

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: P331852-935

Luminaire Tested: **S122RDIW-S1005D710U935-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331852-935
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-S1005D710U935-4F0-1E-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: 5118.9 lumens
Efficiency: N/A
Efficacy: 85.6 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

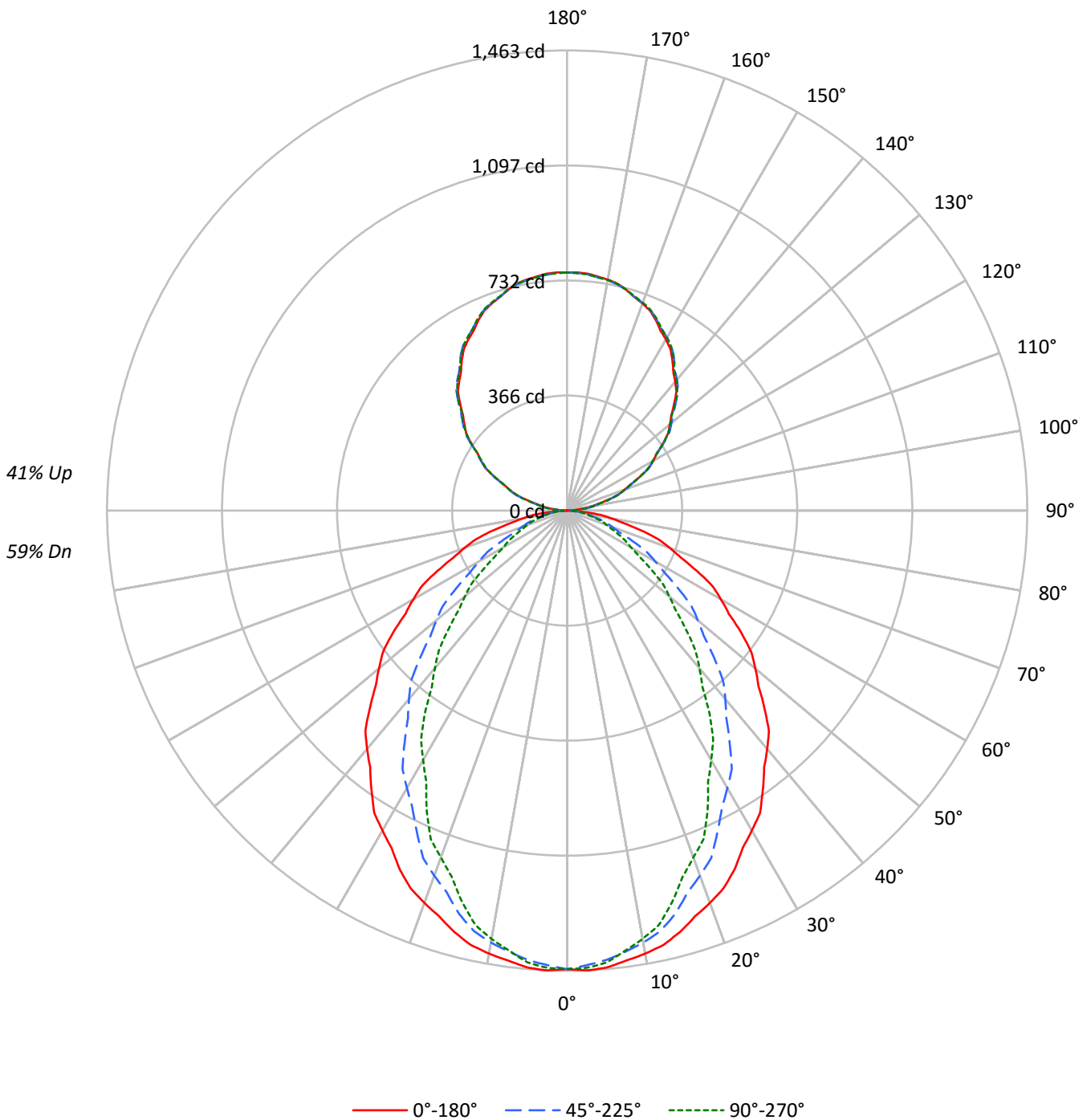
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331852-935

CATALOG NUMBER: S122RDIW-S1005D710U935-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P331852-935

CATALOG NUMBER: S122RDIW-S1005D710U935-4F0-1E-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° | 23541 | 23541 | 23541 |
| 5° | 23631 | 23246 | 23376 |
| 10° | 23451 | 22866 | 22673 |
| 15° | 23181 | 22188 | 21549 |
| 20° | 22807 | 21220 | 20155 |
| 25° | 22425 | 20122 | 18805 |
| 30° | 21895 | 18990 | 17074 |
| 35° | 21378 | 17763 | 15554 |
| 40° | 20858 | 16493 | 13793 |
| 45° | 20247 | 15066 | 12202 |
| 50° | 19623 | 13622 | 10638 |
| 55° | 18978 | 12073 | 9137 |
| 60° | 18235 | 10440 | 7585 |
| 65° | 17391 | 8772 | 6907 |
| 70° | 16386 | 7227 | 6354 |
| 75° | 15147 | 6588 | 5926 |
| 80° | 13371 | 5895 | 5393 |
| 85° | 10504 | 4650 | 4650 |



TEST NUMBER: P331852-935

CATALOG NUMBER: S122RDIW-S1005D710U935-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 136.5 | 2.7 |
| 10°-20° | 374.7 | 7.3 |
| 20°-30° | 526.2 | 10.3 |
| 30°-40° | 573.8 | 11.2 |
| 40°-50° | 527.6 | 10.3 |
| 50°-60° | 414.4 | 8.1 |
| 60°-70° | 270.2 | 5.3 |
| 70°-80° | 139.3 | 2.7 |
| 80°-90° | 39.2 | 0.8 |
| 90°-100° | 48.0 | 0.9 |
| 100°-110° | 149.0 | 2.9 |
| 110°-120° | 254.7 | 5.0 |
| 120°-130° | 334.9 | 6.5 |
| 130°-140° | 375.9 | 7.3 |
| 140°-150° | 368.6 | 7.2 |
| 150°-160° | 309.2 | 6.0 |
| 160°-170° | 205.1 | 4.0 |
| 170°-180° | 71.7 | 1.4 |
| 0°-30° | 1037.4 | 20.3 |
| 0°-40° | 1611.3 | 31.5 |
| 0°-60° | 2553.2 | 49.9 |
| 0°-90° | 3001.9 | 58.6 |
| 90°-120° | 451.7 | 8.8 |
| 90°-150° | 1531.1 | 29.9 |
| 90°-180° | 2117.0 | 41.4 |
| 0°-180° | 5118.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1458 | 1458 | 1458 | 1458 | 1458 | |
| 5° | 1458 | 1451 | 1434 | 1445 | 1442 | 138 |
| 15° | 1387 | 1371 | 1327 | 1303 | 1289 | 390 |
| 25° | 1259 | 1214 | 1130 | 1077 | 1056 | 579 |
| 35° | 1085 | 1015 | 901 | 821 | 789 | 678 |
| 45° | 887 | 796 | 660 | 570 | 534 | 684 |
| 55° | 674 | 569 | 429 | 353 | 325 | 602 |
| 65° | 455 | 348 | 230 | 187 | 181 | 451 |
| 75° | 243 | 153 | 106 | 97 | 95 | 257 |
| 85° | 57 | 30 | 25 | 25 | 25 | 67 |
| 90° | 1 | 9 | 22 | 21 | 22 | 4 |
| 95° | 33 | 39 | 41 | 41 | 40 | 38 |
| 105° | 137 | 139 | 141 | 142 | 142 | 145 |
| 115° | 256 | 259 | 258 | 257 | 256 | 253 |
| 125° | 372 | 377 | 376 | 374 | 373 | 332 |
| 135° | 481 | 488 | 489 | 489 | 487 | 372 |
| 145° | 584 | 588 | 592 | 593 | 590 | 365 |
| 155° | 668 | 670 | 672 | 674 | 673 | 307 |
| 165° | 726 | 726 | 726 | 730 | 727 | 205 |
| 175° | 756 | 754 | 753 | 757 | 753 | 72 |
| 180° | 757 | 757 | 757 | 757 | 757 | |



TEST NUMBER: P331852-935

CATALOG NUMBER: S122RDIW-S1005D710U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1458.0 | 1458.0 | 1458.0 | 1458.0 | 1458.0 | 1458.0 | 1458.0 | 1458.0 | 1458.0 | 1458.0 | 1458.0 |
| 2.5° | 1463.4 | 1462.2 | 1460.9 | 1459.8 | 1458.6 | 1456.7 | 1454.1 | 1451.6 | 1449.1 | 1446.5 | 1448.8 |
| 5° | 1458.0 | 1456.6 | 1455.1 | 1453.6 | 1452.2 | 1449.6 | 1445.7 | 1441.9 | 1438.1 | 1434.3 | 1436.9 |
| 7.5° | 1443.0 | 1441.2 | 1439.4 | 1437.5 | 1435.7 | 1432.6 | 1428.1 | 1423.7 | 1419.3 | 1414.8 | 1415.6 |
| 10° | 1430.4 | 1428.3 | 1426.2 | 1424.2 | 1422.1 | 1418.2 | 1412.3 | 1406.4 | 1400.6 | 1394.7 | 1393.9 |
| 12.5° | 1414.5 | 1412.0 | 1409.5 | 1407.0 | 1404.5 | 1399.4 | 1391.9 | 1384.4 | 1376.9 | 1369.4 | 1367.8 |
| 15° | 1386.8 | 1383.5 | 1380.4 | 1377.1 | 1373.9 | 1367.3 | 1357.4 | 1347.4 | 1337.4 | 1327.4 | 1321.9 |
| 17.5° | 1352.7 | 1347.8 | 1342.9 | 1338.0 | 1333.1 | 1324.2 | 1311.4 | 1298.6 | 1285.8 | 1273.1 | 1266.4 |
| 20° | 1327.4 | 1321.5 | 1315.7 | 1309.8 | 1304.0 | 1293.7 | 1279.0 | 1264.4 | 1249.7 | 1235.0 | 1227.7 |
| 22.5° | 1299.9 | 1293.4 | 1286.9 | 1280.3 | 1273.7 | 1262.1 | 1245.6 | 1229.1 | 1212.5 | 1196.0 | 1186.5 |
| 25° | 1258.8 | 1249.4 | 1240.0 | 1230.6 | 1221.2 | 1206.9 | 1187.6 | 1168.2 | 1148.8 | 1129.5 | 1117.5 |
| 27.5° | 1209.2 | 1199.0 | 1188.8 | 1178.6 | 1168.4 | 1152.4 | 1130.6 | 1108.7 | 1086.9 | 1065.1 | 1051.1 |
| 30° | 1174.4 | 1163.2 | 1152.1 | 1140.9 | 1129.8 | 1112.5 | 1089.0 | 1065.6 | 1042.2 | 1018.6 | 1003.7 |
| 32.5° | 1140.6 | 1127.6 | 1114.6 | 1101.6 | 1088.5 | 1070.1 | 1046.1 | 1022.2 | 998.2 | 974.3 | 957.3 |
| 35° | 1084.6 | 1069.7 | 1054.7 | 1039.7 | 1024.8 | 1004.4 | 978.6 | 952.9 | 927.0 | 901.2 | 882.8 |
| 37.5° | 1028.7 | 1012.3 | 995.8 | 979.4 | 963.0 | 941.1 | 913.5 | 886.1 | 858.5 | 831.0 | 810.7 |
| 40° | 989.6 | 972.1 | 954.4 | 936.9 | 919.3 | 896.2 | 867.8 | 839.4 | 810.9 | 782.5 | 761.6 |
| 42.5° | 949.5 | 931.0 | 912.5 | 893.9 | 875.4 | 851.4 | 822.1 | 792.6 | 763.3 | 733.9 | 712.4 |
| 45° | 886.7 | 867.0 | 847.4 | 827.8 | 808.1 | 782.9 | 752.1 | 721.3 | 690.5 | 659.8 | 638.9 |
| 47.5° | 825.4 | 804.7 | 783.9 | 763.0 | 742.2 | 715.9 | 684.2 | 652.3 | 620.5 | 588.8 | 568.1 |
| 50° | 781.2 | 760.3 | 739.5 | 718.7 | 697.8 | 671.3 | 639.1 | 606.8 | 574.5 | 542.3 | 522.1 |
| 52.5° | 737.9 | 716.1 | 694.4 | 672.6 | 650.8 | 624.2 | 592.6 | 561.1 | 529.5 | 498.0 | 478.5 |
| 55° | 674.2 | 651.4 | 628.5 | 605.6 | 582.8 | 555.5 | 523.8 | 492.1 | 460.5 | 428.9 | 411.2 |
| 57.5° | 609.1 | 585.7 | 562.1 | 538.7 | 515.2 | 488.3 | 457.9 | 427.4 | 397.0 | 366.5 | 350.4 |
| 60° | 564.7 | 541.3 | 517.8 | 494.4 | 470.9 | 444.1 | 413.9 | 383.7 | 353.4 | 323.3 | 308.3 |
| 62.5° | 521.5 | 498.0 | 474.6 | 451.1 | 427.7 | 401.5 | 372.7 | 343.9 | 315.1 | 286.4 | 272.1 |
| 65° | 455.2 | 431.4 | 407.8 | 384.0 | 360.2 | 335.2 | 308.8 | 282.4 | 256.0 | 229.6 | 219.6 |
| 67.5° | 391.3 | 367.8 | 344.2 | 320.6 | 297.0 | 273.4 | 249.7 | 225.9 | 202.2 | 178.4 | 173.8 |
| 70° | 347.1 | 324.2 | 301.3 | 278.4 | 255.5 | 234.0 | 213.8 | 193.6 | 173.3 | 153.1 | 150.2 |
| 72.5° | 304.8 | 282.8 | 261.0 | 239.0 | 217.1 | 197.9 | 181.8 | 165.5 | 149.2 | 133.0 | 130.5 |
| 75° | 242.8 | 222.2 | 201.7 | 181.2 | 160.7 | 145.4 | 135.4 | 125.5 | 115.5 | 105.6 | 103.5 |
| 77.5° | 181.8 | 163.8 | 145.9 | 127.9 | 109.8 | 98.4 | 93.6 | 88.8 | 83.9 | 79.2 | 78.0 |
| 80° | 143.8 | 128.9 | 113.9 | 98.9 | 84.0 | 75.1 | 72.2 | 69.2 | 66.3 | 63.4 | 62.2 |
| 82.5° | 109.0 | 97.3 | 85.7 | 74.0 | 62.3 | 55.4 | 53.5 | 51.5 | 49.5 | 47.5 | 46.8 |
| 85° | 56.7 | 50.5 | 44.4 | 38.2 | 32.1 | 28.6 | 27.7 | 26.9 | 25.9 | 25.1 | 25.1 |
| 87.5° | 17.0 | 15.5 | 13.9 | 12.4 | 10.8 | 10.4 | 11.0 | 11.7 | 12.3 | 12.9 | 12.7 |
| 90° | 0.6 | 2.3 | 4.0 | 5.8 | 7.5 | 9.9 | 13.0 | 16.1 | 19.2 | 22.4 | 22.0 |
| 92.5° | 11.4 | 12.7 | 13.9 | 15.2 | 16.4 | 17.4 | 18.1 | 18.9 | 19.5 | 20.3 | 20.4 |
| 95° | 33.2 | 34.6 | 36.1 | 37.5 | 38.9 | 39.8 | 40.0 | 40.3 | 40.6 | 40.9 | 40.9 |
| 97.5° | 60.7 | 61.9 | 63.2 | 64.4 | 65.7 | 66.6 | 67.2 | 67.7 | 68.2 | 68.7 | 68.7 |
| 100° | 81.1 | 82.3 | 83.4 | 84.6 | 85.7 | 86.4 | 86.9 | 87.3 | 87.7 | 88.2 | 88.2 |
| 102.5° | 102.6 | 103.5 | 104.4 | 105.3 | 106.2 | 106.9 | 107.5 | 108.1 | 108.6 | 109.1 | 109.3 |
| 105° | 137.3 | 137.8 | 138.2 | 138.6 | 139.1 | 139.4 | 139.7 | 140.0 | 140.3 | 140.6 | 140.9 |
| 107.5° | 172.4 | 173.0 | 173.7 | 174.3 | 174.9 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.3 |
| 110° | 194.8 | 195.7 | 196.6 | 197.4 | 198.3 | 198.7 | 198.7 | 198.7 | 198.7 | 198.7 | 198.7 |



TEST NUMBER: P331852-935

CATALOG NUMBER: S122RDIW-S1005D710U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 219.4 | 220.2 | 221.1 | 222.0 | 222.8 | 223.2 | 223.1 | 222.9 | 222.8 | 222.7 | 222.4 |
| 115° | 255.5 | 256.4 | 257.3 | 258.1 | 259.0 | 259.2 | 259.0 | 258.6 | 258.4 | 258.1 | 258.0 |
| 117.5° | 291.6 | 292.7 | 293.9 | 295.0 | 296.1 | 296.3 | 295.5 | 294.7 | 293.9 | 293.2 | 292.8 |
| 120° | 315.6 | 316.8 | 317.9 | 319.0 | 320.1 | 320.1 | 319.0 | 317.9 | 316.8 | 315.6 | 315.6 |
| 122.5° | 337.6 | 339.0 | 340.4 | 341.6 | 343.0 | 343.4 | 342.5 | 341.7 | 341.0 | 340.2 | 339.8 |
| 125° | 371.9 | 373.2 | 374.4 | 375.7 | 376.9 | 377.4 | 376.9 | 376.5 | 376.1 | 375.7 | 375.2 |
| 127.5° | 405.2 | 406.8 | 408.5 | 410.0 | 411.6 | 412.2 | 411.7 | 411.2 | 410.7 | 410.2 | 409.7 |
| 130° | 426.1 | 428.0 | 429.8 | 431.7 | 433.5 | 434.3 | 434.0 | 433.8 | 433.4 | 433.2 | 432.9 |
| 132.5° | 449.7 | 451.2 | 452.7 | 454.2 | 455.6 | 456.5 | 456.5 | 456.6 | 456.7 | 456.7 | 456.1 |
| 135° | 481.1 | 482.7 | 484.2 | 485.8 | 487.3 | 488.3 | 488.5 | 488.9 | 489.1 | 489.4 | 489.2 |
| 137.5° | 514.2 | 515.5 | 516.8 | 518.1 | 519.3 | 520.1 | 520.5 | 520.9 | 521.2 | 521.6 | 521.5 |
| 140° | 534.2 | 535.4 | 536.7 | 538.0 | 539.2 | 540.2 | 541.0 | 541.7 | 542.3 | 543.0 | 543.0 |
| 142.5° | 554.6 | 555.9 | 557.2 | 558.4 | 559.6 | 560.6 | 561.0 | 561.5 | 562.0 | 562.5 | 562.6 |
| 145° | 583.9 | 585.0 | 585.9 | 586.9 | 588.0 | 588.8 | 589.7 | 590.6 | 591.4 | 592.3 | 592.4 |
| 147.5° | 610.2 | 611.3 | 612.5 | 613.7 | 614.9 | 615.8 | 616.4 | 616.9 | 617.5 | 618.1 | 618.4 |
| 150° | 628.0 | 628.9 | 629.7 | 630.6 | 631.5 | 632.1 | 632.7 | 633.3 | 633.9 | 634.5 | 634.9 |
| 152.5° | 643.9 | 644.7 | 645.6 | 646.4 | 647.3 | 648.1 | 648.8 | 649.5 | 650.1 | 650.8 | 651.3 |
| 155° | 667.6 | 668.0 | 668.5 | 668.9 | 669.3 | 669.8 | 670.2 | 670.6 | 671.1 | 671.5 | 672.2 |
| 157.5° | 687.9 | 688.3 | 688.5 | 688.8 | 689.1 | 689.4 | 689.7 | 689.9 | 690.2 | 690.4 | 691.4 |
| 160° | 700.3 | 700.5 | 700.8 | 701.1 | 701.4 | 701.6 | 701.7 | 701.9 | 702.0 | 702.1 | 703.0 |
| 162.5° | 711.4 | 711.5 | 711.6 | 711.6 | 711.7 | 711.8 | 712.0 | 712.1 | 712.2 | 712.4 | 713.3 |
| 165° | 726.4 | 726.3 | 726.2 | 726.0 | 725.9 | 725.8 | 725.8 | 725.8 | 725.8 | 725.8 | 726.8 |
| 167.5° | 739.0 | 738.6 | 738.1 | 737.7 | 737.3 | 737.0 | 737.0 | 736.9 | 736.9 | 736.9 | 737.9 |
| 170° | 745.6 | 745.2 | 744.8 | 744.3 | 743.9 | 743.6 | 743.5 | 743.3 | 743.2 | 743.0 | 744.1 |
| 172.5° | 750.2 | 749.8 | 749.3 | 748.9 | 748.5 | 748.2 | 748.0 | 748.0 | 747.8 | 747.6 | 748.6 |
| 175° | 755.8 | 755.4 | 755.0 | 754.6 | 754.1 | 753.8 | 753.5 | 753.2 | 752.9 | 752.6 | 753.6 |
| 177.5° | 758.1 | 757.8 | 757.4 | 757.1 | 756.7 | 756.5 | 756.2 | 756.0 | 755.8 | 755.5 | 756.2 |
| 180° | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 |



TEST NUMBER: P331852-935

CATALOG NUMBER: S122RDIW-S1005D710U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1458.0 | 1458.0 | 1458.0 | 1458.0 | 1458.0 | 1458.0 | 1458.0 | 1458.0 |
| 2.5° | 1451.1 | 1453.5 | 1455.9 | 1456.7 | 1456.3 | 1455.9 | 1455.3 | 1454.9 |
| 5° | 1439.6 | 1442.3 | 1444.8 | 1445.7 | 1444.8 | 1444.0 | 1443.1 | 1442.3 |
| 7.5° | 1416.3 | 1417.0 | 1417.8 | 1417.5 | 1415.9 | 1414.4 | 1412.9 | 1411.4 |
| 10° | 1392.9 | 1392.1 | 1391.2 | 1389.9 | 1388.1 | 1386.4 | 1384.6 | 1382.9 |
| 12.5° | 1366.2 | 1364.6 | 1363.0 | 1360.8 | 1357.9 | 1355.0 | 1352.0 | 1349.1 |
| 15° | 1316.3 | 1310.7 | 1305.1 | 1300.9 | 1298.0 | 1295.0 | 1292.1 | 1289.2 |
| 17.5° | 1259.8 | 1253.2 | 1246.6 | 1240.7 | 1235.7 | 1230.6 | 1225.5 | 1220.6 |
| 20° | 1220.4 | 1213.1 | 1205.7 | 1198.9 | 1192.4 | 1185.9 | 1179.5 | 1173.0 |
| 22.5° | 1177.2 | 1167.7 | 1158.2 | 1151.1 | 1146.3 | 1141.5 | 1136.7 | 1131.9 |
| 25° | 1105.4 | 1093.5 | 1081.4 | 1073.2 | 1068.8 | 1064.4 | 1060.0 | 1055.6 |
| 27.5° | 1037.1 | 1023.0 | 1009.0 | 998.5 | 991.5 | 984.6 | 977.6 | 970.6 |
| 30° | 988.8 | 973.8 | 958.8 | 947.4 | 939.5 | 931.6 | 923.7 | 915.8 |
| 32.5° | 940.2 | 923.2 | 906.0 | 893.8 | 886.4 | 878.9 | 871.4 | 864.0 |
| 35° | 864.3 | 845.8 | 827.3 | 814.9 | 808.4 | 801.9 | 795.5 | 789.1 |
| 37.5° | 790.3 | 770.0 | 749.6 | 735.7 | 728.4 | 721.0 | 713.6 | 706.2 |
| 40° | 740.8 | 720.0 | 699.2 | 685.0 | 677.3 | 669.7 | 662.1 | 654.4 |
| 42.5° | 690.9 | 669.3 | 647.8 | 633.4 | 625.9 | 618.5 | 611.2 | 603.8 |
| 45° | 618.1 | 597.3 | 576.4 | 562.6 | 555.5 | 548.5 | 541.4 | 534.4 |
| 47.5° | 547.3 | 526.7 | 505.9 | 492.4 | 486.0 | 479.7 | 473.2 | 466.8 |
| 50° | 501.9 | 481.6 | 461.4 | 448.2 | 442.0 | 435.8 | 429.7 | 423.5 |
| 52.5° | 458.9 | 439.4 | 419.9 | 407.3 | 401.6 | 395.9 | 390.2 | 384.5 |
| 55° | 393.6 | 376.1 | 358.4 | 346.9 | 341.3 | 335.7 | 330.2 | 324.6 |
| 57.5° | 334.3 | 318.1 | 302.0 | 291.6 | 287.0 | 282.2 | 277.6 | 272.9 |
| 60° | 293.3 | 278.4 | 263.5 | 253.7 | 248.9 | 244.3 | 239.5 | 234.9 |
| 62.5° | 257.9 | 243.6 | 229.4 | 220.8 | 218.0 | 215.2 | 212.3 | 209.6 |
| 65° | 209.7 | 199.7 | 189.7 | 184.3 | 183.4 | 182.5 | 181.7 | 180.8 |
| 67.5° | 169.3 | 164.7 | 160.1 | 157.3 | 156.4 | 155.5 | 154.5 | 153.6 |
| 70° | 147.2 | 144.3 | 141.4 | 139.3 | 138.1 | 136.9 | 135.8 | 134.6 |
| 72.5° | 128.1 | 125.6 | 123.1 | 121.6 | 120.9 | 120.2 | 119.4 | 118.7 |
| 75° | 101.4 | 99.4 | 97.4 | 96.2 | 95.9 | 95.6 | 95.3 | 95.0 |
| 77.5° | 76.8 | 75.7 | 74.5 | 73.6 | 73.2 | 72.8 | 72.2 | 71.8 |
| 80° | 61.0 | 59.8 | 58.6 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| 82.5° | 46.1 | 45.4 | 44.7 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| 85° | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 |
| 87.5° | 12.3 | 12.1 | 11.7 | 11.6 | 11.6 | 11.7 | 11.7 | 11.7 |
| 90° | 21.8 | 21.5 | 21.3 | 21.2 | 21.3 | 21.4 | 21.6 | 21.7 |
| 92.5° | 20.4 | 20.5 | 20.6 | 20.6 | 20.6 | 20.7 | 20.7 | 20.7 |
| 95° | 40.9 | 40.9 | 40.9 | 40.7 | 40.5 | 40.2 | 39.9 | 39.6 |
| 97.5° | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.6 | 68.6 |
| 100° | 88.2 | 88.2 | 88.2 | 88.1 | 88.0 | 87.8 | 87.6 | 87.6 |
| 102.5° | 109.3 | 109.4 | 109.6 | 109.6 | 109.4 | 109.3 | 109.2 | 109.0 |
| 105° | 141.1 | 141.4 | 141.7 | 141.8 | 141.8 | 141.8 | 141.8 | 141.8 |
| 107.5° | 175.4 | 175.6 | 175.6 | 175.4 | 174.7 | 174.1 | 173.4 | 172.8 |
| 110° | 198.7 | 198.7 | 198.7 | 198.5 | 198.0 | 197.6 | 197.2 | 196.8 |



TEST NUMBER: P331852-935

CATALOG NUMBER: S122RDIW-S1005D710U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 222.1 | 221.7 | 221.4 | 221.0 | 220.8 | 220.4 | 220.1 | 219.8 |
| 115° | 257.9 | 257.7 | 257.5 | 257.3 | 256.8 | 256.4 | 256.0 | 255.5 |
| 117.5° | 292.5 | 292.1 | 291.8 | 291.4 | 290.9 | 290.5 | 290.1 | 289.6 |
| 120° | 315.6 | 315.6 | 315.6 | 315.4 | 315.0 | 314.5 | 314.1 | 313.7 |
| 122.5° | 339.5 | 339.1 | 338.8 | 338.5 | 338.1 | 337.9 | 337.5 | 337.3 |
| 125° | 374.8 | 374.4 | 373.9 | 373.7 | 373.6 | 373.4 | 373.2 | 373.2 |
| 127.5° | 409.1 | 408.6 | 408.1 | 407.7 | 407.2 | 406.7 | 406.3 | 405.9 |
| 130° | 432.7 | 432.3 | 432.0 | 431.6 | 431.0 | 430.5 | 429.9 | 429.4 |
| 132.5° | 455.5 | 454.8 | 454.2 | 453.7 | 453.2 | 452.7 | 452.3 | 451.9 |
| 135° | 489.1 | 489.0 | 488.9 | 488.5 | 488.1 | 487.7 | 487.2 | 486.8 |
| 137.5° | 521.3 | 521.2 | 521.2 | 520.8 | 520.2 | 519.7 | 519.1 | 518.5 |
| 140° | 543.0 | 543.0 | 543.0 | 542.8 | 542.3 | 541.7 | 541.1 | 540.5 |
| 142.5° | 562.7 | 562.8 | 562.9 | 562.7 | 562.1 | 561.5 | 561.0 | 560.4 |
| 145° | 592.5 | 592.7 | 592.8 | 592.6 | 592.0 | 591.5 | 590.9 | 590.4 |
| 147.5° | 618.7 | 619.0 | 619.3 | 619.2 | 618.7 | 618.1 | 617.6 | 617.1 |
| 150° | 635.2 | 635.7 | 636.1 | 636.1 | 635.7 | 635.2 | 634.9 | 634.5 |
| 152.5° | 651.9 | 652.4 | 653.0 | 653.0 | 652.4 | 651.9 | 651.3 | 650.8 |
| 155° | 672.9 | 673.6 | 674.3 | 674.5 | 674.1 | 673.6 | 673.2 | 672.8 |
| 157.5° | 692.3 | 693.3 | 694.2 | 694.4 | 693.7 | 693.0 | 692.3 | 691.6 |
| 160° | 703.9 | 704.7 | 705.6 | 705.7 | 705.2 | 704.6 | 704.0 | 703.4 |
| 162.5° | 714.3 | 715.3 | 716.3 | 716.4 | 715.7 | 715.1 | 714.4 | 713.7 |
| 165° | 727.8 | 728.8 | 729.8 | 730.0 | 729.2 | 728.5 | 727.8 | 727.1 |
| 167.5° | 738.9 | 739.9 | 740.9 | 741.0 | 740.3 | 739.5 | 738.8 | 738.0 |
| 170° | 745.0 | 746.1 | 747.0 | 747.1 | 746.2 | 745.4 | 744.5 | 743.6 |
| 172.5° | 749.7 | 750.6 | 751.7 | 751.7 | 750.9 | 750.0 | 749.2 | 748.3 |
| 175° | 754.6 | 755.6 | 756.6 | 756.6 | 755.8 | 755.0 | 754.1 | 753.3 |
| 177.5° | 756.9 | 757.6 | 758.3 | 758.3 | 757.6 | 756.9 | 756.2 | 755.5 |
| 180° | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 |

(END OF REPORT)