

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: P332339-840

Luminaire Tested: **S123RDIP-S1000D585U840-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332339-840
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: S123RDIP-S1000D585U840-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6194.9 lumens
Efficiency: N/A
Efficacy: 126.9 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: Semi-Direct

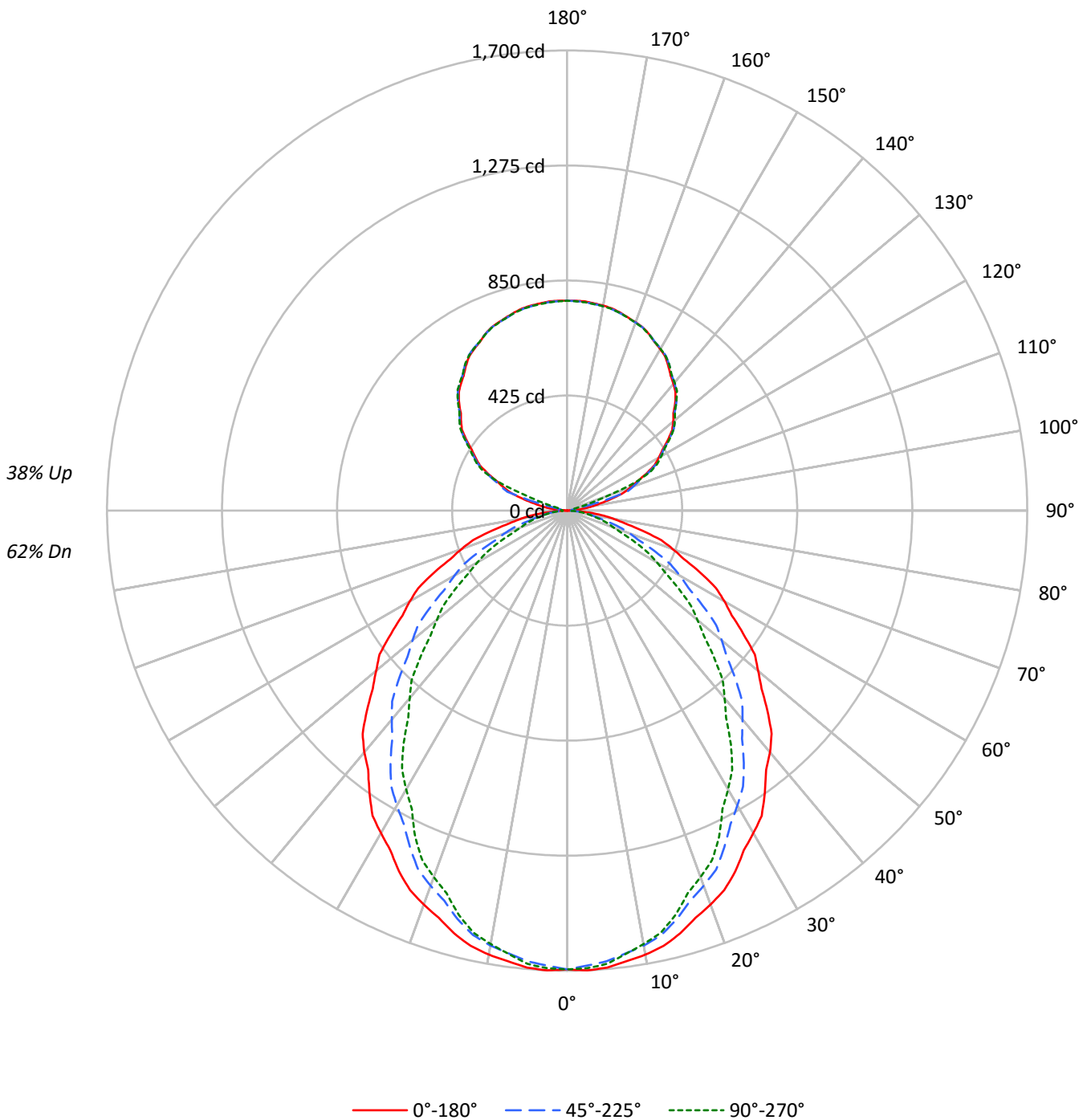
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332339-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332339-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-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 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 67 | 67 | 67 | 62 |
| 1 | 101 | 97 | 93 | 89 | 94 | 91 | 87 | 84 | 80 | 77 | 75 | 69 | 67 | 66 | 60 | 59 | 57 | 53 |
| 2 | 92 | 85 | 79 | 74 | 86 | 80 | 74 | 70 | 70 | 66 | 63 | 61 | 58 | 56 | 53 | 51 | 49 | 45 |
| 3 | 84 | 75 | 68 | 62 | 79 | 71 | 64 | 59 | 62 | 57 | 53 | 55 | 51 | 47 | 47 | 45 | 42 | 39 |
| 4 | 77 | 67 | 59 | 53 | 72 | 63 | 56 | 50 | 56 | 50 | 46 | 49 | 45 | 41 | 43 | 39 | 37 | 33 |
| 5 | 71 | 60 | 51 | 45 | 67 | 56 | 49 | 44 | 50 | 44 | 40 | 44 | 39 | 36 | 39 | 35 | 32 | 29 |
| 6 | 66 | 54 | 46 | 40 | 61 | 51 | 43 | 38 | 45 | 39 | 35 | 40 | 35 | 32 | 35 | 31 | 28 | 26 |
| 7 | 61 | 49 | 41 | 35 | 57 | 46 | 39 | 34 | 41 | 35 | 31 | 37 | 32 | 28 | 32 | 28 | 25 | 23 |
| 8 | 57 | 44 | 37 | 31 | 53 | 42 | 35 | 30 | 38 | 32 | 28 | 34 | 29 | 25 | 30 | 26 | 23 | 21 |
| 9 | 53 | 41 | 33 | 28 | 50 | 39 | 32 | 27 | 35 | 29 | 25 | 31 | 26 | 23 | 27 | 24 | 21 | 19 |
| 10 | 49 | 37 | 30 | 25 | 46 | 36 | 29 | 24 | 32 | 26 | 23 | 29 | 24 | 21 | 26 | 22 | 19 | 17 |

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: P332339-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 159.1 | 2.6 |
| 10°-20° | 442.8 | 7.1 |
| 20°-30° | 637.6 | 10.3 |
| 30°-40° | 718.2 | 11.6 |
| 40°-50° | 687.1 | 11.1 |
| 50°-60° | 562.6 | 9.1 |
| 60°-70° | 379.6 | 6.1 |
| 70°-80° | 191.0 | 3.1 |
| 80°-90° | 52.7 | 0.9 |
| 90°-100° | 28.2 | 0.5 |
| 100°-110° | 134.3 | 2.2 |
| 110°-120° | 322.7 | 5.2 |
| 120°-130° | 410.9 | 6.6 |
| 130°-140° | 439.0 | 7.1 |
| 140°-150° | 410.5 | 6.6 |
| 150°-160° | 331.2 | 5.3 |
| 160°-170° | 213.7 | 3.5 |
| 170°-180° | 73.7 | 1.2 |
| 0°-30° | 1239.5 | 20.0 |
| 0°-40° | 1957.7 | 31.6 |
| 0°-60° | 3207.4 | 51.8 |
| 0°-90° | 3830.7 | 61.8 |
| 90°-120° | 485.2 | 7.8 |
| 90°-150° | 1745.7 | 28.2 |
| 90°-180° | 2364.0 | 38.2 |
| 0°-180° | 6194.9 | 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 | 6 | 14 | 16 | 17 | 5 |
| 95° | 35 | 13 | 18 | 22 | 22 | 43 |
| 105° | 172 | 175 | 126 | 30 | 25 | 182 |
| 115° | 322 | 326 | 331 | 336 | 339 | 318 |
| 125° | 454 | 458 | 461 | 462 | 463 | 405 |
| 135° | 565 | 568 | 571 | 572 | 571 | 435 |
| 145° | 652 | 656 | 657 | 658 | 658 | 408 |
| 155° | 718 | 717 | 718 | 720 | 717 | 331 |
| 165° | 757 | 756 | 755 | 759 | 756 | 214 |
| 175° | 775 | 773 | 773 | 777 | 772 | 74 |
| 180° | 775 | 775 | 775 | 775 | 775 | |



TEST NUMBER: P332339-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-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° | 26.5 | 24.0 | 21.6 | 19.2 | 16.8 | 15.8 | 16.1 | 16.4 | 16.8 | 17.1 | 17.0 |
| 90° | 0.6 | 1.8 | 3.1 | 4.4 | 5.7 | 7.2 | 8.8 | 10.5 | 12.1 | 13.8 | 14.3 |
| 92.5° | 10.7 | 10.4 | 10.0 | 9.6 | 9.3 | 9.7 | 11.0 | 12.2 | 13.5 | 14.7 | 15.6 |
| 95° | 35.1 | 29.9 | 24.6 | 19.4 | 14.1 | 12.2 | 13.6 | 15.0 | 16.5 | 17.9 | 18.8 |
| 97.5° | 70.6 | 68.3 | 65.9 | 63.5 | 61.2 | 55.4 | 46.2 | 37.0 | 27.8 | 18.6 | 19.6 |
| 100° | 97.4 | 99.9 | 102.5 | 105.0 | 107.6 | 98.9 | 78.9 | 59.0 | 39.0 | 19.0 | 20.0 |
| 102.5° | 127.7 | 129.6 | 131.5 | 133.3 | 135.1 | 125.1 | 103.3 | 81.5 | 59.7 | 37.9 | 34.7 |
| 105° | 171.7 | 173.1 | 174.5 | 175.8 | 177.2 | 172.2 | 160.7 | 149.2 | 137.6 | 126.1 | 103.5 |
| 107.5° | 217.9 | 219.0 | 220.3 | 221.4 | 222.5 | 223.9 | 225.7 | 227.5 | 229.3 | 231.2 | 214.6 |
| 110° | 248.8 | 249.8 | 250.9 | 251.9 | 252.9 | 254.2 | 255.5 | 256.9 | 258.3 | 259.7 | 255.5 |



TEST NUMBER: P332339-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 278.3 | 279.2 | 280.1 | 281.0 | 282.0 | 283.2 | 284.6 | 286.0 | 287.4 | 288.8 | 288.9 |
| 115° | 321.9 | 322.8 | 323.5 | 324.3 | 325.1 | 326.0 | 327.2 | 328.3 | 329.4 | 330.6 | 331.9 |
| 117.5° | 364.3 | 365.2 | 366.2 | 367.1 | 368.0 | 368.8 | 369.4 | 370.0 | 370.6 | 371.1 | 372.2 |
| 120° | 390.5 | 391.6 | 392.8 | 393.9 | 395.2 | 395.9 | 396.3 | 396.7 | 397.1 | 397.4 | 398.5 |
| 122.5° | 417.3 | 418.2 | 419.1 | 420.1 | 421.0 | 421.7 | 422.2 | 422.7 | 423.2 | 423.7 | 424.4 |
| 125° | 453.8 | 454.9 | 456.0 | 457.0 | 458.0 | 458.8 | 459.3 | 459.8 | 460.3 | 460.8 | 461.0 |
| 127.5° | 489.4 | 490.4 | 491.4 | 492.4 | 493.4 | 494.2 | 494.8 | 495.5 | 496.1 | 496.8 | 497.2 |
| 130° | 511.5 | 512.5 | 513.5 | 514.5 | 515.5 | 516.3 | 516.8 | 517.4 | 517.9 | 518.4 | 518.9 |
| 132.5° | 532.7 | 533.7 | 534.7 | 535.7 | 536.7 | 537.5 | 537.9 | 538.3 | 538.7 | 539.2 | 539.7 |
| 135° | 565.0 | 565.8 | 566.5 | 567.3 | 568.2 | 568.8 | 569.3 | 569.8 | 570.3 | 570.8 | 571.2 |
| 137.5° | 592.7 | 593.7 | 594.6 | 595.6 | 596.5 | 597.2 | 597.4 | 597.7 | 598.0 | 598.3 | 599.0 |
| 140° | 611.1 | 611.9 | 612.7 | 613.4 | 614.2 | 614.8 | 615.1 | 615.5 | 615.9 | 616.3 | 616.8 |
| 142.5° | 628.1 | 628.9 | 629.8 | 630.5 | 631.3 | 631.8 | 632.2 | 632.6 | 633.0 | 633.4 | 633.8 |
| 145° | 652.0 | 652.9 | 653.8 | 654.7 | 655.6 | 656.2 | 656.4 | 656.7 | 656.9 | 657.2 | 657.4 |
| 147.5° | 674.5 | 675.1 | 675.7 | 676.2 | 676.8 | 677.2 | 677.5 | 677.7 | 678.0 | 678.3 | 678.5 |
| 150° | 688.3 | 688.7 | 689.0 | 689.4 | 689.8 | 690.1 | 690.4 | 690.6 | 690.9 | 691.2 | 691.5 |
| 152.5° | 700.7 | 700.9 | 701.0 | 701.3 | 701.5 | 701.7 | 701.8 | 702.0 | 702.1 | 702.3 | 702.7 |
| 155° | 718.2 | 718.0 | 717.7 | 717.5 | 717.2 | 717.2 | 717.3 | 717.4 | 717.5 | 717.7 | 718.3 |
| 157.5° | 731.8 | 731.8 | 731.7 | 731.7 | 731.7 | 731.6 | 731.5 | 731.4 | 731.2 | 731.1 | 732.0 |
| 160° | 740.1 | 740.0 | 739.9 | 739.7 | 739.6 | 739.5 | 739.3 | 739.2 | 739.1 | 739.0 | 739.7 |
| 162.5° | 748.0 | 747.6 | 747.3 | 747.0 | 746.6 | 746.4 | 746.3 | 746.2 | 746.0 | 745.9 | 746.8 |
| 165° | 757.4 | 757.0 | 756.7 | 756.3 | 755.9 | 755.6 | 755.5 | 755.4 | 755.3 | 755.1 | 756.2 |
| 167.5° | 764.8 | 764.3 | 763.8 | 763.3 | 762.8 | 762.4 | 762.4 | 762.4 | 762.4 | 762.4 | 763.6 |
| 170° | 768.9 | 768.4 | 767.9 | 767.4 | 766.9 | 766.6 | 766.6 | 766.6 | 766.6 | 766.6 | 767.7 |
| 172.5° | 771.7 | 771.1 | 770.4 | 769.8 | 769.2 | 769.0 | 769.1 | 769.2 | 769.3 | 769.4 | 770.4 |
| 175° | 775.3 | 774.7 | 774.0 | 773.4 | 772.7 | 772.4 | 772.5 | 772.7 | 772.8 | 773.0 | 773.9 |
| 177.5° | 776.2 | 775.7 | 775.2 | 774.7 | 774.2 | 774.0 | 774.1 | 774.2 | 774.3 | 774.4 | 775.2 |
| 180° | 775.3 | 775.3 | 775.3 | 775.3 | 775.3 | 775.3 | 775.3 | 775.3 | 775.3 | 775.3 | 775.3 |



TEST NUMBER: P332339-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-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° | 16.8 | 16.7 | 16.5 | 16.4 | 16.2 | 16.0 | 15.8 | 15.6 |
| 90° | 14.8 | 15.3 | 15.9 | 16.3 | 16.6 | 16.8 | 17.1 | 17.3 |
| 92.5° | 16.4 | 17.2 | 18.0 | 18.5 | 18.7 | 18.8 | 19.0 | 19.1 |
| 95° | 19.7 | 20.5 | 21.4 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 |
| 97.5° | 20.6 | 21.6 | 22.6 | 23.2 | 23.3 | 23.4 | 23.6 | 23.7 |
| 100° | 21.0 | 22.1 | 23.1 | 23.6 | 23.8 | 23.9 | 24.0 | 24.2 |
| 102.5° | 31.5 | 28.4 | 25.2 | 23.7 | 23.9 | 24.2 | 24.4 | 24.6 |
| 105° | 80.8 | 58.2 | 35.5 | 24.3 | 24.5 | 24.8 | 25.0 | 25.3 |
| 107.5° | 197.9 | 181.4 | 164.7 | 147.9 | 130.8 | 113.7 | 96.6 | 79.6 |
| 110° | 251.4 | 247.1 | 242.9 | 231.6 | 213.3 | 195.0 | 176.7 | 158.3 |



TEST NUMBER: P332339-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 288.9 | 289.0 | 289.1 | 287.2 | 283.4 | 279.4 | 275.6 | 271.8 |
| 115° | 333.2 | 334.5 | 335.8 | 336.6 | 337.1 | 337.7 | 338.2 | 338.7 |
| 117.5° | 373.2 | 374.3 | 375.3 | 375.9 | 376.0 | 376.1 | 376.2 | 376.3 |
| 120° | 399.5 | 400.5 | 401.5 | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 |
| 122.5° | 425.2 | 425.9 | 426.6 | 427.0 | 427.1 | 427.2 | 427.3 | 427.4 |
| 125° | 461.3 | 461.5 | 461.8 | 462.1 | 462.3 | 462.6 | 462.8 | 463.1 |
| 127.5° | 497.6 | 498.0 | 498.4 | 498.5 | 498.2 | 498.0 | 497.7 | 497.5 |
| 130° | 519.4 | 519.9 | 520.4 | 520.6 | 520.3 | 520.1 | 519.8 | 519.6 |
| 132.5° | 540.2 | 540.7 | 541.2 | 541.3 | 540.9 | 540.5 | 540.2 | 539.8 |
| 135° | 571.6 | 572.0 | 572.3 | 572.3 | 572.0 | 571.6 | 571.2 | 570.8 |
| 137.5° | 599.6 | 600.2 | 600.8 | 601.0 | 600.7 | 600.5 | 600.2 | 600.0 |
| 140° | 617.3 | 617.8 | 618.3 | 618.4 | 618.2 | 617.9 | 617.7 | 617.4 |
| 142.5° | 634.2 | 634.6 | 635.0 | 635.0 | 634.7 | 634.3 | 633.9 | 633.6 |
| 145° | 657.7 | 657.9 | 658.2 | 658.3 | 658.3 | 658.3 | 658.3 | 658.3 |
| 147.5° | 678.8 | 679.0 | 679.3 | 679.1 | 678.5 | 677.9 | 677.4 | 676.8 |
| 150° | 691.7 | 692.0 | 692.2 | 692.2 | 691.8 | 691.4 | 690.9 | 690.6 |
| 152.5° | 703.2 | 703.6 | 704.1 | 704.0 | 703.5 | 702.9 | 702.3 | 701.7 |
| 155° | 718.9 | 719.6 | 720.2 | 720.1 | 719.4 | 718.6 | 717.9 | 717.1 |
| 157.5° | 732.7 | 733.5 | 734.3 | 734.1 | 733.1 | 732.2 | 731.1 | 730.1 |
| 160° | 740.5 | 741.2 | 742.0 | 741.9 | 741.1 | 740.2 | 739.3 | 738.4 |
| 162.5° | 747.6 | 748.5 | 749.4 | 749.4 | 748.6 | 747.8 | 747.0 | 746.3 |
| 165° | 757.2 | 758.2 | 759.2 | 759.3 | 758.4 | 757.5 | 756.6 | 755.7 |
| 167.5° | 764.6 | 765.6 | 766.6 | 766.6 | 765.6 | 764.6 | 763.6 | 762.4 |
| 170° | 768.7 | 769.7 | 770.7 | 770.7 | 769.7 | 768.7 | 767.7 | 766.6 |
| 172.5° | 771.4 | 772.4 | 773.5 | 773.5 | 772.3 | 771.2 | 770.0 | 768.9 |
| 175° | 774.8 | 775.7 | 776.6 | 776.5 | 775.5 | 774.5 | 773.5 | 772.3 |
| 177.5° | 776.0 | 776.8 | 777.6 | 777.5 | 776.5 | 775.5 | 774.5 | 773.5 |
| 180° | 775.3 | 775.3 | 775.3 | 775.3 | 775.3 | 775.3 | 775.3 | 775.3 |

(END OF REPORT)