

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: P333414-840

Luminaire Tested: **S125DIW-S850D1050U840-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333414-840
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-S850D1050U840-4F0-1E-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: 7547.3 lumens
Efficiency: N/A
Efficacy: 143.5 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

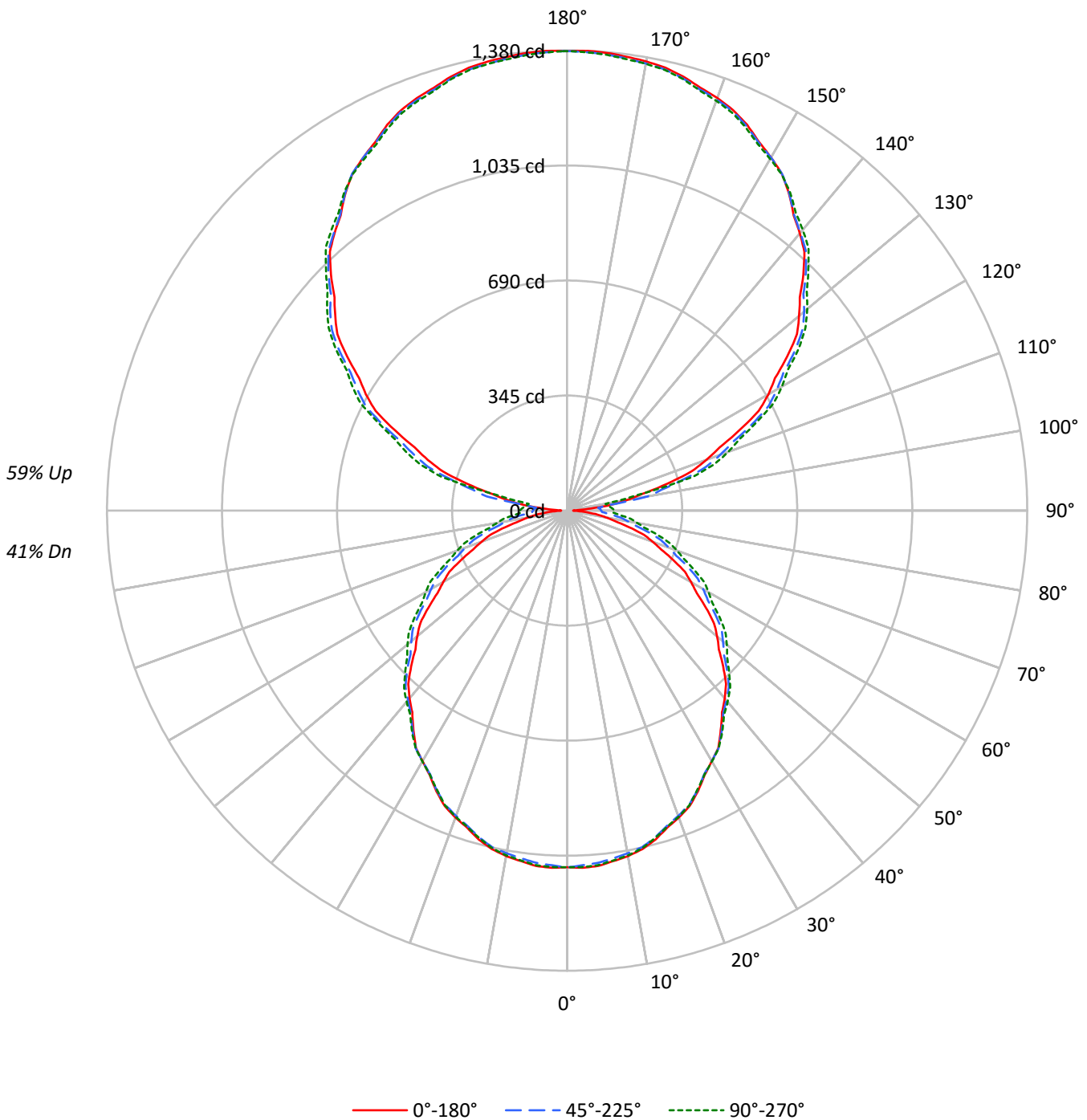
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333414-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P333414-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-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° | 6909 | 6909 | 6909 |
| 5° | 6923 | 6782 | 6803 |
| 10° | 6874 | 6661 | 6651 |
| 15° | 6793 | 6515 | 6456 |
| 20° | 6682 | 6336 | 6262 |
| 25° | 6551 | 6144 | 6023 |
| 30° | 6392 | 5934 | 5806 |
| 35° | 6242 | 5740 | 5607 |
| 40° | 6092 | 5535 | 5406 |
| 45° | 5921 | 5360 | 5229 |
| 50° | 5758 | 5171 | 5072 |
| 55° | 5562 | 4992 | 4887 |
| 60° | 5348 | 4788 | 4699 |
| 65° | 5124 | 4575 | 4486 |
| 70° | 4871 | 4283 | 4269 |
| 75° | 4469 | 4001 | 4001 |
| 80° | 3945 | 3661 | 3710 |
| 85° | 3453 | 3433 | 3619 |



TEST NUMBER: P333414-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 101.2 | 1.3 |
| 10°-20° | 287.2 | 3.8 |
| 20°-30° | 427.1 | 5.7 |
| 30°-40° | 505.9 | 6.7 |
| 40°-50° | 523.0 | 6.9 |
| 50°-60° | 481.8 | 6.4 |
| 60°-70° | 389.5 | 5.2 |
| 70°-80° | 260.8 | 3.5 |
| 80°-90° | 138.1 | 1.8 |
| 90°-100° | 126.0 | 1.7 |
| 100°-110° | 364.5 | 4.8 |
| 110°-120° | 597.2 | 7.9 |
| 120°-130° | 739.5 | 9.8 |
| 130°-140° | 781.8 | 10.4 |
| 140°-150° | 727.0 | 9.6 |
| 150°-160° | 586.6 | 7.8 |
| 160°-170° | 379.4 | 5.0 |
| 170°-180° | 130.8 | 1.7 |
| 0°-30° | 815.4 | 10.8 |
| 0°-40° | 1321.2 | 17.5 |
| 0°-60° | 2326.0 | 30.8 |
| 0°-90° | 3114.5 | 41.3 |
| 90°-120° | 1087.7 | 14.4 |
| 90°-150° | 3336.1 | 44.2 |
| 90°-180° | 4433.0 | 58.7 |
| 0°-180° | 7547.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1070 | 1070 | 1070 | 1070 | 1070 | |
| 5° | 1070 | 1067 | 1060 | 1068 | 1068 | 101 |
| 15° | 1022 | 1022 | 1015 | 1021 | 1017 | 288 |
| 25° | 928 | 931 | 925 | 929 | 924 | 427 |
| 35° | 803 | 810 | 808 | 811 | 811 | 503 |
| 45° | 662 | 673 | 678 | 686 | 687 | 511 |
| 55° | 509 | 526 | 542 | 553 | 558 | 455 |
| 65° | 350 | 374 | 400 | 415 | 420 | 347 |
| 75° | 193 | 221 | 254 | 274 | 280 | 205 |
| 85° | 58 | 92 | 129 | 151 | 160 | 61 |
| 90° | 18 | 60 | 102 | 131 | 142 | 14 |
| 95° | 72 | 95 | 93 | 120 | 128 | 85 |
| 105° | 310 | 331 | 362 | 382 | 389 | 328 |
| 115° | 570 | 583 | 611 | 625 | 626 | 565 |
| 125° | 806 | 813 | 833 | 845 | 848 | 719 |
| 135° | 1002 | 1007 | 1012 | 1023 | 1023 | 772 |
| 145° | 1160 | 1161 | 1161 | 1167 | 1166 | 725 |
| 155° | 1277 | 1271 | 1273 | 1275 | 1268 | 588 |
| 165° | 1347 | 1341 | 1342 | 1347 | 1340 | 380 |
| 175° | 1378 | 1372 | 1373 | 1380 | 1372 | 131 |
| 180° | 1378 | 1378 | 1378 | 1378 | 1378 | |



TEST NUMBER: P333414-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1069.8 |
| 2.5° | 1072.3 | 1072.0 | 1071.6 | 1071.2 | 1070.8 | 1070.0 | 1068.6 | 1067.3 | 1066.0 | 1064.7 | 1066.0 |
| 5° | 1069.8 | 1069.3 | 1068.8 | 1068.3 | 1067.9 | 1066.8 | 1065.2 | 1063.6 | 1062.0 | 1060.4 | 1062.2 |
| 7.5° | 1060.4 | 1060.2 | 1060.0 | 1059.8 | 1059.6 | 1058.6 | 1057.0 | 1055.3 | 1053.6 | 1052.0 | 1053.6 |
| 10° | 1052.0 | 1052.0 | 1052.0 | 1052.0 | 1052.0 | 1051.1 | 1049.1 | 1047.3 | 1045.4 | 1043.6 | 1045.2 |
| 12.5° | 1040.2 | 1040.4 | 1040.6 | 1040.8 | 1041.0 | 1040.3 | 1038.8 | 1037.3 | 1035.8 | 1034.3 | 1035.6 |
| 15° | 1021.6 | 1021.8 | 1022.0 | 1022.2 | 1022.5 | 1021.8 | 1020.2 | 1018.5 | 1016.8 | 1015.2 | 1016.6 |
| 17.5° | 997.2 | 997.6 | 998.2 | 998.6 | 999.1 | 998.5 | 996.8 | 995.2 | 993.6 | 992.0 | 993.0 |
| 20° | 979.6 | 980.1 | 980.5 | 981.0 | 981.5 | 980.9 | 979.3 | 977.7 | 975.9 | 974.3 | 975.0 |
| 22.5° | 959.5 | 960.3 | 961.1 | 962.0 | 962.8 | 962.3 | 960.5 | 958.7 | 956.8 | 955.0 | 955.9 |
| 25° | 928.2 | 928.9 | 929.6 | 930.3 | 931.0 | 930.6 | 929.3 | 927.9 | 926.5 | 925.0 | 925.9 |
| 27.5° | 893.3 | 894.4 | 895.4 | 896.5 | 897.5 | 897.2 | 895.6 | 894.0 | 892.4 | 890.9 | 891.5 |
| 30° | 867.4 | 868.8 | 870.2 | 871.5 | 872.9 | 872.9 | 871.5 | 870.2 | 868.8 | 867.4 | 867.9 |
| 32.5° | 843.8 | 845.1 | 846.3 | 847.5 | 848.7 | 848.8 | 847.8 | 846.8 | 845.8 | 844.8 | 845.2 |
| 35° | 803.3 | 805.1 | 806.7 | 808.3 | 809.9 | 810.4 | 809.7 | 809.0 | 808.3 | 807.6 | 808.3 |
| 37.5° | 762.9 | 764.4 | 765.9 | 767.4 | 768.9 | 769.5 | 769.2 | 769.0 | 768.8 | 768.6 | 769.5 |
| 40° | 735.2 | 737.1 | 738.9 | 740.8 | 742.7 | 743.5 | 743.3 | 743.1 | 742.8 | 742.6 | 743.5 |
| 42.5° | 705.0 | 707.4 | 709.8 | 712.3 | 714.7 | 716.2 | 716.7 | 717.2 | 717.7 | 718.2 | 719.3 |
| 45° | 661.8 | 664.4 | 666.9 | 669.4 | 672.1 | 673.9 | 675.1 | 676.2 | 677.4 | 678.5 | 680.2 |
| 47.5° | 617.5 | 620.0 | 622.3 | 624.7 | 627.0 | 629.2 | 631.3 | 633.3 | 635.2 | 637.2 | 639.6 |
| 50° | 587.3 | 589.9 | 592.5 | 595.0 | 597.5 | 600.2 | 602.7 | 605.3 | 607.8 | 610.4 | 613.0 |
| 52.5° | 555.4 | 558.6 | 561.7 | 564.8 | 567.9 | 571.1 | 574.2 | 577.3 | 580.5 | 583.6 | 586.3 |
| 55° | 508.7 | 512.4 | 516.1 | 519.9 | 523.6 | 527.4 | 531.1 | 534.8 | 538.5 | 542.2 | 544.8 |
| 57.5° | 460.8 | 465.3 | 469.8 | 474.2 | 478.8 | 483.1 | 487.5 | 491.7 | 495.9 | 500.3 | 503.2 |
| 60° | 429.0 | 433.6 | 438.3 | 442.9 | 447.6 | 452.3 | 457.0 | 461.6 | 466.3 | 470.9 | 474.4 |
| 62.5° | 397.9 | 402.5 | 407.3 | 411.9 | 416.6 | 421.4 | 426.5 | 431.5 | 436.5 | 441.5 | 445.5 |
| 65° | 350.3 | 355.7 | 361.0 | 366.4 | 371.7 | 377.2 | 382.8 | 388.4 | 394.0 | 399.6 | 403.1 |
| 67.5° | 305.4 | 310.6 | 315.8 | 320.9 | 326.1 | 331.5 | 337.2 | 343.0 | 348.6 | 354.3 | 358.5 |
| 70° | 272.7 | 278.0 | 283.4 | 288.8 | 294.2 | 299.8 | 305.9 | 311.9 | 318.0 | 324.1 | 328.5 |
| 72.5° | 240.9 | 246.3 | 251.9 | 257.4 | 263.0 | 269.0 | 275.7 | 282.4 | 288.9 | 295.6 | 300.3 |
| 75° | 193.0 | 199.0 | 205.1 | 211.2 | 217.2 | 224.0 | 231.5 | 238.9 | 246.3 | 253.8 | 258.4 |
| 77.5° | 147.0 | 154.0 | 161.1 | 168.0 | 175.0 | 182.1 | 189.2 | 196.4 | 203.6 | 210.9 | 215.9 |
| 80° | 118.6 | 125.5 | 132.5 | 139.5 | 146.5 | 153.9 | 161.9 | 169.8 | 177.7 | 185.6 | 190.8 |
| 82.5° | 92.5 | 99.9 | 107.2 | 114.6 | 122.0 | 129.7 | 137.8 | 145.9 | 154.0 | 162.2 | 167.1 |
| 85° | 57.7 | 65.3 | 73.1 | 80.8 | 88.5 | 96.3 | 104.5 | 112.7 | 120.9 | 129.0 | 134.1 |
| 87.5° | 32.9 | 40.8 | 48.6 | 56.4 | 64.2 | 72.2 | 80.5 | 88.8 | 96.9 | 105.2 | 110.8 |
| 90° | 17.8 | 27.1 | 36.4 | 45.6 | 54.9 | 64.3 | 73.8 | 83.3 | 92.8 | 102.3 | 108.9 |
| 92.5° | 30.8 | 36.5 | 42.1 | 47.7 | 53.3 | 60.9 | 70.4 | 80.0 | 89.5 | 99.0 | 105.3 |
| 95° | 71.8 | 77.3 | 82.6 | 88.0 | 93.4 | 95.7 | 95.0 | 94.3 | 93.6 | 92.9 | 99.2 |
| 97.5° | 133.9 | 140.6 | 147.2 | 154.0 | 160.7 | 159.3 | 149.9 | 140.4 | 131.0 | 121.6 | 120.1 |
| 100° | 182.1 | 187.6 | 193.3 | 198.8 | 204.4 | 211.4 | 219.7 | 228.1 | 236.5 | 244.8 | 215.9 |
| 102.5° | 231.1 | 236.5 | 241.9 | 247.2 | 252.7 | 259.2 | 267.0 | 274.9 | 282.7 | 290.5 | 288.8 |
| 105° | 309.7 | 314.4 | 319.0 | 323.7 | 328.3 | 334.1 | 341.0 | 348.1 | 355.1 | 362.0 | 366.7 |
| 107.5° | 391.4 | 394.6 | 397.7 | 400.9 | 404.0 | 409.2 | 416.4 | 423.5 | 430.7 | 437.9 | 442.5 |
| 110° | 444.4 | 447.3 | 450.1 | 452.8 | 455.7 | 460.6 | 467.6 | 474.5 | 481.5 | 488.5 | 492.2 |



TEST NUMBER: P333414-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 495.1 | 498.0 | 500.7 | 503.5 | 506.2 | 511.0 | 517.6 | 524.2 | 530.8 | 537.5 | 540.8 |
| 115° | 570.1 | 572.8 | 575.6 | 578.3 | 581.2 | 585.6 | 592.0 | 598.2 | 604.5 | 610.8 | 614.1 |
| 117.5° | 647.6 | 648.7 | 649.7 | 650.8 | 651.8 | 655.6 | 662.2 | 668.8 | 675.4 | 682.0 | 684.8 |
| 120° | 696.7 | 697.2 | 697.6 | 698.1 | 698.6 | 701.9 | 707.9 | 714.0 | 719.9 | 726.0 | 729.5 |
| 122.5° | 739.1 | 740.3 | 741.5 | 742.8 | 744.0 | 747.3 | 752.8 | 758.2 | 763.8 | 769.2 | 772.5 |
| 125° | 806.0 | 807.3 | 808.7 | 810.0 | 811.4 | 814.4 | 819.0 | 823.7 | 828.4 | 833.0 | 835.9 |
| 127.5° | 868.9 | 869.7 | 870.6 | 871.5 | 872.4 | 874.7 | 878.4 | 882.1 | 885.8 | 889.5 | 892.4 |
| 130° | 908.1 | 909.0 | 909.9 | 910.8 | 911.7 | 913.8 | 917.4 | 920.8 | 924.3 | 927.9 | 930.4 |
| 132.5° | 946.4 | 947.8 | 949.0 | 950.3 | 951.5 | 953.2 | 955.2 | 957.3 | 959.2 | 961.2 | 964.3 |
| 135° | 1002.0 | 1003.1 | 1004.2 | 1005.4 | 1006.5 | 1007.6 | 1008.9 | 1010.1 | 1011.2 | 1012.4 | 1014.9 |
| 137.5° | 1053.1 | 1054.1 | 1055.0 | 1056.0 | 1057.0 | 1057.7 | 1058.1 | 1058.5 | 1058.8 | 1059.2 | 1062.1 |
| 140° | 1085.7 | 1086.2 | 1086.6 | 1087.1 | 1087.5 | 1087.7 | 1087.7 | 1087.8 | 1087.8 | 1087.8 | 1090.9 |
| 142.5° | 1116.0 | 1116.0 | 1116.1 | 1116.2 | 1116.3 | 1116.5 | 1116.9 | 1117.2 | 1117.6 | 1118.0 | 1120.2 |
| 145° | 1160.2 | 1160.5 | 1160.7 | 1160.9 | 1161.1 | 1161.2 | 1161.2 | 1161.2 | 1161.2 | 1161.2 | 1162.7 |
| 147.5° | 1198.0 | 1198.0 | 1197.9 | 1197.8 | 1197.7 | 1197.8 | 1198.0 | 1198.3 | 1198.6 | 1198.8 | 1199.5 |
| 150° | 1222.5 | 1222.1 | 1221.6 | 1221.2 | 1220.7 | 1220.7 | 1221.2 | 1221.6 | 1222.1 | 1222.5 | 1223.0 |
| 152.5° | 1246.3 | 1245.3 | 1244.3 | 1243.2 | 1242.2 | 1242.0 | 1242.4 | 1242.9 | 1243.3 | 1243.7 | 1244.3 |
| 155° | 1276.7 | 1275.4 | 1273.9 | 1272.6 | 1271.2 | 1270.8 | 1271.2 | 1271.7 | 1272.1 | 1272.6 | 1273.2 |
| 157.5° | 1300.2 | 1299.4 | 1298.6 | 1297.8 | 1296.9 | 1296.6 | 1296.6 | 1296.6 | 1296.7 | 1296.7 | 1297.5 |
| 160° | 1316.6 | 1315.1 | 1313.8 | 1312.4 | 1311.1 | 1310.5 | 1310.7 | 1311.0 | 1311.2 | 1311.4 | 1312.3 |
| 162.5° | 1329.6 | 1328.3 | 1326.9 | 1325.5 | 1324.1 | 1323.5 | 1323.8 | 1324.0 | 1324.2 | 1324.4 | 1325.8 |
| 165° | 1347.2 | 1345.8 | 1344.4 | 1343.1 | 1341.7 | 1341.1 | 1341.4 | 1341.6 | 1341.8 | 1342.0 | 1343.4 |
| 167.5° | 1360.2 | 1358.9 | 1357.5 | 1356.0 | 1354.6 | 1354.0 | 1354.2 | 1354.4 | 1354.7 | 1354.9 | 1356.6 |
| 170° | 1367.6 | 1366.0 | 1364.4 | 1362.8 | 1361.2 | 1360.6 | 1360.8 | 1361.0 | 1361.2 | 1361.5 | 1363.3 |
| 172.5° | 1372.5 | 1370.9 | 1369.3 | 1367.8 | 1366.1 | 1365.5 | 1365.9 | 1366.3 | 1366.8 | 1367.2 | 1368.8 |
| 175° | 1377.8 | 1376.4 | 1375.0 | 1373.7 | 1372.3 | 1371.8 | 1372.0 | 1372.2 | 1372.5 | 1372.7 | 1374.5 |
| 177.5° | 1380.3 | 1379.2 | 1378.1 | 1377.0 | 1375.9 | 1375.4 | 1375.6 | 1375.8 | 1375.9 | 1376.1 | 1377.5 |
| 180° | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 |



TEST NUMBER: P333414-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1069.8 | 1069.8 |
| 2.5° | 1067.3 | 1068.6 | 1070.0 | 1070.6 | 1070.4 | 1070.2 | 1070.0 | 1069.8 |
| 5° | 1064.1 | 1065.9 | 1067.8 | 1068.6 | 1068.3 | 1068.1 | 1067.9 | 1067.7 |
| 7.5° | 1055.2 | 1056.8 | 1058.4 | 1059.1 | 1058.9 | 1058.7 | 1058.4 | 1058.2 |
| 10° | 1046.8 | 1048.4 | 1050.1 | 1050.8 | 1050.6 | 1050.4 | 1050.1 | 1049.9 |
| 12.5° | 1036.8 | 1038.1 | 1039.4 | 1039.7 | 1039.1 | 1038.4 | 1037.8 | 1037.2 |
| 15° | 1018.0 | 1019.5 | 1020.9 | 1021.1 | 1020.2 | 1019.2 | 1018.2 | 1017.3 |
| 17.5° | 994.1 | 995.2 | 996.2 | 996.5 | 995.9 | 995.4 | 994.8 | 994.3 |
| 20° | 975.7 | 976.4 | 977.1 | 977.4 | 977.4 | 977.4 | 977.4 | 977.4 |
| 22.5° | 956.8 | 957.7 | 958.6 | 958.8 | 958.2 | 957.7 | 957.0 | 956.5 |
| 25° | 927.0 | 927.9 | 928.8 | 928.7 | 927.5 | 926.3 | 925.1 | 924.0 |
| 27.5° | 892.1 | 892.8 | 893.4 | 893.6 | 893.1 | 892.7 | 892.3 | 891.9 |
| 30° | 868.3 | 868.8 | 869.2 | 869.4 | 869.1 | 868.9 | 868.7 | 868.4 |
| 32.5° | 845.7 | 846.1 | 846.6 | 846.7 | 846.5 | 846.3 | 846.0 | 845.8 |
| 35° | 809.0 | 809.7 | 810.4 | 810.7 | 810.7 | 810.7 | 810.7 | 810.7 |
| 37.5° | 770.4 | 771.3 | 772.2 | 772.7 | 772.6 | 772.5 | 772.4 | 772.3 |
| 40° | 744.4 | 745.4 | 746.3 | 747.0 | 747.4 | 747.9 | 748.4 | 748.8 |
| 42.5° | 720.4 | 721.5 | 722.7 | 723.3 | 723.4 | 723.5 | 723.6 | 723.7 |
| 45° | 681.9 | 683.5 | 685.1 | 686.0 | 686.3 | 686.5 | 686.7 | 687.0 |
| 47.5° | 642.0 | 644.4 | 646.7 | 648.2 | 648.7 | 649.2 | 649.7 | 650.3 |
| 50° | 615.5 | 618.1 | 620.7 | 622.3 | 623.0 | 623.7 | 624.4 | 625.1 |
| 52.5° | 589.1 | 591.8 | 594.5 | 596.2 | 596.7 | 597.2 | 597.7 | 598.2 |
| 55° | 547.3 | 550.0 | 552.5 | 554.2 | 555.1 | 556.1 | 557.0 | 558.0 |
| 57.5° | 506.1 | 509.1 | 512.0 | 513.8 | 514.5 | 515.2 | 515.9 | 516.6 |
| 60° | 477.9 | 481.4 | 484.9 | 487.0 | 487.7 | 488.4 | 489.1 | 489.8 |
| 62.5° | 449.3 | 453.1 | 457.1 | 459.4 | 460.3 | 461.2 | 462.0 | 462.9 |
| 65° | 406.6 | 410.1 | 413.5 | 415.8 | 416.8 | 417.7 | 418.6 | 419.5 |
| 67.5° | 362.7 | 367.0 | 371.2 | 374.0 | 375.2 | 376.4 | 377.6 | 378.8 |
| 70° | 333.0 | 337.4 | 341.8 | 344.7 | 346.1 | 347.5 | 348.9 | 350.3 |
| 72.5° | 305.2 | 309.9 | 314.8 | 317.7 | 318.7 | 319.7 | 320.7 | 321.7 |
| 75° | 263.2 | 267.8 | 272.5 | 275.4 | 276.5 | 277.7 | 278.8 | 280.0 |
| 77.5° | 221.1 | 226.2 | 231.4 | 234.4 | 235.3 | 236.2 | 237.1 | 238.1 |
| 80° | 195.9 | 201.1 | 206.1 | 209.1 | 210.2 | 211.1 | 212.0 | 212.9 |
| 82.5° | 172.0 | 176.9 | 181.9 | 185.2 | 186.9 | 188.5 | 190.3 | 192.0 |
| 85° | 139.3 | 144.4 | 149.6 | 153.0 | 154.9 | 156.7 | 158.6 | 160.5 |
| 87.5° | 116.4 | 122.0 | 127.5 | 131.3 | 133.0 | 134.8 | 136.5 | 138.4 |
| 90° | 115.3 | 121.8 | 128.4 | 132.7 | 135.0 | 137.3 | 139.7 | 142.0 |
| 92.5° | 111.6 | 118.0 | 124.2 | 128.4 | 130.3 | 132.3 | 134.2 | 136.1 |
| 95° | 105.4 | 111.7 | 118.0 | 121.9 | 123.5 | 125.1 | 126.8 | 128.5 |
| 97.5° | 118.6 | 117.0 | 115.5 | 115.6 | 117.1 | 118.8 | 120.4 | 121.9 |
| 100° | 187.0 | 158.0 | 129.2 | 114.9 | 115.4 | 115.9 | 116.4 | 116.8 |
| 102.5° | 287.1 | 285.4 | 283.8 | 275.9 | 261.9 | 247.8 | 233.8 | 219.7 |
| 105° | 371.3 | 376.1 | 380.7 | 383.7 | 385.2 | 386.6 | 387.9 | 389.3 |
| 107.5° | 447.3 | 451.9 | 456.6 | 459.3 | 460.0 | 460.8 | 461.5 | 462.3 |
| 110° | 495.9 | 499.7 | 503.4 | 506.2 | 508.2 | 510.0 | 511.8 | 513.7 |



TEST NUMBER: P333414-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 544.2 | 547.5 | 550.9 | 553.3 | 554.6 | 555.9 | 557.2 | 558.6 |
| 115° | 617.4 | 620.7 | 624.0 | 625.6 | 625.7 | 625.7 | 625.7 | 625.8 |
| 117.5° | 687.5 | 690.3 | 693.1 | 695.0 | 696.0 | 697.0 | 698.0 | 698.9 |
| 120° | 733.1 | 736.5 | 740.0 | 741.9 | 742.1 | 742.5 | 742.8 | 743.0 |
| 122.5° | 775.9 | 779.2 | 782.5 | 784.3 | 784.3 | 784.4 | 784.5 | 784.6 |
| 125° | 838.7 | 841.5 | 844.3 | 846.0 | 846.5 | 847.0 | 847.4 | 847.9 |
| 127.5° | 895.3 | 898.4 | 901.3 | 902.6 | 902.3 | 901.9 | 901.6 | 901.3 |
| 130° | 933.0 | 935.5 | 938.2 | 939.5 | 939.5 | 939.5 | 939.6 | 939.6 |
| 132.5° | 967.5 | 970.6 | 973.7 | 975.2 | 975.0 | 974.9 | 974.7 | 974.6 |
| 135° | 1017.5 | 1020.1 | 1022.7 | 1023.9 | 1023.7 | 1023.5 | 1023.3 | 1023.1 |
| 137.5° | 1064.9 | 1067.8 | 1070.7 | 1071.9 | 1071.7 | 1071.5 | 1071.2 | 1071.0 |
| 140° | 1093.8 | 1096.8 | 1099.8 | 1101.2 | 1100.8 | 1100.2 | 1099.8 | 1099.4 |
| 142.5° | 1122.6 | 1124.8 | 1127.1 | 1128.0 | 1127.6 | 1127.2 | 1126.7 | 1126.3 |
| 145° | 1164.1 | 1165.5 | 1166.8 | 1167.3 | 1166.9 | 1166.5 | 1166.0 | 1165.6 |
| 147.5° | 1200.1 | 1200.8 | 1201.4 | 1201.1 | 1199.9 | 1198.7 | 1197.5 | 1196.3 |
| 150° | 1223.5 | 1224.0 | 1224.4 | 1223.9 | 1222.2 | 1220.6 | 1219.1 | 1217.5 |
| 152.5° | 1244.7 | 1245.2 | 1245.6 | 1245.1 | 1243.4 | 1241.8 | 1240.3 | 1238.7 |
| 155° | 1273.9 | 1274.7 | 1275.4 | 1274.8 | 1272.9 | 1271.1 | 1269.3 | 1267.5 |
| 157.5° | 1298.2 | 1298.9 | 1299.6 | 1299.1 | 1297.3 | 1295.5 | 1293.6 | 1291.8 |
| 160° | 1313.2 | 1314.1 | 1315.0 | 1314.5 | 1312.8 | 1311.0 | 1309.2 | 1307.4 |
| 162.5° | 1327.1 | 1328.3 | 1329.6 | 1329.2 | 1327.2 | 1325.2 | 1323.2 | 1321.2 |
| 165° | 1344.7 | 1346.2 | 1347.5 | 1347.3 | 1345.4 | 1343.6 | 1341.8 | 1340.0 |
| 167.5° | 1358.2 | 1359.8 | 1361.5 | 1361.3 | 1359.2 | 1357.2 | 1355.1 | 1353.1 |
| 170° | 1365.1 | 1367.0 | 1368.8 | 1368.6 | 1366.5 | 1364.5 | 1362.5 | 1360.4 |
| 172.5° | 1370.5 | 1372.1 | 1373.7 | 1373.5 | 1371.5 | 1369.4 | 1367.4 | 1365.3 |
| 175° | 1376.3 | 1378.2 | 1380.0 | 1379.9 | 1377.8 | 1375.7 | 1373.7 | 1371.7 |
| 177.5° | 1378.7 | 1380.0 | 1381.3 | 1381.2 | 1379.7 | 1378.3 | 1376.8 | 1375.3 |
| 180° | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 |

(END OF REPORT)