

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: P333421-940

Luminaire Tested: **S125DIW-S850D1340U940-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333421-940
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: S125DIW-S850D1340U940-4F0-1E-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: 7076.6 lumens
Efficiency: N/A
Efficacy: 115.3 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: Semi-Indirect

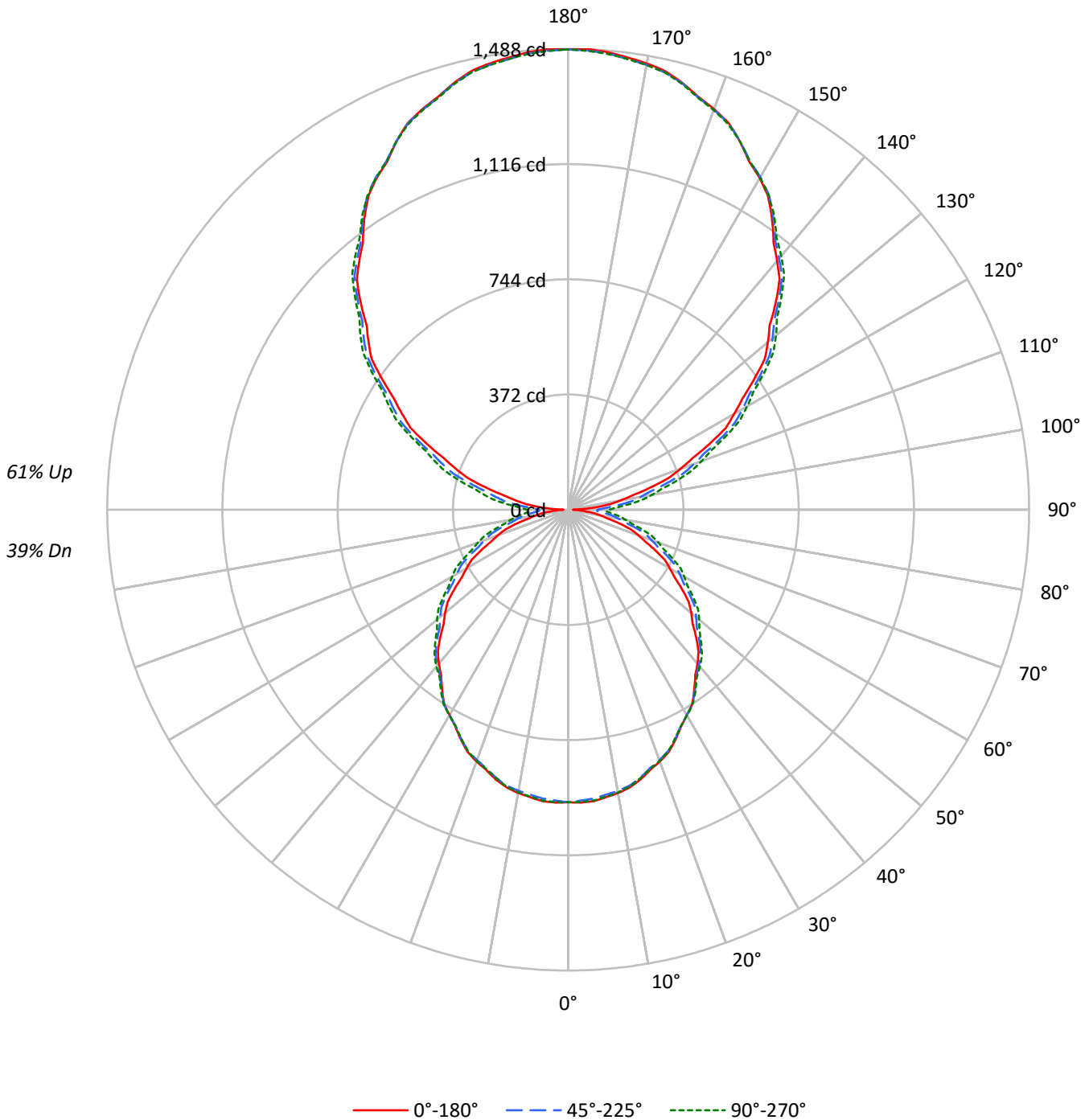
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333421-940

CATALOG NUMBER: S125DIW-S850D1340U940-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P333421-940

CATALOG NUMBER: S125DIW-S850D1340U940-4F0-1E-UDD-D1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 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° | 6101 | 6101 | 6101 |
| 5° | 6113 | 5988 | 6007 |
| 10° | 6069 | 5881 | 5872 |
| 15° | 5998 | 5753 | 5701 |
| 20° | 5900 | 5595 | 5529 |
| 25° | 5784 | 5425 | 5318 |
| 30° | 5644 | 5239 | 5126 |
| 35° | 5513 | 5068 | 4951 |
| 40° | 5379 | 4888 | 4773 |
| 45° | 5228 | 4733 | 4617 |
| 50° | 5084 | 4566 | 4479 |
| 55° | 4912 | 4408 | 4315 |
| 60° | 4722 | 4227 | 4149 |
| 65° | 4525 | 4039 | 3961 |
| 70° | 4301 | 3780 | 3769 |
| 75° | 3945 | 3533 | 3533 |
| 80° | 3483 | 3233 | 3276 |
| 85° | 3046 | 3031 | 3195 |



TEST NUMBER: P333421-940

CATALOG NUMBER: S125DIW-S850D1340U940-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.3 | 1.3 |
| 10°-20° | 253.6 | 3.6 |
| 20°-30° | 377.1 | 5.3 |
| 30°-40° | 446.7 | 6.3 |
| 40°-50° | 461.8 | 6.5 |
| 50°-60° | 425.4 | 6.0 |
| 60°-70° | 343.9 | 4.9 |
| 70°-80° | 230.3 | 3.3 |
| 80°-90° | 122.7 | 1.7 |
| 90°-100° | 166.6 | 2.4 |
| 100°-110° | 343.4 | 4.9 |
| 110°-120° | 531.1 | 7.5 |
| 120°-130° | 674.1 | 9.5 |
| 130°-140° | 742.5 | 10.5 |
| 140°-150° | 721.3 | 10.2 |
| 150°-160° | 604.5 | 8.5 |
| 160°-170° | 401.8 | 5.7 |
| 170°-180° | 140.6 | 2.0 |
| 0°-30° | 720.0 | 10.2 |
| 0°-40° | 1166.7 | 16.5 |
| 0°-60° | 2053.9 | 29.0 |
| 0°-90° | 2750.8 | 38.9 |
| 90°-120° | 1041.0 | 14.7 |
| 90°-150° | 3178.9 | 44.9 |
| 90°-180° | 4326.0 | 61.1 |
| 0°-180° | 7076.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 945 | 945 | 945 | 945 | 945 | |
| 5° | 945 | 942 | 936 | 943 | 943 | 90 |
| 15° | 902 | 903 | 896 | 902 | 898 | 254 |
| 25° | 820 | 822 | 817 | 820 | 816 | 377 |
| 35° | 709 | 715 | 713 | 716 | 716 | 444 |
| 45° | 584 | 594 | 599 | 605 | 607 | 451 |
| 55° | 449 | 464 | 479 | 489 | 493 | 401 |
| 65° | 309 | 331 | 353 | 366 | 370 | 307 |
| 75° | 170 | 195 | 224 | 242 | 247 | 181 |
| 85° | 51 | 82 | 114 | 134 | 142 | 54 |
| 90° | 16 | 55 | 94 | 121 | 132 | 14 |
| 95° | 87 | 115 | 157 | 184 | 194 | 90 |
| 105° | 272 | 293 | 327 | 352 | 363 | 290 |
| 115° | 504 | 516 | 542 | 556 | 562 | 498 |
| 125° | 731 | 738 | 757 | 769 | 773 | 655 |
| 135° | 948 | 954 | 962 | 973 | 974 | 731 |
| 145° | 1147 | 1151 | 1154 | 1159 | 1159 | 717 |
| 155° | 1312 | 1312 | 1313 | 1317 | 1312 | 604 |
| 165° | 1426 | 1424 | 1425 | 1429 | 1423 | 402 |
| 175° | 1483 | 1479 | 1478 | 1484 | 1477 | 141 |
| 180° | 1486 | 1486 | 1486 | 1486 | 1486 | |



TEST NUMBER: P333421-940

CATALOG NUMBER: S125DIW-S850D1340U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 |
| 2.5° | 946.8 | 946.6 | 946.2 | 945.8 | 945.5 | 944.8 | 943.6 | 942.4 | 941.3 | 940.1 | 941.3 |
| 5° | 944.6 | 944.2 | 943.8 | 943.3 | 943.0 | 942.0 | 940.6 | 939.1 | 937.7 | 936.3 | 937.9 |
| 7.5° | 936.3 | 936.1 | 935.9 | 935.8 | 935.6 | 934.8 | 933.4 | 931.8 | 930.3 | 928.9 | 930.3 |
| 10° | 928.9 | 928.9 | 928.9 | 928.9 | 928.9 | 928.1 | 926.4 | 924.8 | 923.1 | 921.5 | 922.9 |
| 12.5° | 918.5 | 918.6 | 918.8 | 919.0 | 919.2 | 918.6 | 917.3 | 916.0 | 914.6 | 913.3 | 914.4 |
| 15° | 902.1 | 902.2 | 902.4 | 902.6 | 902.9 | 902.2 | 900.8 | 899.4 | 897.9 | 896.4 | 897.7 |
| 17.5° | 880.6 | 880.9 | 881.4 | 881.7 | 882.2 | 881.6 | 880.2 | 878.8 | 877.4 | 875.9 | 876.8 |
| 20° | 865.0 | 865.4 | 865.8 | 866.2 | 866.7 | 866.1 | 864.7 | 863.3 | 861.7 | 860.3 | 860.9 |
| 22.5° | 847.2 | 847.9 | 848.6 | 849.4 | 850.2 | 849.7 | 848.1 | 846.5 | 844.9 | 843.3 | 844.1 |
| 25° | 819.6 | 820.2 | 820.8 | 821.4 | 822.1 | 821.7 | 820.6 | 819.3 | 818.1 | 816.8 | 817.6 |
| 27.5° | 788.8 | 789.8 | 790.7 | 791.6 | 792.5 | 792.2 | 790.9 | 789.4 | 788.0 | 786.7 | 787.2 |
| 30° | 765.9 | 767.1 | 768.4 | 769.5 | 770.8 | 770.8 | 769.5 | 768.4 | 767.1 | 765.9 | 766.3 |
| 32.5° | 745.1 | 746.2 | 747.3 | 748.3 | 749.4 | 749.5 | 748.6 | 747.7 | 746.8 | 745.9 | 746.3 |
| 35° | 709.4 | 710.9 | 712.3 | 713.7 | 715.2 | 715.6 | 715.0 | 714.3 | 713.7 | 713.1 | 713.7 |
| 37.5° | 673.6 | 674.9 | 676.3 | 677.6 | 678.9 | 679.5 | 679.2 | 679.0 | 678.9 | 678.7 | 679.5 |
| 40° | 649.2 | 650.9 | 652.5 | 654.2 | 655.8 | 656.5 | 656.3 | 656.1 | 655.9 | 655.7 | 656.5 |
| 42.5° | 622.5 | 624.6 | 626.8 | 628.9 | 631.1 | 632.4 | 632.8 | 633.3 | 633.7 | 634.2 | 635.2 |
| 45° | 584.3 | 586.7 | 588.9 | 591.1 | 593.4 | 595.0 | 596.1 | 597.1 | 598.2 | 599.1 | 600.7 |
| 47.5° | 545.3 | 547.4 | 549.5 | 551.6 | 553.7 | 555.6 | 557.4 | 559.2 | 560.9 | 562.7 | 564.8 |
| 50° | 518.6 | 520.8 | 523.2 | 525.4 | 527.6 | 529.9 | 532.2 | 534.5 | 536.7 | 539.0 | 541.3 |
| 52.5° | 490.4 | 493.2 | 496.0 | 498.7 | 501.5 | 504.3 | 507.0 | 509.8 | 512.6 | 515.3 | 517.7 |
| 55° | 449.2 | 452.5 | 455.8 | 459.1 | 462.4 | 465.7 | 469.0 | 472.3 | 475.5 | 478.8 | 481.1 |
| 57.5° | 406.9 | 410.9 | 414.8 | 418.7 | 422.8 | 426.6 | 430.4 | 434.2 | 437.9 | 441.8 | 444.3 |
| 60° | 378.8 | 382.9 | 387.0 | 391.1 | 395.2 | 399.4 | 403.5 | 407.6 | 411.7 | 415.8 | 418.9 |
| 62.5° | 351.3 | 355.4 | 359.6 | 363.7 | 367.8 | 372.1 | 376.6 | 381.0 | 385.4 | 389.9 | 393.3 |
| 65° | 309.3 | 314.1 | 318.8 | 323.5 | 328.2 | 333.1 | 338.0 | 343.0 | 347.9 | 352.8 | 356.0 |
| 67.5° | 269.7 | 274.3 | 278.8 | 283.4 | 287.9 | 292.7 | 297.7 | 302.8 | 307.8 | 312.8 | 316.6 |
| 70° | 240.8 | 245.5 | 250.2 | 255.0 | 259.8 | 264.7 | 270.1 | 275.4 | 280.8 | 286.1 | 290.1 |
| 72.5° | 212.7 | 217.5 | 222.4 | 227.3 | 232.2 | 237.6 | 243.4 | 249.3 | 255.1 | 261.0 | 265.2 |
| 75° | 170.4 | 175.8 | 181.1 | 186.5 | 191.8 | 197.8 | 204.4 | 211.0 | 217.5 | 224.1 | 228.2 |
| 77.5° | 129.8 | 136.0 | 142.2 | 148.4 | 154.5 | 160.8 | 167.1 | 173.4 | 179.8 | 186.2 | 190.6 |
| 80° | 104.7 | 110.8 | 117.0 | 123.1 | 129.4 | 135.9 | 142.9 | 149.9 | 156.9 | 163.9 | 168.4 |
| 82.5° | 81.7 | 88.2 | 94.7 | 101.2 | 107.7 | 114.5 | 121.7 | 128.9 | 136.0 | 143.2 | 147.6 |
| 85° | 50.9 | 57.7 | 64.6 | 71.3 | 78.1 | 85.1 | 92.3 | 99.5 | 106.7 | 113.9 | 118.4 |
| 87.5° | 29.2 | 36.1 | 43.2 | 50.1 | 57.1 | 64.3 | 71.6 | 79.0 | 86.3 | 93.7 | 98.7 |
| 90° | 16.0 | 24.6 | 33.3 | 41.9 | 50.6 | 59.3 | 68.0 | 76.9 | 85.7 | 94.4 | 100.5 |
| 92.5° | 41.3 | 48.9 | 56.4 | 63.9 | 71.4 | 79.9 | 89.3 | 98.6 | 108.0 | 117.3 | 123.7 |
| 95° | 87.2 | 93.1 | 99.0 | 104.8 | 110.7 | 118.4 | 128.0 | 137.5 | 147.1 | 156.7 | 163.0 |
| 97.5° | 135.8 | 140.9 | 145.9 | 150.9 | 156.0 | 163.6 | 173.9 | 184.2 | 194.5 | 204.8 | 210.8 |
| 100° | 172.1 | 176.5 | 180.7 | 185.1 | 189.4 | 196.5 | 206.4 | 216.4 | 226.3 | 236.2 | 242.9 |
| 102.5° | 211.2 | 216.2 | 221.2 | 226.2 | 231.2 | 237.8 | 245.9 | 254.0 | 262.2 | 270.3 | 277.0 |
| 105° | 272.1 | 276.6 | 281.2 | 285.8 | 290.3 | 296.5 | 304.3 | 311.9 | 319.7 | 327.3 | 333.1 |
| 107.5° | 339.4 | 343.5 | 347.6 | 351.7 | 355.8 | 361.3 | 368.5 | 375.6 | 382.7 | 389.8 | 394.7 |
| 110° | 385.8 | 389.7 | 393.4 | 397.2 | 400.9 | 406.1 | 412.6 | 419.1 | 425.6 | 432.2 | 436.8 |



TEST NUMBER: P333421-940

CATALOG NUMBER: S125DIW-S850D1340U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 434.0 | 436.7 | 439.3 | 441.9 | 444.6 | 449.2 | 455.8 | 462.4 | 468.9 | 475.5 | 479.6 |
| 115° | 504.1 | 506.6 | 509.0 | 511.5 | 514.0 | 518.2 | 524.0 | 529.9 | 535.7 | 541.6 | 545.0 |
| 117.5° | 574.4 | 575.9 | 577.2 | 578.6 | 580.1 | 583.5 | 589.1 | 594.6 | 600.1 | 605.6 | 609.3 |
| 120° | 618.8 | 620.7 | 622.7 | 624.6 | 626.4 | 629.9 | 634.9 | 639.9 | 644.9 | 649.9 | 653.4 |
| 122.5° | 666.2 | 667.0 | 667.7 | 668.4 | 669.2 | 672.2 | 677.4 | 682.7 | 688.0 | 693.1 | 696.2 |
| 125° | 731.3 | 732.6 | 734.0 | 735.3 | 736.6 | 739.5 | 743.9 | 748.2 | 752.6 | 757.0 | 759.7 |
| 127.5° | 799.8 | 800.4 | 801.1 | 801.7 | 802.5 | 804.6 | 808.2 | 812.0 | 815.6 | 819.3 | 822.1 |
| 130° | 841.4 | 842.5 | 843.6 | 844.6 | 845.7 | 847.9 | 851.3 | 854.7 | 858.1 | 861.5 | 864.2 |
| 132.5° | 882.3 | 884.3 | 886.4 | 888.5 | 890.6 | 892.6 | 894.7 | 896.9 | 899.0 | 901.2 | 903.7 |
| 135° | 948.1 | 949.4 | 950.7 | 952.1 | 953.4 | 954.9 | 956.6 | 958.3 | 960.0 | 961.7 | 964.4 |
| 137.5° | 1009.9 | 1011.2 | 1012.5 | 1013.8 | 1015.1 | 1016.5 | 1017.7 | 1019.0 | 1020.2 | 1021.5 | 1024.2 |
| 140° | 1048.9 | 1050.2 | 1051.5 | 1052.8 | 1054.0 | 1055.2 | 1056.1 | 1057.1 | 1058.1 | 1059.1 | 1061.8 |
| 142.5° | 1088.7 | 1089.6 | 1090.5 | 1091.5 | 1092.3 | 1093.3 | 1094.3 | 1095.4 | 1096.4 | 1097.3 | 1099.7 |
| 145° | 1147.2 | 1148.0 | 1148.9 | 1149.7 | 1150.5 | 1151.3 | 1152.1 | 1152.8 | 1153.6 | 1154.4 | 1155.4 |
| 147.5° | 1200.4 | 1201.0 | 1201.6 | 1202.1 | 1202.7 | 1203.3 | 1203.9 | 1204.5 | 1205.1 | 1205.8 | 1206.7 |
| 150° | 1236.5 | 1236.3 | 1236.0 | 1235.7 | 1235.5 | 1235.8 | 1236.9 | 1238.0 | 1238.9 | 1240.0 | 1240.0 |
| 152.5° | 1266.1 | 1266.5 | 1266.9 | 1267.2 | 1267.6 | 1267.9 | 1268.4 | 1268.7 | 1269.2 | 1269.6 | 1270.2 |
| 155° | 1311.7 | 1311.7 | 1311.7 | 1311.7 | 1311.7 | 1311.8 | 1312.1 | 1312.3 | 1312.6 | 1312.9 | 1313.8 |
| 157.5° | 1352.4 | 1351.8 | 1351.3 | 1350.7 | 1350.1 | 1350.0 | 1350.2 | 1350.5 | 1350.8 | 1351.0 | 1352.0 |
| 160° | 1376.4 | 1375.7 | 1374.9 | 1374.1 | 1373.4 | 1373.1 | 1373.4 | 1373.7 | 1373.9 | 1374.1 | 1375.2 |
| 162.5° | 1397.8 | 1397.2 | 1396.6 | 1396.1 | 1395.5 | 1395.3 | 1395.3 | 1395.3 | 1395.3 | 1395.4 | 1396.7 |
| 165° | 1426.2 | 1425.7 | 1425.1 | 1424.7 | 1424.2 | 1424.1 | 1424.2 | 1424.5 | 1424.8 | 1425.0 | 1426.1 |
| 167.5° | 1450.3 | 1449.2 | 1448.2 | 1447.2 | 1446.2 | 1445.6 | 1445.6 | 1445.6 | 1445.6 | 1445.6 | 1447.2 |
| 170° | 1463.2 | 1462.2 | 1461.2 | 1460.2 | 1459.1 | 1458.6 | 1458.6 | 1458.6 | 1458.6 | 1458.6 | 1460.2 |
| 172.5° | 1472.5 | 1471.4 | 1470.4 | 1469.4 | 1468.4 | 1467.8 | 1467.8 | 1467.8 | 1467.8 | 1467.8 | 1469.4 |
| 175° | 1482.9 | 1481.8 | 1480.9 | 1479.8 | 1478.8 | 1478.3 | 1478.3 | 1478.3 | 1478.3 | 1478.3 | 1479.8 |
| 177.5° | 1488.2 | 1487.4 | 1486.6 | 1485.8 | 1484.9 | 1484.4 | 1484.2 | 1484.0 | 1483.8 | 1483.5 | 1484.8 |
| 180° | 1486.4 | 1486.4 | 1486.4 | 1486.4 | 1486.4 | 1486.4 | 1486.4 | 1486.4 | 1486.4 | 1486.4 | 1486.4 |



TEST NUMBER: P333421-940

CATALOG NUMBER: S125DIW-S850D1340U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 |
| 2.5° | 942.4 | 943.6 | 944.8 | 945.3 | 945.1 | 944.9 | 944.8 | 944.6 |
| 5° | 939.6 | 941.2 | 942.9 | 943.6 | 943.3 | 943.2 | 943.0 | 942.8 |
| 7.5° | 931.7 | 933.2 | 934.6 | 935.2 | 935.0 | 934.9 | 934.6 | 934.4 |
| 10° | 924.3 | 925.8 | 927.2 | 927.8 | 927.6 | 927.5 | 927.2 | 927.0 |
| 12.5° | 915.5 | 916.7 | 917.7 | 918.0 | 917.5 | 916.9 | 916.4 | 915.9 |
| 15° | 898.9 | 900.2 | 901.4 | 901.6 | 900.8 | 899.9 | 899.1 | 898.3 |
| 17.5° | 877.8 | 878.8 | 879.7 | 879.9 | 879.4 | 879.0 | 878.4 | 878.0 |
| 20° | 861.6 | 862.2 | 862.8 | 863.1 | 863.1 | 863.1 | 863.1 | 863.1 |
| 22.5° | 844.9 | 845.6 | 846.4 | 846.6 | 846.1 | 845.6 | 845.1 | 844.6 |
| 25° | 818.5 | 819.3 | 820.1 | 820.0 | 818.9 | 818.0 | 816.9 | 815.9 |
| 27.5° | 787.7 | 788.4 | 788.9 | 789.1 | 788.6 | 788.3 | 787.9 | 787.6 |
| 30° | 766.7 | 767.1 | 767.5 | 767.7 | 767.4 | 767.2 | 767.0 | 766.8 |
| 32.5° | 746.7 | 747.1 | 747.5 | 747.6 | 747.4 | 747.3 | 747.0 | 746.8 |
| 35° | 714.3 | 715.0 | 715.6 | 715.9 | 715.9 | 715.9 | 715.9 | 715.9 |
| 37.5° | 680.3 | 681.1 | 681.9 | 682.3 | 682.2 | 682.2 | 682.1 | 682.0 |
| 40° | 657.3 | 658.2 | 659.0 | 659.6 | 660.0 | 660.4 | 660.8 | 661.2 |
| 42.5° | 636.1 | 637.1 | 638.1 | 638.6 | 638.7 | 638.8 | 638.9 | 639.0 |
| 45° | 602.1 | 603.5 | 604.9 | 605.7 | 606.0 | 606.2 | 606.4 | 606.6 |
| 47.5° | 566.9 | 569.0 | 571.1 | 572.4 | 572.8 | 573.3 | 573.7 | 574.2 |
| 50° | 543.5 | 545.8 | 548.0 | 549.5 | 550.1 | 550.7 | 551.3 | 552.0 |
| 52.5° | 520.1 | 522.5 | 525.0 | 526.5 | 526.9 | 527.4 | 527.8 | 528.2 |
| 55° | 483.3 | 485.6 | 487.9 | 489.4 | 490.2 | 491.1 | 491.9 | 492.7 |
| 57.5° | 446.9 | 449.5 | 452.1 | 453.7 | 454.3 | 455.0 | 455.6 | 456.2 |
| 60° | 422.0 | 425.1 | 428.2 | 430.0 | 430.6 | 431.2 | 431.9 | 432.5 |
| 62.5° | 396.7 | 400.1 | 403.6 | 405.6 | 406.4 | 407.2 | 408.0 | 408.8 |
| 65° | 359.0 | 362.1 | 365.2 | 367.1 | 368.0 | 368.8 | 369.6 | 370.4 |
| 67.5° | 320.3 | 324.0 | 327.8 | 330.2 | 331.3 | 332.3 | 333.4 | 334.5 |
| 70° | 294.0 | 297.9 | 301.8 | 304.3 | 305.6 | 306.8 | 308.1 | 309.3 |
| 72.5° | 269.5 | 273.7 | 277.9 | 280.5 | 281.4 | 282.3 | 283.2 | 284.1 |
| 75° | 232.4 | 236.5 | 240.6 | 243.2 | 244.2 | 245.2 | 246.2 | 247.3 |
| 77.5° | 195.2 | 199.7 | 204.3 | 207.0 | 207.8 | 208.6 | 209.4 | 210.3 |
| 80° | 173.0 | 177.5 | 182.0 | 184.7 | 185.6 | 186.4 | 187.2 | 188.0 |
| 82.5° | 151.9 | 156.2 | 160.6 | 163.5 | 165.1 | 166.5 | 168.0 | 169.5 |
| 85° | 123.0 | 127.5 | 132.1 | 135.1 | 136.8 | 138.4 | 140.1 | 141.7 |
| 87.5° | 103.7 | 108.7 | 113.7 | 117.0 | 118.6 | 120.2 | 121.7 | 123.3 |
| 90° | 106.5 | 112.5 | 118.5 | 122.6 | 124.8 | 127.1 | 129.3 | 131.5 |
| 92.5° | 129.9 | 136.2 | 142.5 | 146.6 | 148.6 | 150.6 | 152.6 | 154.6 |
| 95° | 169.3 | 175.7 | 182.0 | 186.1 | 188.1 | 190.0 | 192.0 | 193.9 |
| 97.5° | 216.9 | 222.8 | 228.9 | 232.7 | 234.4 | 236.1 | 237.8 | 239.5 |
| 100° | 249.5 | 256.2 | 262.8 | 267.0 | 268.8 | 270.5 | 272.2 | 273.9 |
| 102.5° | 283.7 | 290.3 | 297.0 | 301.3 | 303.3 | 305.2 | 307.2 | 309.2 |
| 105° | 338.7 | 344.4 | 350.0 | 353.9 | 356.1 | 358.4 | 360.6 | 362.8 |
| 107.5° | 399.5 | 404.3 | 409.2 | 412.2 | 413.4 | 414.6 | 415.9 | 417.1 |
| 110° | 441.6 | 446.2 | 450.9 | 453.8 | 455.0 | 456.2 | 457.4 | 458.6 |



TEST NUMBER: P333421-940

CATALOG NUMBER: S125DIW-S850D1340U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 483.7 | 487.8 | 491.9 | 494.5 | 495.4 | 496.4 | 497.4 | 498.4 |
| 115° | 548.5 | 552.0 | 555.4 | 557.6 | 558.6 | 559.5 | 560.5 | 561.5 |
| 117.5° | 613.1 | 616.7 | 620.5 | 622.5 | 622.9 | 623.2 | 623.6 | 623.9 |
| 120° | 656.8 | 660.3 | 663.9 | 665.7 | 665.9 | 666.1 | 666.3 | 666.6 |
| 122.5° | 699.5 | 702.6 | 705.7 | 707.5 | 707.8 | 708.3 | 708.6 | 709.1 |
| 125° | 762.5 | 765.3 | 768.0 | 769.8 | 770.6 | 771.4 | 772.1 | 772.9 |
| 127.5° | 824.9 | 827.7 | 830.5 | 832.2 | 832.9 | 833.6 | 834.3 | 834.9 |
| 130° | 866.7 | 869.4 | 872.0 | 873.6 | 874.1 | 874.6 | 875.1 | 875.7 |
| 132.5° | 906.3 | 909.0 | 911.6 | 913.0 | 913.1 | 913.3 | 913.5 | 913.6 |
| 135° | 967.1 | 969.7 | 972.4 | 973.7 | 973.7 | 973.7 | 973.7 | 973.7 |
| 137.5° | 1027.0 | 1029.7 | 1032.4 | 1033.6 | 1033.1 | 1032.7 | 1032.2 | 1031.7 |
| 140° | 1064.6 | 1067.4 | 1070.1 | 1071.3 | 1070.9 | 1070.4 | 1070.0 | 1069.5 |
| 142.5° | 1101.9 | 1104.1 | 1106.3 | 1107.2 | 1106.8 | 1106.3 | 1105.9 | 1105.4 |
| 145° | 1156.5 | 1157.4 | 1158.5 | 1159.0 | 1159.0 | 1159.1 | 1159.2 | 1159.2 |
| 147.5° | 1207.6 | 1208.5 | 1209.5 | 1209.3 | 1207.9 | 1206.6 | 1205.1 | 1203.8 |
| 150° | 1240.0 | 1240.0 | 1240.0 | 1239.8 | 1239.5 | 1239.2 | 1238.9 | 1238.6 |
| 152.5° | 1270.8 | 1271.4 | 1272.0 | 1271.9 | 1271.0 | 1270.2 | 1269.3 | 1268.4 |
| 155° | 1314.9 | 1315.9 | 1317.0 | 1316.8 | 1315.5 | 1314.3 | 1313.0 | 1311.7 |
| 157.5° | 1353.1 | 1354.1 | 1355.1 | 1354.8 | 1353.1 | 1351.4 | 1349.7 | 1348.0 |
| 160° | 1376.2 | 1377.2 | 1378.2 | 1378.1 | 1376.9 | 1375.6 | 1374.3 | 1373.0 |
| 162.5° | 1397.9 | 1399.1 | 1400.3 | 1400.3 | 1398.7 | 1397.2 | 1395.8 | 1394.3 |
| 165° | 1427.1 | 1428.2 | 1429.1 | 1428.9 | 1427.4 | 1425.8 | 1424.2 | 1422.7 |
| 167.5° | 1448.8 | 1450.3 | 1451.8 | 1451.8 | 1450.2 | 1448.6 | 1447.0 | 1445.4 |
| 170° | 1461.7 | 1463.2 | 1464.7 | 1464.6 | 1462.9 | 1461.1 | 1459.2 | 1457.4 |
| 172.5° | 1471.0 | 1472.5 | 1474.0 | 1474.0 | 1472.4 | 1470.8 | 1469.2 | 1467.6 |
| 175° | 1481.3 | 1482.9 | 1484.4 | 1484.3 | 1482.5 | 1480.7 | 1478.9 | 1477.1 |
| 177.5° | 1486.0 | 1487.3 | 1488.5 | 1488.4 | 1486.9 | 1485.5 | 1484.1 | 1482.6 |
| 180° | 1486.4 | 1486.4 | 1486.4 | 1486.4 | 1486.4 | 1486.4 | 1486.4 | 1486.4 |

(END OF REPORT)