

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: P332039-927

Luminaire Tested: **S123DIP-S1000D1195U927-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332039-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D1195U927-4F0-1E-UDD-D
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1195 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7107.4 lumens
Efficiency: N/A
Efficacy: 108.7 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

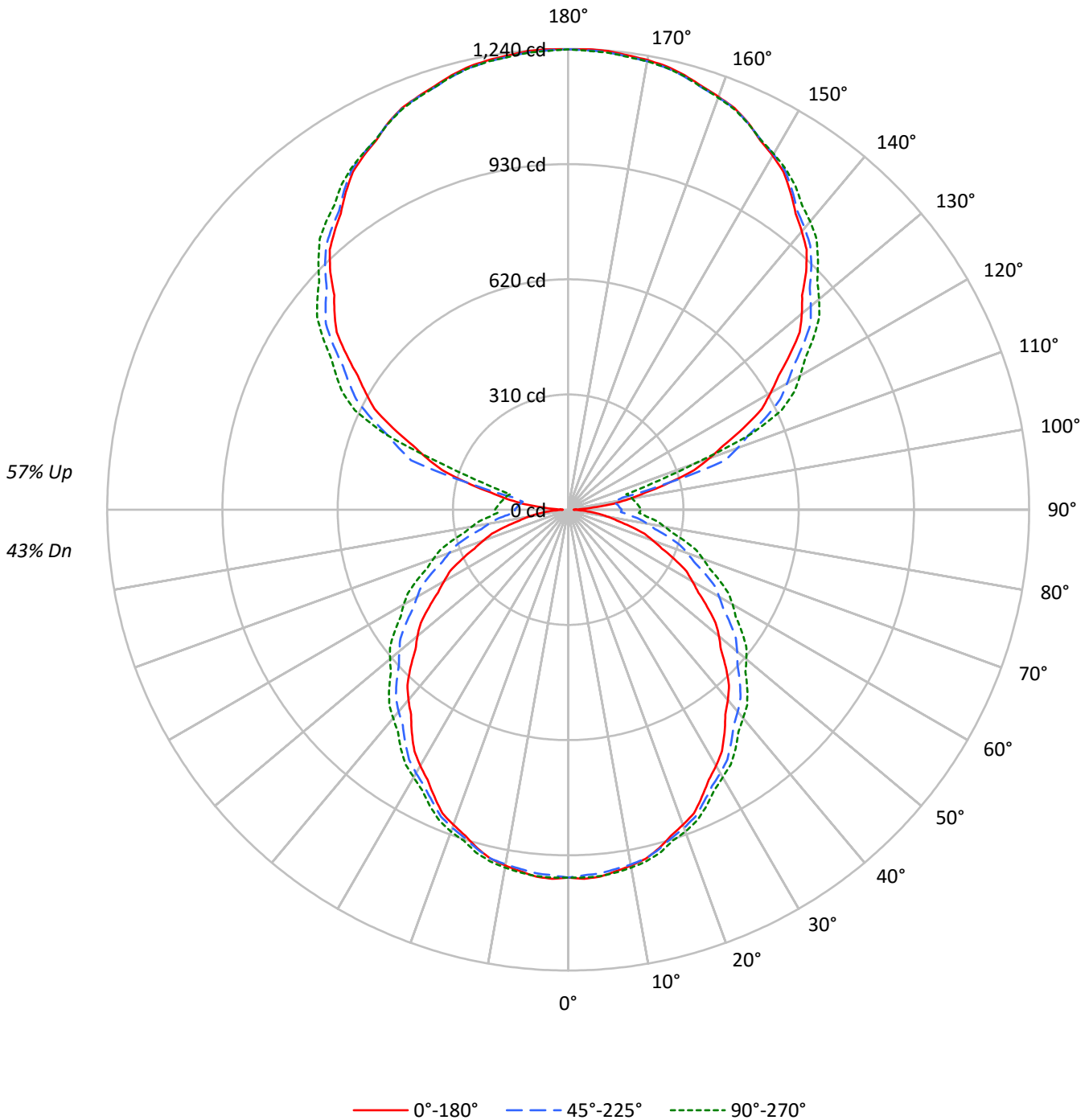
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332039-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332039-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-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 | 79 | 79 | 79 | 64 | 64 | 64 | 50 | 50 | 50 | 43 |
| 1 | 95 | 91 | 86 | 83 | 87 | 83 | 79 | 76 | 68 | 66 | 63 | 55 | 53 | 51 | 42 | 41 | 40 | 34 |
| 2 | 86 | 79 | 72 | 67 | 79 | 72 | 66 | 62 | 59 | 55 | 52 | 48 | 45 | 42 | 37 | 35 | 33 | 28 |
| 3 | 79 | 69 | 61 | 55 | 71 | 63 | 56 | 51 | 52 | 47 | 43 | 42 | 38 | 35 | 32 | 30 | 28 | 23 |
| 4 | 72 | 61 | 53 | 46 | 65 | 56 | 48 | 43 | 46 | 41 | 36 | 37 | 33 | 30 | 29 | 26 | 24 | 20 |
| 5 | 66 | 54 | 46 | 39 | 60 | 49 | 42 | 37 | 41 | 35 | 31 | 33 | 29 | 26 | 26 | 23 | 20 | 17 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 32 | 37 | 31 | 27 | 30 | 26 | 22 | 23 | 20 | 18 | 15 |
| 7 | 56 | 43 | 35 | 30 | 51 | 40 | 33 | 28 | 33 | 28 | 24 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |
| 8 | 52 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 21 | 17 | 19 | 16 | 14 | 12 |
| 9 | 48 | 36 | 28 | 23 | 44 | 33 | 26 | 22 | 28 | 22 | 19 | 23 | 19 | 16 | 18 | 15 | 13 | 10 |
| 10 | 45 | 33 | 25 | 21 | 41 | 30 | 24 | 19 | 25 | 20 | 17 | 21 | 17 | 14 | 17 | 14 | 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: P332039-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 93.8 | 1.3 |
| 10°-20° | 267.5 | 3.8 |
| 20°-30° | 400.0 | 5.6 |
| 30°-40° | 477.7 | 6.7 |
| 40°-50° | 499.9 | 7.0 |
| 50°-60° | 469.1 | 6.6 |
| 60°-70° | 391.8 | 5.5 |
| 70°-80° | 280.3 | 3.9 |
| 80°-90° | 170.6 | 2.4 |
| 90°-100° | 149.9 | 2.1 |
| 100°-110° | 291.7 | 4.1 |
| 110°-120° | 567.1 | 8.0 |
| 120°-130° | 686.0 | 9.7 |
| 130°-140° | 714.7 | 10.1 |
| 140°-150° | 658.8 | 9.3 |
| 150°-160° | 529.2 | 7.4 |
| 160°-170° | 341.5 | 4.8 |
| 170°-180° | 117.7 | 1.7 |
| 0°-30° | 761.3 | 10.7 |
| 0°-40° | 1239.1 | 17.4 |
| 0°-60° | 2208.0 | 31.1 |
| 0°-90° | 3050.7 | 42.9 |
| 90°-120° | 1008.7 | 14.2 |
| 90°-150° | 3068.3 | 43.2 |
| 90°-180° | 4057.0 | 57.1 |
| 0°-180° | 7107.4 | 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 | 77 | 144 | 183 | 197 | 12 |
| 95° | 68 | 76 | 135 | 174 | 186 | 79 |
| 105° | 283 | 315 | 282 | 158 | 161 | 299 |
| 115° | 520 | 540 | 585 | 619 | 633 | 513 |
| 125° | 728 | 737 | 771 | 794 | 805 | 651 |
| 135° | 905 | 910 | 925 | 946 | 950 | 696 |
| 145° | 1043 | 1048 | 1050 | 1060 | 1065 | 652 |
| 155° | 1148 | 1146 | 1147 | 1151 | 1146 | 529 |
| 165° | 1210 | 1208 | 1207 | 1213 | 1208 | 342 |
| 175° | 1239 | 1234 | 1235 | 1241 | 1234 | 118 |
| 180° | 1239 | 1239 | 1239 | 1239 | 1239 | |



TEST NUMBER: P332039-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-D

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° | 28.8 | 41.2 | 53.6 | 65.9 | 78.3 | 90.8 | 103.5 | 116.3 | 129.0 | 141.8 | 150.1 |
| 90° | 15.0 | 28.8 | 42.5 | 56.3 | 70.1 | 84.4 | 99.3 | 114.2 | 129.0 | 143.9 | 152.9 |
| 92.5° | 30.3 | 40.3 | 50.3 | 60.4 | 70.3 | 82.4 | 96.4 | 110.4 | 124.5 | 138.5 | 147.7 |
| 95° | 68.0 | 69.0 | 69.9 | 70.9 | 71.9 | 79.3 | 93.3 | 107.3 | 121.3 | 135.3 | 144.1 |
| 97.5° | 123.4 | 128.1 | 132.8 | 137.4 | 142.1 | 142.7 | 139.2 | 135.6 | 132.1 | 128.7 | 137.4 |
| 100° | 165.2 | 177.0 | 188.8 | 200.5 | 212.3 | 207.7 | 186.8 | 166.0 | 145.0 | 124.2 | 132.8 |
| 102.5° | 212.9 | 222.8 | 232.7 | 242.5 | 252.4 | 245.3 | 221.3 | 197.3 | 173.2 | 149.2 | 150.9 |
| 105° | 282.9 | 290.9 | 298.9 | 306.9 | 314.9 | 314.8 | 306.7 | 298.7 | 290.5 | 282.4 | 252.9 |
| 107.5° | 355.6 | 362.3 | 369.0 | 375.7 | 382.4 | 392.1 | 404.7 | 417.4 | 430.1 | 442.8 | 422.6 |
| 110° | 404.1 | 410.0 | 416.0 | 421.9 | 427.9 | 436.7 | 448.6 | 460.4 | 472.2 | 484.1 | 483.5 |



TEST NUMBER: P332039-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 451.2 | 456.2 | 461.2 | 466.3 | 471.3 | 479.5 | 490.9 | 502.4 | 513.9 | 525.3 | 531.5 |
| 115° | 519.9 | 523.9 | 528.1 | 532.2 | 536.3 | 543.6 | 554.1 | 564.5 | 575.0 | 585.4 | 593.3 |
| 117.5° | 587.2 | 590.5 | 593.8 | 597.1 | 600.4 | 606.5 | 615.5 | 624.6 | 633.7 | 642.7 | 650.0 |
| 120° | 628.4 | 631.4 | 634.4 | 637.5 | 640.5 | 646.3 | 654.7 | 663.3 | 671.8 | 680.3 | 687.5 |
| 122.5° | 671.1 | 673.2 | 675.3 | 677.4 | 679.5 | 684.8 | 693.1 | 701.4 | 709.7 | 718.0 | 724.5 |
| 125° | 728.5 | 730.2 | 731.7 | 733.4 | 735.1 | 739.7 | 747.5 | 755.3 | 763.0 | 770.8 | 776.3 |
| 127.5° | 785.2 | 786.6 | 788.0 | 789.3 | 790.8 | 794.8 | 801.5 | 808.3 | 815.0 | 821.7 | 827.1 |
| 130° | 820.5 | 821.9 | 823.3 | 824.7 | 826.1 | 829.6 | 835.2 | 840.8 | 846.4 | 852.1 | 857.5 |
| 132.5° | 853.5 | 855.1 | 856.7 | 858.3 | 859.9 | 862.9 | 867.4 | 871.9 | 876.4 | 880.9 | 886.1 |
| 135° | 905.1 | 906.0 | 907.0 | 908.0 | 908.9 | 911.2 | 914.7 | 918.1 | 921.5 | 925.0 | 929.9 |
| 137.5° | 949.0 | 950.4 | 951.7 | 953.1 | 954.4 | 956.1 | 958.1 | 960.0 | 961.9 | 963.8 | 968.6 |
| 140° | 977.6 | 978.8 | 980.0 | 981.3 | 982.5 | 983.8 | 985.1 | 986.4 | 987.8 | 989.1 | 993.6 |
| 142.5° | 1004.8 | 1005.8 | 1006.9 | 1008.0 | 1009.0 | 1009.9 | 1010.6 | 1011.4 | 1012.2 | 1012.9 | 1016.8 |
| 145° | 1042.9 | 1044.1 | 1045.3 | 1046.5 | 1047.7 | 1048.5 | 1048.9 | 1049.3 | 1049.7 | 1050.1 | 1052.5 |
| 147.5° | 1077.8 | 1078.7 | 1079.7 | 1080.5 | 1081.5 | 1082.2 | 1082.6 | 1083.0 | 1083.4 | 1083.8 | 1084.8 |
| 150° | 1099.9 | 1100.4 | 1101.1 | 1101.7 | 1102.3 | 1102.8 | 1103.2 | 1103.6 | 1104.1 | 1104.5 | 1104.9 |
| 152.5° | 1119.7 | 1120.0 | 1120.3 | 1120.5 | 1120.9 | 1121.1 | 1121.3 | 1121.7 | 1121.9 | 1122.1 | 1122.8 |
| 155° | 1147.7 | 1147.3 | 1146.8 | 1146.4 | 1146.1 | 1146.0 | 1146.1 | 1146.4 | 1146.6 | 1146.8 | 1147.8 |
| 157.5° | 1169.4 | 1169.3 | 1169.3 | 1169.3 | 1169.3 | 1169.1 | 1168.9 | 1168.7 | 1168.5 | 1168.3 | 1169.6 |
| 160° | 1182.6 | 1182.5 | 1182.3 | 1182.1 | 1181.9 | 1181.6 | 1181.5 | 1181.2 | 1181.1 | 1180.8 | 1182.1 |
| 162.5° | 1195.2 | 1194.7 | 1194.1 | 1193.6 | 1193.0 | 1192.7 | 1192.5 | 1192.3 | 1192.1 | 1191.8 | 1193.3 |
| 165° | 1210.3 | 1209.7 | 1209.0 | 1208.5 | 1207.8 | 1207.4 | 1207.2 | 1207.0 | 1206.8 | 1206.6 | 1208.2 |
| 167.5° | 1222.1 | 1221.2 | 1220.4 | 1219.6 | 1218.8 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1218.4 | 1220.0 |
| 170° | 1228.7 | 1227.9 | 1227.1 | 1226.2 | 1225.4 | 1225.0 | 1225.0 | 1225.0 | 1225.0 | 1225.0 | 1226.6 |
| 172.5° | 1233.1 | 1232.2 | 1231.1 | 1230.2 | 1229.2 | 1228.8 | 1228.9 | 1229.1 | 1229.2 | 1229.4 | 1231.1 |
| 175° | 1238.8 | 1237.8 | 1236.8 | 1235.7 | 1234.7 | 1234.3 | 1234.5 | 1234.7 | 1234.9 | 1235.1 | 1236.6 |
| 177.5° | 1240.3 | 1239.4 | 1238.7 | 1237.9 | 1237.0 | 1236.7 | 1236.8 | 1237.0 | 1237.2 | 1237.3 | 1238.7 |
| 180° | 1238.8 | 1238.8 | 1238.8 | 1238.8 | 1238.8 | 1238.8 | 1238.8 | 1238.8 | 1238.8 | 1238.8 | 1238.8 |



TEST NUMBER: P332039-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-D

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° | 158.4 | 166.7 | 175.0 | 180.4 | 182.9 | 185.4 | 187.8 | 190.4 |
| 90° | 161.8 | 170.8 | 179.7 | 185.7 | 188.5 | 191.3 | 194.1 | 196.9 |
| 92.5° | 157.0 | 166.3 | 175.5 | 181.4 | 183.9 | 186.3 | 188.8 | 191.2 |
| 95° | 153.0 | 161.8 | 170.7 | 176.3 | 178.7 | 181.1 | 183.5 | 185.9 |
| 97.5° | 146.2 | 155.0 | 163.7 | 169.4 | 172.0 | 174.6 | 177.2 | 179.8 |
| 100° | 141.3 | 150.0 | 158.5 | 164.1 | 166.7 | 169.3 | 171.9 | 174.5 |
| 102.5° | 152.6 | 154.2 | 155.9 | 158.1 | 160.9 | 163.7 | 166.4 | 169.2 |
| 105° | 223.5 | 193.9 | 164.5 | 151.0 | 153.5 | 156.1 | 158.7 | 161.3 |
| 107.5° | 402.5 | 382.4 | 362.3 | 339.6 | 314.4 | 289.2 | 264.0 | 238.9 |
| 110° | 483.1 | 482.5 | 482.0 | 468.1 | 440.8 | 413.4 | 386.1 | 358.8 |



TEST NUMBER: P332039-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 537.7 | 543.8 | 549.9 | 551.0 | 546.9 | 542.9 | 538.8 | 534.7 |
| 115° | 601.0 | 608.8 | 616.6 | 621.9 | 624.6 | 627.3 | 630.1 | 632.8 |
| 117.5° | 657.4 | 664.7 | 672.0 | 676.7 | 678.7 | 680.8 | 682.8 | 684.8 |
| 120° | 694.7 | 701.8 | 708.9 | 713.4 | 715.0 | 716.7 | 718.4 | 720.0 |
| 122.5° | 730.9 | 737.4 | 743.9 | 748.0 | 749.9 | 751.7 | 753.5 | 755.3 |
| 125° | 781.6 | 787.1 | 792.6 | 796.3 | 798.4 | 800.5 | 802.6 | 804.7 |
| 127.5° | 832.6 | 838.0 | 843.4 | 846.7 | 847.9 | 849.1 | 850.3 | 851.5 |
| 130° | 862.8 | 868.2 | 873.5 | 876.7 | 877.7 | 878.8 | 879.8 | 880.8 |
| 132.5° | 891.2 | 896.4 | 901.6 | 904.7 | 905.8 | 906.8 | 907.8 | 908.9 |
| 135° | 934.9 | 939.8 | 944.8 | 947.5 | 948.1 | 948.6 | 949.3 | 949.8 |
| 137.5° | 973.4 | 978.1 | 982.9 | 985.7 | 986.5 | 987.3 | 988.1 | 988.9 |
| 140° | 997.9 | 1002.3 | 1006.8 | 1009.3 | 1010.1 | 1010.9 | 1011.7 | 1012.5 |
| 142.5° | 1020.6 | 1024.5 | 1028.3 | 1030.6 | 1031.3 | 1031.8 | 1032.5 | 1033.1 |
| 145° | 1054.8 | 1057.1 | 1059.5 | 1061.0 | 1062.1 | 1063.0 | 1064.0 | 1064.9 |
| 147.5° | 1085.8 | 1086.8 | 1087.7 | 1088.2 | 1088.1 | 1088.1 | 1088.0 | 1087.9 |
| 150° | 1105.3 | 1105.6 | 1106.0 | 1106.2 | 1106.0 | 1106.0 | 1105.8 | 1105.6 |
| 152.5° | 1123.6 | 1124.3 | 1125.1 | 1125.0 | 1124.2 | 1123.3 | 1122.4 | 1121.7 |
| 155° | 1148.8 | 1149.9 | 1150.9 | 1150.7 | 1149.5 | 1148.3 | 1147.1 | 1145.9 |
| 157.5° | 1170.8 | 1172.0 | 1173.2 | 1173.1 | 1171.5 | 1169.8 | 1168.2 | 1166.6 |
| 160° | 1183.3 | 1184.5 | 1185.7 | 1185.7 | 1184.2 | 1182.8 | 1181.3 | 1179.9 |
| 162.5° | 1194.7 | 1196.0 | 1197.5 | 1197.5 | 1196.2 | 1194.9 | 1193.7 | 1192.4 |
| 165° | 1209.9 | 1211.5 | 1213.1 | 1213.2 | 1211.8 | 1210.4 | 1208.9 | 1207.5 |
| 167.5° | 1221.6 | 1223.3 | 1225.0 | 1225.0 | 1223.3 | 1221.6 | 1220.0 | 1218.4 |
| 170° | 1228.3 | 1229.9 | 1231.5 | 1231.5 | 1229.9 | 1228.3 | 1226.6 | 1225.0 |
| 172.5° | 1232.7 | 1234.3 | 1236.0 | 1235.9 | 1234.1 | 1232.3 | 1230.5 | 1228.7 |
| 175° | 1238.0 | 1239.4 | 1240.9 | 1240.7 | 1239.1 | 1237.5 | 1235.9 | 1234.2 |
| 177.5° | 1239.9 | 1241.3 | 1242.5 | 1242.4 | 1240.8 | 1239.1 | 1237.5 | 1235.9 |
| 180° | 1238.8 | 1238.8 | 1238.8 | 1238.8 | 1238.8 | 1238.8 | 1238.8 | 1238.8 |

(END OF REPORT)