

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: P331745-930

Luminaire Tested: **S122RDIP-S1005D530U930-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331745-930
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: S122RDIP-S1005D530U930-4F0-1E-UDD-F1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 530 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4382.4 lumens
Efficiency: N/A
Efficacy: 79.5 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: Semi-Direct

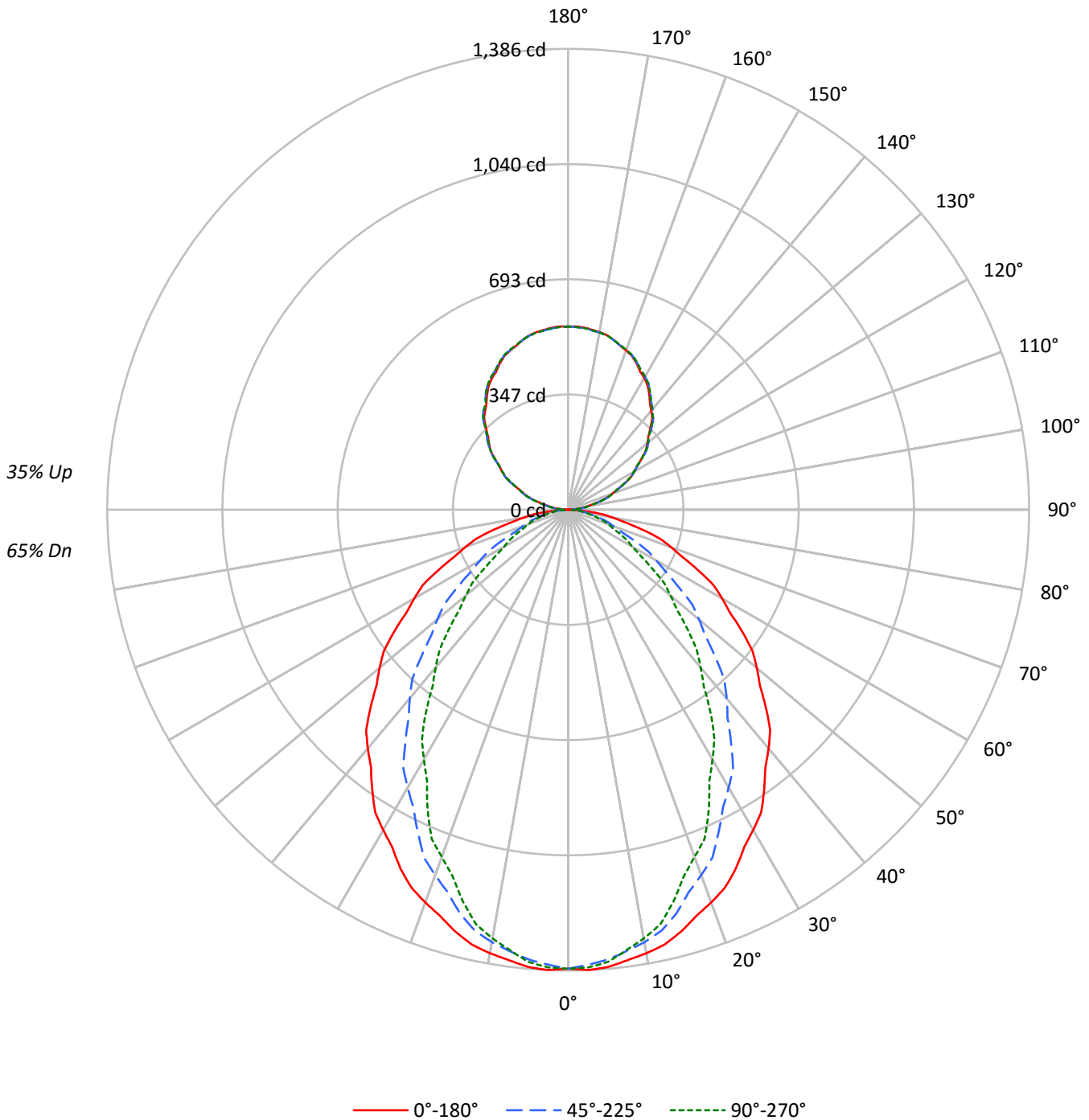
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331745-930

CATALOG NUMBER: S122RDIP-S1005D530U930-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P331745-930

CATALOG NUMBER: S122RDIP-S1005D530U930-4F0-1E-UDD-F1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|--|----|----|----|--|----|----|----|--|----|----|----|----|
| RF | 20 | | | | | 20 | | | | | | 20 | | | | | | | | 20 | | |
| RC | 80 | | | | | 70 | | | | | | 30 | | | | | | | | 10 | 0 | |
| RW | 70 | 50 | 30 | 10 | | 70 | 50 | 30 | 10 | | 50 | 30 | 10 | | 50 | 30 | 10 | | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 111 | 111 | 111 | 111 | | 104 | 104 | 104 | 104 | | 92 | 92 | 92 | | 80 | 80 | 80 | | 70 | 70 | 70 | 65 |
| 1 | 102 | 98 | 94 | 90 | | 96 | 92 | 89 | 86 | | 81 | 79 | 77 | | 72 | 70 | 68 | | 63 | 61 | 60 | 56 |
| 2 | 93 | 86 | 80 | 75 | | 87 | 81 | 76 | 71 | | 72 | 68 | 64 | | 64 | 61 | 58 | | 56 | 54 | 52 | 48 |
| 3 | 85 | 76 | 69 | 63 | | 80 | 72 | 66 | 60 | | 64 | 59 | 55 | | 57 | 53 | 50 | | 50 | 47 | 45 | 41 |
| 4 | 78 | 68 | 60 | 54 | | 74 | 64 | 57 | 52 | | 57 | 52 | 47 | | 51 | 47 | 43 | | 45 | 42 | 39 | 36 |
| 5 | 72 | 61 | 53 | 47 | | 68 | 58 | 50 | 45 | | 52 | 46 | 41 | | 46 | 42 | 38 | | 41 | 37 | 34 | 32 |
| 6 | 67 | 55 | 47 | 41 | | 63 | 52 | 45 | 40 | | 47 | 41 | 37 | | 42 | 37 | 34 | | 37 | 34 | 31 | 28 |
| 7 | 62 | 50 | 42 | 36 | | 58 | 47 | 40 | 35 | | 43 | 37 | 33 | | 38 | 34 | 30 | | 34 | 30 | 28 | 25 |
| 8 | 58 | 46 | 38 | 33 | | 54 | 43 | 36 | 31 | | 39 | 33 | 29 | | 35 | 31 | 27 | | 32 | 28 | 25 | 23 |
| 9 | 54 | 42 | 34 | 29 | | 51 | 40 | 33 | 28 | | 36 | 30 | 26 | | 33 | 28 | 25 | | 29 | 26 | 23 | 21 |
| 10 | 51 | 39 | 31 | 27 | | 48 | 37 | 30 | 26 | | 34 | 28 | 24 | | 30 | 26 | 22 | | 27 | 24 | 21 | 19 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 22291 | 22291 | 22291 |
| 5° | 22376 | 22013 | 22135 |
| 10° | 22207 | 21653 | 21469 |
| 15° | 21951 | 21010 | 20404 |
| 20° | 21596 | 20094 | 19086 |
| 25° | 21235 | 19053 | 17808 |
| 30° | 20734 | 17984 | 16168 |
| 35° | 20243 | 16821 | 14728 |
| 40° | 19751 | 15616 | 13061 |
| 45° | 19173 | 14266 | 11556 |
| 50° | 18580 | 12901 | 10073 |
| 55° | 17973 | 11431 | 8653 |
| 60° | 17270 | 9884 | 7182 |
| 65° | 16466 | 8306 | 6541 |
| 70° | 15512 | 6845 | 6014 |
| 75° | 14342 | 6238 | 5608 |
| 80° | 12664 | 5579 | 5114 |
| 85° | 9948 | 4390 | 4390 |



TEST NUMBER: P331745-930

CATALOG NUMBER: S122RDIP-S1005D530U930-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 129.2 | 2.9 |
| 10°-20° | 354.8 | 8.1 |
| 20°-30° | 498.3 | 11.4 |
| 30°-40° | 543.4 | 12.4 |
| 40°-50° | 499.6 | 11.4 |
| 50°-60° | 392.4 | 9.0 |
| 60°-70° | 255.8 | 5.8 |
| 70°-80° | 131.9 | 3.0 |
| 80°-90° | 36.4 | 0.8 |
| 90°-100° | 34.9 | 0.8 |
| 100°-110° | 108.4 | 2.5 |
| 110°-120° | 185.3 | 4.2 |
| 120°-130° | 243.7 | 5.6 |
| 130°-140° | 273.5 | 6.2 |
| 140°-150° | 268.2 | 6.1 |
| 150°-160° | 225.0 | 5.1 |
| 160°-170° | 149.2 | 3.4 |
| 170°-180° | 52.2 | 1.2 |
| 0°-30° | 982.4 | 22.4 |
| 0°-40° | 1525.7 | 34.8 |
| 0°-60° | 2417.7 | 55.2 |
| 0°-90° | 2841.9 | 64.8 |
| 90°-120° | 328.7 | 7.5 |
| 90°-150° | 1114.2 | 25.4 |
| 90°-180° | 1540.0 | 35.1 |
| 0°-180° | 4382.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1381 | 1381 | 1381 | 1381 | 1381 | |
| 5° | 1381 | 1374 | 1358 | 1369 | 1366 | 131 |
| 15° | 1313 | 1298 | 1257 | 1234 | 1221 | 370 |
| 25° | 1192 | 1150 | 1070 | 1020 | 1000 | 548 |
| 35° | 1027 | 961 | 853 | 778 | 747 | 642 |
| 45° | 840 | 753 | 625 | 539 | 506 | 648 |
| 55° | 638 | 539 | 406 | 334 | 307 | 570 |
| 65° | 431 | 329 | 217 | 177 | 171 | 427 |
| 75° | 230 | 145 | 100 | 92 | 90 | 243 |
| 85° | 54 | 29 | 24 | 24 | 24 | 63 |
| 90° | 0 | 6 | 16 | 15 | 16 | 3 |
| 95° | 24 | 29 | 30 | 30 | 29 | 28 |
| 105° | 100 | 101 | 102 | 103 | 103 | 106 |
| 115° | 186 | 189 | 188 | 187 | 186 | 184 |
| 125° | 271 | 274 | 273 | 272 | 272 | 242 |
| 135° | 350 | 355 | 356 | 356 | 354 | 270 |
| 145° | 425 | 428 | 431 | 431 | 430 | 265 |
| 155° | 486 | 487 | 489 | 491 | 490 | 224 |
| 165° | 529 | 528 | 528 | 531 | 529 | 149 |
| 175° | 550 | 549 | 548 | 551 | 548 | 52 |
| 180° | 551 | 551 | 551 | 551 | 551 | |



TEST NUMBER: P331745-930

CATALOG NUMBER: S122RDIP-S1005D530U930-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1380.6 | 1380.6 | 1380.6 | 1380.6 | 1380.6 | 1380.6 | 1380.6 | 1380.6 | 1380.6 | 1380.6 | 1380.6 |
| 2.5° | 1385.7 | 1384.5 | 1383.4 | 1382.3 | 1381.2 | 1379.4 | 1377.0 | 1374.6 | 1372.1 | 1369.7 | 1371.9 |
| 5° | 1380.6 | 1379.2 | 1377.9 | 1376.5 | 1375.1 | 1372.6 | 1369.0 | 1365.4 | 1361.8 | 1358.2 | 1360.7 |
| 7.5° | 1366.4 | 1364.7 | 1363.0 | 1361.2 | 1359.5 | 1356.6 | 1352.3 | 1348.1 | 1343.9 | 1339.7 | 1340.4 |
| 10° | 1354.5 | 1352.5 | 1350.5 | 1348.6 | 1346.6 | 1342.9 | 1337.3 | 1331.8 | 1326.2 | 1320.7 | 1319.9 |
| 12.5° | 1339.5 | 1337.0 | 1334.6 | 1332.3 | 1329.9 | 1325.1 | 1318.0 | 1310.9 | 1303.8 | 1296.7 | 1295.2 |
| 15° | 1313.2 | 1310.1 | 1307.1 | 1304.0 | 1301.0 | 1294.7 | 1285.3 | 1275.9 | 1266.4 | 1256.9 | 1251.7 |
| 17.5° | 1280.9 | 1276.3 | 1271.6 | 1267.0 | 1262.3 | 1253.9 | 1241.8 | 1229.7 | 1217.6 | 1205.5 | 1199.2 |
| 20° | 1256.9 | 1251.4 | 1245.9 | 1240.3 | 1234.8 | 1225.1 | 1211.1 | 1197.3 | 1183.4 | 1169.5 | 1162.5 |
| 22.5° | 1230.9 | 1224.7 | 1218.5 | 1212.4 | 1206.1 | 1195.1 | 1179.5 | 1163.8 | 1148.2 | 1132.5 | 1123.6 |
| 25° | 1192.0 | 1183.1 | 1174.2 | 1165.3 | 1156.4 | 1142.9 | 1124.5 | 1106.2 | 1087.9 | 1069.5 | 1058.2 |
| 27.5° | 1145.0 | 1135.4 | 1125.7 | 1116.1 | 1106.4 | 1091.2 | 1070.6 | 1049.9 | 1029.2 | 1008.6 | 995.3 |
| 30° | 1112.1 | 1101.5 | 1091.0 | 1080.4 | 1069.8 | 1053.4 | 1031.2 | 1009.0 | 986.8 | 964.6 | 950.4 |
| 32.5° | 1080.0 | 1067.7 | 1055.4 | 1043.1 | 1030.7 | 1013.3 | 990.6 | 967.9 | 945.3 | 922.6 | 906.4 |
| 35° | 1027.0 | 1012.9 | 998.7 | 984.6 | 970.5 | 951.1 | 926.7 | 902.3 | 877.8 | 853.4 | 835.9 |
| 37.5° | 974.1 | 958.5 | 943.0 | 927.4 | 911.9 | 891.1 | 865.0 | 839.0 | 812.9 | 786.9 | 767.7 |
| 40° | 937.1 | 920.5 | 903.8 | 887.1 | 870.5 | 848.6 | 821.7 | 794.8 | 767.8 | 740.9 | 721.2 |
| 42.5° | 899.1 | 881.6 | 864.1 | 846.4 | 828.9 | 806.2 | 778.4 | 750.6 | 722.8 | 695.0 | 674.6 |
| 45° | 839.7 | 821.0 | 802.4 | 783.8 | 765.2 | 741.4 | 712.2 | 683.1 | 653.9 | 624.8 | 605.0 |
| 47.5° | 781.6 | 762.0 | 742.2 | 722.5 | 702.8 | 677.9 | 647.8 | 617.7 | 587.6 | 557.5 | 537.9 |
| 50° | 739.7 | 720.0 | 700.3 | 680.5 | 660.8 | 635.7 | 605.2 | 574.6 | 544.0 | 513.6 | 494.4 |
| 52.5° | 698.7 | 678.1 | 657.5 | 636.9 | 616.3 | 591.1 | 561.2 | 531.3 | 501.4 | 471.6 | 453.1 |
| 55° | 638.5 | 616.9 | 595.2 | 573.5 | 551.9 | 526.0 | 496.0 | 466.0 | 436.1 | 406.1 | 389.4 |
| 57.5° | 576.7 | 554.6 | 532.3 | 510.1 | 487.9 | 462.4 | 433.6 | 404.7 | 375.9 | 347.1 | 331.8 |
| 60° | 534.8 | 512.6 | 490.3 | 468.1 | 445.9 | 420.5 | 391.9 | 363.3 | 334.7 | 306.1 | 292.0 |
| 62.5° | 493.8 | 471.6 | 449.4 | 427.1 | 405.0 | 380.2 | 352.9 | 325.6 | 298.4 | 271.2 | 257.6 |
| 65° | 431.0 | 408.5 | 386.1 | 363.6 | 341.1 | 317.4 | 292.4 | 267.4 | 242.4 | 217.4 | 208.0 |
| 67.5° | 370.6 | 348.3 | 326.0 | 303.6 | 281.3 | 258.9 | 236.4 | 213.9 | 191.4 | 168.9 | 164.6 |
| 70° | 328.6 | 307.0 | 285.3 | 263.7 | 242.0 | 221.6 | 202.4 | 183.3 | 164.1 | 145.0 | 142.2 |
| 72.5° | 288.6 | 267.8 | 247.1 | 226.3 | 205.5 | 187.4 | 172.1 | 156.7 | 141.3 | 126.0 | 123.6 |
| 75° | 229.9 | 210.4 | 191.0 | 171.6 | 152.1 | 137.7 | 128.2 | 118.9 | 109.4 | 100.0 | 98.0 |
| 77.5° | 172.2 | 155.2 | 138.1 | 121.1 | 104.0 | 93.2 | 88.6 | 84.1 | 79.5 | 75.0 | 73.9 |
| 80° | 136.2 | 122.1 | 107.9 | 93.7 | 79.6 | 71.1 | 68.3 | 65.6 | 62.8 | 60.0 | 58.9 |
| 82.5° | 103.2 | 92.1 | 81.1 | 70.0 | 59.0 | 52.5 | 50.6 | 48.8 | 46.9 | 45.0 | 44.4 |
| 85° | 53.7 | 47.9 | 42.1 | 36.2 | 30.4 | 27.1 | 26.3 | 25.4 | 24.5 | 23.7 | 23.7 |
| 87.5° | 16.1 | 14.6 | 13.0 | 11.5 | 9.9 | 9.5 | 9.9 | 10.4 | 10.8 | 11.3 | 11.0 |
| 90° | 0.5 | 1.7 | 2.9 | 4.2 | 5.5 | 7.2 | 9.5 | 11.7 | 14.0 | 16.3 | 16.1 |
| 92.5° | 8.3 | 9.2 | 10.1 | 11.0 | 11.9 | 12.6 | 13.2 | 13.7 | 14.3 | 14.8 | 14.8 |
| 95° | 24.2 | 25.2 | 26.3 | 27.3 | 28.3 | 28.9 | 29.1 | 29.4 | 29.5 | 29.8 | 29.8 |
| 97.5° | 44.2 | 45.1 | 46.0 | 46.9 | 47.8 | 48.4 | 48.8 | 49.2 | 49.7 | 50.1 | 50.1 |
| 100° | 59.0 | 59.8 | 60.7 | 61.6 | 62.4 | 62.9 | 63.3 | 63.5 | 63.8 | 64.2 | 64.2 |
| 102.5° | 74.7 | 75.3 | 76.0 | 76.6 | 77.3 | 77.9 | 78.3 | 78.6 | 79.0 | 79.4 | 79.5 |
| 105° | 100.0 | 100.3 | 100.6 | 100.9 | 101.2 | 101.4 | 101.7 | 101.8 | 102.1 | 102.3 | 102.5 |
| 107.5° | 125.5 | 125.9 | 126.4 | 126.8 | 127.3 | 127.5 | 127.5 | 127.5 | 127.5 | 127.5 | 127.6 |
| 110° | 141.8 | 142.4 | 143.0 | 143.7 | 144.3 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 |



TEST NUMBER: P331745-930

CATALOG NUMBER: S122RDIP-S1005D530U930-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 159.6 | 160.3 | 160.9 | 161.5 | 162.2 | 162.4 | 162.3 | 162.2 | 162.2 | 162.1 | 161.8 |
| 115° | 186.0 | 186.6 | 187.2 | 187.8 | 188.4 | 188.7 | 188.4 | 188.3 | 188.0 | 187.8 | 187.8 |
| 117.5° | 212.2 | 213.0 | 213.9 | 214.7 | 215.5 | 215.6 | 215.1 | 214.4 | 213.9 | 213.3 | 213.0 |
| 120° | 229.7 | 230.5 | 231.3 | 232.1 | 233.0 | 233.0 | 232.1 | 231.3 | 230.5 | 229.7 | 229.7 |
| 122.5° | 245.6 | 246.6 | 247.7 | 248.7 | 249.6 | 249.8 | 249.2 | 248.7 | 248.1 | 247.5 | 247.3 |
| 125° | 270.6 | 271.5 | 272.5 | 273.4 | 274.3 | 274.6 | 274.3 | 274.0 | 273.7 | 273.4 | 273.0 |
| 127.5° | 294.8 | 296.0 | 297.2 | 298.4 | 299.5 | 299.9 | 299.6 | 299.2 | 298.9 | 298.5 | 298.1 |
| 130° | 310.1 | 311.4 | 312.7 | 314.1 | 315.4 | 316.0 | 315.8 | 315.6 | 315.4 | 315.2 | 315.0 |
| 132.5° | 327.2 | 328.3 | 329.4 | 330.5 | 331.6 | 332.2 | 332.2 | 332.2 | 332.3 | 332.3 | 331.9 |
| 135° | 350.1 | 351.2 | 352.4 | 353.5 | 354.7 | 355.3 | 355.5 | 355.7 | 356.0 | 356.1 | 356.0 |
| 137.5° | 374.1 | 375.1 | 376.0 | 377.0 | 377.9 | 378.5 | 378.8 | 379.0 | 379.3 | 379.5 | 379.4 |
| 140° | 388.7 | 389.6 | 390.5 | 391.4 | 392.4 | 393.1 | 393.6 | 394.1 | 394.7 | 395.2 | 395.2 |
| 142.5° | 403.6 | 404.5 | 405.4 | 406.3 | 407.2 | 407.9 | 408.3 | 408.6 | 409.0 | 409.3 | 409.4 |
| 145° | 424.9 | 425.7 | 426.4 | 427.1 | 427.9 | 428.5 | 429.1 | 429.7 | 430.4 | 431.0 | 431.0 |
| 147.5° | 444.0 | 444.8 | 445.7 | 446.6 | 447.4 | 448.1 | 448.5 | 448.9 | 449.3 | 449.8 | 450.0 |
| 150° | 457.1 | 457.6 | 458.3 | 458.9 | 459.5 | 460.0 | 460.4 | 460.8 | 461.2 | 461.7 | 461.9 |
| 152.5° | 468.6 | 469.2 | 469.8 | 470.4 | 471.0 | 471.6 | 472.1 | 472.5 | 473.0 | 473.6 | 473.9 |
| 155° | 485.8 | 486.2 | 486.5 | 486.7 | 487.1 | 487.4 | 487.7 | 488.0 | 488.3 | 488.6 | 489.2 |
| 157.5° | 500.6 | 500.8 | 501.0 | 501.2 | 501.5 | 501.7 | 501.8 | 502.1 | 502.2 | 502.4 | 503.1 |
| 160° | 509.6 | 509.7 | 510.0 | 510.1 | 510.4 | 510.5 | 510.6 | 510.7 | 510.9 | 510.9 | 511.6 |
| 162.5° | 517.7 | 517.8 | 517.8 | 517.9 | 517.9 | 518.0 | 518.0 | 518.2 | 518.3 | 518.4 | 519.1 |
| 165° | 528.6 | 528.5 | 528.4 | 528.3 | 528.2 | 528.2 | 528.2 | 528.2 | 528.2 | 528.2 | 528.9 |
| 167.5° | 537.7 | 537.4 | 537.1 | 536.8 | 536.5 | 536.3 | 536.3 | 536.3 | 536.2 | 536.2 | 537.0 |
| 170° | 542.6 | 542.3 | 541.9 | 541.6 | 541.4 | 541.1 | 541.0 | 540.9 | 540.8 | 540.7 | 541.4 |
| 172.5° | 545.9 | 545.6 | 545.3 | 544.9 | 544.7 | 544.5 | 544.4 | 544.3 | 544.1 | 544.0 | 544.8 |
| 175° | 550.0 | 549.7 | 549.3 | 549.1 | 548.8 | 548.5 | 548.3 | 548.1 | 547.9 | 547.6 | 548.4 |
| 177.5° | 551.7 | 551.4 | 551.1 | 550.9 | 550.7 | 550.5 | 550.3 | 550.2 | 550.0 | 549.8 | 550.3 |
| 180° | 550.9 | 550.9 | 550.9 | 550.9 | 550.9 | 550.9 | 550.9 | 550.9 | 550.9 | 550.9 | 550.9 |



TEST NUMBER: P331745-930

CATALOG NUMBER: S122RDIP-S1005D530U930-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1380.6 | 1380.6 | 1380.6 | 1380.6 | 1380.6 | 1380.6 | 1380.6 | 1380.6 |
| 2.5° | 1374.1 | 1376.3 | 1378.6 | 1379.4 | 1379.0 | 1378.6 | 1378.1 | 1377.7 |
| 5° | 1363.2 | 1365.7 | 1368.2 | 1369.0 | 1368.2 | 1367.3 | 1366.5 | 1365.7 |
| 7.5° | 1341.1 | 1341.8 | 1342.6 | 1342.2 | 1340.8 | 1339.3 | 1337.9 | 1336.4 |
| 10° | 1319.0 | 1318.2 | 1317.4 | 1316.1 | 1314.4 | 1312.8 | 1311.1 | 1309.5 |
| 12.5° | 1293.7 | 1292.2 | 1290.7 | 1288.6 | 1285.8 | 1283.0 | 1280.3 | 1277.5 |
| 15° | 1246.4 | 1241.1 | 1235.8 | 1231.8 | 1229.1 | 1226.3 | 1223.5 | 1220.7 |
| 17.5° | 1192.9 | 1186.7 | 1180.4 | 1174.8 | 1170.1 | 1165.3 | 1160.5 | 1155.8 |
| 20° | 1155.6 | 1148.7 | 1141.7 | 1135.2 | 1129.1 | 1123.0 | 1116.9 | 1110.8 |
| 22.5° | 1114.7 | 1105.7 | 1096.7 | 1090.0 | 1085.5 | 1080.9 | 1076.4 | 1071.8 |
| 25° | 1046.8 | 1035.4 | 1024.0 | 1016.3 | 1012.0 | 1007.9 | 1003.7 | 999.6 |
| 27.5° | 982.0 | 968.7 | 955.4 | 945.5 | 938.9 | 932.3 | 925.7 | 919.1 |
| 30° | 936.3 | 922.1 | 907.9 | 897.2 | 889.7 | 882.2 | 874.7 | 867.2 |
| 32.5° | 890.3 | 874.2 | 857.9 | 846.4 | 839.4 | 832.3 | 825.2 | 818.2 |
| 35° | 818.4 | 801.0 | 783.4 | 771.6 | 765.5 | 759.4 | 753.3 | 747.2 |
| 37.5° | 748.4 | 729.1 | 709.8 | 696.7 | 689.7 | 682.7 | 675.7 | 668.7 |
| 40° | 701.5 | 681.8 | 662.1 | 648.7 | 641.4 | 634.1 | 627.0 | 619.7 |
| 42.5° | 654.2 | 633.8 | 613.4 | 599.7 | 592.7 | 585.7 | 578.8 | 571.8 |
| 45° | 585.3 | 565.6 | 545.8 | 532.7 | 526.0 | 519.3 | 512.7 | 506.1 |
| 47.5° | 518.3 | 498.7 | 479.1 | 466.3 | 460.2 | 454.2 | 448.1 | 442.1 |
| 50° | 475.2 | 456.1 | 436.9 | 424.4 | 418.6 | 412.7 | 406.9 | 401.0 |
| 52.5° | 434.6 | 416.0 | 397.6 | 385.6 | 380.3 | 374.9 | 369.5 | 364.1 |
| 55° | 372.8 | 356.1 | 339.4 | 328.5 | 323.2 | 317.9 | 312.7 | 307.4 |
| 57.5° | 316.6 | 301.3 | 286.0 | 276.1 | 271.7 | 267.3 | 262.9 | 258.4 |
| 60° | 277.8 | 263.7 | 249.5 | 240.2 | 235.7 | 231.3 | 226.8 | 222.4 |
| 62.5° | 244.2 | 230.6 | 217.2 | 209.0 | 206.4 | 203.7 | 201.1 | 198.4 |
| 65° | 198.5 | 189.1 | 179.6 | 174.5 | 173.7 | 172.8 | 172.0 | 171.2 |
| 67.5° | 160.3 | 156.0 | 151.6 | 149.0 | 148.1 | 147.2 | 146.3 | 145.4 |
| 70° | 139.4 | 136.6 | 133.9 | 131.9 | 130.8 | 129.6 | 128.6 | 127.4 |
| 72.5° | 121.3 | 119.0 | 116.6 | 115.1 | 114.5 | 113.8 | 113.1 | 112.4 |
| 75° | 96.0 | 94.2 | 92.2 | 91.1 | 90.8 | 90.5 | 90.3 | 89.9 |
| 77.5° | 72.7 | 71.7 | 70.5 | 69.7 | 69.3 | 68.9 | 68.4 | 68.0 |
| 80° | 57.7 | 56.7 | 55.5 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| 82.5° | 43.6 | 43.0 | 42.3 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| 85° | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 |
| 87.5° | 10.8 | 10.4 | 10.2 | 10.1 | 10.1 | 10.1 | 10.1 | 10.2 |
| 90° | 15.9 | 15.7 | 15.4 | 15.4 | 15.5 | 15.6 | 15.7 | 15.8 |
| 92.5° | 14.8 | 14.9 | 14.9 | 15.0 | 15.0 | 15.0 | 15.1 | 15.1 |
| 95° | 29.8 | 29.8 | 29.8 | 29.7 | 29.4 | 29.3 | 29.0 | 28.9 |
| 97.5° | 50.1 | 50.1 | 50.1 | 50.0 | 50.0 | 50.0 | 50.0 | 49.9 |
| 100° | 64.2 | 64.2 | 64.2 | 64.1 | 64.0 | 63.9 | 63.8 | 63.7 |
| 102.5° | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.5 | 79.4 | 79.3 |
| 105° | 102.7 | 102.9 | 103.1 | 103.2 | 103.2 | 103.2 | 103.2 | 103.2 |
| 107.5° | 127.7 | 127.8 | 127.8 | 127.6 | 127.1 | 126.7 | 126.2 | 125.7 |
| 110° | 144.6 | 144.6 | 144.6 | 144.5 | 144.1 | 143.8 | 143.5 | 143.2 |



TEST NUMBER: P331745-930

CATALOG NUMBER: S122RDIP-S1005D530U930-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 161.6 | 161.3 | 161.1 | 160.9 | 160.6 | 160.4 | 160.1 | 160.0 |
| 115° | 187.6 | 187.5 | 187.4 | 187.2 | 186.9 | 186.6 | 186.3 | 186.0 |
| 117.5° | 212.8 | 212.5 | 212.3 | 212.1 | 211.7 | 211.4 | 211.1 | 210.8 |
| 120° | 229.7 | 229.7 | 229.7 | 229.5 | 229.2 | 228.9 | 228.6 | 228.3 |
| 122.5° | 247.0 | 246.8 | 246.5 | 246.3 | 246.1 | 245.8 | 245.6 | 245.4 |
| 125° | 272.7 | 272.5 | 272.1 | 271.9 | 271.8 | 271.7 | 271.6 | 271.5 |
| 127.5° | 297.7 | 297.3 | 297.0 | 296.6 | 296.3 | 296.0 | 295.6 | 295.3 |
| 130° | 314.8 | 314.6 | 314.4 | 314.1 | 313.6 | 313.2 | 312.8 | 312.4 |
| 132.5° | 331.4 | 330.9 | 330.5 | 330.1 | 329.8 | 329.5 | 329.1 | 328.8 |
| 135° | 356.0 | 355.8 | 355.7 | 355.5 | 355.2 | 354.9 | 354.6 | 354.2 |
| 137.5° | 379.4 | 379.3 | 379.2 | 379.0 | 378.5 | 378.1 | 377.7 | 377.3 |
| 140° | 395.2 | 395.2 | 395.2 | 395.0 | 394.5 | 394.1 | 393.7 | 393.3 |
| 142.5° | 409.4 | 409.5 | 409.6 | 409.4 | 409.0 | 408.6 | 408.2 | 407.8 |
| 145° | 431.2 | 431.3 | 431.4 | 431.2 | 430.8 | 430.4 | 430.0 | 429.6 |
| 147.5° | 450.2 | 450.5 | 450.7 | 450.6 | 450.2 | 449.8 | 449.4 | 449.0 |
| 150° | 462.3 | 462.6 | 462.9 | 462.9 | 462.6 | 462.3 | 461.9 | 461.7 |
| 152.5° | 474.3 | 474.7 | 475.2 | 475.2 | 474.7 | 474.3 | 473.9 | 473.6 |
| 155° | 489.7 | 490.2 | 490.7 | 490.8 | 490.5 | 490.2 | 489.8 | 489.6 |
| 157.5° | 503.8 | 504.5 | 505.2 | 505.3 | 504.8 | 504.3 | 503.9 | 503.3 |
| 160° | 512.2 | 512.8 | 513.4 | 513.6 | 513.1 | 512.7 | 512.3 | 511.8 |
| 162.5° | 519.8 | 520.5 | 521.2 | 521.3 | 520.8 | 520.3 | 519.8 | 519.3 |
| 165° | 529.6 | 530.4 | 531.0 | 531.2 | 530.6 | 530.1 | 529.6 | 529.0 |
| 167.5° | 537.7 | 538.4 | 539.2 | 539.2 | 538.7 | 538.2 | 537.6 | 537.0 |
| 170° | 542.2 | 542.9 | 543.6 | 543.6 | 543.0 | 542.4 | 541.8 | 541.2 |
| 172.5° | 545.5 | 546.3 | 546.9 | 547.0 | 546.4 | 545.8 | 545.1 | 544.5 |
| 175° | 549.1 | 549.8 | 550.6 | 550.7 | 550.0 | 549.3 | 548.8 | 548.1 |
| 177.5° | 550.8 | 551.3 | 551.8 | 551.8 | 551.3 | 550.8 | 550.3 | 549.8 |
| 180° | 550.9 | 550.9 | 550.9 | 550.9 | 550.9 | 550.9 | 550.9 | 550.9 |

(END OF REPORT)