

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: P331762

Luminaire Tested: **S122RDIP-S1005D1080U835-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331762
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIP-S1005D1080U835-4F0-1E-UDD-F
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1080 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7791.9 lumens
Efficiency: N/A
Efficacy: 108.7 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

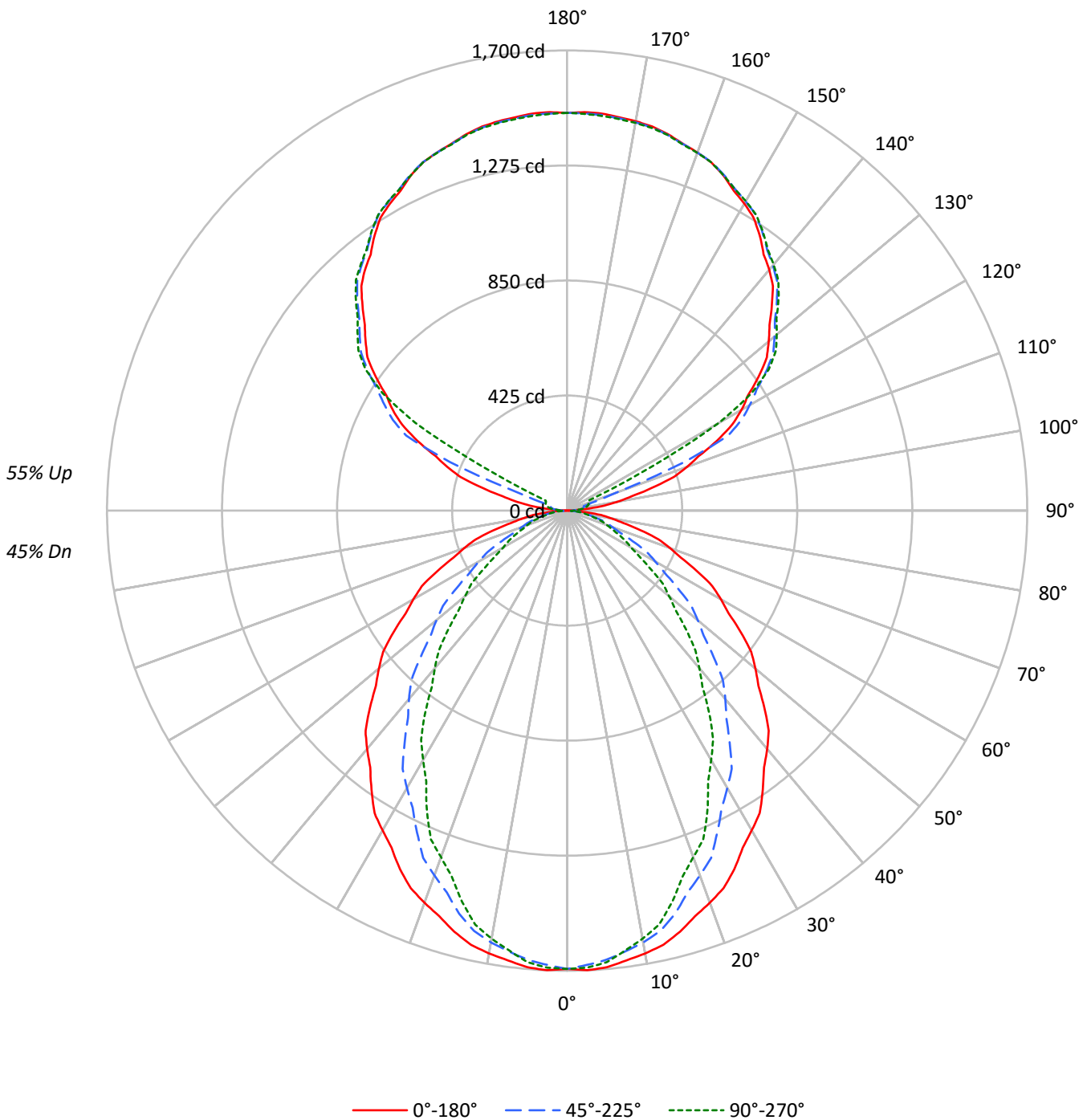
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331762

CATALOG NUMBER: S122RDIP-S1005D1080U835-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P331762

CATALOG NUMBER: S122RDIP-S1005D1080U835-4F0-1E-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 45 | | | | |
| 1 | 97 | 93 | 89 | 86 | 89 | 85 | 82 | 79 | 71 | 69 | 67 | 58 | 57 | 55 | 46 | 45 | 44 | 39 | | | | |
| 2 | 89 | 82 | 76 | 71 | 81 | 75 | 70 | 66 | 63 | 59 | 56 | 51 | 49 | 47 | 41 | 39 | 38 | 33 | | | | |
| 3 | 81 | 72 | 65 | 59 | 74 | 66 | 60 | 55 | 56 | 51 | 48 | 46 | 43 | 40 | 37 | 35 | 33 | 28 | | | | |
| 4 | 74 | 64 | 56 | 51 | 68 | 59 | 52 | 47 | 50 | 45 | 41 | 41 | 38 | 35 | 33 | 31 | 29 | 25 | | | | |
| 5 | 68 | 57 | 49 | 44 | 63 | 53 | 46 | 41 | 45 | 40 | 36 | 37 | 33 | 30 | 30 | 27 | 25 | 22 | | | | |
| 6 | 63 | 51 | 44 | 38 | 58 | 48 | 41 | 36 | 40 | 35 | 31 | 34 | 30 | 27 | 27 | 25 | 22 | 19 | | | | |
| 7 | 58 | 47 | 39 | 33 | 54 | 43 | 36 | 32 | 37 | 31 | 28 | 31 | 27 | 24 | 25 | 22 | 20 | 17 | | | | |
| 8 | 54 | 42 | 35 | 30 | 50 | 39 | 33 | 28 | 34 | 28 | 25 | 28 | 24 | 21 | 23 | 20 | 18 | 16 | | | | |
| 9 | 51 | 39 | 31 | 27 | 46 | 36 | 30 | 25 | 31 | 26 | 22 | 26 | 22 | 19 | 21 | 19 | 16 | 14 | | | | |
| 10 | 47 | 36 | 29 | 24 | 43 | 33 | 27 | 23 | 28 | 23 | 20 | 24 | 20 | 17 | 20 | 17 | 15 | 13 | | | | |

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: P331762

CATALOG NUMBER: S122RDIP-S1005D1080U835-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 158.5 | 2.0 |
| 10°-20° | 435.2 | 5.6 |
| 20°-30° | 611.2 | 7.8 |
| 30°-40° | 666.5 | 8.6 |
| 40°-50° | 612.8 | 7.9 |
| 50°-60° | 481.3 | 6.2 |
| 60°-70° | 313.8 | 4.0 |
| 70°-80° | 161.8 | 2.1 |
| 80°-90° | 45.6 | 0.6 |
| 90°-100° | 49.0 | 0.6 |
| 100°-110° | 179.7 | 2.3 |
| 110°-120° | 480.4 | 6.2 |
| 120°-130° | 793.0 | 10.2 |
| 130°-140° | 843.3 | 10.8 |
| 140°-150° | 783.8 | 10.1 |
| 150°-160° | 630.2 | 8.1 |
| 160°-170° | 406.1 | 5.2 |
| 170°-180° | 139.8 | 1.8 |
| 0°-30° | 1204.9 | 15.5 |
| 0°-40° | 1871.4 | 24.0 |
| 0°-60° | 2965.4 | 38.1 |
| 0°-90° | 3486.6 | 44.7 |
| 90°-120° | 709.1 | 9.1 |
| 90°-150° | 3129.2 | 40.2 |
| 90°-180° | 4305.0 | 55.2 |
| 0°-180° | 7791.9 | 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 | 13 | 21 | 26 | 29 | 6 |
| 95° | 69 | 36 | 42 | 46 | 46 | 85 |
| 105° | 323 | 337 | 65 | 76 | 81 | 345 |
| 115° | 611 | 630 | 656 | 187 | 87 | 602 |
| 125° | 864 | 878 | 898 | 906 | 909 | 770 |
| 135° | 1069 | 1086 | 1096 | 1106 | 1104 | 826 |
| 145° | 1241 | 1241 | 1258 | 1264 | 1260 | 776 |
| 155° | 1366 | 1358 | 1369 | 1375 | 1367 | 629 |
| 165° | 1439 | 1434 | 1436 | 1443 | 1436 | 406 |
| 175° | 1472 | 1465 | 1467 | 1473 | 1464 | 140 |
| 180° | 1469 | 1469 | 1469 | 1469 | 1469 | |



TEST NUMBER: P331762

CATALOG NUMBER: S122RDIP-S1005D1080U835-4F0-1E-UDD-F

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 | 16.5 | 14.8 | 13.2 | 12.5 | 12.9 | 13.3 | 13.7 | 14.1 | 14.0 |
| 90° | 1.1 | 3.7 | 6.3 | 8.9 | 11.5 | 13.7 | 15.6 | 17.5 | 19.4 | 21.3 | 22.4 |
| 92.5° | 21.5 | 21.2 | 21.0 | 20.8 | 20.5 | 20.9 | 21.8 | 22.8 | 23.7 | 24.7 | 25.3 |
| 95° | 69.1 | 61.3 | 53.5 | 45.7 | 37.9 | 34.8 | 36.5 | 38.2 | 39.8 | 41.5 | 42.6 |
| 97.5° | 137.1 | 115.2 | 93.2 | 71.2 | 49.3 | 40.2 | 44.0 | 47.8 | 51.7 | 55.5 | 56.4 |
| 100° | 188.2 | 155.8 | 123.4 | 91.1 | 58.7 | 44.5 | 48.5 | 52.6 | 56.6 | 60.6 | 62.5 |
| 102.5° | 244.3 | 237.4 | 230.6 | 223.7 | 216.9 | 196.7 | 163.1 | 129.5 | 95.9 | 62.3 | 64.8 |
| 105° | 323.2 | 330.3 | 337.3 | 344.4 | 351.5 | 322.8 | 258.3 | 193.8 | 129.3 | 64.8 | 67.4 |
| 107.5° | 413.1 | 418.8 | 424.5 | 430.2 | 436.0 | 400.2 | 322.8 | 245.5 | 168.1 | 90.8 | 88.1 |
| 110° | 470.9 | 475.9 | 480.9 | 485.8 | 490.8 | 459.1 | 390.8 | 322.6 | 254.3 | 186.0 | 162.4 |



TEST NUMBER: P331762

CATALOG NUMBER: S122RDIP-S1005D1080U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 525.4 | 529.8 | 534.1 | 538.5 | 542.9 | 536.7 | 519.8 | 503.0 | 486.1 | 469.2 | 383.1 |
| 115° | 611.3 | 615.3 | 619.3 | 623.3 | 627.3 | 632.3 | 638.2 | 644.1 | 650.0 | 655.9 | 546.5 |
| 117.5° | 688.0 | 692.5 | 697.0 | 701.5 | 706.0 | 710.2 | 714.3 | 718.4 | 722.4 | 726.5 | 700.0 |
| 120° | 744.1 | 747.7 | 751.2 | 754.8 | 758.3 | 762.2 | 766.5 | 770.7 | 775.0 | 779.2 | 782.0 |
| 122.5° | 791.8 | 795.5 | 799.2 | 803.0 | 806.7 | 810.9 | 815.5 | 820.1 | 824.8 | 829.4 | 831.1 |
| 125° | 864.3 | 867.3 | 870.4 | 873.5 | 876.5 | 880.3 | 884.8 | 889.3 | 893.8 | 898.3 | 899.9 |
| 127.5° | 930.0 | 933.4 | 936.8 | 940.2 | 943.6 | 946.9 | 950.3 | 953.6 | 957.0 | 960.4 | 962.8 |
| 130° | 971.6 | 975.4 | 979.2 | 983.0 | 986.7 | 989.9 | 992.5 | 995.1 | 997.7 | 1000.3 | 1002.9 |
| 132.5° | 1014.1 | 1017.4 | 1020.6 | 1023.8 | 1027.0 | 1029.9 | 1032.5 | 1035.1 | 1037.7 | 1040.3 | 1042.5 |
| 135° | 1069.4 | 1073.2 | 1077.0 | 1080.8 | 1084.5 | 1087.5 | 1089.6 | 1091.7 | 1093.9 | 1096.0 | 1098.4 |
| 137.5° | 1125.3 | 1128.0 | 1130.6 | 1133.3 | 1135.9 | 1138.4 | 1140.9 | 1143.3 | 1145.7 | 1148.1 | 1150.4 |
| 140° | 1161.9 | 1163.8 | 1165.7 | 1167.6 | 1169.5 | 1171.7 | 1174.3 | 1176.9 | 1179.5 | 1182.1 | 1184.2 |
| 142.5° | 1192.5 | 1194.2 | 1195.9 | 1197.6 | 1199.3 | 1201.7 | 1204.6 | 1207.6 | 1210.6 | 1213.6 | 1215.5 |
| 145° | 1240.6 | 1240.3 | 1240.1 | 1239.9 | 1239.6 | 1241.5 | 1245.5 | 1249.5 | 1253.6 | 1257.6 | 1259.2 |
| 147.5° | 1282.5 | 1281.6 | 1280.7 | 1279.8 | 1278.9 | 1280.4 | 1284.4 | 1288.3 | 1292.3 | 1296.3 | 1297.5 |
| 150° | 1309.7 | 1308.0 | 1306.4 | 1304.7 | 1303.1 | 1304.1 | 1307.9 | 1311.7 | 1315.5 | 1319.2 | 1320.7 |
| 152.5° | 1332.6 | 1330.8 | 1328.9 | 1327.1 | 1325.3 | 1326.1 | 1329.7 | 1333.3 | 1336.9 | 1340.5 | 1341.9 |
| 155° | 1366.0 | 1363.9 | 1361.8 | 1359.6 | 1357.5 | 1357.9 | 1360.7 | 1363.5 | 1366.4 | 1369.2 | 1370.6 |
| 157.5° | 1392.2 | 1390.4 | 1388.6 | 1386.8 | 1385.0 | 1385.1 | 1387.1 | 1389.0 | 1391.0 | 1393.0 | 1394.6 |
| 160° | 1407.5 | 1406.1 | 1404.6 | 1403.2 | 1401.8 | 1401.8 | 1403.2 | 1404.6 | 1406.1 | 1407.5 | 1408.9 |
| 162.5° | 1421.1 | 1419.7 | 1418.2 | 1416.8 | 1415.4 | 1415.3 | 1416.5 | 1417.8 | 1419.0 | 1420.2 | 1421.8 |
| 165° | 1439.4 | 1437.9 | 1436.5 | 1435.1 | 1433.7 | 1433.3 | 1434.0 | 1434.8 | 1435.5 | 1436.2 | 1437.8 |
| 167.5° | 1453.0 | 1451.6 | 1450.1 | 1448.7 | 1447.3 | 1446.9 | 1447.6 | 1448.2 | 1448.9 | 1449.6 | 1451.2 |
| 170° | 1460.6 | 1459.2 | 1457.8 | 1456.4 | 1455.0 | 1454.5 | 1455.0 | 1455.4 | 1455.9 | 1456.4 | 1458.0 |
| 172.5° | 1465.7 | 1464.3 | 1462.9 | 1461.5 | 1460.1 | 1459.6 | 1460.1 | 1460.5 | 1461.0 | 1461.5 | 1463.1 |
| 175° | 1472.3 | 1470.7 | 1469.0 | 1467.4 | 1465.7 | 1465.1 | 1465.6 | 1466.1 | 1466.5 | 1467.0 | 1468.7 |
| 177.5° | 1473.4 | 1472.1 | 1470.7 | 1469.4 | 1468.1 | 1467.5 | 1467.7 | 1467.9 | 1468.1 | 1468.3 | 1469.6 |
| 180° | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 |



TEST NUMBER: P331762

CATALOG NUMBER: S122RDIP-S1005D1080U835-4F0-1E-UDD-F

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° | 14.0 | 14.0 | 13.9 | 13.9 | 14.0 | 14.1 | 14.2 | 14.3 |
| 90° | 23.6 | 24.8 | 26.0 | 26.8 | 27.3 | 27.8 | 28.2 | 28.7 |
| 92.5° | 25.9 | 26.5 | 27.1 | 27.6 | 27.9 | 28.1 | 28.4 | 28.7 |
| 95° | 43.8 | 45.0 | 46.2 | 46.7 | 46.4 | 46.2 | 45.9 | 45.7 |
| 97.5° | 57.4 | 58.3 | 59.3 | 59.9 | 60.2 | 60.5 | 60.7 | 61.0 |
| 100° | 64.4 | 66.3 | 68.2 | 69.3 | 69.8 | 70.3 | 70.8 | 71.2 |
| 102.5° | 67.2 | 69.7 | 72.1 | 73.7 | 74.3 | 75.0 | 75.7 | 76.3 |
| 105° | 70.0 | 72.6 | 75.2 | 77.0 | 78.0 | 78.9 | 79.8 | 80.8 |
| 107.5° | 85.5 | 82.8 | 80.2 | 79.4 | 80.3 | 81.2 | 82.2 | 83.1 |
| 110° | 138.8 | 115.2 | 91.5 | 80.2 | 81.1 | 82.1 | 83.0 | 84.0 |



TEST NUMBER: P331762

CATALOG NUMBER: S122RDIP-S1005D1080U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 296.9 | 210.7 | 124.5 | 81.8 | 82.6 | 83.3 | 84.1 | 84.8 |
| 115° | 437.1 | 327.8 | 218.4 | 155.2 | 138.2 | 121.2 | 104.2 | 87.2 |
| 117.5° | 673.6 | 647.1 | 620.7 | 579.5 | 523.6 | 467.7 | 411.8 | 355.9 |
| 120° | 784.9 | 787.7 | 790.6 | 776.0 | 744.1 | 712.2 | 680.3 | 648.5 |
| 122.5° | 832.8 | 834.5 | 836.2 | 833.9 | 827.8 | 821.6 | 815.4 | 809.2 |
| 125° | 901.6 | 903.2 | 904.9 | 906.1 | 906.8 | 907.5 | 908.2 | 908.9 |
| 127.5° | 965.2 | 967.6 | 970.0 | 971.3 | 971.4 | 971.6 | 971.7 | 971.8 |
| 130° | 1005.5 | 1008.1 | 1010.7 | 1011.9 | 1011.7 | 1011.4 | 1011.2 | 1011.0 |
| 132.5° | 1044.7 | 1047.0 | 1049.2 | 1050.2 | 1049.9 | 1049.7 | 1049.5 | 1049.2 |
| 135° | 1100.7 | 1103.1 | 1105.4 | 1106.4 | 1105.9 | 1105.4 | 1105.0 | 1104.5 |
| 137.5° | 1152.7 | 1155.0 | 1157.3 | 1158.1 | 1157.3 | 1156.5 | 1155.7 | 1154.9 |
| 140° | 1186.4 | 1188.5 | 1190.6 | 1191.1 | 1189.9 | 1188.7 | 1187.5 | 1186.4 |
| 142.5° | 1217.4 | 1219.4 | 1221.3 | 1221.7 | 1220.5 | 1219.3 | 1218.2 | 1217.0 |
| 145° | 1260.9 | 1262.5 | 1264.2 | 1264.4 | 1263.3 | 1262.1 | 1260.9 | 1259.7 |
| 147.5° | 1298.7 | 1300.0 | 1301.2 | 1301.3 | 1300.3 | 1299.3 | 1298.3 | 1297.3 |
| 150° | 1322.1 | 1323.5 | 1324.9 | 1325.0 | 1323.8 | 1322.7 | 1321.5 | 1320.3 |
| 152.5° | 1343.3 | 1344.8 | 1346.2 | 1346.1 | 1344.5 | 1343.0 | 1341.4 | 1339.9 |
| 155° | 1372.0 | 1373.5 | 1374.9 | 1374.6 | 1372.7 | 1370.9 | 1369.0 | 1367.1 |
| 157.5° | 1396.2 | 1397.8 | 1399.4 | 1399.3 | 1397.5 | 1395.6 | 1393.8 | 1391.9 |
| 160° | 1410.3 | 1411.7 | 1413.1 | 1413.0 | 1411.4 | 1409.7 | 1408.1 | 1406.4 |
| 162.5° | 1423.4 | 1425.0 | 1426.7 | 1426.4 | 1424.4 | 1422.4 | 1420.3 | 1418.3 |
| 165° | 1439.5 | 1441.1 | 1442.8 | 1442.8 | 1441.1 | 1439.5 | 1437.8 | 1436.2 |
| 167.5° | 1452.9 | 1454.5 | 1456.2 | 1455.9 | 1453.8 | 1451.7 | 1449.6 | 1447.4 |
| 170° | 1459.7 | 1461.3 | 1463.0 | 1462.7 | 1460.6 | 1458.5 | 1456.4 | 1454.2 |
| 172.5° | 1464.8 | 1466.4 | 1468.1 | 1467.9 | 1465.7 | 1463.6 | 1461.5 | 1459.3 |
| 175° | 1470.3 | 1472.0 | 1473.6 | 1473.3 | 1470.9 | 1468.5 | 1466.2 | 1463.8 |
| 177.5° | 1470.9 | 1472.2 | 1473.6 | 1473.4 | 1471.7 | 1470.0 | 1468.3 | 1466.6 |
| 180° | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 |

(END OF REPORT)