 266 |
| 115° | 461 | 472 | 495 | 509 | 513 | 456 |
| 125° | 669 | 675 | 692 | 703 | 707 | 598 |
| 135° | 867 | 872 | 879 | 890 | 890 | 668 |
| 145° | 1049 | 1052 | 1056 | 1059 | 1060 | 655 |
| 155° | 1199 | 1199 | 1200 | 1204 | 1199 | 552 |
| 165° | 1304 | 1302 | 1303 | 1307 | 1301 | 368 |
| 175° | 1356 | 1352 | 1352 | 1357 | 1350 | 129 |
| 180° | 1359 | 1359 | 1359 | 1359 | 1359 | |



TEST NUMBER: P333421-930

CATALOG NUMBER: S125DIW-S850D1340U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 |
| 2.5° | 865.7 | 865.4 | 865.1 | 864.8 | 864.5 | 863.8 | 862.7 | 861.7 | 860.6 | 859.6 | 860.6 |
| 5° | 863.6 | 863.3 | 862.9 | 862.5 | 862.2 | 861.3 | 860.0 | 858.7 | 857.4 | 856.1 | 857.5 |
| 7.5° | 856.1 | 855.9 | 855.7 | 855.6 | 855.4 | 854.7 | 853.4 | 852.0 | 850.6 | 849.3 | 850.6 |
| 10° | 849.3 | 849.3 | 849.3 | 849.3 | 849.3 | 848.6 | 847.0 | 845.5 | 844.0 | 842.5 | 843.8 |
| 12.5° | 839.8 | 839.9 | 840.1 | 840.2 | 840.4 | 839.8 | 838.7 | 837.5 | 836.3 | 835.0 | 836.1 |
| 15° | 824.8 | 824.9 | 825.1 | 825.2 | 825.5 | 824.9 | 823.6 | 822.3 | 820.9 | 819.6 | 820.8 |
| 17.5° | 805.1 | 805.4 | 805.8 | 806.2 | 806.6 | 806.1 | 804.8 | 803.5 | 802.2 | 800.9 | 801.7 |
| 20° | 790.8 | 791.2 | 791.6 | 792.0 | 792.4 | 791.9 | 790.6 | 789.3 | 787.9 | 786.6 | 787.2 |
| 22.5° | 774.6 | 775.3 | 775.9 | 776.7 | 777.3 | 776.9 | 775.4 | 774.0 | 772.5 | 771.0 | 771.8 |
| 25° | 749.3 | 749.9 | 750.5 | 751.1 | 751.6 | 751.3 | 750.2 | 749.1 | 748.0 | 746.8 | 747.5 |
| 27.5° | 721.2 | 722.1 | 722.9 | 723.7 | 724.6 | 724.3 | 723.1 | 721.8 | 720.5 | 719.3 | 719.7 |
| 30° | 700.3 | 701.4 | 702.5 | 703.6 | 704.7 | 704.7 | 703.6 | 702.5 | 701.4 | 700.3 | 700.7 |
| 32.5° | 681.3 | 682.2 | 683.2 | 684.2 | 685.2 | 685.3 | 684.4 | 683.6 | 682.8 | 682.0 | 682.3 |
| 35° | 648.6 | 650.0 | 651.3 | 652.6 | 653.9 | 654.3 | 653.7 | 653.1 | 652.6 | 652.0 | 652.6 |
| 37.5° | 615.9 | 617.1 | 618.3 | 619.5 | 620.8 | 621.3 | 621.0 | 620.9 | 620.7 | 620.5 | 621.3 |
| 40° | 593.5 | 595.1 | 596.6 | 598.1 | 599.6 | 600.2 | 600.1 | 599.9 | 599.7 | 599.5 | 600.2 |
| 42.5° | 569.2 | 571.1 | 573.1 | 575.0 | 577.0 | 578.2 | 578.6 | 579.0 | 579.4 | 579.8 | 580.7 |
| 45° | 534.3 | 536.4 | 538.4 | 540.5 | 542.6 | 544.0 | 545.0 | 545.9 | 546.9 | 547.8 | 549.2 |
| 47.5° | 498.6 | 500.5 | 502.4 | 504.3 | 506.2 | 508.0 | 509.6 | 511.3 | 512.8 | 514.5 | 516.4 |
| 50° | 474.2 | 476.2 | 478.3 | 480.4 | 482.4 | 484.5 | 486.6 | 488.7 | 490.7 | 492.8 | 494.9 |
| 52.5° | 448.4 | 450.9 | 453.5 | 456.0 | 458.5 | 461.1 | 463.6 | 466.1 | 468.6 | 471.2 | 473.4 |
| 55° | 410.7 | 413.7 | 416.7 | 419.7 | 422.7 | 425.7 | 428.8 | 431.8 | 434.7 | 437.7 | 439.9 |
| 57.5° | 372.0 | 375.7 | 379.3 | 382.9 | 386.5 | 390.0 | 393.5 | 397.0 | 400.4 | 403.9 | 406.3 |
| 60° | 346.3 | 350.1 | 353.8 | 357.6 | 361.3 | 365.2 | 368.9 | 372.7 | 376.4 | 380.2 | 383.0 |
| 62.5° | 321.2 | 325.0 | 328.8 | 332.6 | 336.3 | 340.2 | 344.3 | 348.4 | 352.4 | 356.4 | 359.6 |
| 65° | 282.8 | 287.1 | 291.5 | 295.8 | 300.1 | 304.5 | 309.1 | 313.6 | 318.1 | 322.6 | 325.5 |
| 67.5° | 246.5 | 250.8 | 254.9 | 259.1 | 263.3 | 267.7 | 272.2 | 276.9 | 281.4 | 286.0 | 289.4 |
| 70° | 220.1 | 224.5 | 228.8 | 233.2 | 237.5 | 242.1 | 247.0 | 251.8 | 256.7 | 261.6 | 265.2 |
| 72.5° | 194.4 | 198.9 | 203.3 | 207.8 | 212.3 | 217.2 | 222.6 | 228.0 | 233.3 | 238.6 | 242.5 |
| 75° | 155.8 | 160.7 | 165.6 | 170.5 | 175.4 | 180.8 | 186.9 | 192.9 | 198.9 | 204.9 | 208.6 |
| 77.5° | 118.7 | 124.3 | 130.0 | 135.7 | 141.3 | 147.0 | 152.8 | 158.6 | 164.4 | 170.2 | 174.3 |
| 80° | 95.7 | 101.3 | 107.0 | 112.6 | 118.3 | 124.3 | 130.7 | 137.1 | 143.5 | 149.9 | 154.0 |
| 82.5° | 74.7 | 80.6 | 86.6 | 92.5 | 98.5 | 104.7 | 111.3 | 117.8 | 124.3 | 130.9 | 134.9 |
| 85° | 46.6 | 52.7 | 59.0 | 65.2 | 71.4 | 77.8 | 84.4 | 91.0 | 97.6 | 104.1 | 108.3 |
| 87.5° | 26.7 | 33.0 | 39.5 | 45.8 | 52.2 | 58.8 | 65.5 | 72.2 | 78.9 | 85.7 | 90.3 |
| 90° | 14.6 | 22.5 | 30.4 | 38.3 | 46.2 | 54.2 | 62.2 | 70.3 | 78.4 | 86.3 | 91.9 |
| 92.5° | 37.7 | 44.7 | 51.5 | 58.5 | 65.3 | 73.1 | 81.6 | 90.2 | 98.7 | 107.3 | 113.1 |
| 95° | 79.7 | 85.1 | 90.5 | 95.8 | 101.2 | 108.3 | 117.0 | 125.7 | 134.5 | 143.2 | 149.0 |
| 97.5° | 124.2 | 128.8 | 133.4 | 137.9 | 142.6 | 149.6 | 159.0 | 168.4 | 177.8 | 187.3 | 192.7 |
| 100° | 157.4 | 161.3 | 165.3 | 169.3 | 173.2 | 179.7 | 188.7 | 197.9 | 206.9 | 216.0 | 222.1 |
| 102.5° | 193.1 | 197.6 | 202.3 | 206.8 | 211.4 | 217.4 | 224.9 | 232.3 | 239.7 | 247.1 | 253.2 |
| 105° | 248.7 | 252.9 | 257.1 | 261.3 | 265.5 | 271.1 | 278.2 | 285.2 | 292.3 | 299.3 | 304.5 |
| 107.5° | 310.3 | 314.1 | 317.8 | 321.6 | 325.3 | 330.4 | 336.9 | 343.4 | 349.9 | 356.4 | 360.9 |
| 110° | 352.8 | 356.3 | 359.7 | 363.1 | 366.6 | 371.3 | 377.2 | 383.2 | 389.1 | 395.2 | 399.4 |



TEST NUMBER: P333421-930

CATALOG NUMBER: S125DIW-S850D1340U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 396.8 | 399.3 | 401.6 | 404.1 | 406.5 | 410.7 | 416.7 | 422.7 | 428.7 | 434.7 | 438.5 |
| 115° | 460.9 | 463.2 | 465.4 | 467.7 | 469.9 | 473.8 | 479.1 | 484.5 | 489.8 | 495.2 | 498.3 |
| 117.5° | 525.2 | 526.5 | 527.7 | 529.0 | 530.4 | 533.5 | 538.6 | 543.6 | 548.7 | 553.8 | 557.1 |
| 120° | 565.8 | 567.5 | 569.3 | 571.0 | 572.7 | 575.9 | 580.5 | 585.1 | 589.6 | 594.2 | 597.4 |
| 122.5° | 609.1 | 609.8 | 610.5 | 611.1 | 611.9 | 614.6 | 619.4 | 624.2 | 629.0 | 633.7 | 636.6 |
| 125° | 668.6 | 669.8 | 671.1 | 672.3 | 673.5 | 676.1 | 680.1 | 684.1 | 688.1 | 692.1 | 694.6 |
| 127.5° | 731.2 | 731.8 | 732.5 | 733.0 | 733.7 | 735.6 | 739.0 | 742.4 | 745.8 | 749.1 | 751.6 |
| 130° | 769.3 | 770.3 | 771.3 | 772.3 | 773.2 | 775.3 | 778.4 | 781.5 | 784.6 | 787.7 | 790.1 |
| 132.5° | 806.7 | 808.5 | 810.5 | 812.4 | 814.2 | 816.1 | 818.1 | 820.0 | 822.0 | 823.9 | 826.3 |
| 135° | 866.8 | 868.0 | 869.3 | 870.5 | 871.7 | 873.1 | 874.7 | 876.2 | 877.8 | 879.3 | 881.7 |
| 137.5° | 923.3 | 924.5 | 925.8 | 926.9 | 928.1 | 929.4 | 930.5 | 931.6 | 932.8 | 934.0 | 936.5 |
| 140° | 959.0 | 960.2 | 961.4 | 962.5 | 963.7 | 964.7 | 965.6 | 966.5 | 967.4 | 968.3 | 970.9 |
| 142.5° | 995.4 | 996.2 | 997.0 | 997.9 | 998.7 | 999.6 | 1000.5 | 1001.5 | 1002.4 | 1003.3 | 1005.4 |
| 145° | 1048.9 | 1049.6 | 1050.4 | 1051.2 | 1051.9 | 1052.6 | 1053.4 | 1054.0 | 1054.8 | 1055.5 | 1056.4 |
| 147.5° | 1097.6 | 1098.0 | 1098.6 | 1099.1 | 1099.6 | 1100.2 | 1100.7 | 1101.3 | 1101.9 | 1102.4 | 1103.3 |
| 150° | 1130.6 | 1130.3 | 1130.1 | 1129.8 | 1129.6 | 1129.9 | 1130.9 | 1131.9 | 1132.8 | 1133.8 | 1133.8 |
| 152.5° | 1157.6 | 1158.0 | 1158.3 | 1158.6 | 1158.9 | 1159.3 | 1159.7 | 1160.0 | 1160.4 | 1160.8 | 1161.4 |
| 155° | 1199.3 | 1199.3 | 1199.3 | 1199.3 | 1199.3 | 1199.4 | 1199.6 | 1199.9 | 1200.1 | 1200.4 | 1201.3 |
| 157.5° | 1236.5 | 1236.0 | 1235.5 | 1234.9 | 1234.4 | 1234.3 | 1234.5 | 1234.8 | 1235.0 | 1235.3 | 1236.2 |
| 160° | 1258.5 | 1257.8 | 1257.1 | 1256.4 | 1255.7 | 1255.5 | 1255.7 | 1256.0 | 1256.1 | 1256.4 | 1257.4 |
| 162.5° | 1278.0 | 1277.5 | 1276.9 | 1276.4 | 1275.9 | 1275.7 | 1275.7 | 1275.8 | 1275.8 | 1275.9 | 1277.0 |
| 165° | 1304.0 | 1303.5 | 1303.0 | 1302.6 | 1302.1 | 1302.0 | 1302.2 | 1302.4 | 1302.7 | 1302.9 | 1303.9 |
| 167.5° | 1326.0 | 1325.0 | 1324.1 | 1323.1 | 1322.3 | 1321.8 | 1321.8 | 1321.8 | 1321.8 | 1321.8 | 1323.1 |
| 170° | 1337.8 | 1336.9 | 1335.9 | 1335.1 | 1334.1 | 1333.6 | 1333.6 | 1333.6 | 1333.6 | 1333.6 | 1335.1 |
| 172.5° | 1346.3 | 1345.3 | 1344.4 | 1343.5 | 1342.6 | 1342.1 | 1342.1 | 1342.1 | 1342.1 | 1342.1 | 1343.5 |
| 175° | 1355.8 | 1354.9 | 1354.0 | 1353.0 | 1352.1 | 1351.6 | 1351.6 | 1351.6 | 1351.6 | 1351.6 | 1353.0 |
| 177.5° | 1360.7 | 1359.9 | 1359.2 | 1358.5 | 1357.6 | 1357.2 | 1357.0 | 1356.8 | 1356.7 | 1356.4 | 1357.6 |
| 180° | 1359.0 | 1359.0 | 1359.0 | 1359.0 | 1359.0 | 1359.0 | 1359.0 | 1359.0 | 1359.0 | 1359.0 | 1359.0 |



TEST NUMBER: P333421-930

CATALOG NUMBER: S125DIW-S850D1340U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 |
| 2.5° | 861.7 | 862.7 | 863.8 | 864.3 | 864.1 | 864.0 | 863.8 | 863.6 |
| 5° | 859.1 | 860.5 | 862.1 | 862.7 | 862.5 | 862.3 | 862.2 | 862.0 |
| 7.5° | 851.9 | 853.2 | 854.5 | 855.1 | 854.9 | 854.8 | 854.5 | 854.4 |
| 10° | 845.1 | 846.4 | 847.7 | 848.3 | 848.2 | 848.0 | 847.7 | 847.6 |
| 12.5° | 837.1 | 838.1 | 839.1 | 839.4 | 838.9 | 838.4 | 837.9 | 837.4 |
| 15° | 821.9 | 823.0 | 824.2 | 824.3 | 823.6 | 822.8 | 822.1 | 821.3 |
| 17.5° | 802.6 | 803.5 | 804.3 | 804.5 | 804.0 | 803.6 | 803.2 | 802.7 |
| 20° | 787.7 | 788.3 | 788.9 | 789.1 | 789.1 | 789.1 | 789.1 | 789.1 |
| 22.5° | 772.5 | 773.1 | 773.9 | 774.0 | 773.6 | 773.1 | 772.7 | 772.3 |
| 25° | 748.4 | 749.1 | 749.8 | 749.7 | 748.8 | 747.9 | 746.9 | 746.0 |
| 27.5° | 720.2 | 720.8 | 721.3 | 721.5 | 721.1 | 720.7 | 720.4 | 720.1 |
| 30° | 701.0 | 701.4 | 701.7 | 701.9 | 701.6 | 701.5 | 701.3 | 701.1 |
| 32.5° | 682.7 | 683.1 | 683.5 | 683.5 | 683.4 | 683.2 | 683.0 | 682.8 |
| 35° | 653.1 | 653.7 | 654.3 | 654.5 | 654.5 | 654.5 | 654.5 | 654.5 |
| 37.5° | 622.0 | 622.7 | 623.5 | 623.9 | 623.8 | 623.7 | 623.6 | 623.5 |
| 40° | 601.0 | 601.8 | 602.5 | 603.1 | 603.4 | 603.8 | 604.2 | 604.5 |
| 42.5° | 581.6 | 582.5 | 583.4 | 583.9 | 584.0 | 584.1 | 584.2 | 584.2 |
| 45° | 550.5 | 551.8 | 553.1 | 553.8 | 554.1 | 554.2 | 554.4 | 554.6 |
| 47.5° | 518.3 | 520.2 | 522.1 | 523.3 | 523.7 | 524.2 | 524.6 | 525.0 |
| 50° | 496.9 | 499.0 | 501.1 | 502.4 | 503.0 | 503.5 | 504.1 | 504.7 |
| 52.5° | 475.6 | 477.8 | 480.0 | 481.4 | 481.8 | 482.2 | 482.6 | 483.0 |
| 55° | 441.9 | 444.0 | 446.1 | 447.4 | 448.2 | 449.0 | 449.7 | 450.5 |
| 57.5° | 408.6 | 411.0 | 413.4 | 414.8 | 415.4 | 416.0 | 416.5 | 417.1 |
| 60° | 385.8 | 388.7 | 391.5 | 393.1 | 393.7 | 394.3 | 394.8 | 395.4 |
| 62.5° | 362.7 | 365.8 | 369.0 | 370.9 | 371.6 | 372.3 | 373.0 | 373.7 |
| 65° | 328.2 | 331.1 | 333.9 | 335.7 | 336.5 | 337.2 | 337.9 | 338.7 |
| 67.5° | 292.9 | 296.3 | 299.7 | 301.9 | 302.9 | 303.9 | 304.8 | 305.8 |
| 70° | 268.8 | 272.4 | 276.0 | 278.3 | 279.4 | 280.5 | 281.7 | 282.8 |
| 72.5° | 246.4 | 250.2 | 254.1 | 256.5 | 257.3 | 258.1 | 258.9 | 259.8 |
| 75° | 212.5 | 216.2 | 220.0 | 222.3 | 223.2 | 224.2 | 225.1 | 226.1 |
| 77.5° | 178.5 | 182.6 | 186.8 | 189.2 | 190.0 | 190.7 | 191.4 | 192.2 |
| 80° | 158.2 | 162.3 | 166.4 | 168.8 | 169.7 | 170.4 | 171.1 | 171.9 |
| 82.5° | 138.8 | 142.8 | 146.8 | 149.5 | 150.9 | 152.2 | 153.6 | 155.0 |
| 85° | 112.4 | 116.6 | 120.7 | 123.5 | 125.1 | 126.5 | 128.1 | 129.6 |
| 87.5° | 94.8 | 99.4 | 104.0 | 107.0 | 108.4 | 109.9 | 111.3 | 112.8 |
| 90° | 97.3 | 102.9 | 108.4 | 112.1 | 114.1 | 116.2 | 118.2 | 120.3 |
| 92.5° | 118.8 | 124.5 | 130.3 | 134.0 | 135.8 | 137.7 | 139.5 | 141.4 |
| 95° | 154.8 | 160.6 | 166.4 | 170.2 | 171.9 | 173.7 | 175.5 | 177.3 |
| 97.5° | 198.3 | 203.7 | 209.3 | 212.8 | 214.3 | 215.9 | 217.4 | 219.0 |
| 100° | 228.1 | 234.2 | 240.3 | 244.1 | 245.7 | 247.3 | 248.9 | 250.5 |
| 102.5° | 259.3 | 265.5 | 271.6 | 275.5 | 277.3 | 279.1 | 280.9 | 282.7 |
| 105° | 309.7 | 314.9 | 320.0 | 323.6 | 325.6 | 327.7 | 329.7 | 331.7 |
| 107.5° | 365.3 | 369.7 | 374.1 | 376.9 | 378.0 | 379.1 | 380.3 | 381.4 |
| 110° | 403.7 | 408.0 | 412.3 | 414.9 | 416.0 | 417.1 | 418.2 | 419.3 |



TEST NUMBER: P333421-930

CATALOG NUMBER: S125DIW-S850D1340U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 442.2 | 446.0 | 449.7 | 452.1 | 453.0 | 453.9 | 454.8 | 455.7 |
| 115° | 501.5 | 504.7 | 507.8 | 509.8 | 510.7 | 511.6 | 512.5 | 513.4 |
| 117.5° | 560.5 | 563.9 | 567.3 | 569.2 | 569.5 | 569.8 | 570.1 | 570.5 |
| 120° | 600.5 | 603.7 | 607.0 | 608.6 | 608.9 | 609.0 | 609.2 | 609.4 |
| 122.5° | 639.5 | 642.4 | 645.2 | 646.9 | 647.2 | 647.6 | 647.9 | 648.3 |
| 125° | 697.2 | 699.7 | 702.2 | 703.8 | 704.6 | 705.3 | 706.0 | 706.7 |
| 127.5° | 754.2 | 756.8 | 759.3 | 760.9 | 761.5 | 762.1 | 762.8 | 763.4 |
| 130° | 792.5 | 794.9 | 797.3 | 798.7 | 799.2 | 799.6 | 800.1 | 800.6 |
| 132.5° | 828.7 | 831.1 | 833.5 | 834.8 | 834.9 | 835.0 | 835.2 | 835.3 |
| 135° | 884.2 | 886.6 | 889.1 | 890.3 | 890.3 | 890.3 | 890.3 | 890.3 |
| 137.5° | 939.0 | 941.5 | 944.0 | 945.0 | 944.6 | 944.2 | 943.8 | 943.3 |
| 140° | 973.4 | 975.9 | 978.4 | 979.5 | 979.1 | 978.7 | 978.3 | 977.9 |
| 142.5° | 1007.5 | 1009.5 | 1011.5 | 1012.4 | 1011.9 | 1011.5 | 1011.1 | 1010.6 |
| 145° | 1057.4 | 1058.3 | 1059.2 | 1059.7 | 1059.7 | 1059.8 | 1059.9 | 1059.9 |
| 147.5° | 1104.2 | 1105.0 | 1105.9 | 1105.7 | 1104.4 | 1103.2 | 1101.9 | 1100.7 |
| 150° | 1133.8 | 1133.8 | 1133.8 | 1133.6 | 1133.3 | 1133.0 | 1132.7 | 1132.5 |
| 152.5° | 1161.9 | 1162.5 | 1163.0 | 1162.9 | 1162.1 | 1161.3 | 1160.5 | 1159.7 |
| 155° | 1202.2 | 1203.1 | 1204.1 | 1204.0 | 1202.8 | 1201.7 | 1200.4 | 1199.3 |
| 157.5° | 1237.1 | 1238.0 | 1239.0 | 1238.7 | 1237.1 | 1235.6 | 1234.0 | 1232.5 |
| 160° | 1258.3 | 1259.2 | 1260.1 | 1260.0 | 1258.9 | 1257.7 | 1256.5 | 1255.3 |
| 162.5° | 1278.1 | 1279.2 | 1280.3 | 1280.3 | 1278.9 | 1277.5 | 1276.2 | 1274.8 |
| 165° | 1304.8 | 1305.8 | 1306.7 | 1306.4 | 1305.0 | 1303.7 | 1302.2 | 1300.8 |
| 167.5° | 1324.6 | 1326.0 | 1327.4 | 1327.4 | 1325.9 | 1324.5 | 1323.0 | 1321.5 |
| 170° | 1336.4 | 1337.8 | 1339.2 | 1339.1 | 1337.5 | 1335.9 | 1334.2 | 1332.5 |
| 172.5° | 1344.9 | 1346.3 | 1347.7 | 1347.7 | 1346.2 | 1344.8 | 1343.3 | 1341.8 |
| 175° | 1354.4 | 1355.8 | 1357.2 | 1357.1 | 1355.4 | 1353.8 | 1352.2 | 1350.5 |
| 177.5° | 1358.7 | 1359.8 | 1361.0 | 1360.9 | 1359.5 | 1358.2 | 1356.9 | 1355.6 |
| 180° | 1359.0 | 1359.0 | 1359.0 | 1359.0 | 1359.0 | 1359.0 | 1359.0 | 1359.0 |

(END OF REPORT)