

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: P332033-935

Luminaire Tested: **S123DIP-S1000D1025U935-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332033-935
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-S1000D1025U935-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1025 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7077.1 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: General Diffuse

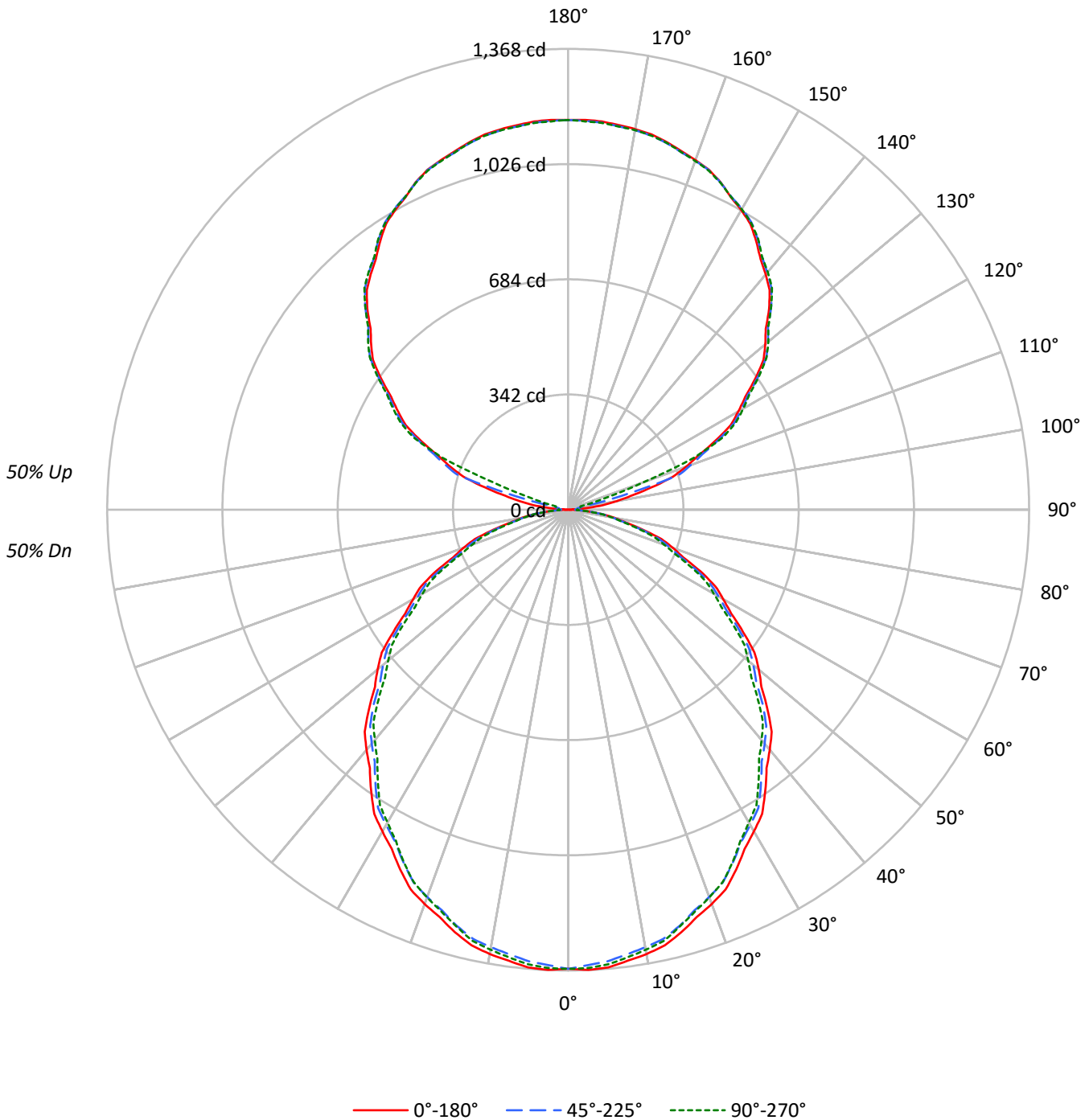
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332033-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332033-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-F

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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |
| 1 | 98 | 93 | 89 | 86 | 90 | 86 | 83 | 80 | 73 | 71 | 68 | 61 | 59 | 58 | 50 | 48 | 47 | 42 |
| 2 | 89 | 82 | 75 | 70 | 82 | 75 | 70 | 66 | 64 | 60 | 57 | 53 | 51 | 48 | 44 | 42 | 40 | 35 |
| 3 | 81 | 72 | 64 | 58 | 75 | 66 | 60 | 55 | 56 | 52 | 48 | 47 | 44 | 41 | 39 | 36 | 34 | 30 |
| 4 | 74 | 63 | 55 | 49 | 68 | 59 | 52 | 46 | 50 | 45 | 40 | 42 | 38 | 35 | 35 | 32 | 29 | 26 |
| 5 | 68 | 56 | 48 | 42 | 63 | 52 | 45 | 40 | 45 | 39 | 35 | 38 | 33 | 30 | 31 | 28 | 25 | 22 |
| 6 | 63 | 51 | 42 | 37 | 58 | 47 | 40 | 35 | 40 | 35 | 30 | 34 | 30 | 26 | 28 | 25 | 22 | 19 |
| 7 | 58 | 46 | 38 | 32 | 53 | 43 | 35 | 30 | 37 | 31 | 27 | 31 | 27 | 23 | 26 | 22 | 20 | 17 |
| 8 | 54 | 41 | 34 | 28 | 50 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 24 | 20 | 18 | 15 |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 29 | 24 | 31 | 25 | 21 | 26 | 22 | 19 | 22 | 18 | 16 | 14 |
| 10 | 47 | 35 | 27 | 23 | 43 | 32 | 26 | 21 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 14670 | 14670 | 14670 |
| 5° | 14738 | 14536 | 14638 |
| 10° | 14641 | 14410 | 14499 |
| 15° | 14469 | 14247 | 14273 |
| 20° | 14269 | 14014 | 14027 |
| 25° | 14001 | 13737 | 13709 |
| 30° | 13706 | 13430 | 13326 |
| 35° | 13397 | 13104 | 12935 |
| 40° | 13075 | 12745 | 12546 |
| 45° | 12718 | 12415 | 12113 |
| 50° | 12363 | 12010 | 11675 |
| 55° | 11898 | 11590 | 11237 |
| 60° | 11427 | 11102 | 10747 |
| 65° | 11013 | 10565 | 10236 |
| 70° | 10401 | 9958 | 9514 |
| 75° | 9503 | 9162 | 8771 |
| 80° | 8573 | 8207 | 8133 |
| 85° | 7534 | 7237 | 6941 |



TEST NUMBER: P332033-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 128.4 | 1.8 |
| 10°-20° | 362.5 | 5.1 |
| 20°-30° | 535.5 | 7.6 |
| 30°-40° | 625.5 | 8.8 |
| 40°-50° | 628.8 | 8.9 |
| 50°-60° | 552.4 | 7.8 |
| 60°-70° | 411.5 | 5.8 |
| 70°-80° | 234.5 | 3.3 |
| 80°-90° | 70.5 | 1.0 |
| 90°-100° | 42.1 | 0.6 |
| 100°-110° | 200.4 | 2.8 |
| 110°-120° | 481.5 | 6.8 |
| 120°-130° | 613.1 | 8.7 |
| 130°-140° | 655.1 | 9.3 |
| 140°-150° | 612.6 | 8.7 |
| 150°-160° | 494.1 | 7.0 |
| 160°-170° | 318.9 | 4.5 |
| 170°-180° | 109.9 | 1.6 |
| 0°-30° | 1026.3 | 14.5 |
| 0°-40° | 1651.8 | 23.3 |
| 0°-60° | 2833.0 | 40.0 |
| 0°-90° | 3549.5 | 50.2 |
| 90°-120° | 724.0 | 10.2 |
| 90°-150° | 2604.6 | 36.8 |
| 90°-180° | 3528.0 | 49.9 |
| 0°-180° | 7077.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1363 | 1363 | 1363 | 1363 | 1363 | |
| 5° | 1364 | 1358 | 1345 | 1356 | 1355 | 129 |
| 15° | 1298 | 1293 | 1278 | 1287 | 1281 | 366 |
| 25° | 1179 | 1171 | 1157 | 1158 | 1154 | 543 |
| 35° | 1020 | 1012 | 997 | 990 | 984 | 638 |
| 45° | 836 | 830 | 816 | 802 | 796 | 645 |
| 55° | 634 | 632 | 618 | 605 | 599 | 568 |
| 65° | 432 | 426 | 415 | 406 | 402 | 427 |
| 75° | 228 | 224 | 220 | 215 | 211 | 244 |
| 85° | 61 | 59 | 59 | 56 | 56 | 67 |
| 90° | 1 | 10 | 21 | 24 | 26 | 6 |
| 95° | 52 | 20 | 27 | 32 | 33 | 65 |
| 105° | 256 | 261 | 188 | 45 | 38 | 272 |
| 115° | 480 | 486 | 493 | 502 | 505 | 474 |
| 125° | 677 | 684 | 688 | 689 | 691 | 605 |
| 135° | 843 | 848 | 852 | 854 | 852 | 649 |
| 145° | 973 | 979 | 981 | 982 | 982 | 609 |
| 155° | 1072 | 1070 | 1071 | 1075 | 1070 | 494 |
| 165° | 1130 | 1128 | 1127 | 1133 | 1128 | 319 |
| 175° | 1157 | 1153 | 1153 | 1159 | 1152 | 110 |
| 180° | 1157 | 1157 | 1157 | 1157 | 1157 | |



TEST NUMBER: P332033-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1362.9 | 1362.9 | 1362.9 | 1362.9 | 1362.9 | 1362.9 | 1362.9 | 1362.9 | 1362.9 | 1362.9 | 1362.9 |
| 2.5° | 1367.5 | 1366.8 | 1365.9 | 1365.0 | 1364.3 | 1362.6 | 1360.4 | 1358.1 | 1355.8 | 1353.5 | 1355.6 |
| 5° | 1364.0 | 1362.7 | 1361.4 | 1360.1 | 1358.8 | 1356.8 | 1353.9 | 1351.0 | 1348.2 | 1345.3 | 1347.9 |
| 7.5° | 1350.7 | 1349.4 | 1348.1 | 1346.8 | 1345.5 | 1343.3 | 1340.4 | 1337.4 | 1334.5 | 1331.5 | 1333.8 |
| 10° | 1339.5 | 1338.2 | 1336.8 | 1335.5 | 1334.2 | 1331.9 | 1328.5 | 1325.1 | 1321.7 | 1318.4 | 1320.7 |
| 12.5° | 1324.4 | 1323.4 | 1322.2 | 1321.1 | 1320.1 | 1317.9 | 1314.7 | 1311.6 | 1308.4 | 1305.2 | 1306.9 |
| 15° | 1298.4 | 1297.4 | 1296.3 | 1295.3 | 1294.3 | 1292.0 | 1288.7 | 1285.3 | 1281.9 | 1278.5 | 1280.6 |
| 17.5° | 1268.2 | 1266.8 | 1265.5 | 1264.1 | 1262.7 | 1260.4 | 1257.0 | 1253.6 | 1250.3 | 1246.8 | 1248.3 |
| 20° | 1245.7 | 1244.1 | 1242.6 | 1241.0 | 1239.4 | 1236.9 | 1233.6 | 1230.2 | 1226.8 | 1223.4 | 1224.4 |
| 22.5° | 1220.4 | 1218.8 | 1217.3 | 1215.6 | 1214.1 | 1211.7 | 1208.2 | 1204.9 | 1201.5 | 1198.1 | 1198.9 |
| 25° | 1178.9 | 1177.3 | 1175.8 | 1174.2 | 1172.6 | 1170.2 | 1166.7 | 1163.4 | 1160.0 | 1156.6 | 1156.8 |
| 27.5° | 1134.6 | 1133.1 | 1131.5 | 1130.1 | 1128.5 | 1125.9 | 1122.3 | 1118.7 | 1115.0 | 1111.4 | 1111.6 |
| 30° | 1102.7 | 1101.4 | 1100.1 | 1098.8 | 1097.5 | 1095.0 | 1091.4 | 1087.7 | 1084.1 | 1080.5 | 1080.5 |
| 32.5° | 1070.8 | 1069.1 | 1067.4 | 1065.7 | 1063.9 | 1061.7 | 1058.9 | 1056.1 | 1053.3 | 1050.4 | 1049.0 |
| 35° | 1019.5 | 1018.0 | 1016.4 | 1014.9 | 1013.2 | 1010.8 | 1007.4 | 1004.0 | 1000.7 | 997.2 | 995.7 |
| 37.5° | 967.0 | 965.0 | 963.0 | 961.0 | 959.1 | 956.4 | 953.0 | 949.5 | 946.1 | 942.6 | 940.7 |
| 40° | 930.5 | 928.8 | 927.3 | 925.7 | 924.2 | 921.6 | 917.9 | 914.3 | 910.7 | 907.0 | 904.9 |
| 42.5° | 893.9 | 892.1 | 890.4 | 888.6 | 886.8 | 884.1 | 880.5 | 876.8 | 873.1 | 869.5 | 867.5 |
| 45° | 835.5 | 834.5 | 833.4 | 832.4 | 831.4 | 829.1 | 825.8 | 822.3 | 819.0 | 815.6 | 812.5 |
| 47.5° | 777.7 | 776.1 | 774.6 | 773.1 | 771.6 | 769.2 | 766.1 | 762.9 | 759.7 | 756.6 | 753.5 |
| 50° | 738.3 | 736.9 | 735.6 | 734.3 | 733.1 | 730.7 | 727.3 | 723.9 | 720.6 | 717.2 | 714.3 |
| 52.5° | 697.0 | 696.1 | 695.3 | 694.4 | 693.4 | 691.2 | 687.7 | 684.1 | 680.4 | 676.8 | 674.4 |
| 55° | 634.0 | 633.7 | 633.4 | 633.2 | 632.9 | 631.1 | 627.8 | 624.3 | 621.0 | 617.6 | 614.7 |
| 57.5° | 573.9 | 573.1 | 572.2 | 571.4 | 570.4 | 568.6 | 565.9 | 563.2 | 560.5 | 557.8 | 555.3 |
| 60° | 530.8 | 530.5 | 530.3 | 530.0 | 529.8 | 528.1 | 525.0 | 521.9 | 518.8 | 515.7 | 513.2 |
| 62.5° | 492.4 | 491.7 | 491.0 | 490.3 | 489.7 | 487.8 | 484.7 | 481.6 | 478.5 | 475.3 | 472.9 |
| 65° | 432.4 | 431.1 | 429.8 | 428.5 | 427.2 | 425.2 | 422.7 | 420.1 | 417.4 | 414.8 | 412.8 |
| 67.5° | 368.9 | 367.7 | 366.6 | 365.5 | 364.3 | 362.7 | 360.8 | 358.8 | 356.8 | 354.8 | 353.0 |
| 70° | 330.5 | 328.9 | 327.4 | 325.8 | 324.3 | 322.6 | 321.1 | 319.5 | 318.0 | 316.4 | 314.6 |
| 72.5° | 290.2 | 289.0 | 287.8 | 286.7 | 285.6 | 284.1 | 282.3 | 280.6 | 278.8 | 277.0 | 275.4 |
| 75° | 228.5 | 227.5 | 226.4 | 225.4 | 224.4 | 223.4 | 222.7 | 221.9 | 221.1 | 220.3 | 219.0 |
| 77.5° | 173.9 | 173.3 | 172.7 | 172.2 | 171.6 | 170.8 | 170.0 | 169.0 | 168.1 | 167.1 | 166.3 |
| 80° | 138.3 | 137.5 | 136.7 | 136.0 | 135.2 | 134.5 | 134.0 | 133.5 | 132.9 | 132.4 | 132.2 |
| 82.5° | 103.6 | 103.4 | 103.3 | 103.1 | 103.0 | 102.8 | 102.7 | 102.6 | 102.5 | 102.5 | 101.9 |
| 85° | 61.0 | 60.4 | 59.9 | 59.4 | 58.9 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.0 |
| 87.5° | 24.5 | 24.3 | 24.0 | 23.8 | 23.6 | 23.6 | 23.8 | 24.2 | 24.5 | 24.7 | 24.7 |
| 90° | 0.9 | 2.8 | 4.6 | 6.6 | 8.5 | 10.7 | 13.2 | 15.7 | 18.2 | 20.7 | 21.4 |
| 92.5° | 16.0 | 15.4 | 14.9 | 14.4 | 13.9 | 14.6 | 16.4 | 18.3 | 20.1 | 22.0 | 23.2 |
| 95° | 52.4 | 44.6 | 36.8 | 28.9 | 21.1 | 18.3 | 20.3 | 22.5 | 24.5 | 26.6 | 28.0 |
| 97.5° | 105.4 | 101.9 | 98.3 | 94.8 | 91.3 | 82.7 | 69.0 | 55.2 | 41.4 | 27.6 | 29.2 |
| 100° | 145.3 | 149.0 | 152.9 | 156.7 | 160.5 | 147.5 | 117.7 | 87.9 | 58.1 | 28.3 | 29.9 |
| 102.5° | 190.6 | 193.4 | 196.1 | 198.9 | 201.6 | 186.8 | 154.2 | 121.7 | 89.1 | 56.6 | 51.8 |
| 105° | 256.1 | 258.2 | 260.3 | 262.4 | 264.5 | 256.9 | 239.8 | 222.6 | 205.4 | 188.2 | 154.4 |
| 107.5° | 325.2 | 326.9 | 328.6 | 330.3 | 331.9 | 334.2 | 336.8 | 339.6 | 342.2 | 345.0 | 320.2 |
| 110° | 371.3 | 372.8 | 374.3 | 375.8 | 377.4 | 379.2 | 381.3 | 383.4 | 385.5 | 387.6 | 381.3 |



TEST NUMBER: P332033-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 415.3 | 416.6 | 418.0 | 419.4 | 420.8 | 422.5 | 424.6 | 426.7 | 428.8 | 430.9 | 431.0 |
| 115° | 480.4 | 481.6 | 482.7 | 483.9 | 485.0 | 486.5 | 488.1 | 489.8 | 491.5 | 493.3 | 495.2 |
| 117.5° | 543.5 | 544.9 | 546.3 | 547.8 | 549.1 | 550.3 | 551.1 | 552.1 | 552.9 | 553.8 | 555.3 |
| 120° | 582.6 | 584.4 | 586.1 | 587.8 | 589.5 | 590.7 | 591.2 | 591.9 | 592.5 | 593.0 | 594.5 |
| 122.5° | 622.6 | 624.0 | 625.3 | 626.8 | 628.2 | 629.3 | 630.0 | 630.8 | 631.5 | 632.1 | 633.3 |
| 125° | 677.2 | 678.7 | 680.3 | 681.8 | 683.3 | 684.5 | 685.3 | 686.0 | 686.7 | 687.5 | 687.9 |
| 127.5° | 730.1 | 731.7 | 733.2 | 734.7 | 736.2 | 737.4 | 738.4 | 739.3 | 740.2 | 741.1 | 741.8 |
| 130° | 763.2 | 764.7 | 766.2 | 767.8 | 769.3 | 770.4 | 771.2 | 772.0 | 772.7 | 773.4 | 774.2 |
| 132.5° | 794.8 | 796.3 | 797.8 | 799.4 | 800.9 | 801.9 | 802.5 | 803.1 | 803.8 | 804.4 | 805.2 |
| 135° | 843.1 | 844.2 | 845.3 | 846.5 | 847.7 | 848.6 | 849.4 | 850.2 | 850.9 | 851.7 | 852.2 |
| 137.5° | 884.3 | 885.8 | 887.3 | 888.7 | 890.1 | 891.0 | 891.5 | 891.9 | 892.3 | 892.8 | 893.6 |
| 140° | 911.8 | 913.0 | 914.1 | 915.2 | 916.4 | 917.3 | 917.8 | 918.4 | 919.0 | 919.5 | 920.3 |
| 142.5° | 937.3 | 938.4 | 939.5 | 940.7 | 941.8 | 942.7 | 943.3 | 943.8 | 944.4 | 945.0 | 945.6 |
| 145° | 972.8 | 974.2 | 975.5 | 976.9 | 978.2 | 979.0 | 979.5 | 979.8 | 980.2 | 980.6 | 980.9 |
| 147.5° | 1006.3 | 1007.3 | 1008.1 | 1009.0 | 1009.9 | 1010.5 | 1010.9 | 1011.2 | 1011.7 | 1012.0 | 1012.4 |
| 150° | 1027.0 | 1027.6 | 1028.1 | 1028.7 | 1029.2 | 1029.8 | 1030.1 | 1030.5 | 1030.9 | 1031.3 | 1031.7 |
| 152.5° | 1045.5 | 1045.9 | 1046.1 | 1046.4 | 1046.6 | 1046.9 | 1047.1 | 1047.3 | 1047.6 | 1047.8 | 1048.4 |
| 155° | 1071.7 | 1071.3 | 1070.9 | 1070.6 | 1070.1 | 1070.1 | 1070.2 | 1070.4 | 1070.7 | 1070.8 | 1071.8 |
| 157.5° | 1091.9 | 1091.9 | 1091.9 | 1091.8 | 1091.8 | 1091.7 | 1091.5 | 1091.3 | 1091.1 | 1090.9 | 1092.1 |
| 160° | 1104.3 | 1104.1 | 1104.0 | 1103.8 | 1103.5 | 1103.4 | 1103.2 | 1103.0 | 1102.8 | 1102.6 | 1103.8 |
| 162.5° | 1116.0 | 1115.5 | 1115.0 | 1114.6 | 1114.0 | 1113.7 | 1113.5 | 1113.3 | 1113.1 | 1112.9 | 1114.2 |
| 165° | 1130.1 | 1129.5 | 1128.9 | 1128.4 | 1127.8 | 1127.5 | 1127.2 | 1127.0 | 1126.9 | 1126.7 | 1128.2 |
| 167.5° | 1141.1 | 1140.4 | 1139.6 | 1138.8 | 1138.1 | 1137.6 | 1137.6 | 1137.6 | 1137.6 | 1137.6 | 1139.2 |
| 170° | 1147.3 | 1146.5 | 1145.8 | 1145.0 | 1144.3 | 1143.8 | 1143.8 | 1143.8 | 1143.8 | 1143.8 | 1145.4 |
| 172.5° | 1151.4 | 1150.6 | 1149.6 | 1148.7 | 1147.8 | 1147.4 | 1147.5 | 1147.7 | 1147.8 | 1148.0 | 1149.5 |
| 175° | 1156.8 | 1155.8 | 1154.9 | 1153.9 | 1153.0 | 1152.5 | 1152.7 | 1153.0 | 1153.1 | 1153.3 | 1154.7 |
| 177.5° | 1158.1 | 1157.4 | 1156.6 | 1155.8 | 1155.1 | 1154.8 | 1154.9 | 1155.1 | 1155.2 | 1155.4 | 1156.6 |
| 180° | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 |



TEST NUMBER: P332033-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1362.9 | 1362.9 | 1362.9 | 1362.9 | 1362.9 | 1362.9 | 1362.9 | 1362.9 |
| 2.5° | 1357.6 | 1359.8 | 1361.8 | 1362.8 | 1362.5 | 1362.4 | 1362.1 | 1361.9 |
| 5° | 1350.5 | 1353.1 | 1355.7 | 1356.8 | 1356.2 | 1355.7 | 1355.2 | 1354.7 |
| 7.5° | 1336.2 | 1338.5 | 1340.8 | 1341.9 | 1341.5 | 1341.3 | 1340.9 | 1340.6 |
| 10° | 1323.0 | 1325.3 | 1327.7 | 1328.6 | 1328.1 | 1327.6 | 1327.1 | 1326.5 |
| 12.5° | 1308.6 | 1310.4 | 1312.1 | 1312.8 | 1312.5 | 1312.2 | 1311.8 | 1311.6 |
| 15° | 1282.6 | 1284.7 | 1286.9 | 1287.1 | 1285.6 | 1283.9 | 1282.4 | 1280.8 |
| 17.5° | 1249.7 | 1251.2 | 1252.7 | 1253.1 | 1252.6 | 1252.0 | 1251.4 | 1250.9 |
| 20° | 1225.5 | 1226.6 | 1227.6 | 1227.7 | 1226.9 | 1226.2 | 1225.4 | 1224.6 |
| 22.5° | 1199.8 | 1200.6 | 1201.4 | 1201.4 | 1200.4 | 1199.4 | 1198.4 | 1197.4 |
| 25° | 1157.1 | 1157.4 | 1157.7 | 1157.4 | 1156.6 | 1155.8 | 1155.0 | 1154.3 |
| 27.5° | 1111.8 | 1112.0 | 1112.2 | 1111.8 | 1110.9 | 1109.8 | 1108.9 | 1107.8 |
| 30° | 1080.5 | 1080.5 | 1080.5 | 1079.5 | 1077.7 | 1075.9 | 1074.1 | 1072.2 |
| 32.5° | 1047.5 | 1046.1 | 1044.7 | 1043.4 | 1042.4 | 1041.4 | 1040.4 | 1039.4 |
| 35° | 994.1 | 992.6 | 991.0 | 989.5 | 988.3 | 987.0 | 985.7 | 984.4 |
| 37.5° | 938.9 | 937.0 | 935.1 | 933.8 | 933.0 | 932.1 | 931.3 | 930.5 |
| 40° | 902.8 | 900.8 | 898.7 | 897.1 | 896.0 | 895.0 | 894.0 | 892.9 |
| 42.5° | 865.3 | 863.2 | 861.2 | 859.6 | 858.6 | 857.6 | 856.5 | 855.5 |
| 45° | 809.3 | 806.2 | 803.1 | 800.9 | 799.6 | 798.3 | 797.0 | 795.7 |
| 47.5° | 750.4 | 747.3 | 744.2 | 742.2 | 741.0 | 739.9 | 738.7 | 737.5 |
| 50° | 711.4 | 708.6 | 705.7 | 703.5 | 702.0 | 700.3 | 698.8 | 697.2 |
| 52.5° | 671.9 | 669.5 | 667.1 | 665.0 | 663.5 | 661.9 | 660.4 | 658.8 |
| 55° | 611.8 | 609.0 | 606.1 | 604.0 | 602.7 | 601.4 | 600.1 | 598.8 |
| 57.5° | 552.7 | 550.2 | 547.6 | 545.5 | 544.1 | 542.5 | 541.1 | 539.5 |
| 60° | 510.9 | 508.6 | 506.3 | 504.5 | 503.1 | 501.8 | 500.5 | 499.2 |
| 62.5° | 470.6 | 468.3 | 465.9 | 464.3 | 463.4 | 462.5 | 461.7 | 460.8 |
| 65° | 410.7 | 408.5 | 406.5 | 405.1 | 404.3 | 403.6 | 402.7 | 401.9 |
| 67.5° | 351.2 | 349.4 | 347.6 | 346.1 | 345.0 | 343.9 | 342.8 | 341.7 |
| 70° | 312.7 | 310.9 | 309.1 | 307.5 | 306.3 | 305.0 | 303.7 | 302.3 |
| 72.5° | 273.8 | 272.2 | 270.5 | 269.4 | 268.7 | 268.0 | 267.4 | 266.7 |
| 75° | 217.7 | 216.4 | 215.1 | 214.0 | 213.3 | 212.5 | 211.7 | 210.9 |
| 77.5° | 165.3 | 164.5 | 163.6 | 163.2 | 163.2 | 163.2 | 163.2 | 163.2 |
| 80° | 131.9 | 131.6 | 131.4 | 131.2 | 131.2 | 131.2 | 131.2 | 131.2 |
| 82.5° | 101.5 | 101.0 | 100.6 | 100.2 | 100.0 | 99.8 | 99.6 | 99.4 |
| 85° | 57.5 | 57.0 | 56.5 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| 87.5° | 24.6 | 24.6 | 24.5 | 24.5 | 24.6 | 24.7 | 24.8 | 24.9 |
| 90° | 22.1 | 22.9 | 23.7 | 24.3 | 24.6 | 25.1 | 25.4 | 25.7 |
| 92.5° | 24.5 | 25.7 | 26.9 | 27.6 | 27.8 | 28.1 | 28.3 | 28.5 |
| 95° | 29.3 | 30.7 | 32.0 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 |
| 97.5° | 30.7 | 32.3 | 33.8 | 34.6 | 34.9 | 35.0 | 35.2 | 35.4 |
| 100° | 31.4 | 33.0 | 34.4 | 35.3 | 35.6 | 35.7 | 35.9 | 36.1 |
| 102.5° | 47.1 | 42.4 | 37.6 | 35.4 | 35.7 | 36.1 | 36.4 | 36.8 |
| 105° | 120.6 | 86.8 | 53.0 | 36.2 | 36.7 | 37.0 | 37.5 | 37.8 |
| 107.5° | 295.4 | 270.6 | 245.8 | 220.7 | 195.2 | 169.7 | 144.2 | 118.7 |
| 110° | 375.0 | 368.7 | 362.4 | 345.6 | 318.2 | 290.9 | 263.6 | 236.3 |



TEST NUMBER: P332033-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 431.1 | 431.3 | 431.4 | 428.5 | 422.8 | 417.0 | 411.2 | 405.4 |
| 115° | 497.1 | 499.0 | 500.9 | 502.3 | 503.0 | 503.8 | 504.5 | 505.3 |
| 117.5° | 556.9 | 558.4 | 559.9 | 560.8 | 560.9 | 561.0 | 561.2 | 561.4 |
| 120° | 596.1 | 597.5 | 599.1 | 599.9 | 599.9 | 599.9 | 599.9 | 599.9 |
| 122.5° | 634.3 | 635.4 | 636.5 | 637.1 | 637.2 | 637.4 | 637.5 | 637.7 |
| 125° | 688.3 | 688.6 | 689.1 | 689.4 | 689.8 | 690.2 | 690.6 | 691.0 |
| 127.5° | 742.4 | 743.0 | 743.6 | 743.7 | 743.3 | 743.0 | 742.5 | 742.2 |
| 130° | 775.0 | 775.8 | 776.5 | 776.7 | 776.4 | 775.9 | 775.6 | 775.2 |
| 132.5° | 805.9 | 806.7 | 807.4 | 807.5 | 807.0 | 806.5 | 806.0 | 805.5 |
| 135° | 852.8 | 853.4 | 853.9 | 853.9 | 853.4 | 852.8 | 852.2 | 851.7 |
| 137.5° | 894.6 | 895.5 | 896.4 | 896.6 | 896.3 | 896.0 | 895.5 | 895.2 |
| 140° | 921.1 | 921.9 | 922.6 | 922.8 | 922.4 | 922.0 | 921.7 | 921.3 |
| 142.5° | 946.2 | 946.8 | 947.4 | 947.4 | 946.9 | 946.4 | 945.9 | 945.4 |
| 145° | 981.4 | 981.7 | 982.1 | 982.3 | 982.3 | 982.3 | 982.3 | 982.3 |
| 147.5° | 1012.8 | 1013.1 | 1013.6 | 1013.3 | 1012.4 | 1011.6 | 1010.6 | 1009.8 |
| 150° | 1032.1 | 1032.4 | 1032.9 | 1032.7 | 1032.2 | 1031.6 | 1031.0 | 1030.4 |
| 152.5° | 1049.1 | 1049.8 | 1050.5 | 1050.4 | 1049.6 | 1048.7 | 1047.8 | 1046.9 |
| 155° | 1072.7 | 1073.7 | 1074.6 | 1074.5 | 1073.4 | 1072.3 | 1071.1 | 1070.0 |
| 157.5° | 1093.2 | 1094.3 | 1095.5 | 1095.4 | 1093.8 | 1092.4 | 1090.9 | 1089.4 |
| 160° | 1104.9 | 1106.0 | 1107.2 | 1107.1 | 1105.8 | 1104.4 | 1103.1 | 1101.7 |
| 162.5° | 1115.5 | 1116.8 | 1118.1 | 1118.2 | 1117.0 | 1115.8 | 1114.7 | 1113.4 |
| 165° | 1129.7 | 1131.3 | 1132.8 | 1132.9 | 1131.5 | 1130.2 | 1128.9 | 1127.6 |
| 167.5° | 1140.7 | 1142.3 | 1143.8 | 1143.8 | 1142.3 | 1140.7 | 1139.2 | 1137.6 |
| 170° | 1146.9 | 1148.5 | 1150.0 | 1150.0 | 1148.5 | 1146.9 | 1145.4 | 1143.8 |
| 172.5° | 1151.1 | 1152.5 | 1154.1 | 1154.0 | 1152.4 | 1150.6 | 1149.0 | 1147.3 |
| 175° | 1156.0 | 1157.4 | 1158.6 | 1158.6 | 1157.0 | 1155.5 | 1154.0 | 1152.4 |
| 177.5° | 1157.8 | 1159.1 | 1160.3 | 1160.1 | 1158.6 | 1157.1 | 1155.5 | 1154.0 |
| 180° | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 |

(END OF REPORT)