

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: P332382-940

Luminaire Tested: **S123RDIP-S1165D1025U940-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332382-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1165D1025U940-4F0-1E-UDD-F1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1025 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7047.2 lumens
Efficiency: N/A
Efficacy: 105.5 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

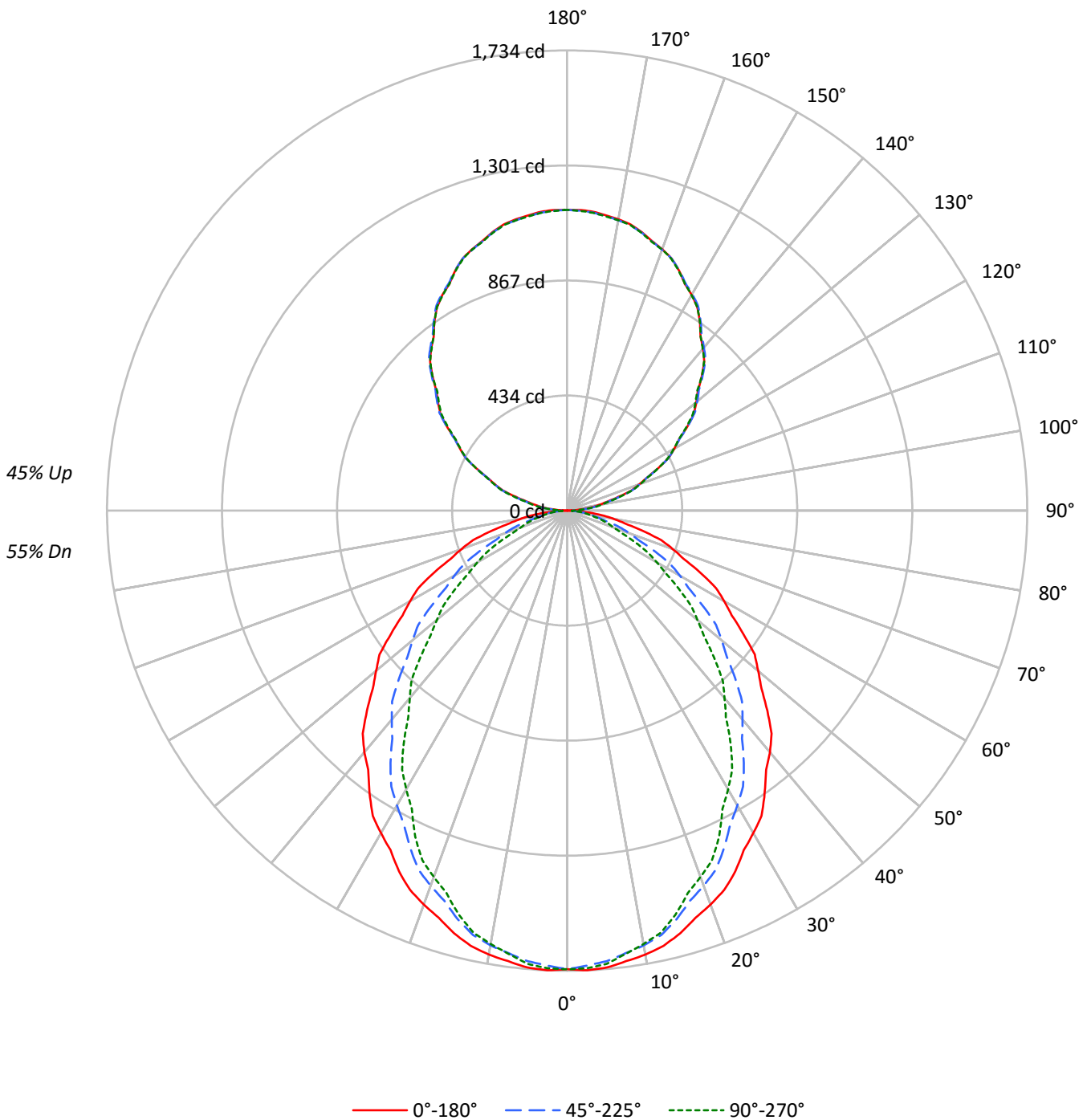
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332382-940

CATALOG NUMBER: S123RDIP-S1165D1025U940-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332382-940

CATALOG NUMBER: S123RDIP-S1165D1025U940-4F0-1E-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 | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 55 |
| 1 | 99 | 95 | 91 | 88 | 92 | 89 | 85 | 82 | 76 | 74 | 72 | 65 | 63 | 62 | 55 | 53 | 52 | 47 |
| 2 | 91 | 83 | 77 | 72 | 84 | 78 | 73 | 68 | 67 | 63 | 60 | 58 | 55 | 52 | 48 | 46 | 45 | 40 |
| 3 | 83 | 74 | 66 | 61 | 77 | 69 | 62 | 57 | 60 | 55 | 51 | 51 | 48 | 44 | 43 | 41 | 38 | 35 |
| 4 | 76 | 65 | 58 | 52 | 71 | 61 | 54 | 49 | 53 | 48 | 44 | 46 | 42 | 38 | 39 | 36 | 33 | 30 |
| 5 | 70 | 59 | 50 | 45 | 65 | 55 | 48 | 42 | 48 | 42 | 38 | 41 | 37 | 33 | 35 | 32 | 29 | 26 |
| 6 | 65 | 53 | 45 | 39 | 60 | 49 | 42 | 37 | 43 | 37 | 33 | 37 | 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 | 23 | 21 | 19 |
| 9 | 52 | 40 | 32 | 27 | 48 | 37 | 31 | 26 | 33 | 27 | 24 | 29 | 24 | 21 | 25 | 21 | 19 | 17 |
| 10 | 49 | 36 | 29 | 24 | 45 | 34 | 28 | 23 | 30 | 25 | 21 | 27 | 22 | 19 | 23 | 20 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 18603 | 18603 | 18603 |
| 5° | 18674 | 18416 | 18522 |
| 10° | 18569 | 18185 | 18124 |
| 15° | 18369 | 17761 | 17572 |
| 20° | 18095 | 17228 | 16827 |
| 25° | 17813 | 16631 | 16098 |
| 30° | 17439 | 15940 | 15070 |
| 35° | 17056 | 15251 | 14127 |
| 40° | 16703 | 14436 | 12960 |
| 45° | 16238 | 13633 | 11905 |
| 50° | 15726 | 12722 | 10727 |
| 55° | 15204 | 11678 | 9627 |
| 60° | 14725 | 10562 | 8420 |
| 65° | 14103 | 9352 | 7210 |
| 70° | 13322 | 7852 | 5822 |
| 75° | 12181 | 6180 | 5481 |
| 80° | 10860 | 5473 | 5040 |
| 85° | 9176 | 4841 | 4508 |



TEST NUMBER: P332382-940

CATALOG NUMBER: S123RDIP-S1165D1025U940-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 162.3 | 2.3 |
| 10°-20° | 451.6 | 6.4 |
| 20°-30° | 650.2 | 9.2 |
| 30°-40° | 732.4 | 10.4 |
| 40°-50° | 700.7 | 9.9 |
| 50°-60° | 573.8 | 8.1 |
| 60°-70° | 387.1 | 5.5 |
| 70°-80° | 194.8 | 2.8 |
| 80°-90° | 54.9 | 0.8 |
| 90°-100° | 73.8 | 1.0 |
| 100°-110° | 220.9 | 3.1 |
| 110°-120° | 375.8 | 5.3 |
| 120°-130° | 494.3 | 7.0 |
| 130°-140° | 555.6 | 7.9 |
| 140°-150° | 546.1 | 7.7 |
| 150°-160° | 459.7 | 6.5 |
| 160°-170° | 306.0 | 4.3 |
| 170°-180° | 107.2 | 1.5 |
| 0°-30° | 1264.1 | 17.9 |
| 0°-40° | 1996.5 | 28.3 |
| 0°-60° | 3270.9 | 46.4 |
| 0°-90° | 3907.7 | 55.5 |
| 90°-120° | 670.6 | 9.5 |
| 90°-150° | 2266.5 | 32.2 |
| 90°-180° | 3139.0 | 44.5 |
| 0°-180° | 7047.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1728 | 1728 | 1728 | 1728 | 1728 | |
| 5° | 1728 | 1721 | 1704 | 1716 | 1714 | 164 |
| 15° | 1648 | 1632 | 1594 | 1587 | 1577 | 464 |
| 25° | 1500 | 1463 | 1400 | 1372 | 1355 | 689 |
| 35° | 1298 | 1246 | 1161 | 1102 | 1075 | 812 |
| 45° | 1067 | 1001 | 896 | 818 | 782 | 823 |
| 55° | 810 | 739 | 622 | 544 | 513 | 726 |
| 65° | 554 | 475 | 367 | 302 | 283 | 548 |
| 75° | 293 | 225 | 149 | 135 | 132 | 312 |
| 85° | 74 | 45 | 39 | 37 | 36 | 83 |
| 90° | 1 | 10 | 21 | 25 | 27 | 7 |
| 95° | 52 | 59 | 66 | 69 | 70 | 59 |
| 105° | 200 | 202 | 210 | 210 | 212 | 214 |
| 115° | 378 | 381 | 379 | 380 | 379 | 374 |
| 125° | 554 | 556 | 555 | 551 | 547 | 494 |
| 135° | 718 | 723 | 723 | 719 | 718 | 553 |
| 145° | 871 | 873 | 876 | 875 | 871 | 544 |
| 155° | 998 | 998 | 999 | 1002 | 996 | 459 |
| 165° | 1087 | 1084 | 1084 | 1089 | 1083 | 306 |
| 175° | 1130 | 1127 | 1127 | 1132 | 1126 | 107 |
| 180° | 1133 | 1133 | 1133 | 1133 | 1133 | |



TEST NUMBER: P332382-940

CATALOG NUMBER: S123RDIP-S1165D1025U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1728.3 | 1728.3 | 1728.3 | 1728.3 | 1728.3 | 1728.3 | 1728.3 | 1728.3 | 1728.3 | 1728.3 | 1728.3 |
| 2.5° | 1733.9 | 1732.9 | 1731.9 | 1730.9 | 1729.9 | 1727.9 | 1724.9 | 1721.9 | 1719.0 | 1715.9 | 1718.7 |
| 5° | 1728.3 | 1726.7 | 1725.2 | 1723.6 | 1722.1 | 1719.4 | 1715.7 | 1711.9 | 1708.2 | 1704.4 | 1707.3 |
| 7.5° | 1712.3 | 1710.7 | 1709.0 | 1707.3 | 1705.6 | 1702.3 | 1697.5 | 1692.6 | 1687.7 | 1682.8 | 1684.4 |
| 10° | 1698.9 | 1696.7 | 1694.5 | 1692.3 | 1690.1 | 1686.2 | 1680.6 | 1675.0 | 1669.4 | 1663.8 | 1664.1 |
| 12.5° | 1679.8 | 1677.4 | 1674.9 | 1672.5 | 1670.1 | 1665.4 | 1658.6 | 1651.7 | 1644.8 | 1638.0 | 1637.8 |
| 15° | 1648.4 | 1644.9 | 1641.6 | 1638.1 | 1634.7 | 1628.6 | 1619.9 | 1611.1 | 1602.4 | 1593.8 | 1592.1 |
| 17.5° | 1608.8 | 1604.9 | 1600.9 | 1596.9 | 1593.0 | 1585.4 | 1574.3 | 1563.2 | 1552.1 | 1541.1 | 1537.8 |
| 20° | 1579.7 | 1574.8 | 1569.8 | 1564.8 | 1559.8 | 1551.4 | 1539.5 | 1527.7 | 1515.8 | 1504.0 | 1499.9 |
| 22.5° | 1547.2 | 1541.4 | 1535.7 | 1530.0 | 1524.3 | 1515.1 | 1502.5 | 1490.0 | 1477.4 | 1464.7 | 1459.7 |
| 25° | 1499.8 | 1492.0 | 1484.3 | 1476.4 | 1468.6 | 1457.6 | 1443.2 | 1429.0 | 1414.6 | 1400.3 | 1393.7 |
| 27.5° | 1442.3 | 1433.8 | 1425.1 | 1416.6 | 1407.9 | 1395.7 | 1379.7 | 1363.8 | 1347.8 | 1331.9 | 1322.8 |
| 30° | 1403.1 | 1393.7 | 1384.4 | 1375.0 | 1365.7 | 1352.3 | 1334.9 | 1317.4 | 1300.0 | 1282.5 | 1271.9 |
| 32.5° | 1363.9 | 1353.3 | 1342.6 | 1332.0 | 1321.5 | 1307.0 | 1288.5 | 1270.1 | 1251.6 | 1233.2 | 1221.6 |
| 35° | 1298.0 | 1286.7 | 1275.5 | 1264.4 | 1253.1 | 1237.9 | 1218.5 | 1199.3 | 1179.9 | 1160.6 | 1147.2 |
| 37.5° | 1231.3 | 1218.8 | 1206.3 | 1193.8 | 1181.4 | 1164.8 | 1144.2 | 1123.6 | 1103.0 | 1082.4 | 1067.2 |
| 40° | 1188.7 | 1174.9 | 1161.2 | 1147.5 | 1133.8 | 1115.9 | 1093.8 | 1071.7 | 1049.5 | 1027.4 | 1011.2 |
| 42.5° | 1140.4 | 1126.7 | 1113.0 | 1099.3 | 1085.6 | 1067.3 | 1044.5 | 1021.5 | 998.7 | 975.9 | 958.1 |
| 45° | 1066.7 | 1052.7 | 1038.7 | 1024.7 | 1010.6 | 991.6 | 967.6 | 943.6 | 919.6 | 895.6 | 877.9 |
| 47.5° | 992.9 | 977.6 | 962.2 | 946.8 | 931.4 | 911.7 | 887.7 | 863.7 | 839.7 | 815.8 | 796.5 |
| 50° | 939.1 | 924.5 | 909.8 | 895.2 | 880.6 | 860.7 | 835.4 | 810.2 | 785.0 | 759.7 | 740.4 |
| 52.5° | 890.9 | 875.0 | 859.2 | 843.3 | 827.3 | 806.9 | 781.9 | 757.0 | 732.0 | 707.0 | 687.0 |
| 55° | 810.2 | 794.9 | 779.6 | 764.4 | 749.1 | 728.3 | 701.8 | 675.3 | 648.8 | 622.3 | 604.3 |
| 57.5° | 735.6 | 719.0 | 702.3 | 685.7 | 669.1 | 647.5 | 620.9 | 594.2 | 567.7 | 541.1 | 524.0 |
| 60° | 684.0 | 666.9 | 649.8 | 632.7 | 615.5 | 594.0 | 568.1 | 542.3 | 516.5 | 490.6 | 473.8 |
| 62.5° | 632.4 | 615.3 | 598.2 | 581.0 | 563.9 | 542.4 | 516.6 | 490.7 | 464.8 | 439.0 | 423.2 |
| 65° | 553.7 | 536.5 | 519.4 | 502.3 | 485.2 | 464.4 | 440.1 | 415.8 | 391.6 | 367.2 | 352.0 |
| 67.5° | 474.9 | 457.5 | 440.2 | 422.9 | 405.6 | 385.3 | 362.0 | 338.7 | 315.4 | 292.1 | 280.7 |
| 70° | 423.3 | 406.5 | 389.7 | 372.8 | 356.1 | 336.7 | 315.0 | 293.1 | 271.3 | 249.5 | 238.6 |
| 72.5° | 371.8 | 355.2 | 338.6 | 322.0 | 305.4 | 287.2 | 267.4 | 247.6 | 227.8 | 208.0 | 199.1 |
| 75° | 292.9 | 278.0 | 263.1 | 248.1 | 233.2 | 217.1 | 200.0 | 182.8 | 165.7 | 148.6 | 145.4 |
| 77.5° | 221.1 | 207.7 | 194.1 | 180.7 | 167.1 | 154.8 | 143.8 | 132.8 | 121.7 | 110.8 | 109.1 |
| 80° | 175.2 | 162.5 | 149.6 | 136.9 | 124.1 | 114.5 | 107.9 | 101.4 | 94.9 | 88.3 | 87.4 |
| 82.5° | 131.4 | 120.5 | 109.4 | 98.4 | 87.4 | 80.3 | 77.3 | 74.2 | 71.2 | 68.1 | 67.1 |
| 85° | 74.3 | 67.4 | 60.5 | 53.8 | 46.9 | 43.0 | 42.1 | 41.1 | 40.2 | 39.2 | 38.6 |
| 87.5° | 27.1 | 24.7 | 22.4 | 20.1 | 17.7 | 16.8 | 17.3 | 17.8 | 18.4 | 18.8 | 18.7 |
| 90° | 0.9 | 2.9 | 4.8 | 6.9 | 8.8 | 11.1 | 13.6 | 16.2 | 18.8 | 21.4 | 22.1 |
| 92.5° | 21.6 | 22.9 | 24.3 | 25.6 | 26.9 | 28.4 | 29.8 | 31.2 | 32.7 | 34.2 | 34.8 |
| 95° | 52.5 | 53.9 | 55.3 | 56.7 | 58.1 | 59.6 | 61.1 | 62.7 | 64.3 | 65.9 | 66.7 |
| 97.5° | 93.3 | 94.3 | 95.3 | 96.4 | 97.4 | 98.4 | 99.6 | 100.8 | 101.9 | 103.1 | 104.0 |
| 100° | 121.1 | 122.3 | 123.4 | 124.6 | 125.8 | 126.9 | 127.9 | 128.9 | 129.8 | 130.8 | 131.4 |
| 102.5° | 153.1 | 153.8 | 154.5 | 155.2 | 156.0 | 156.9 | 158.3 | 159.5 | 160.9 | 162.2 | 162.7 |
| 105° | 200.3 | 200.6 | 201.1 | 201.4 | 201.9 | 203.0 | 204.7 | 206.5 | 208.3 | 210.1 | 210.1 |
| 107.5° | 255.1 | 255.4 | 255.6 | 255.8 | 256.1 | 256.5 | 257.3 | 258.0 | 258.7 | 259.4 | 260.0 |
| 110° | 289.3 | 289.7 | 290.1 | 290.4 | 290.9 | 291.2 | 291.7 | 292.0 | 292.5 | 292.8 | 293.6 |



TEST NUMBER: P332382-940

CATALOG NUMBER: S123RDIP-S1165D1025U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 324.9 | 325.1 | 325.4 | 325.6 | 325.8 | 326.0 | 326.1 | 326.2 | 326.3 | 326.3 | 327.3 |
| 115° | 378.3 | 378.9 | 379.5 | 380.0 | 380.7 | 380.8 | 380.4 | 380.0 | 379.6 | 379.2 | 379.4 |
| 117.5° | 432.0 | 432.5 | 432.8 | 433.3 | 433.6 | 433.5 | 433.1 | 432.6 | 432.0 | 431.5 | 431.5 |
| 120° | 465.6 | 466.7 | 467.9 | 469.1 | 470.3 | 470.4 | 469.4 | 468.4 | 467.4 | 466.5 | 466.2 |
| 122.5° | 500.4 | 501.3 | 502.1 | 503.0 | 503.9 | 504.1 | 503.5 | 503.0 | 502.6 | 502.0 | 501.5 |
| 125° | 553.7 | 554.3 | 554.8 | 555.4 | 556.0 | 556.2 | 555.7 | 555.4 | 554.9 | 554.6 | 553.8 |
| 127.5° | 602.8 | 604.0 | 605.3 | 606.5 | 607.9 | 608.2 | 607.8 | 607.4 | 607.0 | 606.5 | 605.4 |
| 130° | 635.5 | 637.1 | 638.7 | 640.2 | 641.9 | 642.4 | 641.8 | 641.1 | 640.6 | 640.0 | 639.2 |
| 132.5° | 668.3 | 669.9 | 671.5 | 673.1 | 674.7 | 675.2 | 674.8 | 674.3 | 673.9 | 673.4 | 672.5 |
| 135° | 718.4 | 719.5 | 720.7 | 721.8 | 723.1 | 723.5 | 723.4 | 723.2 | 723.0 | 722.7 | 722.0 |
| 137.5° | 764.6 | 765.6 | 766.6 | 767.6 | 768.6 | 769.3 | 769.8 | 770.3 | 770.9 | 771.3 | 770.5 |
| 140° | 796.7 | 797.6 | 798.6 | 799.6 | 800.6 | 801.2 | 801.4 | 801.6 | 801.8 | 802.0 | 801.8 |
| 142.5° | 825.8 | 826.8 | 827.9 | 828.8 | 829.8 | 830.5 | 830.8 | 831.2 | 831.5 | 831.9 | 831.7 |
| 145° | 871.4 | 871.8 | 872.2 | 872.6 | 873.0 | 873.5 | 874.1 | 874.7 | 875.3 | 875.8 | 875.7 |
| 147.5° | 911.3 | 912.0 | 912.8 | 913.5 | 914.2 | 914.8 | 915.3 | 915.9 | 916.4 | 917.0 | 917.0 |
| 150° | 939.1 | 939.5 | 939.9 | 940.2 | 940.7 | 941.0 | 941.5 | 941.8 | 942.3 | 942.6 | 942.6 |
| 152.5° | 961.9 | 962.4 | 963.0 | 963.5 | 964.0 | 964.5 | 964.7 | 964.9 | 965.2 | 965.5 | 965.7 |
| 155° | 997.8 | 997.8 | 997.8 | 997.8 | 997.8 | 997.9 | 998.1 | 998.3 | 998.5 | 998.7 | 999.5 |
| 157.5° | 1028.4 | 1028.2 | 1028.0 | 1027.7 | 1027.5 | 1027.4 | 1027.6 | 1027.8 | 1028.0 | 1028.1 | 1028.9 |
| 160° | 1047.7 | 1047.2 | 1046.9 | 1046.5 | 1046.1 | 1045.9 | 1045.9 | 1045.9 | 1045.9 | 1045.9 | 1046.9 |
| 162.5° | 1064.8 | 1064.2 | 1063.6 | 1063.1 | 1062.6 | 1062.4 | 1062.5 | 1062.7 | 1062.8 | 1063.0 | 1064.0 |
| 165° | 1086.8 | 1086.2 | 1085.7 | 1085.0 | 1084.5 | 1084.1 | 1084.1 | 1084.1 | 1084.1 | 1084.1 | 1085.3 |
| 167.5° | 1104.5 | 1103.7 | 1102.9 | 1102.1 | 1101.3 | 1101.0 | 1101.2 | 1101.3 | 1101.4 | 1101.6 | 1102.9 |
| 170° | 1114.5 | 1113.7 | 1112.9 | 1112.1 | 1111.3 | 1110.9 | 1110.9 | 1110.9 | 1110.9 | 1110.9 | 1112.2 |
| 172.5° | 1122.2 | 1121.5 | 1120.7 | 1119.9 | 1119.1 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1119.9 |
| 175° | 1130.4 | 1129.6 | 1128.8 | 1128.1 | 1127.3 | 1126.9 | 1126.9 | 1126.9 | 1126.9 | 1126.9 | 1128.1 |
| 177.5° | 1133.8 | 1133.2 | 1132.6 | 1131.9 | 1131.3 | 1131.0 | 1131.0 | 1131.0 | 1131.0 | 1131.0 | 1131.9 |
| 180° | 1133.1 | 1133.1 | 1133.1 | 1133.1 | 1133.1 | 1133.1 | 1133.1 | 1133.1 | 1133.1 | 1133.1 | 1133.1 |



TEST NUMBER: P332382-940

CATALOG NUMBER: S123RDIP-S1165D1025U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1728.3 | 1728.3 | 1728.3 | 1728.3 | 1728.3 | 1728.3 | 1728.3 | 1728.3 |
| 2.5° | 1721.4 | 1724.2 | 1726.9 | 1728.0 | 1727.5 | 1727.1 | 1726.5 | 1726.0 |
| 5° | 1710.0 | 1712.9 | 1715.7 | 1716.7 | 1716.1 | 1715.5 | 1714.8 | 1714.2 |
| 7.5° | 1686.0 | 1687.6 | 1689.1 | 1689.3 | 1688.3 | 1687.2 | 1686.1 | 1685.1 |
| 10° | 1664.5 | 1664.7 | 1665.1 | 1664.5 | 1662.9 | 1661.3 | 1659.7 | 1658.2 |
| 12.5° | 1637.6 | 1637.4 | 1637.3 | 1636.3 | 1634.5 | 1632.6 | 1630.8 | 1629.1 |
| 15° | 1590.6 | 1589.0 | 1587.5 | 1585.6 | 1583.4 | 1581.3 | 1579.0 | 1576.9 |
| 17.5° | 1534.5 | 1531.1 | 1527.8 | 1524.6 | 1521.3 | 1518.0 | 1514.8 | 1511.5 |
| 20° | 1495.9 | 1491.8 | 1487.8 | 1483.9 | 1480.2 | 1476.4 | 1472.7 | 1469.0 |
| 22.5° | 1454.6 | 1449.7 | 1444.6 | 1440.3 | 1436.8 | 1433.3 | 1429.9 | 1426.4 |
| 25° | 1387.2 | 1380.6 | 1374.1 | 1369.1 | 1365.7 | 1362.3 | 1358.9 | 1355.4 |
| 27.5° | 1313.7 | 1304.6 | 1295.5 | 1288.3 | 1283.1 | 1277.9 | 1272.6 | 1267.4 |
| 30° | 1261.3 | 1250.8 | 1240.2 | 1232.4 | 1227.4 | 1222.4 | 1217.5 | 1212.5 |
| 32.5° | 1210.1 | 1198.5 | 1186.9 | 1178.5 | 1173.2 | 1168.0 | 1162.8 | 1157.5 |
| 35° | 1133.8 | 1120.4 | 1107.1 | 1097.5 | 1091.9 | 1086.3 | 1080.7 | 1075.1 |
| 37.5° | 1052.0 | 1036.8 | 1021.5 | 1010.5 | 1003.6 | 996.7 | 989.8 | 982.8 |
| 40° | 995.1 | 978.8 | 962.7 | 951.0 | 943.8 | 936.7 | 929.5 | 922.3 |
| 42.5° | 940.5 | 922.7 | 905.1 | 893.0 | 886.6 | 880.2 | 873.8 | 867.4 |
| 45° | 860.1 | 842.4 | 824.7 | 812.1 | 804.6 | 797.1 | 789.6 | 782.1 |
| 47.5° | 777.1 | 757.9 | 738.5 | 725.6 | 718.9 | 712.2 | 705.5 | 698.9 |
| 50° | 721.1 | 701.8 | 682.4 | 669.2 | 662.1 | 654.9 | 647.7 | 640.6 |
| 52.5° | 666.9 | 646.8 | 626.8 | 613.5 | 607.1 | 600.7 | 594.3 | 587.9 |
| 55° | 586.2 | 568.1 | 550.1 | 538.0 | 531.7 | 525.5 | 519.2 | 513.0 |
| 57.5° | 506.9 | 489.8 | 472.8 | 461.5 | 456.3 | 451.0 | 445.7 | 440.4 |
| 60° | 456.9 | 440.1 | 423.3 | 412.2 | 407.0 | 401.6 | 396.4 | 391.1 |
| 62.5° | 407.3 | 391.6 | 375.7 | 365.1 | 359.4 | 353.9 | 348.4 | 342.9 |
| 65° | 336.7 | 321.5 | 306.2 | 296.9 | 293.5 | 290.0 | 286.6 | 283.1 |
| 67.5° | 269.3 | 257.9 | 246.5 | 239.0 | 235.3 | 231.6 | 227.9 | 224.3 |
| 70° | 227.7 | 216.8 | 205.9 | 198.8 | 195.3 | 191.9 | 188.4 | 185.0 |
| 72.5° | 190.2 | 181.3 | 172.4 | 167.2 | 165.8 | 164.3 | 162.9 | 161.5 |
| 75° | 142.3 | 139.2 | 136.1 | 134.3 | 133.7 | 133.0 | 132.4 | 131.8 |
| 77.5° | 107.4 | 105.7 | 104.0 | 102.8 | 102.2 | 101.6 | 100.9 | 100.3 |
| 80° | 86.4 | 85.5 | 84.5 | 83.8 | 83.2 | 82.6 | 81.9 | 81.3 |
| 82.5° | 66.3 | 65.4 | 64.4 | 63.8 | 63.8 | 63.6 | 63.5 | 63.4 |
| 85° | 38.0 | 37.4 | 36.7 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| 87.5° | 18.6 | 18.5 | 18.5 | 18.4 | 18.2 | 18.0 | 17.8 | 17.7 |
| 90° | 22.9 | 23.7 | 24.5 | 25.1 | 25.5 | 25.9 | 26.3 | 26.7 |
| 92.5° | 35.5 | 36.1 | 36.7 | 36.9 | 36.6 | 36.5 | 36.2 | 35.9 |
| 95° | 67.4 | 68.2 | 69.0 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| 97.5° | 104.9 | 105.8 | 106.7 | 107.1 | 107.1 | 107.0 | 106.9 | 106.8 |
| 100° | 132.1 | 132.6 | 133.2 | 133.8 | 134.1 | 134.5 | 134.9 | 135.3 |
| 102.5° | 163.4 | 164.0 | 164.5 | 164.8 | 164.7 | 164.6 | 164.6 | 164.5 |
| 105° | 210.1 | 210.1 | 210.1 | 210.3 | 210.6 | 211.1 | 211.4 | 211.9 |
| 107.5° | 260.6 | 261.3 | 261.9 | 262.1 | 261.9 | 261.6 | 261.4 | 261.2 |
| 110° | 294.4 | 295.2 | 296.0 | 296.2 | 295.8 | 295.4 | 295.1 | 294.6 |



TEST NUMBER: P332382-940

CATALOG NUMBER: S123RDIP-S1165D1025U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 328.2 | 329.1 | 330.1 | 330.6 | 330.5 | 330.4 | 330.3 | 330.2 |
| 115° | 379.6 | 379.8 | 380.0 | 380.0 | 379.8 | 379.6 | 379.4 | 379.2 |
| 117.5° | 431.4 | 431.4 | 431.4 | 431.1 | 430.5 | 430.0 | 429.4 | 428.8 |
| 120° | 466.0 | 465.8 | 465.7 | 465.3 | 464.9 | 464.6 | 464.1 | 463.8 |
| 122.5° | 501.0 | 500.5 | 500.0 | 499.4 | 498.9 | 498.3 | 497.8 | 497.2 |
| 125° | 552.9 | 552.1 | 551.3 | 550.5 | 549.8 | 549.0 | 548.2 | 547.4 |
| 127.5° | 604.3 | 603.2 | 602.1 | 601.1 | 600.2 | 599.2 | 598.3 | 597.4 |
| 130° | 638.4 | 637.6 | 636.9 | 635.7 | 634.4 | 632.9 | 631.6 | 630.2 |
| 132.5° | 671.5 | 670.7 | 669.7 | 668.7 | 667.6 | 666.6 | 665.5 | 664.4 |
| 135° | 721.2 | 720.4 | 719.6 | 719.0 | 718.6 | 718.2 | 717.8 | 717.5 |
| 137.5° | 769.7 | 768.9 | 768.0 | 767.2 | 766.5 | 765.7 | 765.0 | 764.3 |
| 140° | 801.6 | 801.4 | 801.2 | 800.4 | 799.1 | 797.6 | 796.3 | 794.9 |
| 142.5° | 831.5 | 831.3 | 831.1 | 830.5 | 829.4 | 828.3 | 827.2 | 826.2 |
| 145° | 875.5 | 875.3 | 875.0 | 874.6 | 873.8 | 873.0 | 872.2 | 871.4 |
| 147.5° | 917.0 | 917.0 | 917.0 | 916.4 | 915.3 | 914.0 | 912.8 | 911.7 |
| 150° | 942.6 | 942.6 | 942.6 | 942.0 | 940.8 | 939.7 | 938.4 | 937.3 |
| 152.5° | 966.1 | 966.3 | 966.7 | 966.3 | 965.3 | 964.3 | 963.2 | 962.2 |
| 155° | 1000.3 | 1001.1 | 1001.8 | 1001.6 | 1000.2 | 998.8 | 997.4 | 996.0 |
| 157.5° | 1029.7 | 1030.6 | 1031.4 | 1031.3 | 1030.2 | 1029.0 | 1028.0 | 1026.8 |
| 160° | 1047.8 | 1048.8 | 1049.8 | 1049.9 | 1049.2 | 1048.4 | 1047.6 | 1046.8 |
| 162.5° | 1065.0 | 1066.0 | 1066.9 | 1066.8 | 1065.5 | 1064.3 | 1063.0 | 1061.8 |
| 165° | 1086.5 | 1087.7 | 1088.9 | 1088.8 | 1087.4 | 1086.0 | 1084.7 | 1083.3 |
| 167.5° | 1104.0 | 1105.3 | 1106.5 | 1106.5 | 1105.3 | 1104.0 | 1102.9 | 1101.6 |
| 170° | 1113.7 | 1115.0 | 1116.4 | 1116.4 | 1115.0 | 1113.7 | 1112.2 | 1110.9 |
| 172.5° | 1121.1 | 1122.4 | 1123.6 | 1123.6 | 1122.1 | 1120.8 | 1119.4 | 1117.9 |
| 175° | 1129.3 | 1130.4 | 1131.7 | 1131.5 | 1130.2 | 1128.7 | 1127.4 | 1126.0 |
| 177.5° | 1132.9 | 1133.8 | 1134.8 | 1134.7 | 1133.6 | 1132.5 | 1131.4 | 1130.2 |
| 180° | 1133.1 | 1133.1 | 1133.1 | 1133.1 | 1133.1 | 1133.1 | 1133.1 | 1133.1 |

(END OF REPORT)