

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: P332456-840

Luminaire Tested: **S123RDIW-S1000D755U840-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332456-840
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: S123RDIW-S1000D755U840-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 755 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6881.6 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.06 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: General Diffuse

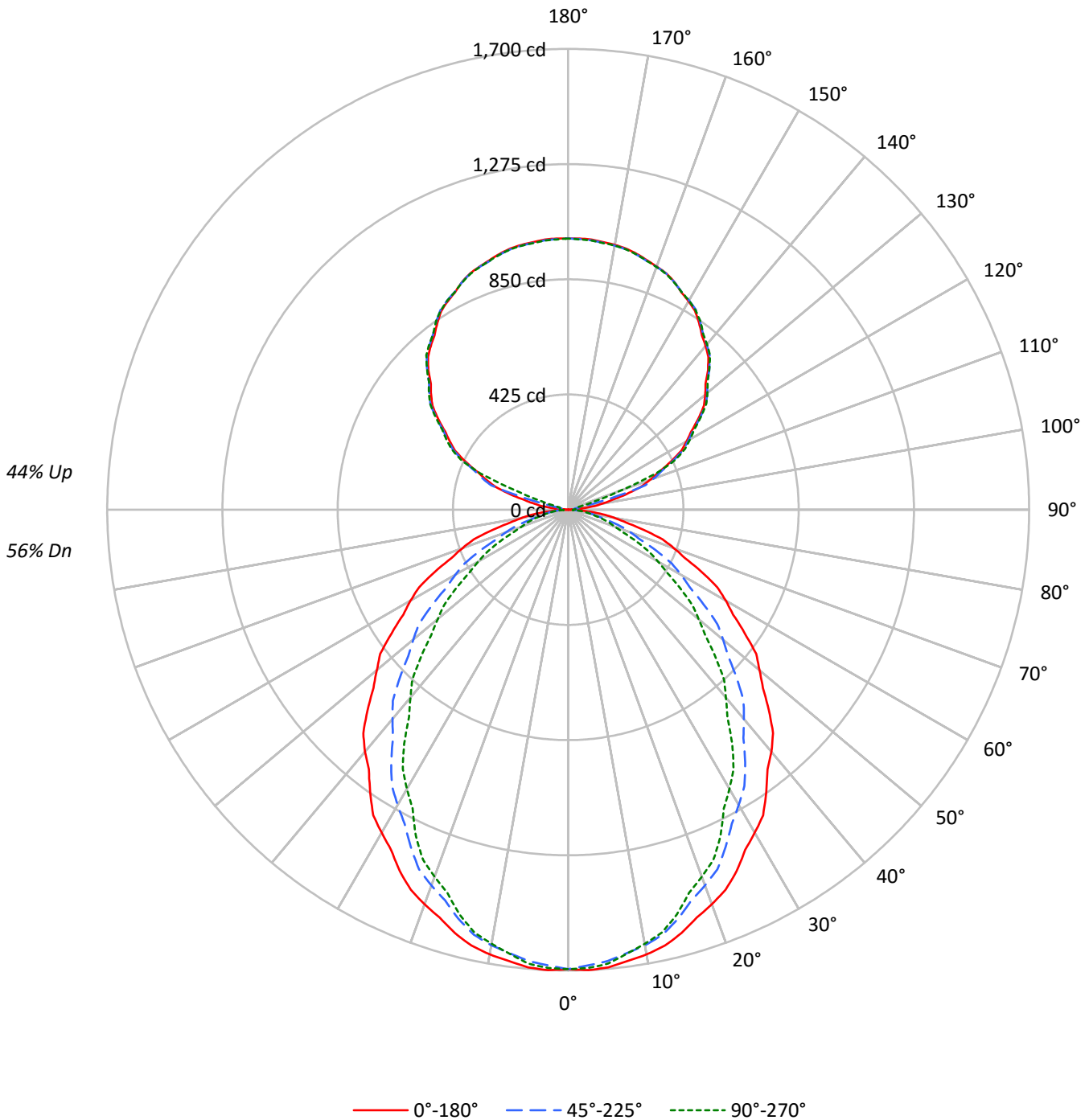
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332456-840

CATALOG NUMBER: S123RDIW-S1000D755U840-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332456-840

CATALOG NUMBER: S123RDIW-S1000D755U840-4F0-1E-UDD-F

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|--|----|----|----|--|----|----|----|--|----|----|----|----|
| RF | 20 | | | | | 20 | | | | | | 20 | | | | | | | | 20 | | |
| RC | 80 | | | | | 70 | | | | | | 30 | | | | | | | | 10 | 0 | |
| RW | 70 | 50 | 30 | 10 | | 70 | 50 | 30 | 10 | | 50 | 30 | 10 | | 50 | 30 | 10 | | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 108 | 108 | 108 | 108 | | 101 | 101 | 101 | 101 | | 86 | 86 | 86 | | 73 | 73 | 73 | | 61 | 61 | 61 | 56 |
| 1 | 99 | 95 | 91 | 88 | | 92 | 89 | 85 | 82 | | 76 | 74 | 72 | | 65 | 63 | 62 | | 55 | 54 | 53 | 48 |
| 2 | 91 | 84 | 78 | 72 | | 84 | 78 | 73 | 68 | | 67 | 63 | 60 | | 58 | 55 | 52 | | 49 | 47 | 45 | 40 |
| 3 | 83 | 74 | 67 | 61 | | 77 | 69 | 63 | 57 | | 60 | 55 | 51 | | 51 | 48 | 45 | | 43 | 41 | 39 | 35 |
| 4 | 76 | 66 | 58 | 52 | | 71 | 61 | 54 | 49 | | 53 | 48 | 44 | | 46 | 42 | 38 | | 39 | 36 | 33 | 30 |
| 5 | 70 | 59 | 51 | 45 | | 65 | 55 | 48 | 42 | | 48 | 42 | 38 | | 41 | 37 | 34 | | 35 | 32 | 29 | 26 |
| 6 | 65 | 53 | 45 | 39 | | 60 | 49 | 42 | 37 | | 43 | 38 | 33 | | 38 | 33 | 30 | | 32 | 29 | 26 | 23 |
| 7 | 60 | 48 | 40 | 34 | | 56 | 45 | 38 | 33 | | 39 | 34 | 29 | | 34 | 30 | 26 | | 29 | 26 | 23 | 21 |
| 8 | 56 | 43 | 36 | 30 | | 52 | 41 | 34 | 29 | | 36 | 30 | 26 | | 31 | 27 | 24 | | 27 | 24 | 21 | 19 |
| 9 | 52 | 40 | 32 | 27 | | 48 | 37 | 31 | 26 | | 33 | 28 | 24 | | 29 | 24 | 21 | | 25 | 22 | 19 | 17 |
| 10 | 49 | 37 | 29 | 25 | | 45 | 34 | 28 | 23 | | 31 | 25 | 21 | | 27 | 22 | 19 | | 23 | 20 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 18243 | 18243 | 18243 |
| 5° | 18312 | 18058 | 18163 |
| 10° | 18208 | 17832 | 17772 |
| 15° | 18013 | 17415 | 17231 |
| 20° | 17743 | 16893 | 16501 |
| 25° | 17467 | 16308 | 15785 |
| 30° | 17100 | 15632 | 14777 |
| 35° | 16724 | 14954 | 13853 |
| 40° | 16378 | 14155 | 12708 |
| 45° | 15923 | 13370 | 11676 |
| 50° | 15421 | 12476 | 10518 |
| 55° | 14910 | 11453 | 9439 |
| 60° | 14441 | 10357 | 8254 |
| 65° | 13827 | 9172 | 7070 |
| 70° | 13064 | 7701 | 5712 |
| 75° | 11948 | 6059 | 5373 |
| 80° | 10649 | 5362 | 4940 |
| 85° | 8991 | 4755 | 4409 |



TEST NUMBER: P332456-840

CATALOG NUMBER: S123RDIW-S1000D755U840-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 159.1 | 2.3 |
| 10°-20° | 442.8 | 6.4 |
| 20°-30° | 637.6 | 9.3 |
| 30°-40° | 718.2 | 10.4 |
| 40°-50° | 687.1 | 10.0 |
| 50°-60° | 562.6 | 8.2 |
| 60°-70° | 379.6 | 5.5 |
| 70°-80° | 191.0 | 2.8 |
| 80°-90° | 53.3 | 0.8 |
| 90°-100° | 36.4 | 0.5 |
| 100°-110° | 173.3 | 2.5 |
| 110°-120° | 416.3 | 6.0 |
| 120°-130° | 530.1 | 7.7 |
| 130°-140° | 566.4 | 8.2 |
| 140°-150° | 529.7 | 7.7 |
| 150°-160° | 427.3 | 6.2 |
| 160°-170° | 275.7 | 4.0 |
| 170°-180° | 95.0 | 1.4 |
| 0°-30° | 1239.5 | 18.0 |
| 0°-40° | 1957.7 | 28.4 |
| 0°-60° | 3207.4 | 46.6 |
| 0°-90° | 3831.3 | 55.7 |
| 90°-120° | 626.0 | 9.1 |
| 90°-150° | 2252.2 | 32.7 |
| 90°-180° | 3050.0 | 44.3 |
| 0°-180° | 6881.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1695 | 1695 | 1695 | 1695 | 1695 | |
| 5° | 1695 | 1687 | 1671 | 1683 | 1681 | 161 |
| 15° | 1616 | 1600 | 1563 | 1556 | 1546 | 455 |
| 25° | 1471 | 1435 | 1373 | 1345 | 1329 | 676 |
| 35° | 1273 | 1221 | 1138 | 1081 | 1054 | 796 |
| 45° | 1046 | 982 | 878 | 802 | 767 | 807 |
| 55° | 794 | 724 | 610 | 533 | 503 | 712 |
| 65° | 543 | 466 | 360 | 296 | 278 | 537 |
| 75° | 287 | 221 | 146 | 133 | 129 | 306 |
| 85° | 73 | 44 | 38 | 36 | 36 | 82 |
| 90° | 1 | 8 | 18 | 21 | 22 | 6 |
| 95° | 45 | 17 | 23 | 28 | 28 | 56 |
| 105° | 222 | 225 | 163 | 39 | 33 | 235 |
| 115° | 415 | 420 | 427 | 434 | 437 | 410 |
| 125° | 586 | 591 | 594 | 596 | 597 | 523 |
| 135° | 729 | 733 | 736 | 738 | 736 | 561 |
| 145° | 841 | 846 | 848 | 849 | 849 | 526 |
| 155° | 927 | 925 | 926 | 929 | 925 | 427 |
| 165° | 977 | 975 | 974 | 980 | 975 | 276 |
| 175° | 1000 | 997 | 997 | 1002 | 996 | 95 |
| 180° | 1000 | 1000 | 1000 | 1000 | 1000 | |



TEST NUMBER: P332456-840

CATALOG NUMBER: S123RDIW-S1000D755U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1694.8 | 1694.8 | 1694.8 | 1694.8 | 1694.8 | 1694.8 | 1694.8 | 1694.8 | 1694.8 | 1694.8 | 1694.8 |
| 2.5° | 1700.2 | 1699.2 | 1698.3 | 1697.3 | 1696.3 | 1694.4 | 1691.4 | 1688.5 | 1685.6 | 1682.6 | 1685.3 |
| 5° | 1694.8 | 1693.1 | 1691.6 | 1690.1 | 1688.6 | 1686.0 | 1682.3 | 1678.7 | 1675.1 | 1671.3 | 1674.1 |
| 7.5° | 1679.0 | 1677.4 | 1675.8 | 1674.1 | 1672.4 | 1669.2 | 1664.5 | 1659.7 | 1655.0 | 1650.2 | 1651.7 |
| 10° | 1665.9 | 1663.8 | 1661.5 | 1659.4 | 1657.3 | 1653.5 | 1648.0 | 1642.4 | 1637.0 | 1631.5 | 1631.8 |
| 12.5° | 1647.2 | 1644.8 | 1642.4 | 1640.0 | 1637.6 | 1633.1 | 1626.4 | 1619.6 | 1613.0 | 1606.2 | 1606.0 |
| 15° | 1616.4 | 1613.1 | 1609.6 | 1606.3 | 1603.0 | 1597.0 | 1588.4 | 1579.8 | 1571.3 | 1562.8 | 1561.3 |
| 17.5° | 1577.6 | 1573.7 | 1569.8 | 1565.9 | 1562.0 | 1554.6 | 1543.7 | 1532.9 | 1522.0 | 1511.1 | 1507.8 |
| 20° | 1549.0 | 1544.2 | 1539.2 | 1534.4 | 1529.4 | 1521.3 | 1509.6 | 1498.0 | 1486.4 | 1474.8 | 1470.9 |
| 22.5° | 1517.1 | 1511.6 | 1505.9 | 1500.3 | 1494.7 | 1485.7 | 1473.3 | 1461.0 | 1448.7 | 1436.3 | 1431.4 |
| 25° | 1470.7 | 1463.1 | 1455.4 | 1447.7 | 1440.2 | 1429.3 | 1415.2 | 1401.2 | 1387.2 | 1373.1 | 1366.7 |
| 27.5° | 1414.3 | 1405.9 | 1397.5 | 1389.1 | 1380.6 | 1368.6 | 1352.9 | 1337.3 | 1321.6 | 1306.1 | 1297.1 |
| 30° | 1375.8 | 1366.7 | 1357.6 | 1348.4 | 1339.2 | 1326.1 | 1309.0 | 1291.8 | 1274.8 | 1257.7 | 1247.3 |
| 32.5° | 1337.4 | 1327.0 | 1316.6 | 1306.2 | 1295.9 | 1281.6 | 1263.5 | 1245.5 | 1227.3 | 1209.2 | 1197.9 |
| 35° | 1272.7 | 1261.7 | 1250.7 | 1239.8 | 1228.8 | 1213.8 | 1194.9 | 1175.9 | 1157.0 | 1138.0 | 1124.9 |
| 37.5° | 1207.3 | 1195.1 | 1182.9 | 1170.6 | 1158.4 | 1142.3 | 1122.1 | 1101.8 | 1081.6 | 1061.4 | 1046.4 |
| 40° | 1165.6 | 1152.2 | 1138.6 | 1125.2 | 1111.8 | 1094.2 | 1072.6 | 1050.9 | 1029.2 | 1007.4 | 991.6 |
| 42.5° | 1118.2 | 1104.8 | 1091.4 | 1077.9 | 1064.5 | 1046.6 | 1024.2 | 1001.8 | 979.4 | 956.9 | 939.6 |
| 45° | 1046.0 | 1032.2 | 1018.4 | 1004.7 | 991.0 | 972.4 | 948.9 | 925.3 | 901.8 | 878.3 | 860.9 |
| 47.5° | 973.7 | 958.6 | 943.5 | 928.4 | 913.3 | 894.0 | 870.5 | 847.0 | 823.4 | 799.9 | 781.0 |
| 50° | 920.9 | 906.6 | 892.2 | 877.9 | 863.4 | 843.9 | 819.2 | 794.5 | 769.7 | 745.0 | 726.0 |
| 52.5° | 873.6 | 858.1 | 842.4 | 826.9 | 811.3 | 791.2 | 766.8 | 742.3 | 717.8 | 693.3 | 673.6 |
| 55° | 794.5 | 779.5 | 764.5 | 749.5 | 734.6 | 714.1 | 688.1 | 662.2 | 636.2 | 610.3 | 592.6 |
| 57.5° | 721.3 | 705.0 | 688.7 | 672.4 | 656.1 | 634.9 | 608.7 | 582.7 | 556.6 | 530.6 | 513.8 |
| 60° | 670.8 | 654.0 | 637.1 | 620.4 | 603.5 | 582.5 | 557.1 | 531.8 | 506.4 | 481.1 | 464.5 |
| 62.5° | 620.2 | 603.4 | 586.5 | 569.8 | 553.0 | 531.9 | 506.5 | 481.2 | 455.9 | 430.5 | 415.0 |
| 65° | 542.9 | 526.1 | 509.3 | 492.5 | 475.7 | 455.4 | 431.6 | 407.8 | 384.0 | 360.1 | 345.2 |
| 67.5° | 465.6 | 448.7 | 431.7 | 414.8 | 397.8 | 377.8 | 355.0 | 332.1 | 309.3 | 286.4 | 275.3 |
| 70° | 415.1 | 398.6 | 382.1 | 365.6 | 349.1 | 330.2 | 308.8 | 287.4 | 266.0 | 244.7 | 234.0 |
| 72.5° | 364.5 | 348.3 | 332.0 | 315.8 | 299.5 | 281.7 | 262.3 | 242.9 | 223.4 | 204.0 | 195.2 |
| 75° | 287.3 | 272.6 | 257.9 | 243.3 | 228.6 | 212.9 | 196.1 | 179.3 | 162.5 | 145.7 | 142.6 |
| 77.5° | 216.9 | 203.6 | 190.4 | 177.1 | 163.9 | 151.8 | 141.0 | 130.2 | 119.4 | 108.6 | 106.9 |
| 80° | 171.8 | 159.3 | 146.7 | 134.2 | 121.7 | 112.3 | 105.8 | 99.4 | 93.0 | 86.5 | 85.6 |
| 82.5° | 129.0 | 118.2 | 107.3 | 96.4 | 85.6 | 78.8 | 75.7 | 72.8 | 69.8 | 66.8 | 65.8 |
| 85° | 72.8 | 66.1 | 59.4 | 52.7 | 45.9 | 42.1 | 41.2 | 40.3 | 39.4 | 38.5 | 37.9 |
| 87.5° | 26.6 | 24.1 | 21.8 | 19.5 | 17.1 | 16.2 | 16.6 | 17.0 | 17.5 | 17.9 | 17.8 |
| 90° | 0.7 | 2.4 | 4.0 | 5.7 | 7.4 | 9.3 | 11.4 | 13.5 | 15.7 | 17.9 | 18.5 |
| 92.5° | 13.8 | 13.3 | 12.9 | 12.4 | 12.0 | 12.5 | 14.1 | 15.8 | 17.4 | 19.0 | 20.1 |
| 95° | 45.3 | 38.6 | 31.8 | 25.0 | 18.3 | 15.8 | 17.6 | 19.4 | 21.2 | 23.0 | 24.2 |
| 97.5° | 91.1 | 88.1 | 85.0 | 82.0 | 79.0 | 71.5 | 59.6 | 47.7 | 35.9 | 23.9 | 25.2 |
| 100° | 125.6 | 128.9 | 132.2 | 135.5 | 138.8 | 127.5 | 101.8 | 76.0 | 50.3 | 24.5 | 25.9 |
| 102.5° | 164.8 | 167.2 | 169.6 | 172.0 | 174.3 | 161.5 | 133.3 | 105.1 | 77.1 | 48.9 | 44.8 |
| 105° | 221.5 | 223.3 | 225.1 | 226.9 | 228.7 | 222.2 | 207.3 | 192.5 | 177.6 | 162.8 | 133.5 |
| 107.5° | 281.1 | 282.7 | 284.1 | 285.6 | 287.0 | 288.9 | 291.2 | 293.6 | 296.0 | 298.3 | 276.8 |
| 110° | 321.0 | 322.3 | 323.7 | 325.0 | 326.3 | 327.9 | 329.7 | 331.5 | 333.4 | 335.2 | 329.7 |



TEST NUMBER: P332456-840

CATALOG NUMBER: S123RDIW-S1000D755U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 359.1 | 360.2 | 361.4 | 362.6 | 363.9 | 365.4 | 367.2 | 369.0 | 370.8 | 372.6 | 372.7 |
| 115° | 415.4 | 416.4 | 417.4 | 418.4 | 419.4 | 420.6 | 422.1 | 423.5 | 425.1 | 426.6 | 428.2 |
| 117.5° | 470.0 | 471.2 | 472.4 | 473.6 | 474.8 | 475.8 | 476.6 | 477.4 | 478.1 | 478.9 | 480.2 |
| 120° | 503.8 | 505.3 | 506.9 | 508.3 | 509.8 | 510.8 | 511.3 | 511.8 | 512.3 | 512.7 | 514.1 |
| 122.5° | 538.4 | 539.6 | 540.8 | 542.0 | 543.2 | 544.1 | 544.7 | 545.4 | 546.0 | 546.6 | 547.5 |
| 125° | 585.6 | 586.9 | 588.2 | 589.6 | 590.9 | 591.9 | 592.5 | 593.2 | 593.8 | 594.5 | 594.8 |
| 127.5° | 631.4 | 632.7 | 634.0 | 635.3 | 636.6 | 637.7 | 638.5 | 639.2 | 640.1 | 640.9 | 641.4 |
| 130° | 659.8 | 661.3 | 662.6 | 663.9 | 665.2 | 666.2 | 666.8 | 667.5 | 668.1 | 668.8 | 669.4 |
| 132.5° | 687.2 | 688.5 | 689.8 | 691.2 | 692.6 | 693.5 | 694.0 | 694.5 | 695.0 | 695.6 | 696.2 |
| 135° | 729.0 | 730.0 | 730.9 | 732.0 | 733.0 | 733.8 | 734.5 | 735.1 | 735.8 | 736.4 | 736.9 |
| 137.5° | 764.7 | 765.9 | 767.2 | 768.4 | 769.7 | 770.5 | 770.8 | 771.2 | 771.6 | 771.9 | 772.7 |
| 140° | 788.4 | 789.4 | 790.4 | 791.4 | 792.4 | 793.1 | 793.7 | 794.2 | 794.7 | 795.2 | 795.8 |
| 142.5° | 810.4 | 811.4 | 812.4 | 813.4 | 814.5 | 815.2 | 815.7 | 816.2 | 816.7 | 817.2 | 817.7 |
| 145° | 841.2 | 842.3 | 843.5 | 844.7 | 845.9 | 846.6 | 846.9 | 847.3 | 847.6 | 847.9 | 848.2 |
| 147.5° | 870.2 | 870.9 | 871.7 | 872.4 | 873.2 | 873.7 | 874.1 | 874.4 | 874.7 | 875.0 | 875.5 |
| 150° | 888.1 | 888.5 | 889.0 | 889.5 | 890.0 | 890.4 | 890.8 | 891.1 | 891.4 | 891.7 | 892.1 |
| 152.5° | 904.0 | 904.3 | 904.5 | 904.7 | 905.0 | 905.2 | 905.4 | 905.6 | 905.8 | 906.1 | 906.6 |
| 155° | 926.7 | 926.3 | 926.0 | 925.6 | 925.3 | 925.2 | 925.4 | 925.6 | 925.7 | 925.9 | 926.8 |
| 157.5° | 944.2 | 944.2 | 944.1 | 944.1 | 944.1 | 944.0 | 943.8 | 943.6 | 943.5 | 943.3 | 944.3 |
| 160° | 954.9 | 954.7 | 954.6 | 954.4 | 954.2 | 954.1 | 953.9 | 953.7 | 953.6 | 953.4 | 954.4 |
| 162.5° | 965.0 | 964.6 | 964.1 | 963.7 | 963.3 | 963.0 | 962.8 | 962.7 | 962.5 | 962.3 | 963.5 |
| 165° | 977.2 | 976.7 | 976.2 | 975.7 | 975.2 | 974.9 | 974.7 | 974.5 | 974.4 | 974.2 | 975.5 |
| 167.5° | 986.7 | 986.0 | 985.4 | 984.7 | 984.1 | 983.7 | 983.7 | 983.7 | 983.7 | 983.7 | 985.0 |
| 170° | 992.1 | 991.4 | 990.8 | 990.1 | 989.5 | 989.1 | 989.1 | 989.1 | 989.1 | 989.1 | 990.4 |
| 172.5° | 995.6 | 994.8 | 994.0 | 993.3 | 992.5 | 992.1 | 992.3 | 992.4 | 992.5 | 992.7 | 994.0 |
| 175° | 1000.3 | 999.4 | 998.6 | 997.7 | 996.9 | 996.6 | 996.7 | 996.9 | 997.1 | 997.2 | 998.5 |
| 177.5° | 1001.4 | 1000.8 | 1000.1 | 999.5 | 998.8 | 998.6 | 998.7 | 998.8 | 999.0 | 999.1 | 1000.1 |
| 180° | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 |



TEST NUMBER: P332456-840

CATALOG NUMBER: S123RDIW-S1000D755U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1694.8 | 1694.8 | 1694.8 | 1694.8 | 1694.8 | 1694.8 | 1694.8 | 1694.8 |
| 2.5° | 1688.0 | 1690.7 | 1693.3 | 1694.5 | 1693.9 | 1693.5 | 1693.0 | 1692.5 |
| 5° | 1676.9 | 1679.6 | 1682.3 | 1683.4 | 1682.8 | 1682.2 | 1681.6 | 1681.0 |
| 7.5° | 1653.3 | 1654.8 | 1656.3 | 1656.6 | 1655.5 | 1654.5 | 1653.5 | 1652.3 |
| 10° | 1632.1 | 1632.4 | 1632.7 | 1632.1 | 1630.5 | 1629.0 | 1627.5 | 1626.0 |
| 12.5° | 1605.8 | 1605.7 | 1605.5 | 1604.5 | 1602.8 | 1600.9 | 1599.2 | 1597.4 |
| 15° | 1559.7 | 1558.2 | 1556.7 | 1554.8 | 1552.7 | 1550.5 | 1548.4 | 1546.3 |
| 17.5° | 1504.6 | 1501.4 | 1498.1 | 1494.9 | 1491.8 | 1488.5 | 1485.4 | 1482.2 |
| 20° | 1466.8 | 1462.9 | 1459.0 | 1455.1 | 1451.5 | 1447.7 | 1444.1 | 1440.5 |
| 22.5° | 1426.4 | 1421.5 | 1416.5 | 1412.3 | 1409.0 | 1405.5 | 1402.1 | 1398.7 |
| 25° | 1360.3 | 1353.8 | 1347.5 | 1342.5 | 1339.2 | 1335.8 | 1332.5 | 1329.1 |
| 27.5° | 1288.2 | 1279.3 | 1270.3 | 1263.3 | 1258.2 | 1253.0 | 1247.9 | 1242.8 |
| 30° | 1236.9 | 1226.5 | 1216.1 | 1208.5 | 1203.6 | 1198.7 | 1193.8 | 1188.9 |
| 32.5° | 1186.5 | 1175.2 | 1163.8 | 1155.6 | 1150.4 | 1145.3 | 1140.1 | 1135.0 |
| 35° | 1111.8 | 1098.6 | 1085.5 | 1076.2 | 1070.8 | 1065.2 | 1059.8 | 1054.2 |
| 37.5° | 1031.6 | 1016.6 | 1001.8 | 990.9 | 984.1 | 977.3 | 970.6 | 963.8 |
| 40° | 975.7 | 959.9 | 943.9 | 932.5 | 925.4 | 918.5 | 911.4 | 904.4 |
| 42.5° | 922.2 | 904.8 | 887.5 | 875.7 | 869.4 | 863.1 | 856.8 | 850.5 |
| 45° | 843.4 | 826.1 | 808.6 | 796.3 | 788.9 | 781.6 | 774.3 | 767.0 |
| 47.5° | 762.0 | 743.2 | 724.2 | 711.4 | 704.9 | 698.4 | 691.9 | 685.3 |
| 50° | 707.1 | 688.1 | 669.2 | 656.2 | 649.2 | 642.2 | 635.2 | 628.1 |
| 52.5° | 654.0 | 634.3 | 614.6 | 601.6 | 595.3 | 589.1 | 582.8 | 576.4 |
| 55° | 574.8 | 557.1 | 539.4 | 527.5 | 521.4 | 515.2 | 509.2 | 503.0 |
| 57.5° | 497.1 | 480.3 | 463.6 | 452.6 | 447.5 | 442.2 | 437.1 | 431.8 |
| 60° | 448.1 | 431.6 | 415.1 | 404.2 | 399.1 | 393.8 | 388.7 | 383.4 |
| 62.5° | 399.4 | 384.0 | 368.4 | 357.9 | 352.5 | 347.1 | 341.6 | 336.2 |
| 65° | 330.2 | 315.2 | 300.2 | 291.0 | 287.7 | 284.4 | 281.0 | 277.6 |
| 67.5° | 264.1 | 252.9 | 241.8 | 234.3 | 230.8 | 227.1 | 223.5 | 219.9 |
| 70° | 223.3 | 212.6 | 201.9 | 194.9 | 191.5 | 188.1 | 184.8 | 181.5 |
| 72.5° | 186.5 | 177.7 | 169.1 | 164.0 | 162.6 | 161.2 | 159.8 | 158.3 |
| 75° | 139.6 | 136.5 | 133.5 | 131.7 | 131.1 | 130.4 | 129.8 | 129.2 |
| 77.5° | 105.3 | 103.6 | 102.0 | 100.9 | 100.3 | 99.7 | 99.1 | 98.5 |
| 80° | 84.7 | 83.8 | 82.9 | 82.2 | 81.6 | 81.0 | 80.3 | 79.7 |
| 82.5° | 64.9 | 64.0 | 63.1 | 62.6 | 62.5 | 62.4 | 62.2 | 62.1 |
| 85° | 37.3 | 36.7 | 36.1 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 87.5° | 17.7 | 17.6 | 17.4 | 17.3 | 17.1 | 16.9 | 16.8 | 16.6 |
| 90° | 19.2 | 19.8 | 20.5 | 21.0 | 21.3 | 21.6 | 21.9 | 22.3 |
| 92.5° | 21.1 | 22.2 | 23.2 | 23.8 | 24.0 | 24.2 | 24.4 | 24.6 |
| 95° | 25.3 | 26.5 | 27.7 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 |
| 97.5° | 26.6 | 27.9 | 29.2 | 30.0 | 30.1 | 30.3 | 30.5 | 30.6 |
| 100° | 27.2 | 28.5 | 29.8 | 30.6 | 30.7 | 30.9 | 31.0 | 31.2 |
| 102.5° | 40.7 | 36.7 | 32.5 | 30.6 | 30.9 | 31.2 | 31.5 | 31.8 |
| 105° | 104.3 | 75.0 | 45.8 | 31.4 | 31.7 | 32.0 | 32.4 | 32.7 |
| 107.5° | 255.4 | 234.0 | 212.6 | 190.9 | 168.7 | 146.7 | 124.7 | 102.7 |
| 110° | 324.3 | 318.8 | 313.4 | 298.8 | 275.2 | 251.6 | 227.9 | 204.4 |



TEST NUMBER: P332456-840

CATALOG NUMBER: S123RDIW-S1000D755U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 372.8 | 372.9 | 373.0 | 370.5 | 365.6 | 360.6 | 355.6 | 350.6 |
| 115° | 429.9 | 431.5 | 433.1 | 434.3 | 434.9 | 435.7 | 436.3 | 437.0 |
| 117.5° | 481.5 | 482.8 | 484.1 | 484.8 | 485.0 | 485.1 | 485.2 | 485.4 |
| 120° | 515.4 | 516.7 | 518.1 | 518.7 | 518.7 | 518.7 | 518.7 | 518.7 |
| 122.5° | 548.5 | 549.4 | 550.4 | 550.9 | 551.0 | 551.1 | 551.3 | 551.4 |
| 125° | 595.1 | 595.5 | 595.8 | 596.1 | 596.5 | 596.8 | 597.1 | 597.4 |
| 127.5° | 642.0 | 642.5 | 643.0 | 643.1 | 642.8 | 642.4 | 642.1 | 641.8 |
| 130° | 670.1 | 670.8 | 671.5 | 671.7 | 671.3 | 671.0 | 670.7 | 670.2 |
| 132.5° | 696.9 | 697.5 | 698.2 | 698.3 | 697.8 | 697.4 | 696.9 | 696.4 |
| 135° | 737.4 | 737.9 | 738.4 | 738.4 | 737.9 | 737.4 | 736.9 | 736.4 |
| 137.5° | 773.6 | 774.4 | 775.2 | 775.4 | 775.1 | 774.7 | 774.4 | 774.1 |
| 140° | 796.5 | 797.1 | 797.8 | 798.0 | 797.6 | 797.3 | 797.0 | 796.6 |
| 142.5° | 818.2 | 818.7 | 819.2 | 819.3 | 818.8 | 818.4 | 817.9 | 817.4 |
| 145° | 848.6 | 848.9 | 849.2 | 849.4 | 849.4 | 849.4 | 849.4 | 849.4 |
| 147.5° | 875.8 | 876.1 | 876.5 | 876.2 | 875.5 | 874.6 | 873.9 | 873.1 |
| 150° | 892.4 | 892.7 | 893.0 | 893.0 | 892.5 | 892.0 | 891.5 | 891.0 |
| 152.5° | 907.2 | 907.8 | 908.4 | 908.3 | 907.6 | 906.8 | 906.1 | 905.2 |
| 155° | 927.6 | 928.4 | 929.3 | 929.2 | 928.2 | 927.2 | 926.1 | 925.1 |
| 157.5° | 945.3 | 946.2 | 947.3 | 947.2 | 945.8 | 944.5 | 943.3 | 942.0 |
| 160° | 955.4 | 956.4 | 957.4 | 957.4 | 956.1 | 955.0 | 953.8 | 952.7 |
| 162.5° | 964.6 | 965.7 | 966.8 | 966.8 | 965.8 | 964.8 | 963.8 | 962.8 |
| 165° | 976.8 | 978.2 | 979.5 | 979.6 | 978.5 | 977.2 | 976.1 | 974.9 |
| 167.5° | 986.3 | 987.7 | 989.1 | 989.1 | 987.7 | 986.3 | 985.0 | 983.7 |
| 170° | 991.7 | 993.1 | 994.4 | 994.4 | 993.1 | 991.7 | 990.4 | 989.1 |
| 172.5° | 995.3 | 996.6 | 997.9 | 997.8 | 996.4 | 995.0 | 993.5 | 992.1 |
| 175° | 999.6 | 1000.8 | 1001.9 | 1001.8 | 1000.5 | 999.2 | 997.8 | 996.5 |
| 177.5° | 1001.2 | 1002.2 | 1003.3 | 1003.1 | 1001.8 | 1000.5 | 999.2 | 997.8 |
| 180° | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 |

(END OF REPORT)