

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: P331758

Luminaire Tested: **S122RDIP-S1005D925U835-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331758
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIP-S1005D925U835-4F0-1E-UDD-F4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7099.0 lumens
Efficiency: N/A
Efficacy: 106.3 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

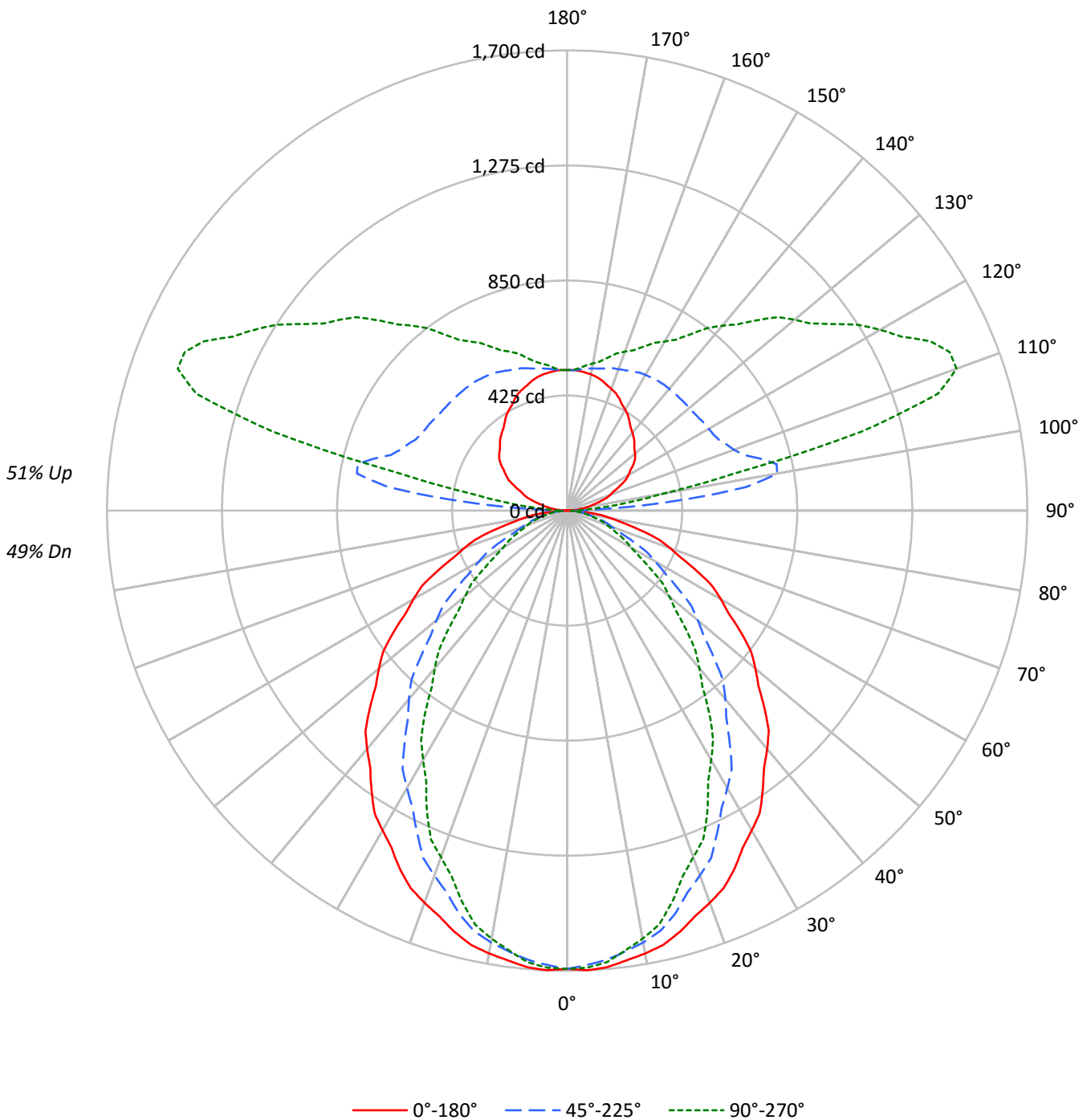
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331758

CATALOG NUMBER: S122RDIP-S1005D925U835-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P331758

CATALOG NUMBER: S122RDIP-S1005D925U835-4F0-1E-UDD-F4

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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 55 | 55 | 55 | 49 |
| 1 | 98 | 94 | 90 | 87 | 90 | 87 | 84 | 81 | 73 | 71 | 69 | 61 | 59 | 58 | 50 | 49 | 48 | 42 |
| 2 | 90 | 83 | 77 | 72 | 82 | 76 | 71 | 67 | 65 | 61 | 58 | 54 | 51 | 49 | 44 | 42 | 41 | 36 |
| 3 | 82 | 73 | 66 | 60 | 75 | 68 | 61 | 57 | 58 | 53 | 49 | 48 | 45 | 42 | 40 | 37 | 35 | 31 |
| 4 | 75 | 65 | 57 | 51 | 69 | 60 | 54 | 48 | 51 | 46 | 42 | 43 | 40 | 36 | 36 | 33 | 31 | 27 |
| 5 | 69 | 58 | 50 | 44 | 64 | 54 | 47 | 42 | 46 | 41 | 37 | 39 | 35 | 32 | 32 | 29 | 27 | 24 |
| 6 | 64 | 52 | 44 | 39 | 59 | 49 | 42 | 37 | 42 | 36 | 32 | 36 | 31 | 28 | 30 | 27 | 24 | 21 |
| 7 | 59 | 47 | 40 | 34 | 55 | 44 | 37 | 32 | 38 | 33 | 29 | 32 | 28 | 25 | 27 | 24 | 22 | 19 |
| 8 | 55 | 43 | 36 | 30 | 51 | 40 | 33 | 29 | 35 | 29 | 26 | 30 | 26 | 23 | 25 | 22 | 20 | 17 |
| 9 | 51 | 39 | 32 | 27 | 47 | 37 | 30 | 26 | 32 | 27 | 23 | 27 | 23 | 20 | 23 | 20 | 18 | 16 |
| 10 | 48 | 36 | 29 | 24 | 44 | 34 | 28 | 23 | 30 | 24 | 21 | 25 | 21 | 19 | 22 | 18 | 16 | 14 |

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: P331758

CATALOG NUMBER: S122RDIP-S1005D925U835-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 158.5 | 2.2 |
| 10°-20° | 435.2 | 6.1 |
| 20°-30° | 611.2 | 8.6 |
| 30°-40° | 666.5 | 9.4 |
| 40°-50° | 612.8 | 8.6 |
| 50°-60° | 481.3 | 6.8 |
| 60°-70° | 313.8 | 4.4 |
| 70°-80° | 161.8 | 2.3 |
| 80°-90° | 46.6 | 0.7 |
| 90°-100° | 207.5 | 2.9 |
| 100°-110° | 704.2 | 9.9 |
| 110°-120° | 748.1 | 10.5 |
| 120°-130° | 615.8 | 8.7 |
| 130°-140° | 494.5 | 7.0 |
| 140°-150° | 373.7 | 5.3 |
| 150°-160° | 262.6 | 3.7 |
| 160°-170° | 154.6 | 2.2 |
| 170°-180° | 50.3 | 0.7 |
| 0°-30° | 1204.9 | 17.0 |
| 0°-40° | 1871.4 | 26.4 |
| 0°-60° | 2965.4 | 41.8 |
| 0°-90° | 3487.7 | 49.1 |
| 90°-120° | 1659.8 | 23.4 |
| 90°-150° | 3143.8 | 44.3 |
| 90°-180° | 3611.0 | 50.9 |
| 0°-180° | 7099.0 | 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 | 14 | 34 | 32 | 33 | 5 |
| 95° | 35 | 86 | 391 | 148 | 114 | 37 |
| 105° | 122 | 184 | 740 | 1322 | 1125 | 129 |
| 115° | 215 | 271 | 619 | 1277 | 1480 | 213 |
| 125° | 299 | 354 | 595 | 1034 | 1201 | 266 |
| 135° | 351 | 419 | 588 | 869 | 995 | 271 |
| 145° | 401 | 461 | 585 | 726 | 794 | 252 |
| 155° | 456 | 492 | 568 | 642 | 668 | 210 |
| 165° | 497 | 512 | 544 | 577 | 586 | 140 |
| 175° | 518 | 518 | 523 | 530 | 528 | 49 |
| 180° | 519 | 519 | 519 | 519 | 519 | |



TEST NUMBER: P331758

CATALOG NUMBER: S122RDIP-S1005D925U835-4F0-1E-UDD-F4

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 | 18.2 | 16.9 | 15.1 | 13.3 | 12.8 | 13.8 | 15.2 | 16.4 | 16.6 | 16.1 |
| 90° | 1.0 | 4.0 | 8.0 | 10.0 | 12.0 | 15.0 | 20.0 | 26.9 | 32.9 | 33.9 | 32.9 |
| 92.5° | 12.2 | 17.6 | 24.8 | 29.1 | 35.9 | 45.3 | 67.9 | 99.6 | 127.9 | 129.7 | 109.6 |
| 95° | 34.9 | 38.9 | 48.9 | 57.9 | 73.9 | 97.8 | 143.7 | 230.5 | 346.3 | 391.2 | 342.3 |
| 97.5° | 56.9 | 62.3 | 72.9 | 86.4 | 104.8 | 131.9 | 189.6 | 310.6 | 503.0 | 667.9 | 700.6 |
| 100° | 76.8 | 79.8 | 88.8 | 104.8 | 124.8 | 152.7 | 205.6 | 327.4 | 542.9 | 788.4 | 932.2 |
| 102.5° | 95.2 | 97.4 | 106.4 | 122.4 | 143.1 | 171.1 | 220.0 | 328.2 | 527.8 | 792.4 | 1018.4 |
| 105° | 121.8 | 125.8 | 132.7 | 147.7 | 169.7 | 197.6 | 244.5 | 333.3 | 498.0 | 739.5 | 1005.0 |
| 107.5° | 150.5 | 153.7 | 160.5 | 174.3 | 196.0 | 224.2 | 269.7 | 347.1 | 483.2 | 682.9 | 917.4 |
| 110° | 169.7 | 173.7 | 179.6 | 192.6 | 213.6 | 242.5 | 286.4 | 358.3 | 480.1 | 655.7 | 862.3 |



TEST NUMBER: P331758

CATALOG NUMBER: S122RDIP-S1005D925U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 187.2 | 191.2 | 198.0 | 210.2 | 230.3 | 260.1 | 302.4 | 370.3 | 480.8 | 638.1 | 824.0 |
| 115° | 214.6 | 219.6 | 225.6 | 237.5 | 257.5 | 284.4 | 327.4 | 388.2 | 485.0 | 618.8 | 776.5 |
| 117.5° | 242.9 | 246.9 | 252.9 | 263.5 | 282.6 | 310.6 | 350.3 | 407.4 | 492.2 | 609.4 | 746.5 |
| 120° | 260.5 | 264.5 | 270.5 | 279.4 | 299.4 | 327.4 | 366.3 | 420.2 | 497.0 | 603.8 | 730.6 |
| 122.5° | 277.3 | 280.4 | 286.4 | 296.2 | 316.2 | 344.9 | 381.4 | 431.3 | 502.6 | 600.6 | 717.0 |
| 125° | 299.4 | 302.4 | 308.4 | 320.4 | 340.3 | 368.3 | 404.2 | 449.1 | 511.0 | 594.8 | 697.6 |
| 127.5° | 317.0 | 321.0 | 329.3 | 342.5 | 361.7 | 390.4 | 425.4 | 465.7 | 519.6 | 591.4 | 679.7 |
| 130° | 327.4 | 331.3 | 341.3 | 355.3 | 375.3 | 403.2 | 438.1 | 476.1 | 526.0 | 589.8 | 667.7 |
| 132.5° | 336.9 | 341.7 | 352.5 | 367.3 | 388.0 | 416.0 | 449.3 | 486.4 | 532.3 | 589.0 | 658.1 |
| 135° | 351.3 | 355.3 | 367.3 | 382.2 | 405.2 | 433.1 | 465.1 | 500.0 | 539.9 | 587.8 | 644.7 |
| 137.5° | 364.9 | 369.7 | 381.6 | 397.6 | 420.4 | 446.3 | 477.9 | 510.4 | 546.7 | 587.6 | 635.3 |
| 140° | 375.3 | 379.3 | 391.2 | 407.2 | 429.2 | 455.1 | 485.0 | 516.0 | 549.9 | 586.8 | 629.8 |
| 142.5° | 385.6 | 388.8 | 400.0 | 416.0 | 437.1 | 461.5 | 490.6 | 520.8 | 552.3 | 586.8 | 624.2 |
| 145° | 401.2 | 405.2 | 415.2 | 430.2 | 450.1 | 472.1 | 499.0 | 527.0 | 554.9 | 584.8 | 616.8 |
| 147.5° | 418.0 | 421.0 | 430.5 | 444.3 | 460.9 | 480.5 | 505.8 | 530.4 | 555.7 | 581.3 | 609.2 |
| 150° | 429.2 | 432.1 | 440.1 | 453.1 | 468.1 | 486.0 | 509.0 | 531.9 | 554.9 | 578.9 | 602.8 |
| 152.5° | 440.3 | 441.7 | 449.7 | 461.1 | 475.3 | 491.6 | 512.2 | 532.7 | 553.3 | 574.9 | 597.2 |
| 155° | 456.1 | 457.1 | 463.1 | 474.1 | 485.0 | 500.0 | 517.0 | 533.9 | 550.9 | 567.9 | 586.8 |
| 157.5° | 469.3 | 470.3 | 475.1 | 484.6 | 493.4 | 506.0 | 520.4 | 533.9 | 546.3 | 560.7 | 577.1 |
| 160° | 478.1 | 479.1 | 483.0 | 491.0 | 499.0 | 510.0 | 522.0 | 533.9 | 543.9 | 555.9 | 569.9 |
| 162.5° | 486.8 | 486.2 | 490.2 | 496.6 | 503.8 | 512.4 | 522.8 | 533.1 | 541.5 | 551.9 | 563.5 |
| 165° | 497.0 | 496.0 | 498.0 | 504.0 | 509.0 | 515.0 | 524.0 | 531.0 | 536.9 | 543.9 | 552.9 |
| 167.5° | 505.4 | 504.2 | 506.0 | 509.8 | 513.4 | 517.2 | 523.8 | 529.6 | 532.3 | 536.9 | 542.5 |
| 170° | 511.0 | 509.0 | 510.0 | 513.0 | 515.0 | 518.0 | 523.0 | 528.0 | 530.0 | 532.9 | 536.9 |
| 172.5° | 514.2 | 513.0 | 512.4 | 515.4 | 516.6 | 518.8 | 522.2 | 525.6 | 526.8 | 528.2 | 531.4 |
| 175° | 518.0 | 517.0 | 516.0 | 518.0 | 518.0 | 519.0 | 521.0 | 523.0 | 522.0 | 523.0 | 524.0 |
| 177.5° | 519.8 | 518.2 | 517.4 | 519.0 | 519.0 | 519.0 | 519.8 | 521.4 | 519.8 | 519.0 | 519.8 |
| 180° | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |



TEST NUMBER: P331758

CATALOG NUMBER: S122RDIP-S1005D925U835-4F0-1E-UDD-F4

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° | 15.7 | 15.0 | 15.1 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 90° | 31.9 | 29.9 | 31.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 |
| 92.5° | 87.0 | 74.7 | 66.3 | 60.1 | 59.3 | 56.1 | 56.9 | 55.3 |
| 95° | 261.5 | 200.6 | 158.7 | 136.7 | 123.8 | 115.8 | 112.8 | 113.8 |
| 97.5° | 610.2 | 499.2 | 391.2 | 319.2 | 271.5 | 246.9 | 232.3 | 224.0 |
| 100° | 911.2 | 787.4 | 650.7 | 530.0 | 447.1 | 404.2 | 375.3 | 357.3 |
| 102.5° | 1108.4 | 1080.5 | 980.5 | 852.5 | 762.5 | 689.2 | 653.1 | 628.8 |
| 105° | 1212.6 | 1325.4 | 1338.4 | 1305.4 | 1243.5 | 1181.7 | 1138.7 | 1124.8 |
| 107.5° | 1137.6 | 1307.4 | 1411.2 | 1459.5 | 1467.3 | 1463.9 | 1455.3 | 1436.8 |
| 110° | 1072.9 | 1251.5 | 1379.3 | 1461.1 | 1504.0 | 1523.0 | 1532.0 | 1531.0 |



TEST NUMBER: P331758

CATALOG NUMBER: S122RDIP-S1005D925U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1013.8 | 1185.3 | 1321.8 | 1415.6 | 1475.3 | 1507.0 | 1524.0 | 1529.4 |
| 115° | 941.1 | 1094.8 | 1225.6 | 1328.4 | 1399.2 | 1445.1 | 1471.1 | 1480.1 |
| 117.5° | 886.4 | 1021.4 | 1139.9 | 1236.4 | 1308.6 | 1357.1 | 1384.5 | 1392.0 |
| 120° | 859.3 | 983.1 | 1088.8 | 1179.7 | 1249.5 | 1296.4 | 1325.4 | 1335.4 |
| 122.5° | 837.7 | 951.1 | 1051.3 | 1133.4 | 1196.0 | 1242.1 | 1267.9 | 1276.3 |
| 125° | 806.4 | 909.2 | 997.0 | 1071.9 | 1129.8 | 1167.7 | 1192.6 | 1200.6 |
| 127.5° | 775.5 | 868.5 | 951.3 | 1020.4 | 1070.9 | 1106.4 | 1128.0 | 1134.4 |
| 130° | 755.5 | 841.3 | 920.2 | 986.1 | 1035.0 | 1068.9 | 1088.8 | 1096.8 |
| 132.5° | 736.3 | 815.8 | 888.2 | 950.1 | 998.2 | 1032.2 | 1050.5 | 1057.7 |
| 135° | 709.6 | 775.5 | 841.3 | 897.2 | 940.1 | 973.1 | 991.0 | 995.0 |
| 137.5° | 688.2 | 743.3 | 795.6 | 844.3 | 883.5 | 911.8 | 927.6 | 933.6 |
| 140° | 674.7 | 722.6 | 768.5 | 812.4 | 844.3 | 870.3 | 885.3 | 891.2 |
| 142.5° | 663.5 | 704.2 | 743.7 | 780.5 | 810.8 | 834.4 | 847.7 | 848.9 |
| 145° | 647.7 | 680.7 | 711.6 | 740.5 | 764.5 | 781.5 | 791.4 | 794.4 |
| 147.5° | 635.5 | 661.5 | 685.6 | 706.8 | 726.6 | 740.1 | 746.9 | 748.7 |
| 150° | 626.8 | 648.7 | 669.7 | 687.6 | 702.6 | 714.6 | 720.6 | 721.6 |
| 152.5° | 618.0 | 638.3 | 656.1 | 671.7 | 683.4 | 693.8 | 698.2 | 698.4 |
| 155° | 605.8 | 621.8 | 636.7 | 647.7 | 658.7 | 665.7 | 669.7 | 667.7 |
| 157.5° | 591.6 | 605.0 | 617.6 | 626.2 | 633.9 | 639.7 | 641.5 | 641.5 |
| 160° | 582.8 | 593.8 | 604.8 | 611.8 | 618.8 | 623.8 | 624.8 | 624.8 |
| 162.5° | 574.1 | 583.4 | 592.8 | 598.2 | 605.2 | 608.6 | 609.6 | 608.8 |
| 165° | 560.9 | 567.9 | 574.9 | 578.9 | 582.8 | 586.8 | 586.8 | 585.8 |
| 167.5° | 548.3 | 553.7 | 558.5 | 562.1 | 563.9 | 566.1 | 565.9 | 564.7 |
| 170° | 541.9 | 544.9 | 548.9 | 550.9 | 551.9 | 554.9 | 553.9 | 551.9 |
| 172.5° | 534.7 | 536.9 | 540.1 | 541.3 | 542.3 | 543.7 | 542.7 | 541.5 |
| 175° | 527.0 | 528.0 | 529.0 | 530.0 | 530.0 | 531.0 | 530.0 | 528.0 |
| 177.5° | 521.4 | 521.4 | 522.2 | 522.2 | 522.2 | 522.2 | 521.4 | 519.8 |
| 180° | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |

(END OF REPORT)