

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: P332043-935

Luminaire Tested: **S123DIP-S1000D1195U935-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332043-935
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: S123DIP-S1000D1195U935-4F0-1E-UDD-F1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1195 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7078.4 lumens
Efficiency: N/A
Efficacy: 108.2 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

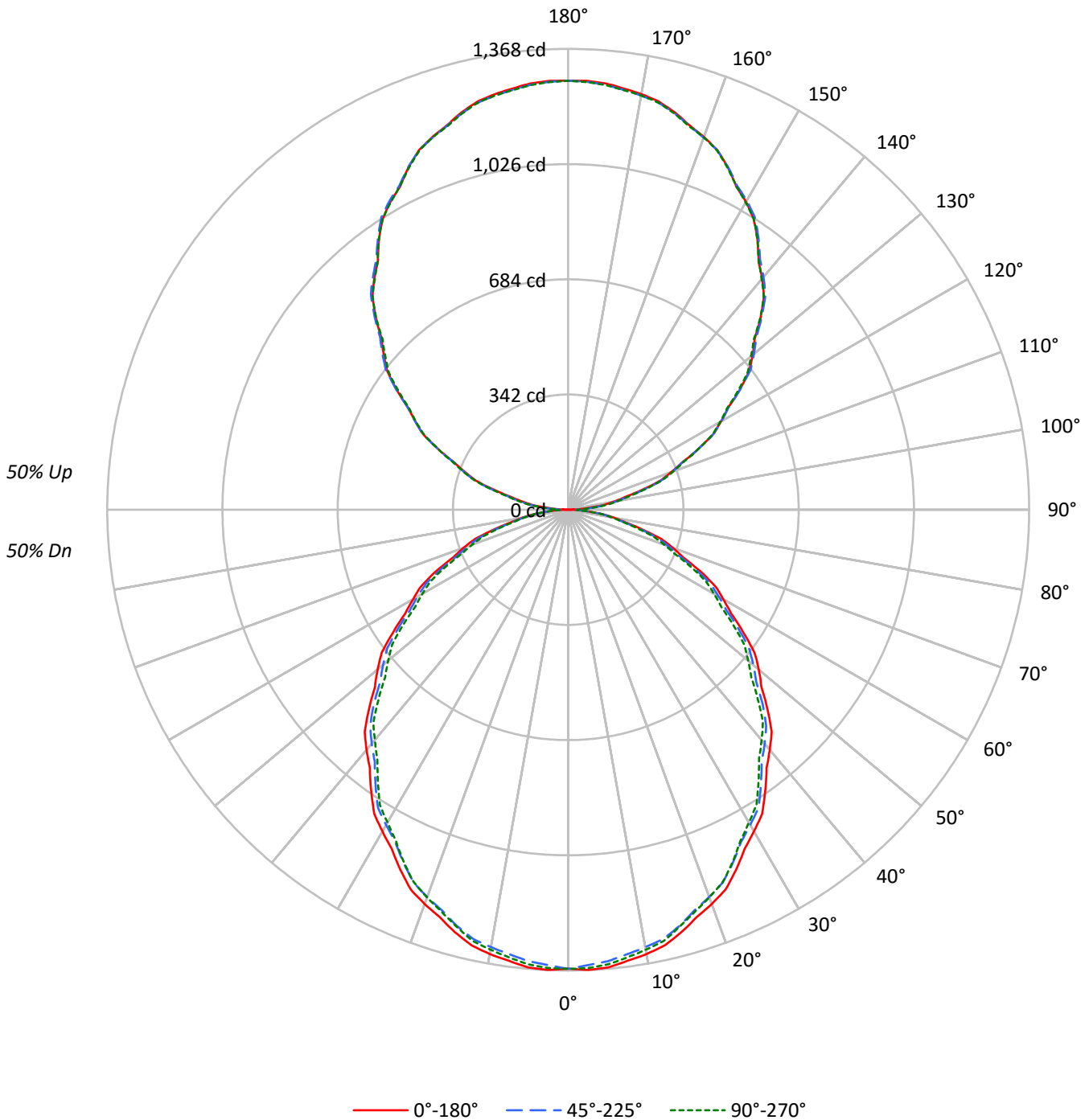
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332043-935

CATALOG NUMBER: S123DIP-S1000D1195U935-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332043-935

CATALOG NUMBER: S123DIP-S1000D1195U935-4F0-1E-UDD-F1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 |
| 1 | 98 | 93 | 89 | 86 | 90 | 86 | 83 | 80 | 73 | 71 | 68 | 61 | 59 | 58 | 50 | 48 | 47 |
| 2 | 89 | 82 | 75 | 70 | 82 | 75 | 70 | 65 | 64 | 60 | 57 | 53 | 51 | 48 | 44 | 42 | 40 |
| 3 | 81 | 72 | 64 | 58 | 75 | 66 | 60 | 55 | 56 | 52 | 47 | 47 | 44 | 41 | 39 | 36 | 34 |
| 4 | 74 | 63 | 55 | 49 | 68 | 59 | 52 | 46 | 50 | 45 | 40 | 42 | 38 | 35 | 35 | 32 | 29 |
| 5 | 68 | 56 | 48 | 42 | 63 | 52 | 45 | 40 | 45 | 39 | 35 | 38 | 33 | 30 | 31 | 28 | 25 |
| 6 | 63 | 51 | 42 | 37 | 58 | 47 | 40 | 35 | 40 | 35 | 30 | 34 | 30 | 26 | 28 | 25 | 22 |
| 7 | 58 | 46 | 38 | 32 | 53 | 43 | 35 | 30 | 37 | 31 | 27 | 31 | 27 | 23 | 26 | 22 | 20 |
| 8 | 54 | 41 | 34 | 28 | 50 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 24 | 20 | 18 |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 29 | 24 | 31 | 25 | 21 | 26 | 22 | 19 | 22 | 18 | 16 |
| 10 | 47 | 35 | 27 | 23 | 43 | 32 | 26 | 21 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 15 |

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: P332043-935

CATALOG NUMBER: S123DIP-S1000D1195U935-4F0-1E-UDD-F1

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° | 71.1 | 1.0 |
| 90°-100° | 83.0 | 1.2 |
| 100°-110° | 248.3 | 3.5 |
| 110°-120° | 422.3 | 6.0 |
| 120°-130° | 555.5 | 7.8 |
| 130°-140° | 624.4 | 8.8 |
| 140°-150° | 613.8 | 8.7 |
| 150°-160° | 516.7 | 7.3 |
| 160°-170° | 343.9 | 4.9 |
| 170°-180° | 120.4 | 1.7 |
| 0°-30° | 1026.3 | 14.5 |
| 0°-40° | 1651.8 | 23.3 |
| 0°-60° | 2833.0 | 40.0 |
| 0°-90° | 3550.1 | 50.2 |
| 90°-120° | 753.6 | 10.6 |
| 90°-150° | 2547.3 | 36.0 |
| 90°-180° | 3528.0 | 49.8 |
| 0°-180° | 7078.4 | 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 | 11 | 24 | 28 | 30 | 7 |
| 95° | 59 | 66 | 74 | 78 | 78 | 66 |
| 105° | 225 | 228 | 236 | 236 | 238 | 241 |
| 115° | 425 | 428 | 426 | 427 | 426 | 421 |
| 125° | 622 | 625 | 623 | 619 | 615 | 555 |
| 135° | 807 | 813 | 812 | 808 | 806 | 622 |
| 145° | 979 | 981 | 984 | 983 | 979 | 612 |
| 155° | 1122 | 1122 | 1122 | 1126 | 1119 | 516 |
| 165° | 1222 | 1219 | 1218 | 1224 | 1218 | 344 |
| 175° | 1270 | 1267 | 1266 | 1272 | 1266 | 121 |
| 180° | 1274 | 1274 | 1274 | 1274 | 1274 | |



TEST NUMBER: P332043-935

CATALOG NUMBER: S123DIP-S1000D1195U935-4F0-1E-UDD-F1

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 | 24.4 | 24.2 | 24.0 | 23.8 | 23.9 | 24.3 | 24.7 | 25.1 | 25.4 | 25.4 |
| 90° | 1.0 | 3.2 | 5.4 | 7.7 | 9.9 | 12.5 | 15.3 | 18.3 | 21.1 | 24.0 | 24.9 |
| 92.5° | 24.2 | 25.7 | 27.2 | 28.8 | 30.2 | 31.9 | 33.5 | 35.1 | 36.8 | 38.4 | 39.1 |
| 95° | 59.1 | 60.6 | 62.2 | 63.7 | 65.3 | 66.9 | 68.7 | 70.4 | 72.2 | 74.0 | 74.9 |
| 97.5° | 104.9 | 106.0 | 107.2 | 108.3 | 109.4 | 110.7 | 112.0 | 113.3 | 114.5 | 115.8 | 116.8 |
| 100° | 136.0 | 137.4 | 138.7 | 140.1 | 141.4 | 142.6 | 143.7 | 144.8 | 145.9 | 147.1 | 147.7 |
| 102.5° | 172.0 | 172.9 | 173.7 | 174.4 | 175.3 | 176.4 | 177.9 | 179.3 | 180.8 | 182.3 | 183.0 |
| 105° | 225.1 | 225.5 | 226.0 | 226.4 | 226.9 | 228.1 | 230.1 | 232.1 | 234.1 | 236.1 | 236.1 |
| 107.5° | 286.7 | 287.0 | 287.2 | 287.5 | 287.7 | 288.3 | 289.1 | 289.9 | 290.7 | 291.5 | 292.2 |
| 110° | 325.1 | 325.5 | 326.0 | 326.5 | 326.9 | 327.4 | 327.8 | 328.2 | 328.6 | 329.2 | 330.0 |



TEST NUMBER: P332043-935

CATALOG NUMBER: S123DIP-S1000D1195U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 365.2 | 365.4 | 365.7 | 365.9 | 366.2 | 366.4 | 366.4 | 366.5 | 366.6 | 366.7 | 367.8 |
| 115° | 425.2 | 425.9 | 426.5 | 427.1 | 427.8 | 427.9 | 427.5 | 427.1 | 426.6 | 426.2 | 426.4 |
| 117.5° | 485.6 | 486.0 | 486.5 | 486.9 | 487.3 | 487.3 | 486.7 | 486.1 | 485.6 | 485.0 | 484.9 |
| 120° | 523.2 | 524.5 | 525.9 | 527.2 | 528.6 | 528.7 | 527.5 | 526.4 | 525.3 | 524.2 | 524.0 |
| 122.5° | 562.4 | 563.4 | 564.4 | 565.3 | 566.4 | 566.5 | 565.9 | 565.3 | 564.8 | 564.2 | 563.6 |
| 125° | 622.2 | 622.9 | 623.5 | 624.2 | 624.9 | 625.0 | 624.6 | 624.1 | 623.7 | 623.3 | 622.3 |
| 127.5° | 677.4 | 678.9 | 680.3 | 681.7 | 683.1 | 683.6 | 683.1 | 682.6 | 682.2 | 681.7 | 680.4 |
| 130° | 714.3 | 716.0 | 717.8 | 719.6 | 721.3 | 721.9 | 721.3 | 720.6 | 720.0 | 719.3 | 718.4 |
| 132.5° | 751.1 | 752.9 | 754.7 | 756.4 | 758.2 | 758.9 | 758.4 | 757.9 | 757.3 | 756.9 | 755.8 |
| 135° | 807.3 | 808.7 | 809.9 | 811.3 | 812.6 | 813.2 | 813.0 | 812.8 | 812.5 | 812.3 | 811.4 |
| 137.5° | 859.4 | 860.4 | 861.5 | 862.6 | 863.8 | 864.6 | 865.2 | 865.7 | 866.3 | 866.9 | 866.0 |
| 140° | 895.4 | 896.5 | 897.6 | 898.7 | 899.7 | 900.4 | 900.7 | 900.9 | 901.1 | 901.4 | 901.1 |
| 142.5° | 928.2 | 929.3 | 930.4 | 931.5 | 932.6 | 933.3 | 933.8 | 934.2 | 934.5 | 935.0 | 934.7 |
| 145° | 979.4 | 979.8 | 980.2 | 980.7 | 981.1 | 981.7 | 982.4 | 983.0 | 983.7 | 984.4 | 984.1 |
| 147.5° | 1024.2 | 1025.0 | 1025.8 | 1026.6 | 1027.4 | 1028.1 | 1028.7 | 1029.3 | 1029.9 | 1030.6 | 1030.6 |
| 150° | 1055.4 | 1055.8 | 1056.3 | 1056.7 | 1057.2 | 1057.7 | 1058.1 | 1058.5 | 1058.9 | 1059.4 | 1059.4 |
| 152.5° | 1081.0 | 1081.7 | 1082.3 | 1082.9 | 1083.5 | 1083.9 | 1084.2 | 1084.5 | 1084.8 | 1085.0 | 1085.4 |
| 155° | 1121.5 | 1121.5 | 1121.5 | 1121.5 | 1121.5 | 1121.5 | 1121.8 | 1122.0 | 1122.2 | 1122.4 | 1123.3 |
| 157.5° | 1155.8 | 1155.5 | 1155.3 | 1155.0 | 1154.8 | 1154.7 | 1154.9 | 1155.1 | 1155.3 | 1155.5 | 1156.4 |
| 160° | 1177.4 | 1177.0 | 1176.6 | 1176.1 | 1175.7 | 1175.4 | 1175.4 | 1175.4 | 1175.4 | 1175.4 | 1176.6 |
| 162.5° | 1196.6 | 1196.0 | 1195.4 | 1194.8 | 1194.2 | 1193.9 | 1194.1 | 1194.3 | 1194.5 | 1194.6 | 1195.8 |
| 165° | 1221.5 | 1220.8 | 1220.1 | 1219.4 | 1218.8 | 1218.5 | 1218.5 | 1218.5 | 1218.5 | 1218.5 | 1219.8 |
| 167.5° | 1241.3 | 1240.4 | 1239.5 | 1238.6 | 1237.7 | 1237.3 | 1237.5 | 1237.7 | 1237.9 | 1238.0 | 1239.4 |
| 170° | 1252.5 | 1251.5 | 1250.7 | 1249.8 | 1248.9 | 1248.4 | 1248.4 | 1248.4 | 1248.4 | 1248.4 | 1250.0 |
| 172.5° | 1261.3 | 1260.4 | 1259.5 | 1258.6 | 1257.7 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1258.7 |
| 175° | 1270.5 | 1269.6 | 1268.7 | 1267.8 | 1267.0 | 1266.4 | 1266.4 | 1266.4 | 1266.4 | 1266.4 | 1267.8 |
| 177.5° | 1274.3 | 1273.6 | 1272.9 | 1272.1 | 1271.4 | 1271.1 | 1271.1 | 1271.1 | 1271.1 | 1271.1 | 1272.1 |
| 180° | 1273.5 | 1273.5 | 1273.5 | 1273.5 | 1273.5 | 1273.5 | 1273.5 | 1273.5 | 1273.5 | 1273.5 | 1273.5 |



TEST NUMBER: P332043-935

CATALOG NUMBER: S123DIP-S1000D1195U935-4F0-1E-UDD-F1

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° | 25.4 | 25.3 | 25.3 | 25.3 | 25.4 | 25.5 | 25.6 | 25.7 |
| 90° | 25.8 | 26.7 | 27.6 | 28.2 | 28.7 | 29.1 | 29.5 | 30.0 |
| 92.5° | 39.9 | 40.6 | 41.2 | 41.5 | 41.2 | 41.0 | 40.6 | 40.4 |
| 95° | 75.8 | 76.7 | 77.6 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 97.5° | 117.9 | 118.9 | 119.9 | 120.4 | 120.3 | 120.2 | 120.1 | 120.0 |
| 100° | 148.4 | 149.0 | 149.7 | 150.2 | 150.8 | 151.2 | 151.6 | 152.1 |
| 102.5° | 183.6 | 184.3 | 184.9 | 185.2 | 185.1 | 185.0 | 184.9 | 184.9 |
| 105° | 236.1 | 236.1 | 236.1 | 236.3 | 236.8 | 237.2 | 237.6 | 238.1 |
| 107.5° | 292.9 | 293.7 | 294.4 | 294.5 | 294.3 | 294.0 | 293.8 | 293.5 |
| 110° | 330.9 | 331.8 | 332.7 | 332.9 | 332.4 | 332.0 | 331.6 | 331.1 |



TEST NUMBER: P332043-935

CATALOG NUMBER: S123DIP-S1000D1195U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 368.9 | 370.0 | 371.0 | 371.5 | 371.4 | 371.3 | 371.3 | 371.2 |
| 115° | 426.6 | 426.8 | 427.1 | 427.1 | 426.8 | 426.6 | 426.4 | 426.2 |
| 117.5° | 484.9 | 484.8 | 484.8 | 484.5 | 483.9 | 483.2 | 482.6 | 482.0 |
| 120° | 523.7 | 523.6 | 523.3 | 523.0 | 522.5 | 522.1 | 521.7 | 521.2 |
| 122.5° | 563.1 | 562.5 | 561.9 | 561.3 | 560.7 | 560.1 | 559.4 | 558.8 |
| 125° | 621.5 | 620.6 | 619.7 | 618.8 | 617.9 | 617.0 | 616.1 | 615.3 |
| 127.5° | 679.2 | 678.0 | 676.7 | 675.5 | 674.5 | 673.5 | 672.4 | 671.5 |
| 130° | 717.5 | 716.6 | 715.7 | 714.5 | 712.9 | 711.4 | 709.8 | 708.3 |
| 132.5° | 754.8 | 753.7 | 752.6 | 751.5 | 750.3 | 749.1 | 747.9 | 746.7 |
| 135° | 810.5 | 809.6 | 808.7 | 808.0 | 807.6 | 807.2 | 806.8 | 806.3 |
| 137.5° | 865.0 | 864.1 | 863.2 | 862.3 | 861.4 | 860.7 | 859.8 | 858.9 |
| 140° | 900.9 | 900.7 | 900.4 | 899.6 | 898.0 | 896.5 | 894.9 | 893.4 |
| 142.5° | 934.5 | 934.3 | 934.1 | 933.3 | 932.1 | 930.9 | 929.8 | 928.6 |
| 145° | 984.0 | 983.7 | 983.5 | 982.9 | 982.1 | 981.1 | 980.2 | 979.4 |
| 147.5° | 1030.6 | 1030.6 | 1030.6 | 1029.9 | 1028.6 | 1027.3 | 1025.9 | 1024.6 |
| 150° | 1059.4 | 1059.4 | 1059.4 | 1058.8 | 1057.4 | 1056.1 | 1054.7 | 1053.4 |
| 152.5° | 1085.7 | 1086.1 | 1086.4 | 1086.1 | 1084.9 | 1083.7 | 1082.5 | 1081.4 |
| 155° | 1124.2 | 1125.1 | 1126.0 | 1125.7 | 1124.1 | 1122.6 | 1121.0 | 1119.4 |
| 157.5° | 1157.3 | 1158.2 | 1159.2 | 1159.0 | 1157.8 | 1156.5 | 1155.3 | 1154.0 |
| 160° | 1177.7 | 1178.8 | 1179.9 | 1180.0 | 1179.1 | 1178.2 | 1177.3 | 1176.5 |
| 162.5° | 1196.9 | 1198.0 | 1199.1 | 1198.9 | 1197.5 | 1196.1 | 1194.6 | 1193.3 |
| 165° | 1221.2 | 1222.4 | 1223.8 | 1223.7 | 1222.1 | 1220.6 | 1219.0 | 1217.5 |
| 167.5° | 1240.8 | 1242.2 | 1243.5 | 1243.5 | 1242.2 | 1240.8 | 1239.4 | 1238.0 |
| 170° | 1251.5 | 1253.2 | 1254.7 | 1254.7 | 1253.2 | 1251.5 | 1250.0 | 1248.4 |
| 172.5° | 1260.1 | 1261.5 | 1262.8 | 1262.7 | 1261.1 | 1259.6 | 1258.0 | 1256.5 |
| 175° | 1269.1 | 1270.5 | 1271.8 | 1271.7 | 1270.1 | 1268.6 | 1267.0 | 1265.5 |
| 177.5° | 1273.2 | 1274.3 | 1275.3 | 1275.2 | 1274.0 | 1272.7 | 1271.5 | 1270.3 |
| 180° | 1273.5 | 1273.5 | 1273.5 | 1273.5 | 1273.5 | 1273.5 | 1273.5 | 1273.5 |

(END OF REPORT)