

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: P331852

Luminaire Tested: **S122RDIW-S1005D710U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331852
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S1005D710U835-4F0-1E-UDD-F1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 710 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5945.3 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 0.99 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

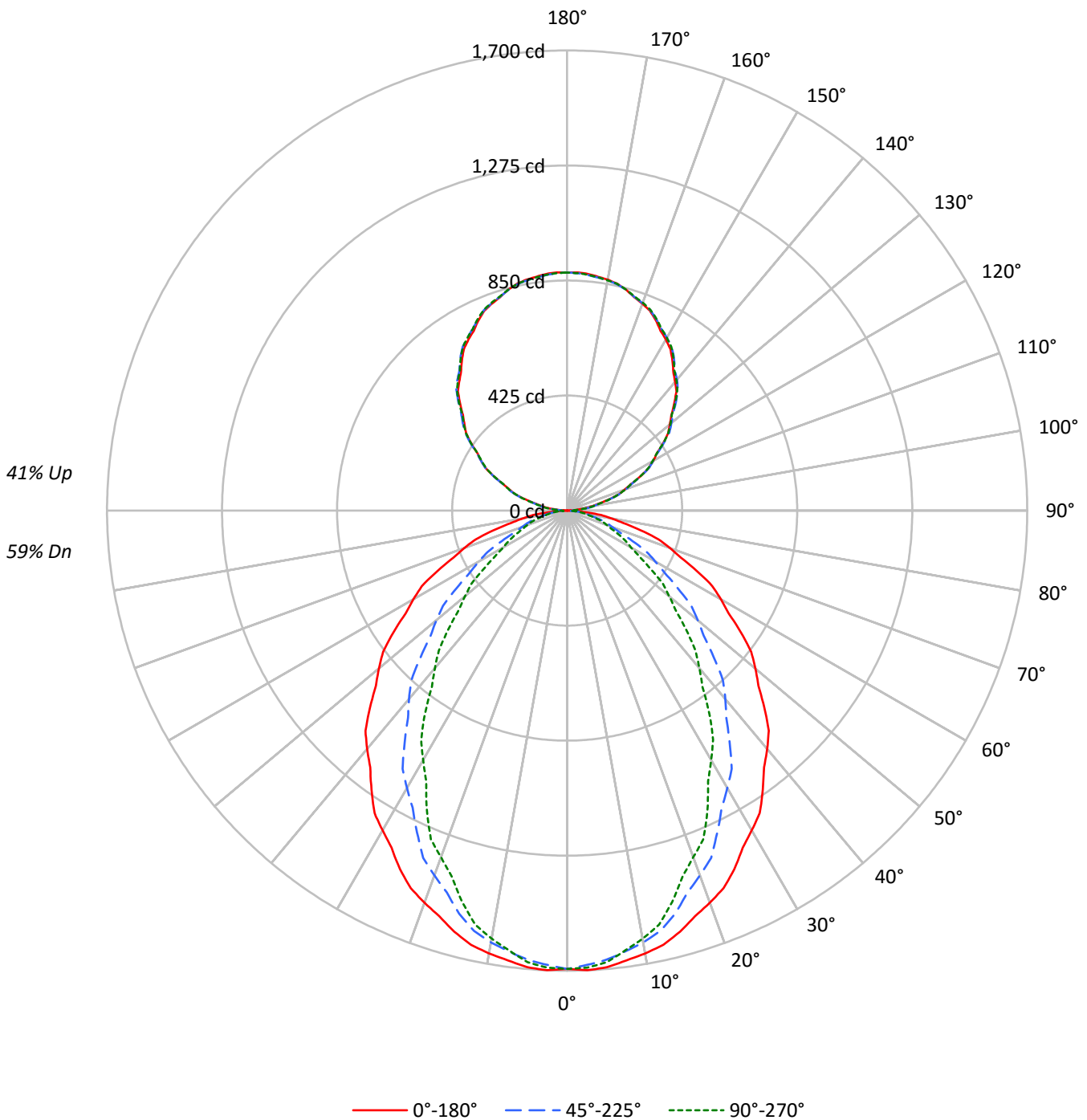
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331852

CATALOG NUMBER: S122RDIW-S1005D710U835-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P331852

CATALOG NUMBER: S122RDIW-S1005D710U835-4F0-1E-UDD-F1

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 | 76 | 76 | 76 | 64 | 64 | 64 | 59 |
| 1 | 100 | 96 | 92 | 89 | 93 | 90 | 87 | 84 | 78 | 76 | 74 | 67 | 66 | 64 | 57 | 56 | 55 | 50 |
| 2 | 92 | 85 | 79 | 74 | 85 | 79 | 74 | 70 | 69 | 65 | 62 | 60 | 57 | 54 | 51 | 49 | 47 | 43 |
| 3 | 84 | 75 | 68 | 62 | 78 | 70 | 64 | 59 | 62 | 57 | 53 | 53 | 50 | 47 | 46 | 43 | 41 | 37 |
| 4 | 77 | 67 | 59 | 53 | 72 | 63 | 56 | 50 | 55 | 50 | 45 | 48 | 44 | 41 | 41 | 38 | 36 | 32 |
| 5 | 71 | 60 | 52 | 46 | 66 | 56 | 49 | 44 | 50 | 44 | 40 | 43 | 39 | 36 | 38 | 34 | 32 | 29 |
| 6 | 66 | 54 | 46 | 40 | 61 | 51 | 44 | 38 | 45 | 39 | 35 | 39 | 35 | 31 | 34 | 31 | 28 | 25 |
| 7 | 61 | 49 | 41 | 36 | 57 | 46 | 39 | 34 | 41 | 35 | 31 | 36 | 32 | 28 | 32 | 28 | 25 | 23 |
| 8 | 57 | 45 | 37 | 32 | 53 | 42 | 35 | 30 | 38 | 32 | 28 | 33 | 29 | 25 | 29 | 25 | 23 | 21 |
| 9 | 53 | 41 | 33 | 28 | 50 | 39 | 32 | 27 | 35 | 29 | 25 | 31 | 26 | 23 | 27 | 23 | 21 | 19 |
| 10 | 50 | 38 | 30 | 26 | 46 | 36 | 29 | 25 | 32 | 27 | 23 | 28 | 24 | 21 | 25 | 22 | 19 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 27341 | 27341 | 27341 |
| 5° | 27446 | 27000 | 27149 |
| 10° | 27237 | 26558 | 26332 |
| 15° | 26924 | 25770 | 25028 |
| 20° | 26490 | 24646 | 23409 |
| 25° | 26045 | 23370 | 21841 |
| 30° | 25430 | 22057 | 19829 |
| 35° | 24829 | 20631 | 18065 |
| 40° | 24226 | 19155 | 16021 |
| 45° | 23516 | 17497 | 14173 |
| 50° | 22790 | 15822 | 12356 |
| 55° | 22044 | 14021 | 10612 |
| 60° | 21180 | 12126 | 8809 |
| 65° | 20199 | 10189 | 8023 |
| 70° | 19029 | 8393 | 7378 |
| 75° | 17592 | 7648 | 6881 |
| 80° | 15528 | 6843 | 6267 |
| 85° | 12208 | 5391 | 5391 |



TEST NUMBER: P331852

CATALOG NUMBER: S122RDIW-S1005D710U835-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 158.5 | 2.7 |
| 10°-20° | 435.2 | 7.3 |
| 20°-30° | 611.2 | 10.3 |
| 30°-40° | 666.5 | 11.2 |
| 40°-50° | 612.8 | 10.3 |
| 50°-60° | 481.3 | 8.1 |
| 60°-70° | 313.8 | 5.3 |
| 70°-80° | 161.8 | 2.7 |
| 80°-90° | 45.5 | 0.8 |
| 90°-100° | 55.7 | 0.9 |
| 100°-110° | 173.1 | 2.9 |
| 110°-120° | 295.8 | 5.0 |
| 120°-130° | 389.0 | 6.5 |
| 130°-140° | 436.6 | 7.3 |
| 140°-150° | 428.1 | 7.2 |
| 150°-160° | 359.1 | 6.0 |
| 160°-170° | 238.2 | 4.0 |
| 170°-180° | 83.2 | 1.4 |
| 0°-30° | 1204.9 | 20.3 |
| 0°-40° | 1871.4 | 31.5 |
| 0°-60° | 2965.4 | 49.9 |
| 0°-90° | 3486.5 | 58.6 |
| 90°-120° | 524.6 | 8.8 |
| 90°-150° | 1778.3 | 29.9 |
| 90°-180° | 2459.0 | 41.4 |
| 0°-180° | 5945.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1693 | 1693 | 1693 | 1693 | 1693 | |
| 5° | 1693 | 1685 | 1666 | 1679 | 1675 | 160 |
| 15° | 1611 | 1592 | 1542 | 1513 | 1497 | 454 |
| 25° | 1462 | 1410 | 1312 | 1251 | 1226 | 672 |
| 35° | 1260 | 1178 | 1047 | 954 | 916 | 788 |
| 45° | 1030 | 924 | 766 | 661 | 621 | 795 |
| 55° | 783 | 661 | 498 | 410 | 377 | 700 |
| 65° | 529 | 404 | 267 | 217 | 210 | 524 |
| 75° | 282 | 178 | 123 | 112 | 110 | 298 |
| 85° | 66 | 35 | 29 | 29 | 29 | 78 |
| 90° | 1 | 10 | 26 | 25 | 25 | 5 |
| 95° | 39 | 46 | 48 | 47 | 46 | 44 |
| 105° | 160 | 162 | 163 | 165 | 165 | 168 |
| 115° | 297 | 301 | 300 | 299 | 297 | 294 |
| 125° | 432 | 438 | 436 | 434 | 433 | 386 |
| 135° | 559 | 567 | 568 | 568 | 565 | 431 |
| 145° | 678 | 683 | 688 | 688 | 686 | 424 |
| 155° | 775 | 778 | 780 | 783 | 781 | 357 |
| 165° | 844 | 843 | 843 | 848 | 844 | 238 |
| 175° | 878 | 876 | 874 | 879 | 875 | 83 |
| 180° | 879 | 879 | 879 | 879 | 879 | |



TEST NUMBER: P331852

CATALOG NUMBER: S122RDIW-S1005D710U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 |
| 2.5° | 1699.6 | 1698.2 | 1696.8 | 1695.5 | 1694.1 | 1691.9 | 1688.9 | 1686.0 | 1683.0 | 1680.0 | 1682.7 |
| 5° | 1693.4 | 1691.7 | 1690.0 | 1688.3 | 1686.6 | 1683.6 | 1679.1 | 1674.7 | 1670.3 | 1665.9 | 1668.9 |
| 7.5° | 1676.0 | 1673.9 | 1671.8 | 1669.6 | 1667.5 | 1663.9 | 1658.7 | 1653.5 | 1648.4 | 1643.2 | 1644.1 |
| 10° | 1661.3 | 1658.9 | 1656.5 | 1654.1 | 1651.7 | 1647.1 | 1640.3 | 1633.5 | 1626.7 | 1619.9 | 1618.9 |
| 12.5° | 1642.9 | 1639.9 | 1637.0 | 1634.1 | 1631.2 | 1625.3 | 1616.6 | 1607.9 | 1599.2 | 1590.5 | 1588.6 |
| 15° | 1610.7 | 1606.9 | 1603.2 | 1599.4 | 1595.7 | 1588.0 | 1576.5 | 1564.9 | 1553.3 | 1541.7 | 1535.3 |
| 17.5° | 1571.1 | 1565.4 | 1559.7 | 1554.0 | 1548.3 | 1538.0 | 1523.1 | 1508.3 | 1493.4 | 1478.6 | 1470.9 |
| 20° | 1541.7 | 1534.9 | 1528.1 | 1521.3 | 1514.5 | 1502.6 | 1485.5 | 1468.5 | 1451.5 | 1434.4 | 1425.9 |
| 22.5° | 1509.8 | 1502.2 | 1494.6 | 1487.0 | 1479.3 | 1465.9 | 1446.7 | 1427.5 | 1408.3 | 1389.1 | 1378.1 |
| 25° | 1462.0 | 1451.1 | 1440.2 | 1429.3 | 1418.4 | 1401.8 | 1379.3 | 1356.8 | 1334.3 | 1311.8 | 1297.9 |
| 27.5° | 1404.4 | 1392.6 | 1380.7 | 1368.9 | 1357.0 | 1338.4 | 1313.1 | 1287.7 | 1262.4 | 1237.1 | 1220.8 |
| 30° | 1364.0 | 1351.0 | 1338.1 | 1325.1 | 1312.2 | 1292.1 | 1264.8 | 1237.6 | 1210.4 | 1183.1 | 1165.7 |
| 32.5° | 1324.7 | 1309.6 | 1294.5 | 1279.4 | 1264.2 | 1242.8 | 1215.0 | 1187.2 | 1159.4 | 1131.6 | 1111.8 |
| 35° | 1259.7 | 1242.4 | 1225.0 | 1207.6 | 1190.3 | 1166.6 | 1136.6 | 1106.7 | 1076.7 | 1046.7 | 1025.3 |
| 37.5° | 1194.8 | 1175.7 | 1156.6 | 1137.5 | 1118.5 | 1093.0 | 1061.0 | 1029.1 | 997.1 | 965.2 | 941.6 |
| 40° | 1149.4 | 1129.0 | 1108.5 | 1088.1 | 1067.7 | 1040.9 | 1007.9 | 974.9 | 941.8 | 908.8 | 884.6 |
| 42.5° | 1102.8 | 1081.3 | 1059.8 | 1038.2 | 1016.7 | 988.9 | 954.8 | 920.6 | 886.5 | 852.4 | 827.4 |
| 45° | 1029.9 | 1007.0 | 984.2 | 961.4 | 938.6 | 909.3 | 873.5 | 837.8 | 802.0 | 766.3 | 742.1 |
| 47.5° | 958.7 | 934.6 | 910.4 | 886.2 | 862.0 | 831.5 | 794.6 | 757.6 | 720.7 | 683.8 | 659.8 |
| 50° | 907.3 | 883.1 | 858.9 | 834.7 | 810.5 | 779.7 | 742.3 | 704.8 | 667.3 | 629.9 | 606.4 |
| 52.5° | 857.0 | 831.7 | 806.5 | 781.2 | 755.9 | 725.0 | 688.3 | 651.7 | 615.0 | 578.4 | 555.7 |
| 55° | 783.1 | 756.6 | 730.0 | 703.4 | 676.9 | 645.2 | 608.4 | 571.6 | 534.9 | 498.1 | 477.6 |
| 57.5° | 707.4 | 680.2 | 652.9 | 625.7 | 598.4 | 567.1 | 531.8 | 496.4 | 461.1 | 425.7 | 407.0 |
| 60° | 655.9 | 628.7 | 601.4 | 574.2 | 546.9 | 515.8 | 480.7 | 445.6 | 410.5 | 375.5 | 358.1 |
| 62.5° | 605.7 | 578.4 | 551.2 | 523.9 | 496.7 | 466.3 | 432.9 | 399.4 | 366.0 | 332.6 | 316.0 |
| 65° | 528.7 | 501.1 | 473.6 | 446.0 | 418.4 | 389.3 | 358.6 | 328.0 | 297.3 | 266.7 | 255.1 |
| 67.5° | 454.5 | 427.2 | 399.8 | 372.4 | 345.0 | 317.5 | 290.0 | 262.4 | 234.8 | 207.2 | 201.9 |
| 70° | 403.1 | 376.5 | 349.9 | 323.4 | 296.8 | 271.8 | 248.3 | 224.8 | 201.3 | 177.8 | 174.4 |
| 72.5° | 354.0 | 328.5 | 303.1 | 277.6 | 252.1 | 229.9 | 211.1 | 192.2 | 173.3 | 154.5 | 151.6 |
| 75° | 282.0 | 258.1 | 234.3 | 210.5 | 186.6 | 168.9 | 157.3 | 145.8 | 134.2 | 122.6 | 120.2 |
| 77.5° | 211.2 | 190.3 | 169.4 | 148.5 | 127.5 | 114.3 | 108.7 | 103.1 | 97.5 | 92.0 | 90.6 |
| 80° | 167.0 | 149.7 | 132.3 | 114.9 | 97.6 | 87.2 | 83.8 | 80.4 | 77.0 | 73.6 | 72.2 |
| 82.5° | 126.6 | 113.0 | 99.5 | 85.9 | 72.4 | 64.4 | 62.1 | 59.8 | 57.5 | 55.2 | 54.4 |
| 85° | 65.9 | 58.7 | 51.6 | 44.4 | 37.3 | 33.2 | 32.2 | 31.2 | 30.1 | 29.1 | 29.1 |
| 87.5° | 19.8 | 18.0 | 16.2 | 14.4 | 12.6 | 12.1 | 12.8 | 13.6 | 14.3 | 15.0 | 14.7 |
| 90° | 0.7 | 2.7 | 4.7 | 6.7 | 8.7 | 11.5 | 15.1 | 18.7 | 22.3 | 26.0 | 25.6 |
| 92.5° | 13.2 | 14.7 | 16.1 | 17.6 | 19.0 | 20.2 | 21.0 | 21.9 | 22.7 | 23.6 | 23.7 |
| 95° | 38.6 | 40.2 | 41.9 | 43.5 | 45.2 | 46.2 | 46.5 | 46.8 | 47.2 | 47.5 | 47.5 |
| 97.5° | 70.5 | 71.9 | 73.4 | 74.8 | 76.3 | 77.3 | 78.0 | 78.6 | 79.2 | 79.8 | 79.8 |
| 100° | 94.2 | 95.6 | 96.9 | 98.2 | 99.5 | 100.4 | 100.9 | 101.4 | 101.9 | 102.4 | 102.4 |
| 102.5° | 119.2 | 120.2 | 121.3 | 122.3 | 123.4 | 124.2 | 124.9 | 125.5 | 126.1 | 126.7 | 126.9 |
| 105° | 159.5 | 160.0 | 160.5 | 161.0 | 161.5 | 161.9 | 162.3 | 162.6 | 162.9 | 163.3 | 163.6 |
| 107.5° | 200.2 | 200.9 | 201.7 | 202.4 | 203.1 | 203.5 | 203.5 | 203.5 | 203.5 | 203.5 | 203.6 |
| 110° | 226.3 | 227.3 | 228.3 | 229.3 | 230.3 | 230.8 | 230.8 | 230.8 | 230.8 | 230.8 | 230.8 |



TEST NUMBER: P331852

CATALOG NUMBER: S122RDIW-S1005D710U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 254.8 | 255.8 | 256.8 | 257.8 | 258.8 | 259.2 | 259.1 | 258.9 | 258.8 | 258.7 | 258.3 |
| 115° | 296.8 | 297.8 | 298.8 | 299.8 | 300.8 | 301.1 | 300.8 | 300.4 | 300.1 | 299.8 | 299.6 |
| 117.5° | 338.7 | 340.0 | 341.3 | 342.6 | 343.9 | 344.1 | 343.2 | 342.3 | 341.4 | 340.5 | 340.1 |
| 120° | 366.6 | 367.9 | 369.2 | 370.5 | 371.8 | 371.8 | 370.5 | 369.2 | 367.9 | 366.6 | 366.6 |
| 122.5° | 392.1 | 393.7 | 395.3 | 396.8 | 398.4 | 398.8 | 397.8 | 396.9 | 396.0 | 395.1 | 394.7 |
| 125° | 431.9 | 433.4 | 434.8 | 436.3 | 437.8 | 438.3 | 437.8 | 437.3 | 436.8 | 436.3 | 435.8 |
| 127.5° | 470.6 | 472.5 | 474.4 | 476.2 | 478.1 | 478.8 | 478.2 | 477.6 | 477.0 | 476.4 | 475.8 |
| 130° | 494.9 | 497.1 | 499.2 | 501.4 | 503.5 | 504.4 | 504.1 | 503.8 | 503.4 | 503.1 | 502.8 |
| 132.5° | 522.3 | 524.0 | 525.8 | 527.5 | 529.2 | 530.2 | 530.2 | 530.3 | 530.4 | 530.4 | 529.7 |
| 135° | 558.8 | 560.6 | 562.4 | 564.2 | 566.0 | 567.1 | 567.4 | 567.8 | 568.1 | 568.4 | 568.2 |
| 137.5° | 597.2 | 598.7 | 600.2 | 601.7 | 603.1 | 604.1 | 604.5 | 605.0 | 605.4 | 605.8 | 605.7 |
| 140° | 620.4 | 621.8 | 623.3 | 624.8 | 626.3 | 627.4 | 628.3 | 629.1 | 629.9 | 630.7 | 630.7 |
| 142.5° | 644.1 | 645.6 | 647.1 | 648.6 | 650.0 | 651.1 | 651.6 | 652.2 | 652.7 | 653.3 | 653.4 |
| 145° | 678.2 | 679.4 | 680.5 | 681.7 | 682.9 | 683.9 | 684.9 | 685.9 | 686.9 | 687.9 | 688.0 |
| 147.5° | 708.7 | 710.0 | 711.4 | 712.8 | 714.2 | 715.2 | 715.9 | 716.5 | 717.2 | 717.9 | 718.2 |
| 150° | 729.4 | 730.4 | 731.4 | 732.4 | 733.4 | 734.2 | 734.9 | 735.5 | 736.2 | 736.9 | 737.4 |
| 152.5° | 747.8 | 748.8 | 749.8 | 750.8 | 751.8 | 752.7 | 753.5 | 754.3 | 755.1 | 755.9 | 756.5 |
| 155° | 775.4 | 775.9 | 776.4 | 776.9 | 777.4 | 777.9 | 778.4 | 778.9 | 779.4 | 779.9 | 780.7 |
| 157.5° | 799.0 | 799.4 | 799.7 | 800.0 | 800.4 | 800.7 | 801.0 | 801.3 | 801.6 | 801.9 | 803.0 |
| 160° | 813.3 | 813.6 | 813.9 | 814.3 | 814.6 | 814.9 | 815.0 | 815.2 | 815.3 | 815.5 | 816.5 |
| 162.5° | 826.3 | 826.4 | 826.5 | 826.5 | 826.6 | 826.7 | 826.9 | 827.1 | 827.2 | 827.4 | 828.5 |
| 165° | 843.7 | 843.5 | 843.4 | 843.2 | 843.1 | 843.0 | 843.0 | 843.0 | 843.0 | 843.0 | 844.1 |
| 167.5° | 858.3 | 857.8 | 857.3 | 856.8 | 856.3 | 856.0 | 856.0 | 855.9 | 855.9 | 855.9 | 857.0 |
| 170° | 866.0 | 865.5 | 865.0 | 864.5 | 864.0 | 863.7 | 863.5 | 863.3 | 863.2 | 863.0 | 864.2 |
| 172.5° | 871.3 | 870.8 | 870.3 | 869.8 | 869.3 | 869.0 | 868.8 | 868.7 | 868.5 | 868.3 | 869.5 |
| 175° | 877.8 | 877.4 | 876.9 | 876.4 | 875.9 | 875.5 | 875.1 | 874.8 | 874.5 | 874.1 | 875.3 |
| 177.5° | 880.5 | 880.1 | 879.7 | 879.3 | 878.9 | 878.6 | 878.3 | 878.1 | 877.8 | 877.5 | 878.3 |
| 180° | 879.3 | 879.3 | 879.3 | 879.3 | 879.3 | 879.3 | 879.3 | 879.3 | 879.3 | 879.3 | 879.3 |



TEST NUMBER: P331852

CATALOG NUMBER: S122RDIW-S1005D710U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 |
| 2.5° | 1685.4 | 1688.1 | 1690.9 | 1691.9 | 1691.4 | 1690.9 | 1690.3 | 1689.8 |
| 5° | 1672.0 | 1675.1 | 1678.1 | 1679.1 | 1678.1 | 1677.1 | 1676.1 | 1675.1 |
| 7.5° | 1644.9 | 1645.8 | 1646.7 | 1646.3 | 1644.5 | 1642.7 | 1641.0 | 1639.2 |
| 10° | 1617.8 | 1616.8 | 1615.8 | 1614.3 | 1612.2 | 1610.2 | 1608.1 | 1606.1 |
| 12.5° | 1586.8 | 1584.9 | 1583.1 | 1580.5 | 1577.1 | 1573.7 | 1570.3 | 1566.9 |
| 15° | 1528.8 | 1522.3 | 1515.8 | 1510.9 | 1507.5 | 1504.1 | 1500.7 | 1497.3 |
| 17.5° | 1463.2 | 1455.5 | 1447.8 | 1441.0 | 1435.2 | 1429.3 | 1423.4 | 1417.6 |
| 20° | 1417.4 | 1408.9 | 1400.4 | 1392.4 | 1384.9 | 1377.4 | 1369.9 | 1362.4 |
| 22.5° | 1367.2 | 1356.2 | 1345.2 | 1336.9 | 1331.4 | 1325.8 | 1320.2 | 1314.6 |
| 25° | 1283.9 | 1270.0 | 1256.0 | 1246.5 | 1241.3 | 1236.2 | 1231.1 | 1226.0 |
| 27.5° | 1204.5 | 1188.2 | 1171.9 | 1159.7 | 1151.6 | 1143.5 | 1135.4 | 1127.3 |
| 30° | 1148.4 | 1131.0 | 1113.6 | 1100.4 | 1091.2 | 1082.0 | 1072.8 | 1063.6 |
| 32.5° | 1092.0 | 1072.2 | 1052.3 | 1038.1 | 1029.5 | 1020.8 | 1012.1 | 1003.5 |
| 35° | 1003.8 | 982.4 | 960.9 | 946.4 | 938.9 | 931.4 | 923.9 | 916.5 |
| 37.5° | 917.9 | 894.3 | 870.6 | 854.5 | 846.0 | 837.4 | 828.8 | 820.2 |
| 40° | 860.4 | 836.2 | 812.1 | 795.6 | 786.7 | 777.8 | 769.0 | 760.1 |
| 42.5° | 802.4 | 777.4 | 752.4 | 735.6 | 727.0 | 718.4 | 709.9 | 701.3 |
| 45° | 717.9 | 693.7 | 669.5 | 653.4 | 645.2 | 637.0 | 628.8 | 620.7 |
| 47.5° | 635.7 | 611.7 | 587.6 | 571.9 | 564.5 | 557.1 | 549.6 | 542.2 |
| 50° | 582.9 | 559.4 | 535.9 | 520.5 | 513.4 | 506.2 | 499.1 | 491.9 |
| 52.5° | 533.0 | 510.3 | 487.7 | 473.0 | 466.4 | 459.8 | 453.2 | 446.6 |
| 55° | 457.2 | 436.8 | 416.3 | 402.9 | 396.4 | 389.9 | 383.5 | 377.0 |
| 57.5° | 388.3 | 369.5 | 350.8 | 338.7 | 333.3 | 327.8 | 322.4 | 316.9 |
| 60° | 340.7 | 323.4 | 306.0 | 294.6 | 289.1 | 283.7 | 278.2 | 272.8 |
| 62.5° | 299.5 | 282.9 | 266.4 | 256.4 | 253.2 | 249.9 | 246.6 | 243.4 |
| 65° | 243.5 | 231.9 | 220.3 | 214.0 | 213.0 | 212.0 | 211.0 | 210.0 |
| 67.5° | 196.6 | 191.3 | 185.9 | 182.7 | 181.7 | 180.6 | 179.5 | 178.4 |
| 70° | 171.0 | 167.6 | 164.2 | 161.8 | 160.4 | 159.0 | 157.7 | 156.3 |
| 72.5° | 148.8 | 145.9 | 143.0 | 141.2 | 140.4 | 139.6 | 138.7 | 137.9 |
| 75° | 117.8 | 115.5 | 113.1 | 111.7 | 111.4 | 111.0 | 110.7 | 110.3 |
| 77.5° | 89.2 | 87.9 | 86.5 | 85.5 | 85.0 | 84.5 | 83.9 | 83.4 |
| 80° | 70.8 | 69.5 | 68.1 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 82.5° | 53.5 | 52.7 | 51.9 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 85° | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 |
| 87.5° | 14.3 | 14.0 | 13.6 | 13.5 | 13.5 | 13.6 | 13.6 | 13.6 |
| 90° | 25.3 | 25.0 | 24.7 | 24.6 | 24.7 | 24.9 | 25.1 | 25.2 |
| 92.5° | 23.7 | 23.8 | 23.9 | 23.9 | 23.9 | 24.0 | 24.0 | 24.0 |
| 95° | 47.5 | 47.5 | 47.5 | 47.3 | 47.0 | 46.7 | 46.3 | 46.0 |
| 97.5° | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.7 | 79.7 |
| 100° | 102.4 | 102.4 | 102.4 | 102.3 | 102.2 | 102.0 | 101.8 | 101.7 |
| 102.5° | 127.0 | 127.1 | 127.3 | 127.3 | 127.1 | 126.9 | 126.8 | 126.6 |
| 105° | 163.9 | 164.2 | 164.6 | 164.7 | 164.7 | 164.7 | 164.7 | 164.7 |
| 107.5° | 203.7 | 203.9 | 204.0 | 203.7 | 202.9 | 202.2 | 201.4 | 200.7 |
| 110° | 230.8 | 230.8 | 230.8 | 230.5 | 230.0 | 229.5 | 229.0 | 228.6 |



TEST NUMBER: P331852

CATALOG NUMBER: S122RDIW-S1005D710U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 257.9 | 257.5 | 257.1 | 256.7 | 256.4 | 256.0 | 255.6 | 255.3 |
| 115° | 299.5 | 299.3 | 299.1 | 298.8 | 298.3 | 297.8 | 297.3 | 296.8 |
| 117.5° | 339.7 | 339.3 | 338.9 | 338.4 | 337.9 | 337.4 | 336.9 | 336.4 |
| 120° | 366.6 | 366.6 | 366.6 | 366.3 | 365.8 | 365.3 | 364.8 | 364.3 |
| 122.5° | 394.3 | 393.9 | 393.5 | 393.1 | 392.7 | 392.4 | 392.0 | 391.7 |
| 125° | 435.3 | 434.8 | 434.3 | 434.0 | 433.9 | 433.7 | 433.5 | 433.4 |
| 127.5° | 475.2 | 474.6 | 474.0 | 473.5 | 472.9 | 472.4 | 471.9 | 471.4 |
| 130° | 502.5 | 502.1 | 501.8 | 501.3 | 500.6 | 500.0 | 499.3 | 498.7 |
| 132.5° | 529.0 | 528.2 | 527.5 | 526.9 | 526.4 | 525.8 | 525.3 | 524.8 |
| 135° | 568.1 | 567.9 | 567.8 | 567.4 | 566.9 | 566.4 | 565.9 | 565.4 |
| 137.5° | 605.5 | 605.4 | 605.3 | 604.9 | 604.2 | 603.6 | 602.9 | 602.2 |
| 140° | 630.7 | 630.7 | 630.7 | 630.4 | 629.8 | 629.1 | 628.4 | 627.8 |
| 142.5° | 653.6 | 653.7 | 653.8 | 653.6 | 652.9 | 652.2 | 651.6 | 650.9 |
| 145° | 688.2 | 688.4 | 688.5 | 688.3 | 687.6 | 687.0 | 686.3 | 685.7 |
| 147.5° | 718.6 | 718.9 | 719.3 | 719.2 | 718.6 | 717.9 | 717.3 | 716.7 |
| 150° | 737.8 | 738.3 | 738.8 | 738.8 | 738.3 | 737.8 | 737.4 | 736.9 |
| 152.5° | 757.1 | 757.7 | 758.4 | 758.4 | 757.7 | 757.1 | 756.5 | 755.9 |
| 155° | 781.5 | 782.4 | 783.2 | 783.4 | 782.9 | 782.4 | 781.9 | 781.4 |
| 157.5° | 804.1 | 805.2 | 806.3 | 806.5 | 805.7 | 804.9 | 804.1 | 803.3 |
| 160° | 817.5 | 818.5 | 819.5 | 819.6 | 819.0 | 818.3 | 817.7 | 817.0 |
| 162.5° | 829.6 | 830.8 | 831.9 | 832.0 | 831.2 | 830.5 | 829.7 | 828.9 |
| 165° | 845.3 | 846.4 | 847.6 | 847.8 | 846.9 | 846.1 | 845.3 | 844.5 |
| 167.5° | 858.2 | 859.3 | 860.5 | 860.6 | 859.8 | 858.9 | 858.1 | 857.2 |
| 170° | 865.3 | 866.5 | 867.6 | 867.7 | 866.7 | 865.7 | 864.7 | 863.7 |
| 172.5° | 870.7 | 871.8 | 873.0 | 873.0 | 872.1 | 871.1 | 870.1 | 869.1 |
| 175° | 876.4 | 877.6 | 878.8 | 878.8 | 877.8 | 876.9 | 875.9 | 874.9 |
| 177.5° | 879.1 | 879.9 | 880.7 | 880.7 | 879.9 | 879.1 | 878.3 | 877.5 |
| 180° | 879.3 | 879.3 | 879.3 | 879.3 | 879.3 | 879.3 | 879.3 | 879.3 |

(END OF REPORT)