

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: P332207-927

Luminaire Tested: **S123DIW-S1000D1535U927-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332207-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S1000D1535U927-4F0-1E-UDD-D1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1535 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7543.9 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: General Diffuse

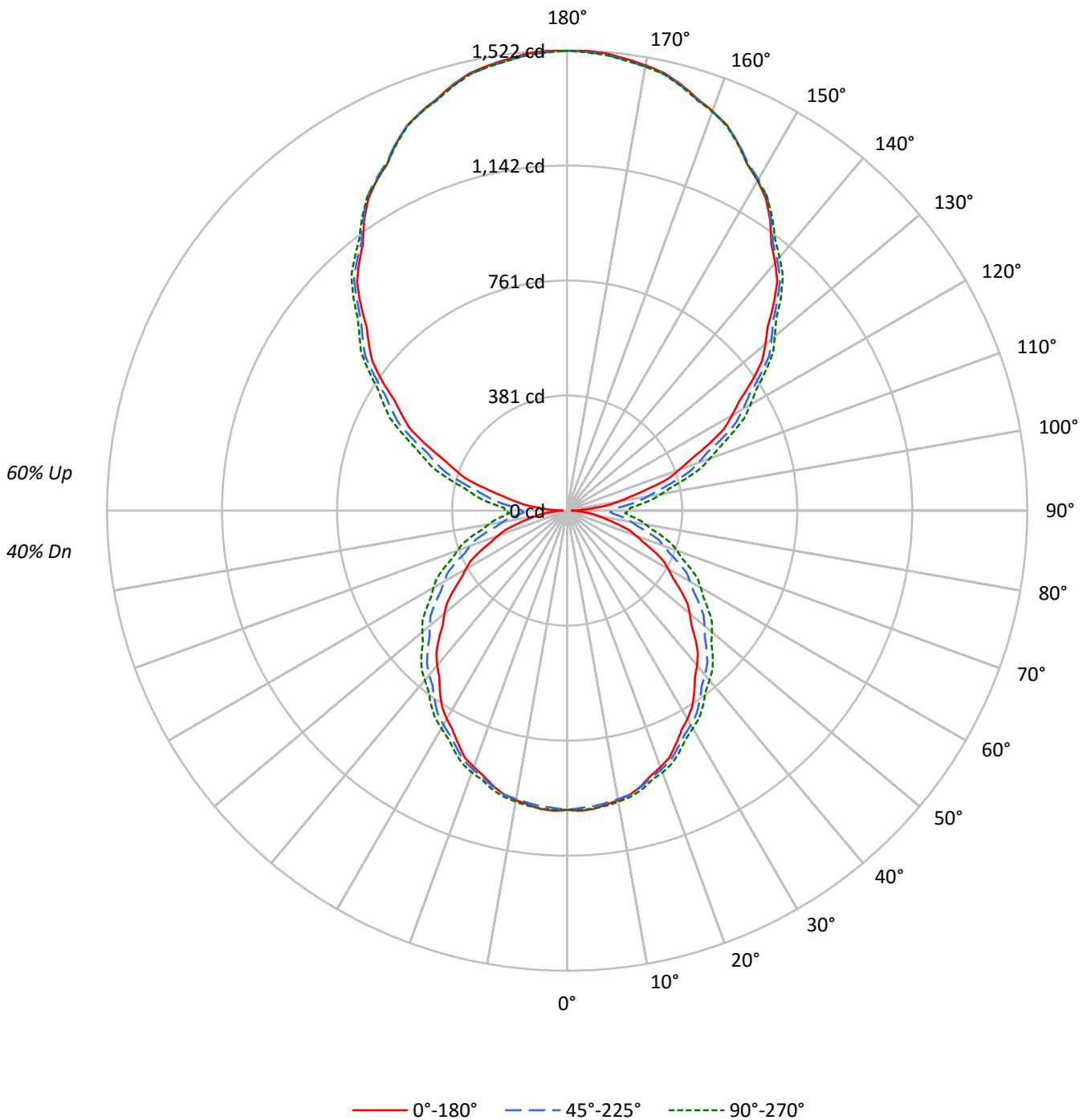
Input Watts (W): 76.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332207-927

CATALOG NUMBER: S123DIW-S1000D1535U927-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P332207-927

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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 | 62 | 62 | 62 | 47 | 47 | 47 | 40 |
| 1 | 95 | 90 | 86 | 82 | 86 | 82 | 79 | 75 | 67 | 64 | 62 | 53 | 51 | 50 | 40 | 39 | 38 | 32 |
| 2 | 86 | 78 | 72 | 66 | 78 | 71 | 66 | 61 | 58 | 54 | 51 | 46 | 43 | 41 | 35 | 33 | 32 | 26 |
| 3 | 78 | 68 | 61 | 55 | 71 | 62 | 56 | 51 | 51 | 46 | 42 | 41 | 37 | 34 | 31 | 28 | 26 | 22 |
| 4 | 71 | 60 | 52 | 46 | 65 | 55 | 48 | 43 | 45 | 40 | 36 | 36 | 32 | 29 | 27 | 25 | 23 | 19 |
| 5 | 65 | 54 | 45 | 39 | 59 | 49 | 42 | 36 | 40 | 35 | 31 | 32 | 28 | 25 | 25 | 22 | 20 | 16 |
| 6 | 60 | 48 | 40 | 34 | 54 | 44 | 37 | 31 | 36 | 31 | 27 | 29 | 25 | 22 | 22 | 19 | 17 | 14 |
| 7 | 55 | 43 | 35 | 30 | 50 | 40 | 32 | 27 | 33 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 12 |
| 8 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 24 | 21 | 24 | 20 | 17 | 19 | 16 | 13 | 11 |
| 9 | 48 | 36 | 28 | 23 | 43 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 12 | 10 |
| 10 | 45 | 33 | 25 | 21 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 20 | 16 | 14 | 16 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10654 | 10654 | 10654 |
| 5° | 10687 | 10385 | 10392 |
| 10° | 10592 | 10146 | 10095 |
| 15° | 10455 | 9874 | 9773 |
| 20° | 10260 | 9565 | 9418 |
| 25° | 10019 | 9208 | 9043 |
| 30° | 9772 | 8886 | 8665 |
| 35° | 9496 | 8547 | 8362 |
| 40° | 9231 | 8238 | 8039 |
| 45° | 8938 | 7941 | 7779 |
| 50° | 8650 | 7648 | 7494 |
| 55° | 8332 | 7348 | 7238 |
| 60° | 8020 | 7044 | 6974 |
| 65° | 7702 | 6718 | 6661 |
| 70° | 7222 | 6352 | 6341 |
| 75° | 6614 | 5933 | 6016 |
| 80° | 5915 | 5522 | 5642 |
| 85° | 5267 | 5241 | 5428 |



TEST NUMBER: P332207-927

CATALOG NUMBER: S123DIW-S1000D1535U927-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 93.8 | 1.2 |
| 10°-20° | 267.5 | 3.5 |
| 20°-30° | 400.0 | 5.3 |
| 30°-40° | 477.7 | 6.3 |
| 40°-50° | 499.9 | 6.6 |
| 50°-60° | 469.1 | 6.2 |
| 60°-70° | 391.8 | 5.2 |
| 70°-80° | 280.3 | 3.7 |
| 80°-90° | 171.7 | 2.3 |
| 90°-100° | 204.0 | 2.7 |
| 100°-110° | 373.6 | 5.0 |
| 110°-120° | 555.8 | 7.4 |
| 120°-130° | 692.8 | 9.2 |
| 130°-140° | 758.8 | 10.1 |
| 140°-150° | 735.7 | 9.8 |
| 150°-160° | 617.0 | 8.2 |
| 160°-170° | 410.7 | 5.4 |
| 170°-180° | 143.8 | 1.9 |
| 0°-30° | 761.3 | 10.1 |
| 0°-40° | 1239.1 | 16.4 |
| 0°-60° | 2208.0 | 29.3 |
| 0°-90° | 3051.7 | 40.5 |
| 90°-120° | 1133.3 | 15.0 |
| 90°-150° | 3320.6 | 44.0 |
| 90°-180° | 4492.0 | 59.5 |
| 0°-180° | 7543.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 990 | 990 | 990 | 990 | 990 | |
| 5° | 991 | 988 | 982 | 990 | 990 | 94 |
| 15° | 943 | 946 | 946 | 956 | 955 | 266 |
| 25° | 852 | 862 | 866 | 879 | 880 | 392 |
| 35° | 733 | 750 | 764 | 780 | 785 | 458 |
| 45° | 599 | 625 | 652 | 672 | 681 | 462 |
| 55° | 457 | 493 | 532 | 560 | 569 | 409 |
| 65° | 316 | 358 | 405 | 436 | 448 | 312 |
| 75° | 171 | 222 | 276 | 310 | 325 | 183 |
| 85° | 53 | 107 | 164 | 199 | 211 | 55 |
| 90° | 15 | 80 | 150 | 190 | 205 | 14 |
| 95° | 82 | 133 | 195 | 232 | 244 | 88 |
| 105° | 277 | 307 | 363 | 392 | 405 | 297 |
| 115° | 513 | 531 | 566 | 592 | 601 | 508 |
| 125° | 746 | 751 | 779 | 796 | 799 | 666 |
| 135° | 966 | 972 | 983 | 997 | 1000 | 744 |
| 145° | 1170 | 1172 | 1175 | 1182 | 1182 | 731 |
| 155° | 1339 | 1339 | 1340 | 1344 | 1337 | 616 |
| 165° | 1459 | 1455 | 1455 | 1461 | 1454 | 411 |
| 175° | 1517 | 1513 | 1512 | 1519 | 1511 | 144 |
| 180° | 1521 | 1521 | 1521 | 1521 | 1521 | |



TEST NUMBER: P332207-927

CATALOG NUMBER: S123DIW-S1000D1535U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 989.8 | 989.8 | 989.8 | 989.8 | 989.8 | 989.8 | 989.8 | 989.8 | 989.8 | 989.8 | 989.8 |
| 2.5° | 994.1 | 993.6 | 992.9 | 992.4 | 991.8 | 990.7 | 989.2 | 987.7 | 986.1 | 984.6 | 986.1 |
| 5° | 990.9 | 990.4 | 989.9 | 989.4 | 989.0 | 988.0 | 986.6 | 985.1 | 983.7 | 982.2 | 984.1 |
| 7.5° | 981.1 | 981.3 | 981.4 | 981.4 | 981.5 | 980.9 | 979.5 | 978.1 | 976.7 | 975.3 | 977.7 |
| 10° | 972.6 | 973.0 | 973.5 | 974.0 | 974.5 | 974.1 | 972.9 | 971.7 | 970.5 | 969.3 | 971.7 |
| 12.5° | 962.2 | 962.8 | 963.5 | 964.2 | 964.9 | 964.8 | 964.0 | 963.1 | 962.3 | 961.6 | 963.8 |
| 15° | 943.4 | 944.1 | 944.8 | 945.5 | 946.3 | 946.5 | 946.3 | 946.0 | 945.8 | 945.5 | 948.0 |
| 17.5° | 919.7 | 921.1 | 922.6 | 924.0 | 925.4 | 926.1 | 926.1 | 925.9 | 925.8 | 925.7 | 927.9 |
| 20° | 902.5 | 903.9 | 905.3 | 906.7 | 908.2 | 909.2 | 909.7 | 910.1 | 910.6 | 911.1 | 913.2 |
| 22.5° | 884.3 | 885.7 | 887.2 | 888.7 | 890.1 | 891.1 | 891.8 | 892.5 | 893.2 | 893.8 | 896.5 |
| 25° | 851.8 | 854.1 | 856.6 | 859.0 | 861.3 | 862.9 | 863.6 | 864.4 | 865.1 | 865.8 | 868.9 |
| 27.5° | 819.0 | 821.7 | 824.4 | 827.2 | 829.9 | 832.0 | 833.6 | 835.1 | 836.6 | 838.2 | 840.9 |
| 30° | 795.7 | 798.8 | 801.9 | 805.0 | 808.2 | 810.6 | 812.6 | 814.5 | 816.4 | 818.3 | 821.3 |
| 32.5° | 769.8 | 773.3 | 776.8 | 780.3 | 783.8 | 786.8 | 789.3 | 791.8 | 794.3 | 796.8 | 799.9 |
| 35° | 733.2 | 737.0 | 740.8 | 744.7 | 748.5 | 751.9 | 755.1 | 758.2 | 761.3 | 764.5 | 768.0 |
| 37.5° | 694.3 | 698.7 | 703.0 | 707.3 | 711.6 | 715.7 | 719.5 | 723.3 | 727.1 | 731.0 | 735.1 |
| 40° | 668.4 | 672.8 | 677.1 | 681.4 | 685.7 | 690.3 | 695.1 | 699.9 | 704.6 | 709.5 | 713.5 |
| 42.5° | 640.0 | 645.3 | 650.5 | 655.8 | 661.1 | 666.2 | 671.2 | 676.2 | 681.2 | 686.2 | 690.6 |
| 45° | 599.4 | 605.2 | 611.0 | 616.7 | 622.5 | 628.4 | 634.3 | 640.3 | 646.3 | 652.3 | 656.9 |
| 47.5° | 557.0 | 563.5 | 570.1 | 576.6 | 583.0 | 589.8 | 596.6 | 603.5 | 610.3 | 617.2 | 622.3 |
| 50° | 529.4 | 536.1 | 542.8 | 549.5 | 556.2 | 563.3 | 570.7 | 578.1 | 585.6 | 593.0 | 598.5 |
| 52.5° | 500.0 | 507.2 | 514.3 | 521.3 | 528.5 | 536.1 | 544.3 | 552.5 | 560.6 | 568.9 | 574.6 |
| 55° | 457.2 | 465.1 | 472.9 | 480.9 | 488.8 | 497.0 | 505.6 | 514.3 | 522.9 | 531.6 | 538.1 |
| 57.5° | 415.3 | 423.6 | 431.8 | 440.1 | 448.3 | 457.2 | 466.6 | 476.0 | 485.4 | 494.9 | 501.4 |
| 60° | 386.0 | 394.6 | 403.2 | 411.9 | 420.5 | 429.7 | 439.5 | 449.4 | 459.2 | 469.1 | 475.7 |
| 62.5° | 358.4 | 367.2 | 376.0 | 384.8 | 393.6 | 403.3 | 413.7 | 424.1 | 434.4 | 444.9 | 451.5 |
| 65° | 315.9 | 325.3 | 334.6 | 344.0 | 353.3 | 363.2 | 373.8 | 384.3 | 394.8 | 405.4 | 412.6 |
| 67.5° | 272.7 | 282.7 | 292.6 | 302.5 | 312.4 | 322.8 | 333.5 | 344.3 | 355.0 | 365.8 | 373.6 |
| 70° | 242.6 | 252.9 | 263.2 | 273.5 | 283.8 | 294.7 | 306.2 | 317.7 | 329.2 | 340.7 | 348.4 |
| 72.5° | 215.0 | 225.3 | 235.6 | 245.9 | 256.2 | 267.3 | 279.2 | 291.0 | 302.9 | 314.8 | 322.7 |
| 75° | 171.4 | 182.7 | 193.9 | 205.3 | 216.5 | 228.1 | 240.1 | 252.1 | 264.0 | 276.0 | 283.9 |
| 77.5° | 133.5 | 144.8 | 156.2 | 167.5 | 178.9 | 190.6 | 202.7 | 214.8 | 226.9 | 238.9 | 247.2 |
| 80° | 106.7 | 118.5 | 130.2 | 142.0 | 153.7 | 165.8 | 178.2 | 190.8 | 203.2 | 215.6 | 223.8 |
| 82.5° | 83.4 | 95.4 | 107.3 | 119.2 | 131.2 | 143.5 | 156.1 | 168.7 | 181.4 | 194.1 | 202.2 |
| 85° | 52.8 | 64.8 | 76.8 | 88.8 | 100.8 | 113.1 | 125.8 | 138.5 | 151.1 | 163.9 | 172.1 |
| 87.5° | 28.9 | 41.4 | 53.9 | 66.3 | 78.7 | 91.4 | 104.3 | 117.2 | 130.2 | 143.1 | 151.5 |
| 90° | 15.2 | 29.6 | 44.0 | 58.4 | 72.8 | 87.9 | 103.5 | 119.1 | 134.8 | 150.5 | 159.7 |
| 92.5° | 42.1 | 54.4 | 66.9 | 79.2 | 91.7 | 104.8 | 118.8 | 132.8 | 146.8 | 160.8 | 169.6 |
| 95° | 82.3 | 93.6 | 104.7 | 116.0 | 127.1 | 139.7 | 153.5 | 167.4 | 181.3 | 195.1 | 203.6 |
| 97.5° | 135.8 | 145.6 | 155.3 | 165.2 | 175.0 | 186.3 | 199.1 | 211.8 | 224.6 | 237.3 | 245.7 |
| 100° | 172.1 | 181.4 | 190.7 | 199.9 | 209.2 | 220.0 | 232.3 | 244.7 | 257.1 | 269.4 | 277.2 |
| 102.5° | 214.3 | 222.1 | 230.0 | 237.9 | 245.7 | 256.0 | 268.5 | 281.1 | 293.7 | 306.3 | 313.9 |
| 105° | 277.4 | 283.7 | 289.9 | 296.3 | 302.5 | 312.0 | 324.7 | 337.4 | 350.1 | 362.8 | 369.5 |
| 107.5° | 349.7 | 354.9 | 360.1 | 365.3 | 370.5 | 378.5 | 389.2 | 400.0 | 410.7 | 421.4 | 428.6 |
| 110° | 394.7 | 399.6 | 404.4 | 409.2 | 414.1 | 421.5 | 431.7 | 441.8 | 451.9 | 462.0 | 469.3 |



TEST NUMBER: P332207-927

CATALOG NUMBER: S123DIW-S1000D1535U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 442.5 | 446.3 | 450.2 | 454.1 | 458.0 | 464.5 | 473.8 | 483.2 | 492.4 | 501.8 | 509.1 |
| 115° | 513.1 | 516.7 | 520.5 | 524.1 | 527.8 | 533.6 | 541.8 | 549.9 | 557.9 | 566.0 | 572.0 |
| 117.5° | 585.0 | 587.3 | 589.6 | 591.9 | 594.2 | 599.1 | 606.5 | 613.9 | 621.3 | 628.8 | 634.4 |
| 120° | 629.1 | 631.8 | 634.6 | 637.5 | 640.2 | 644.9 | 651.5 | 658.1 | 664.6 | 671.2 | 676.4 |
| 122.5° | 675.9 | 677.7 | 679.5 | 681.3 | 683.1 | 687.4 | 694.2 | 701.0 | 707.9 | 714.7 | 719.3 |
| 125° | 746.2 | 747.0 | 747.8 | 748.6 | 749.4 | 753.0 | 759.5 | 765.9 | 772.3 | 778.7 | 782.7 |
| 127.5° | 812.2 | 813.7 | 815.1 | 816.6 | 818.0 | 821.3 | 826.5 | 831.7 | 836.9 | 842.0 | 845.3 |
| 130° | 856.2 | 858.0 | 859.9 | 861.8 | 863.7 | 866.6 | 870.6 | 874.6 | 878.6 | 882.6 | 886.1 |
| 132.5° | 899.3 | 901.3 | 903.4 | 905.5 | 907.5 | 910.2 | 913.5 | 916.7 | 920.0 | 923.2 | 926.3 |
| 135° | 966.1 | 967.5 | 968.9 | 970.3 | 971.6 | 973.4 | 975.8 | 978.2 | 980.6 | 982.9 | 986.2 |
| 137.5° | 1028.1 | 1029.2 | 1030.3 | 1031.5 | 1032.6 | 1034.3 | 1036.4 | 1038.6 | 1040.8 | 1043.0 | 1045.7 |
| 140° | 1070.2 | 1071.5 | 1072.9 | 1074.2 | 1075.5 | 1076.7 | 1077.7 | 1078.6 | 1079.7 | 1080.6 | 1083.9 |
| 142.5° | 1109.4 | 1110.6 | 1111.7 | 1112.8 | 1114.0 | 1114.8 | 1115.5 | 1116.0 | 1116.7 | 1117.3 | 1120.2 |
| 145° | 1170.5 | 1170.8 | 1171.2 | 1171.4 | 1171.7 | 1172.3 | 1173.1 | 1173.9 | 1174.6 | 1175.4 | 1177.1 |
| 147.5° | 1223.0 | 1223.9 | 1224.9 | 1225.9 | 1226.9 | 1227.6 | 1228.4 | 1229.2 | 1229.9 | 1230.7 | 1231.2 |
| 150° | 1260.3 | 1260.8 | 1261.3 | 1261.9 | 1262.4 | 1262.9 | 1263.5 | 1264.0 | 1264.5 | 1265.0 | 1265.0 |
| 152.5° | 1290.9 | 1291.6 | 1292.4 | 1293.1 | 1293.8 | 1294.3 | 1294.7 | 1295.0 | 1295.3 | 1295.6 | 1296.1 |
| 155° | 1339.1 | 1339.1 | 1339.1 | 1339.1 | 1339.1 | 1339.3 | 1339.5 | 1339.7 | 1340.1 | 1340.3 | 1341.4 |
| 157.5° | 1380.2 | 1379.9 | 1379.6 | 1379.3 | 1379.0 | 1378.9 | 1379.1 | 1379.3 | 1379.5 | 1379.7 | 1380.9 |
| 160° | 1406.0 | 1405.5 | 1404.9 | 1404.4 | 1403.9 | 1403.6 | 1403.6 | 1403.6 | 1403.6 | 1403.6 | 1404.9 |
| 162.5° | 1428.9 | 1428.2 | 1427.4 | 1426.7 | 1426.0 | 1425.7 | 1425.9 | 1426.2 | 1426.3 | 1426.6 | 1427.9 |
| 165° | 1458.6 | 1457.8 | 1457.0 | 1456.2 | 1455.4 | 1455.0 | 1455.0 | 1455.0 | 1455.0 | 1455.0 | 1456.6 |
| 167.5° | 1482.3 | 1481.1 | 1480.1 | 1479.0 | 1478.0 | 1477.6 | 1477.7 | 1478.0 | 1478.2 | 1478.4 | 1480.0 |
| 170° | 1495.6 | 1494.5 | 1493.5 | 1492.4 | 1491.4 | 1490.8 | 1490.8 | 1490.8 | 1490.8 | 1490.8 | 1492.7 |
| 172.5° | 1506.1 | 1505.1 | 1504.0 | 1502.9 | 1501.9 | 1501.3 | 1501.3 | 1501.3 | 1501.3 | 1501.3 | 1503.0 |
| 175° | 1517.1 | 1516.1 | 1515.0 | 1513.9 | 1512.8 | 1512.4 | 1512.4 | 1512.4 | 1512.4 | 1512.4 | 1513.9 |
| 177.5° | 1521.6 | 1520.8 | 1520.0 | 1519.1 | 1518.2 | 1517.8 | 1517.8 | 1517.8 | 1517.8 | 1517.8 | 1519.1 |
| 180° | 1520.7 | 1520.7 | 1520.7 | 1520.7 | 1520.7 | 1520.7 | 1520.7 | 1520.7 | 1520.7 | 1520.7 | 1520.7 |



TEST NUMBER: P332207-927

CATALOG NUMBER: S123DIW-S1000D1535U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 989.8 | 989.8 | 989.8 | 989.8 | 989.8 | 989.8 | 989.8 | 989.8 |
| 2.5° | 987.7 | 989.2 | 990.7 | 991.4 | 991.2 | 991.0 | 990.9 | 990.6 |
| 5° | 986.0 | 988.0 | 989.9 | 990.7 | 990.5 | 990.2 | 990.0 | 989.8 |
| 7.5° | 980.1 | 982.5 | 984.9 | 986.0 | 985.7 | 985.4 | 985.1 | 984.8 |
| 10° | 974.1 | 976.4 | 978.9 | 979.9 | 979.4 | 978.9 | 978.4 | 977.9 |
| 12.5° | 965.9 | 968.1 | 970.3 | 971.2 | 970.7 | 970.3 | 969.8 | 969.3 |
| 15° | 950.4 | 952.8 | 955.1 | 956.2 | 956.0 | 955.8 | 955.5 | 955.3 |
| 17.5° | 930.0 | 932.2 | 934.4 | 935.3 | 934.9 | 934.6 | 934.3 | 933.9 |
| 20° | 915.4 | 917.5 | 919.7 | 920.9 | 921.1 | 921.4 | 921.6 | 921.9 |
| 22.5° | 899.3 | 902.0 | 904.8 | 906.0 | 905.9 | 905.8 | 905.6 | 905.5 |
| 25° | 872.0 | 875.1 | 878.2 | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 |
| 27.5° | 843.5 | 846.2 | 848.9 | 850.3 | 850.6 | 850.7 | 851.0 | 851.1 |
| 30° | 824.1 | 827.0 | 829.8 | 831.3 | 831.3 | 831.3 | 831.3 | 831.3 |
| 32.5° | 803.0 | 806.0 | 809.1 | 810.9 | 811.4 | 812.0 | 812.6 | 813.2 |
| 35° | 771.6 | 775.2 | 778.8 | 781.1 | 782.0 | 783.0 | 783.9 | 784.9 |
| 37.5° | 739.2 | 743.2 | 747.3 | 749.7 | 750.5 | 751.2 | 752.0 | 752.8 |
| 40° | 717.6 | 721.7 | 725.7 | 728.3 | 729.2 | 730.2 | 731.1 | 732.1 |
| 42.5° | 695.1 | 699.5 | 704.0 | 706.9 | 708.2 | 709.6 | 710.9 | 712.3 |
| 45° | 661.4 | 666.0 | 670.5 | 673.8 | 675.7 | 677.6 | 679.5 | 681.4 |
| 47.5° | 627.4 | 632.6 | 637.6 | 641.0 | 642.5 | 644.0 | 645.4 | 646.9 |
| 50° | 604.0 | 609.5 | 615.1 | 618.6 | 620.4 | 622.0 | 623.7 | 625.3 |
| 52.5° | 580.3 | 586.0 | 591.7 | 595.6 | 597.6 | 599.7 | 601.7 | 603.8 |
| 55° | 544.5 | 551.0 | 557.5 | 561.6 | 563.6 | 565.5 | 567.4 | 569.3 |
| 57.5° | 507.9 | 514.4 | 520.9 | 525.4 | 527.6 | 529.8 | 532.1 | 534.3 |
| 60° | 482.4 | 489.2 | 495.8 | 500.5 | 503.2 | 505.8 | 508.4 | 511.0 |
| 62.5° | 458.3 | 465.0 | 471.7 | 476.3 | 478.7 | 481.2 | 483.6 | 486.1 |
| 65° | 419.8 | 427.0 | 434.1 | 438.9 | 441.3 | 443.7 | 446.2 | 448.5 |
| 67.5° | 381.4 | 389.3 | 397.1 | 402.1 | 404.1 | 406.2 | 408.1 | 410.1 |
| 70° | 356.0 | 363.7 | 371.4 | 376.4 | 378.8 | 381.2 | 383.6 | 386.0 |
| 72.5° | 330.6 | 338.4 | 346.3 | 351.4 | 353.8 | 356.2 | 358.6 | 361.0 |
| 75° | 291.8 | 299.8 | 307.6 | 313.1 | 315.9 | 318.8 | 321.6 | 324.6 |
| 77.5° | 255.6 | 264.0 | 272.3 | 277.6 | 279.7 | 281.9 | 284.2 | 286.4 |
| 80° | 232.0 | 240.1 | 248.2 | 253.5 | 255.9 | 258.3 | 260.7 | 263.1 |
| 82.5° | 210.4 | 218.5 | 226.6 | 232.0 | 234.3 | 236.7 | 239.1 | 241.5 |
| 85° | 180.1 | 188.3 | 196.5 | 201.8 | 204.1 | 206.5 | 208.9 | 211.4 |
| 87.5° | 159.8 | 168.2 | 176.5 | 182.0 | 184.5 | 187.0 | 189.5 | 191.9 |
| 90° | 168.9 | 178.2 | 187.4 | 193.4 | 196.3 | 199.2 | 202.2 | 205.1 |
| 92.5° | 178.4 | 187.2 | 196.0 | 201.4 | 203.3 | 205.2 | 207.0 | 208.9 |
| 95° | 212.1 | 220.6 | 229.1 | 234.6 | 236.9 | 239.3 | 241.7 | 244.2 |
| 97.5° | 254.1 | 262.4 | 270.8 | 276.1 | 278.4 | 280.7 | 283.0 | 285.3 |
| 100° | 284.9 | 292.6 | 300.4 | 305.7 | 308.6 | 311.6 | 314.5 | 317.4 |
| 102.5° | 321.4 | 328.9 | 336.5 | 341.4 | 343.7 | 346.0 | 348.2 | 350.5 |
| 105° | 376.2 | 382.9 | 389.6 | 394.3 | 397.0 | 399.7 | 402.3 | 405.0 |
| 107.5° | 435.9 | 443.2 | 450.5 | 455.0 | 456.9 | 458.6 | 460.4 | 462.2 |
| 110° | 476.6 | 483.9 | 491.2 | 495.5 | 496.9 | 498.3 | 499.7 | 501.1 |



TEST NUMBER: P332207-927

CATALOG NUMBER: S123DIW-S1000D1535U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 516.3 | 523.7 | 531.0 | 535.7 | 537.7 | 539.6 | 541.7 | 543.7 |
| 115° | 578.1 | 584.1 | 590.1 | 593.9 | 595.6 | 597.2 | 598.9 | 600.6 |
| 117.5° | 640.0 | 645.7 | 651.3 | 654.7 | 655.8 | 657.0 | 658.1 | 659.2 |
| 120° | 681.8 | 687.0 | 692.2 | 695.4 | 696.6 | 697.7 | 698.9 | 700.0 |
| 122.5° | 724.0 | 728.6 | 733.2 | 736.0 | 737.0 | 737.8 | 738.8 | 739.7 |
| 125° | 786.6 | 790.6 | 794.6 | 796.9 | 797.5 | 798.1 | 798.8 | 799.3 |
| 127.5° | 848.5 | 851.8 | 855.0 | 856.9 | 857.3 | 857.7 | 858.1 | 858.5 |
| 130° | 889.6 | 893.1 | 896.6 | 898.1 | 897.7 | 897.3 | 896.8 | 896.4 |
| 132.5° | 929.4 | 932.5 | 935.6 | 937.2 | 937.4 | 937.6 | 937.8 | 938.0 |
| 135° | 989.4 | 992.7 | 995.9 | 997.9 | 998.5 | 999.3 | 999.9 | 1000.5 |
| 137.5° | 1048.3 | 1051.0 | 1053.7 | 1055.1 | 1055.3 | 1055.5 | 1055.7 | 1055.8 |
| 140° | 1087.3 | 1090.6 | 1093.9 | 1095.3 | 1094.6 | 1093.9 | 1093.3 | 1092.7 |
| 142.5° | 1123.2 | 1126.2 | 1129.1 | 1130.4 | 1130.2 | 1130.0 | 1129.7 | 1129.5 |
| 145° | 1178.8 | 1180.4 | 1182.1 | 1182.8 | 1182.7 | 1182.6 | 1182.5 | 1182.4 |
| 147.5° | 1231.8 | 1232.4 | 1233.0 | 1232.9 | 1232.2 | 1231.4 | 1230.7 | 1229.9 |
| 150° | 1265.0 | 1265.0 | 1265.0 | 1264.5 | 1263.4 | 1262.3 | 1261.2 | 1260.0 |
| 152.5° | 1296.5 | 1296.9 | 1297.4 | 1296.9 | 1295.6 | 1294.3 | 1293.1 | 1291.7 |
| 155° | 1342.4 | 1343.5 | 1344.6 | 1344.2 | 1342.3 | 1340.5 | 1338.6 | 1336.7 |
| 157.5° | 1382.0 | 1383.1 | 1384.2 | 1384.0 | 1382.5 | 1381.0 | 1379.5 | 1378.1 |
| 160° | 1406.3 | 1407.6 | 1408.9 | 1409.1 | 1408.0 | 1406.9 | 1405.9 | 1404.8 |
| 162.5° | 1429.2 | 1430.5 | 1431.9 | 1431.7 | 1430.0 | 1428.3 | 1426.6 | 1424.9 |
| 165° | 1458.2 | 1459.8 | 1461.3 | 1461.3 | 1459.4 | 1457.5 | 1455.6 | 1453.8 |
| 167.5° | 1481.7 | 1483.4 | 1484.9 | 1484.9 | 1483.4 | 1481.7 | 1480.0 | 1478.4 |
| 170° | 1494.5 | 1496.4 | 1498.3 | 1498.3 | 1496.4 | 1494.5 | 1492.7 | 1490.8 |
| 172.5° | 1504.6 | 1506.3 | 1507.9 | 1507.8 | 1505.9 | 1504.1 | 1502.2 | 1500.4 |
| 175° | 1515.5 | 1517.1 | 1518.7 | 1518.5 | 1516.7 | 1514.8 | 1513.0 | 1511.2 |
| 177.5° | 1520.4 | 1521.6 | 1522.9 | 1522.8 | 1521.3 | 1519.8 | 1518.4 | 1516.9 |
| 180° | 1520.7 | 1520.7 | 1520.7 | 1520.7 | 1520.7 | 1520.7 | 1520.7 | 1520.7 |

(END OF REPORT)