

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: P332190

Luminaire Tested: **S123DIW-S1000D755U835-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332190
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: S123DIW-S1000D755U835-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 755 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7142.1 lumens
Efficiency: N/A
Efficacy: 133.2 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

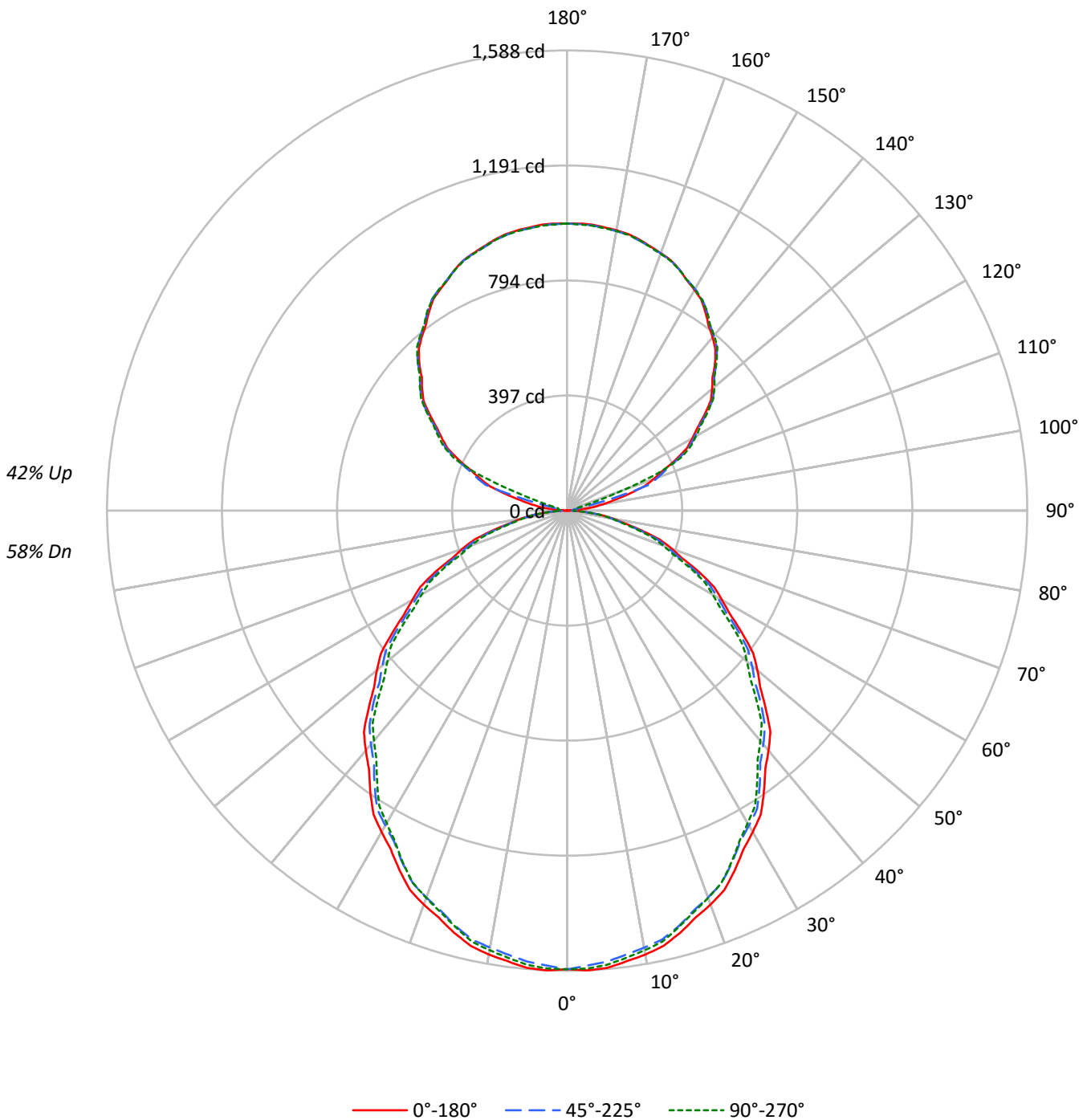
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332190

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332190

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-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 | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 75 | 75 | 75 | 63 | 63 | 63 | 58 |
| 1 | 99 | 95 | 91 | 87 | 92 | 89 | 85 | 82 | 77 | 74 | 72 | 66 | 64 | 62 | 56 | 54 | 53 | 48 |
| 2 | 91 | 83 | 77 | 71 | 84 | 77 | 72 | 67 | 67 | 63 | 59 | 58 | 55 | 52 | 49 | 47 | 45 | 41 |
| 3 | 83 | 73 | 65 | 59 | 77 | 68 | 62 | 56 | 59 | 54 | 50 | 51 | 47 | 44 | 43 | 41 | 38 | 34 |
| 4 | 76 | 65 | 56 | 50 | 70 | 60 | 53 | 48 | 53 | 47 | 43 | 45 | 41 | 38 | 39 | 36 | 33 | 29 |
| 5 | 69 | 58 | 49 | 43 | 64 | 54 | 47 | 41 | 47 | 41 | 37 | 41 | 36 | 33 | 35 | 31 | 29 | 26 |
| 6 | 64 | 52 | 43 | 37 | 59 | 48 | 41 | 36 | 43 | 37 | 32 | 37 | 32 | 29 | 32 | 28 | 25 | 22 |
| 7 | 59 | 47 | 39 | 33 | 55 | 44 | 37 | 31 | 39 | 33 | 28 | 34 | 29 | 25 | 29 | 25 | 22 | 20 |
| 8 | 55 | 42 | 35 | 29 | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 31 | 26 | 23 | 27 | 23 | 20 | 18 |
| 9 | 51 | 39 | 31 | 26 | 48 | 37 | 30 | 25 | 32 | 27 | 23 | 28 | 24 | 20 | 25 | 21 | 18 | 16 |
| 10 | 48 | 36 | 28 | 23 | 45 | 34 | 27 | 22 | 30 | 24 | 20 | 26 | 22 | 18 | 23 | 19 | 16 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 17038 | 17038 | 17038 |
| 5° | 17117 | 16883 | 17001 |
| 10° | 17004 | 16736 | 16840 |
| 15° | 16805 | 16547 | 16577 |
| 20° | 16573 | 16276 | 16292 |
| 25° | 16262 | 15954 | 15922 |
| 30° | 15918 | 15597 | 15478 |
| 35° | 15559 | 15219 | 15023 |
| 40° | 15185 | 14802 | 14573 |
| 45° | 14772 | 14420 | 14067 |
| 50° | 14359 | 13949 | 13561 |
| 55° | 13818 | 13461 | 13052 |
| 60° | 13272 | 12893 | 12482 |
| 65° | 12791 | 12271 | 11889 |
| 70° | 12079 | 11566 | 11050 |
| 75° | 11038 | 10643 | 10189 |
| 80° | 9955 | 9534 | 9447 |
| 85° | 8744 | 8410 | 8065 |



TEST NUMBER: P332190

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 149.1 | 2.1 |
| 10°-20° | 421.0 | 5.9 |
| 20°-30° | 621.9 | 8.7 |
| 30°-40° | 726.5 | 10.2 |
| 40°-50° | 730.4 | 10.2 |
| 50°-60° | 641.5 | 9.0 |
| 60°-70° | 478.0 | 6.7 |
| 70°-80° | 272.3 | 3.8 |
| 80°-90° | 80.9 | 1.1 |
| 90°-100° | 36.0 | 0.5 |
| 100°-110° | 171.6 | 2.4 |
| 110°-120° | 412.3 | 5.8 |
| 120°-130° | 525.0 | 7.4 |
| 130°-140° | 560.9 | 7.9 |
| 140°-150° | 524.5 | 7.3 |
| 150°-160° | 423.1 | 5.9 |
| 160°-170° | 273.1 | 3.8 |
| 170°-180° | 94.1 | 1.3 |
| 0°-30° | 1192.0 | 16.7 |
| 0°-40° | 1918.5 | 26.9 |
| 0°-60° | 3290.4 | 46.1 |
| 0°-90° | 4121.6 | 57.7 |
| 90°-120° | 619.9 | 8.7 |
| 90°-150° | 2230.2 | 31.2 |
| 90°-180° | 3020.0 | 42.3 |
| 0°-180° | 7142.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1583 | 1583 | 1583 | 1583 | 1583 | |
| 5° | 1584 | 1577 | 1562 | 1575 | 1573 | 150 |
| 15° | 1508 | 1502 | 1485 | 1495 | 1488 | 425 |
| 25° | 1369 | 1360 | 1343 | 1344 | 1341 | 630 |
| 35° | 1184 | 1175 | 1158 | 1150 | 1143 | 740 |
| 45° | 970 | 964 | 947 | 932 | 924 | 749 |
| 55° | 736 | 734 | 717 | 703 | 696 | 659 |
| 65° | 502 | 495 | 482 | 471 | 467 | 495 |
| 75° | 265 | 260 | 256 | 249 | 245 | 284 |
| 85° | 71 | 68 | 68 | 65 | 65 | 78 |
| 90° | 1 | 8 | 18 | 21 | 22 | 6 |
| 95° | 45 | 17 | 23 | 28 | 28 | 55 |
| 105° | 219 | 223 | 161 | 38 | 32 | 232 |
| 115° | 411 | 416 | 422 | 430 | 433 | 406 |
| 125° | 580 | 586 | 589 | 590 | 592 | 518 |
| 135° | 722 | 726 | 729 | 731 | 729 | 555 |
| 145° | 833 | 838 | 840 | 841 | 841 | 521 |
| 155° | 918 | 916 | 917 | 920 | 916 | 423 |
| 165° | 968 | 966 | 965 | 970 | 965 | 273 |
| 175° | 990 | 987 | 988 | 992 | 987 | 94 |
| 180° | 990 | 990 | 990 | 990 | 990 | |



TEST NUMBER: P332190

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1582.9 | 1582.9 | 1582.9 | 1582.9 | 1582.9 | 1582.9 | 1582.9 | 1582.9 | 1582.9 | 1582.9 | 1582.9 |
| 2.5° | 1588.3 | 1587.4 | 1586.4 | 1585.4 | 1584.5 | 1582.6 | 1580.0 | 1577.3 | 1574.7 | 1572.0 | 1574.4 |
| 5° | 1584.2 | 1582.7 | 1581.2 | 1579.7 | 1578.2 | 1575.8 | 1572.5 | 1569.1 | 1565.8 | 1562.5 | 1565.5 |
| 7.5° | 1568.7 | 1567.2 | 1565.7 | 1564.2 | 1562.7 | 1560.2 | 1556.8 | 1553.3 | 1549.9 | 1546.4 | 1549.1 |
| 10° | 1555.7 | 1554.2 | 1552.6 | 1551.1 | 1549.6 | 1546.9 | 1543.0 | 1539.0 | 1535.1 | 1531.2 | 1533.9 |
| 12.5° | 1538.2 | 1537.0 | 1535.7 | 1534.4 | 1533.2 | 1530.7 | 1527.0 | 1523.3 | 1519.6 | 1515.9 | 1517.9 |
| 15° | 1508.0 | 1506.8 | 1505.6 | 1504.4 | 1503.2 | 1500.6 | 1496.7 | 1492.8 | 1488.8 | 1484.9 | 1487.3 |
| 17.5° | 1472.9 | 1471.3 | 1469.8 | 1468.2 | 1466.6 | 1463.9 | 1459.9 | 1456.0 | 1452.1 | 1448.1 | 1449.8 |
| 20° | 1446.8 | 1445.0 | 1443.2 | 1441.3 | 1439.5 | 1436.6 | 1432.7 | 1428.8 | 1424.9 | 1420.9 | 1422.1 |
| 22.5° | 1417.4 | 1415.6 | 1413.8 | 1411.9 | 1410.1 | 1407.3 | 1403.3 | 1399.4 | 1395.5 | 1391.5 | 1392.5 |
| 25° | 1369.2 | 1367.4 | 1365.6 | 1363.8 | 1361.9 | 1359.1 | 1355.1 | 1351.2 | 1347.3 | 1343.3 | 1343.6 |
| 27.5° | 1317.8 | 1316.0 | 1314.2 | 1312.5 | 1310.7 | 1307.7 | 1303.5 | 1299.3 | 1295.0 | 1290.8 | 1291.0 |
| 30° | 1280.7 | 1279.2 | 1277.7 | 1276.2 | 1274.7 | 1271.8 | 1267.6 | 1263.3 | 1259.1 | 1254.9 | 1254.9 |
| 32.5° | 1243.7 | 1241.7 | 1239.7 | 1237.7 | 1235.7 | 1233.1 | 1229.8 | 1226.6 | 1223.3 | 1220.0 | 1218.3 |
| 35° | 1184.1 | 1182.3 | 1180.5 | 1178.7 | 1176.8 | 1174.0 | 1170.0 | 1166.1 | 1162.2 | 1158.2 | 1156.4 |
| 37.5° | 1123.1 | 1120.8 | 1118.5 | 1116.2 | 1113.9 | 1110.8 | 1106.8 | 1102.8 | 1098.8 | 1094.8 | 1092.6 |
| 40° | 1080.7 | 1078.8 | 1077.0 | 1075.2 | 1073.4 | 1070.4 | 1066.1 | 1061.9 | 1057.7 | 1053.4 | 1051.0 |
| 42.5° | 1038.2 | 1036.1 | 1034.1 | 1032.0 | 1030.0 | 1026.8 | 1022.6 | 1018.4 | 1014.1 | 1009.9 | 1007.5 |
| 45° | 970.4 | 969.2 | 968.0 | 966.8 | 965.6 | 963.0 | 959.1 | 955.1 | 951.2 | 947.3 | 943.7 |
| 47.5° | 903.2 | 901.4 | 899.7 | 897.9 | 896.2 | 893.4 | 889.8 | 886.1 | 882.4 | 878.7 | 875.1 |
| 50° | 857.5 | 855.9 | 854.4 | 852.9 | 851.4 | 848.7 | 844.7 | 840.8 | 836.9 | 833.0 | 829.6 |
| 52.5° | 809.5 | 808.5 | 807.5 | 806.5 | 805.4 | 802.8 | 798.7 | 794.5 | 790.3 | 786.1 | 783.3 |
| 55° | 736.3 | 736.0 | 735.7 | 735.4 | 735.1 | 733.0 | 729.1 | 725.1 | 721.2 | 717.3 | 713.9 |
| 57.5° | 666.6 | 665.6 | 664.6 | 663.6 | 662.5 | 660.4 | 657.3 | 654.1 | 651.0 | 647.9 | 644.9 |
| 60° | 616.5 | 616.2 | 615.9 | 615.6 | 615.3 | 613.4 | 609.7 | 606.1 | 602.5 | 598.9 | 596.1 |
| 62.5° | 571.9 | 571.1 | 570.3 | 569.5 | 568.8 | 566.6 | 562.9 | 559.3 | 555.7 | 552.0 | 549.3 |
| 65° | 502.2 | 500.7 | 499.2 | 497.7 | 496.2 | 493.9 | 490.9 | 487.9 | 484.8 | 481.8 | 479.4 |
| 67.5° | 428.5 | 427.1 | 425.8 | 424.5 | 423.1 | 421.3 | 419.0 | 416.7 | 414.4 | 412.1 | 410.0 |
| 70° | 383.8 | 382.0 | 380.2 | 378.4 | 376.6 | 374.7 | 372.9 | 371.1 | 369.3 | 367.5 | 365.4 |
| 72.5° | 337.0 | 335.7 | 334.3 | 333.0 | 331.7 | 330.0 | 327.9 | 325.9 | 323.8 | 321.7 | 319.9 |
| 75° | 265.4 | 264.2 | 263.0 | 261.8 | 260.6 | 259.5 | 258.6 | 257.7 | 256.8 | 255.9 | 254.4 |
| 77.5° | 202.0 | 201.3 | 200.6 | 200.0 | 199.3 | 198.4 | 197.4 | 196.3 | 195.2 | 194.1 | 193.1 |
| 80° | 160.6 | 159.7 | 158.8 | 157.9 | 157.0 | 156.2 | 155.6 | 155.0 | 154.4 | 153.8 | 153.5 |
| 82.5° | 120.3 | 120.1 | 120.0 | 119.8 | 119.6 | 119.4 | 119.3 | 119.2 | 119.1 | 119.0 | 118.4 |
| 85° | 70.8 | 70.2 | 69.6 | 69.0 | 68.4 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 67.4 |
| 87.5° | 28.5 | 28.1 | 27.7 | 27.3 | 26.9 | 26.8 | 26.9 | 27.1 | 27.3 | 27.5 | 27.4 |
| 90° | 0.7 | 2.4 | 4.0 | 5.6 | 7.3 | 9.2 | 11.3 | 13.4 | 15.5 | 17.7 | 18.3 |
| 92.5° | 13.7 | 13.2 | 12.8 | 12.3 | 11.9 | 12.4 | 14.0 | 15.6 | 17.2 | 18.8 | 19.9 |
| 95° | 44.9 | 38.2 | 31.5 | 24.8 | 18.1 | 15.6 | 17.4 | 19.2 | 21.0 | 22.8 | 24.0 |
| 97.5° | 90.2 | 87.2 | 84.2 | 81.2 | 78.2 | 70.8 | 59.0 | 47.2 | 35.5 | 23.7 | 25.0 |
| 100° | 124.4 | 127.6 | 130.9 | 134.2 | 137.4 | 126.3 | 100.8 | 75.3 | 49.8 | 24.3 | 25.6 |
| 102.5° | 163.2 | 165.6 | 167.9 | 170.3 | 172.6 | 159.9 | 132.0 | 104.1 | 76.3 | 48.4 | 44.4 |
| 105° | 219.3 | 221.1 | 222.9 | 224.7 | 226.5 | 220.0 | 205.3 | 190.6 | 175.9 | 161.2 | 132.2 |
| 107.5° | 278.4 | 279.9 | 281.3 | 282.8 | 284.2 | 286.1 | 288.4 | 290.7 | 293.1 | 295.4 | 274.1 |
| 110° | 317.9 | 319.2 | 320.5 | 321.8 | 323.1 | 324.7 | 326.5 | 328.3 | 330.1 | 331.9 | 326.5 |



TEST NUMBER: P332190

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 355.6 | 356.7 | 357.9 | 359.1 | 360.3 | 361.8 | 363.6 | 365.4 | 367.2 | 369.0 | 369.1 |
| 115° | 411.3 | 412.3 | 413.3 | 414.3 | 415.3 | 416.5 | 418.0 | 419.4 | 420.9 | 422.4 | 424.0 |
| 117.5° | 465.4 | 466.6 | 467.8 | 469.0 | 470.2 | 471.2 | 471.9 | 472.7 | 473.4 | 474.2 | 475.5 |
| 120° | 498.9 | 500.4 | 501.9 | 503.3 | 504.8 | 505.8 | 506.3 | 506.8 | 507.3 | 507.7 | 509.1 |
| 122.5° | 533.1 | 534.3 | 535.5 | 536.7 | 537.9 | 538.8 | 539.4 | 540.1 | 540.7 | 541.3 | 542.2 |
| 125° | 579.9 | 581.2 | 582.5 | 583.8 | 585.1 | 586.1 | 586.7 | 587.4 | 588.0 | 588.7 | 589.0 |
| 127.5° | 625.2 | 626.5 | 627.8 | 629.1 | 630.4 | 631.5 | 632.3 | 633.0 | 633.8 | 634.6 | 635.1 |
| 130° | 653.4 | 654.8 | 656.1 | 657.4 | 658.7 | 659.7 | 660.3 | 661.0 | 661.6 | 662.3 | 662.9 |
| 132.5° | 680.5 | 681.8 | 683.1 | 684.4 | 685.8 | 686.7 | 687.2 | 687.7 | 688.2 | 688.8 | 689.4 |
| 135° | 721.9 | 722.9 | 723.8 | 724.8 | 725.8 | 726.6 | 727.3 | 727.9 | 728.6 | 729.2 | 729.7 |
| 137.5° | 757.2 | 758.4 | 759.7 | 760.9 | 762.2 | 763.0 | 763.3 | 763.7 | 764.1 | 764.4 | 765.2 |
| 140° | 780.7 | 781.7 | 782.7 | 783.7 | 784.7 | 785.4 | 785.9 | 786.4 | 786.9 | 787.4 | 788.0 |
| 142.5° | 802.5 | 803.5 | 804.5 | 805.5 | 806.5 | 807.2 | 807.7 | 808.2 | 808.7 | 809.2 | 809.7 |
| 145° | 833.0 | 834.1 | 835.3 | 836.4 | 837.6 | 838.3 | 838.6 | 839.0 | 839.3 | 839.6 | 839.9 |
| 147.5° | 861.7 | 862.4 | 863.2 | 863.9 | 864.7 | 865.2 | 865.6 | 865.9 | 866.2 | 866.5 | 866.9 |
| 150° | 879.4 | 879.8 | 880.3 | 880.8 | 881.3 | 881.7 | 882.1 | 882.4 | 882.7 | 883.0 | 883.4 |
| 152.5° | 895.2 | 895.5 | 895.7 | 895.9 | 896.2 | 896.4 | 896.6 | 896.8 | 897.0 | 897.2 | 897.7 |
| 155° | 917.6 | 917.3 | 917.0 | 916.6 | 916.3 | 916.2 | 916.4 | 916.6 | 916.7 | 916.9 | 917.7 |
| 157.5° | 935.0 | 935.0 | 934.9 | 934.9 | 934.9 | 934.8 | 934.6 | 934.4 | 934.3 | 934.1 | 935.1 |
| 160° | 945.6 | 945.4 | 945.3 | 945.1 | 944.9 | 944.8 | 944.6 | 944.4 | 944.3 | 944.1 | 945.1 |
| 162.5° | 955.6 | 955.2 | 954.7 | 954.3 | 953.9 | 953.6 | 953.4 | 953.3 | 953.1 | 952.9 | 954.1 |
| 165° | 967.7 | 967.2 | 966.7 | 966.2 | 965.7 | 965.4 | 965.2 | 965.0 | 964.9 | 964.7 | 966.0 |
| 167.5° | 977.1 | 976.4 | 975.8 | 975.1 | 974.5 | 974.1 | 974.1 | 974.1 | 974.1 | 974.1 | 975.4 |
| 170° | 982.4 | 981.7 | 981.1 | 980.4 | 979.8 | 979.4 | 979.4 | 979.4 | 979.4 | 979.4 | 980.7 |
| 172.5° | 985.9 | 985.1 | 984.3 | 983.6 | 982.8 | 982.4 | 982.6 | 982.7 | 982.8 | 983.0 | 984.3 |
| 175° | 990.5 | 989.6 | 988.8 | 988.0 | 987.2 | 986.9 | 987.0 | 987.2 | 987.4 | 987.5 | 988.7 |
| 177.5° | 991.6 | 991.0 | 990.3 | 989.7 | 989.0 | 988.8 | 988.9 | 989.0 | 989.2 | 989.3 | 990.3 |
| 180° | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 |



TEST NUMBER: P332190

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1582.9 | 1582.9 | 1582.9 | 1582.9 | 1582.9 | 1582.9 | 1582.9 | 1582.9 |
| 2.5° | 1576.8 | 1579.3 | 1581.7 | 1582.8 | 1582.5 | 1582.3 | 1582.0 | 1581.8 |
| 5° | 1568.5 | 1571.5 | 1574.6 | 1575.8 | 1575.2 | 1574.6 | 1574.0 | 1573.4 |
| 7.5° | 1551.9 | 1554.6 | 1557.3 | 1558.5 | 1558.1 | 1557.8 | 1557.4 | 1557.0 |
| 10° | 1536.6 | 1539.3 | 1542.1 | 1543.1 | 1542.5 | 1541.9 | 1541.3 | 1540.7 |
| 12.5° | 1519.9 | 1521.9 | 1523.9 | 1524.7 | 1524.4 | 1524.0 | 1523.6 | 1523.3 |
| 15° | 1489.7 | 1492.1 | 1494.6 | 1494.9 | 1493.1 | 1491.2 | 1489.4 | 1487.6 |
| 17.5° | 1451.5 | 1453.2 | 1454.9 | 1455.4 | 1454.8 | 1454.1 | 1453.4 | 1452.8 |
| 20° | 1423.3 | 1424.6 | 1425.8 | 1425.9 | 1425.0 | 1424.1 | 1423.2 | 1422.3 |
| 22.5° | 1393.5 | 1394.4 | 1395.4 | 1395.3 | 1394.2 | 1393.0 | 1391.9 | 1390.7 |
| 25° | 1343.9 | 1344.3 | 1344.6 | 1344.3 | 1343.3 | 1342.4 | 1341.5 | 1340.6 |
| 27.5° | 1291.3 | 1291.5 | 1291.8 | 1291.3 | 1290.2 | 1289.0 | 1287.9 | 1286.7 |
| 30° | 1254.9 | 1254.9 | 1254.9 | 1253.8 | 1251.7 | 1249.6 | 1247.5 | 1245.3 |
| 32.5° | 1216.6 | 1215.0 | 1213.3 | 1211.8 | 1210.7 | 1209.5 | 1208.4 | 1207.2 |
| 35° | 1154.6 | 1152.8 | 1151.0 | 1149.3 | 1147.8 | 1146.3 | 1144.8 | 1143.3 |
| 37.5° | 1090.5 | 1088.3 | 1086.1 | 1084.5 | 1083.6 | 1082.6 | 1081.6 | 1080.7 |
| 40° | 1048.6 | 1046.2 | 1043.8 | 1041.9 | 1040.7 | 1039.5 | 1038.3 | 1037.1 |
| 42.5° | 1005.0 | 1002.6 | 1000.2 | 998.4 | 997.2 | 996.0 | 994.8 | 993.6 |
| 45° | 940.0 | 936.4 | 932.8 | 930.2 | 928.7 | 927.2 | 925.7 | 924.1 |
| 47.5° | 871.5 | 868.0 | 864.4 | 862.0 | 860.6 | 859.3 | 858.0 | 856.6 |
| 50° | 826.3 | 823.0 | 819.6 | 817.1 | 815.3 | 813.4 | 811.6 | 809.8 |
| 52.5° | 780.4 | 777.6 | 774.8 | 772.4 | 770.6 | 768.8 | 767.0 | 765.2 |
| 55° | 710.6 | 707.3 | 704.0 | 701.5 | 700.0 | 698.5 | 697.0 | 695.5 |
| 57.5° | 641.9 | 639.0 | 636.0 | 633.6 | 631.9 | 630.1 | 628.4 | 626.6 |
| 60° | 593.4 | 590.7 | 588.0 | 585.9 | 584.3 | 582.8 | 581.3 | 579.8 |
| 62.5° | 546.6 | 543.9 | 541.1 | 539.3 | 538.2 | 537.2 | 536.2 | 535.2 |
| 65° | 477.0 | 474.5 | 472.1 | 470.5 | 469.6 | 468.7 | 467.7 | 466.8 |
| 67.5° | 407.9 | 405.8 | 403.7 | 402.0 | 400.7 | 399.4 | 398.1 | 396.9 |
| 70° | 363.2 | 361.1 | 359.0 | 357.2 | 355.7 | 354.2 | 352.7 | 351.1 |
| 72.5° | 318.0 | 316.1 | 314.2 | 312.9 | 312.1 | 311.3 | 310.6 | 309.8 |
| 75° | 252.9 | 251.3 | 249.8 | 248.6 | 247.7 | 246.8 | 245.9 | 245.0 |
| 77.5° | 192.0 | 191.0 | 190.0 | 189.5 | 189.5 | 189.5 | 189.5 | 189.5 |
| 80° | 153.2 | 152.9 | 152.6 | 152.4 | 152.4 | 152.4 | 152.4 | 152.4 |
| 82.5° | 117.9 | 117.3 | 116.8 | 116.4 | 116.1 | 115.9 | 115.7 | 115.4 |
| 85° | 66.8 | 66.2 | 65.6 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 87.5° | 27.3 | 27.2 | 27.0 | 27.0 | 27.1 | 27.1 | 27.2 | 27.3 |
| 90° | 19.0 | 19.6 | 20.3 | 20.8 | 21.1 | 21.4 | 21.7 | 22.1 |
| 92.5° | 20.9 | 22.0 | 23.0 | 23.6 | 23.8 | 24.0 | 24.2 | 24.4 |
| 95° | 25.1 | 26.2 | 27.4 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 97.5° | 26.3 | 27.6 | 28.9 | 29.7 | 29.8 | 30.0 | 30.2 | 30.3 |
| 100° | 26.9 | 28.2 | 29.5 | 30.3 | 30.4 | 30.6 | 30.7 | 30.9 |
| 102.5° | 40.3 | 36.3 | 32.2 | 30.3 | 30.6 | 30.9 | 31.2 | 31.5 |
| 105° | 103.3 | 74.3 | 45.4 | 31.1 | 31.4 | 31.7 | 32.1 | 32.4 |
| 107.5° | 252.9 | 231.7 | 210.5 | 189.0 | 167.1 | 145.3 | 123.5 | 101.7 |
| 110° | 321.1 | 315.7 | 310.3 | 295.9 | 272.5 | 249.1 | 225.7 | 202.4 |



TEST NUMBER: P332190

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 369.2 | 369.3 | 369.4 | 366.9 | 362.0 | 357.1 | 352.1 | 347.2 |
| 115° | 425.7 | 427.3 | 428.9 | 430.1 | 430.7 | 431.4 | 432.0 | 432.7 |
| 117.5° | 476.8 | 478.1 | 479.4 | 480.1 | 480.3 | 480.4 | 480.5 | 480.7 |
| 120° | 510.4 | 511.7 | 513.0 | 513.6 | 513.6 | 513.6 | 513.6 | 513.6 |
| 122.5° | 543.1 | 544.0 | 545.0 | 545.5 | 545.6 | 545.7 | 545.9 | 546.0 |
| 125° | 589.3 | 589.7 | 590.0 | 590.3 | 590.7 | 591.0 | 591.3 | 591.6 |
| 127.5° | 635.7 | 636.2 | 636.7 | 636.8 | 636.5 | 636.1 | 635.8 | 635.5 |
| 130° | 663.6 | 664.2 | 664.9 | 665.1 | 664.7 | 664.4 | 664.1 | 663.7 |
| 132.5° | 690.1 | 690.7 | 691.4 | 691.5 | 691.0 | 690.6 | 690.1 | 689.6 |
| 135° | 730.2 | 730.7 | 731.2 | 731.2 | 730.7 | 730.2 | 729.7 | 729.2 |
| 137.5° | 766.0 | 766.8 | 767.6 | 767.8 | 767.5 | 767.1 | 766.8 | 766.5 |
| 140° | 788.7 | 789.3 | 790.0 | 790.2 | 789.8 | 789.5 | 789.2 | 788.8 |
| 142.5° | 810.2 | 810.7 | 811.2 | 811.3 | 810.8 | 810.4 | 809.9 | 809.4 |
| 145° | 840.3 | 840.6 | 840.9 | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 |
| 147.5° | 867.2 | 867.5 | 867.9 | 867.6 | 866.9 | 866.1 | 865.4 | 864.6 |
| 150° | 883.7 | 884.0 | 884.3 | 884.3 | 883.8 | 883.3 | 882.8 | 882.3 |
| 152.5° | 898.3 | 898.9 | 899.5 | 899.4 | 898.7 | 897.9 | 897.2 | 896.4 |
| 155° | 918.5 | 919.3 | 920.2 | 920.1 | 919.1 | 918.1 | 917.1 | 916.1 |
| 157.5° | 936.1 | 937.0 | 938.0 | 937.9 | 936.6 | 935.3 | 934.1 | 932.8 |
| 160° | 946.1 | 947.1 | 948.0 | 948.0 | 946.8 | 945.7 | 944.5 | 943.4 |
| 162.5° | 955.2 | 956.3 | 957.4 | 957.4 | 956.4 | 955.4 | 954.4 | 953.4 |
| 165° | 967.3 | 968.6 | 969.9 | 970.0 | 968.9 | 967.7 | 966.6 | 965.4 |
| 167.5° | 976.7 | 978.1 | 979.4 | 979.4 | 978.1 | 976.7 | 975.4 | 974.1 |
| 170° | 982.0 | 983.4 | 984.7 | 984.7 | 983.4 | 982.0 | 980.7 | 979.4 |
| 172.5° | 985.6 | 986.9 | 988.2 | 988.1 | 986.7 | 985.3 | 983.8 | 982.4 |
| 175° | 989.8 | 991.0 | 992.1 | 992.0 | 990.7 | 989.4 | 988.1 | 986.8 |
| 177.5° | 991.4 | 992.4 | 993.5 | 993.3 | 992.0 | 990.7 | 989.4 | 988.1 |
| 180° | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 |

(END OF REPORT)