

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: P331435-940

Luminaire Tested: **S122DIP-S1005D530U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331435-940
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: S122DIP-S1005D530U940-4F0-1E-UDD-F
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 530 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5502.1 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.3
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

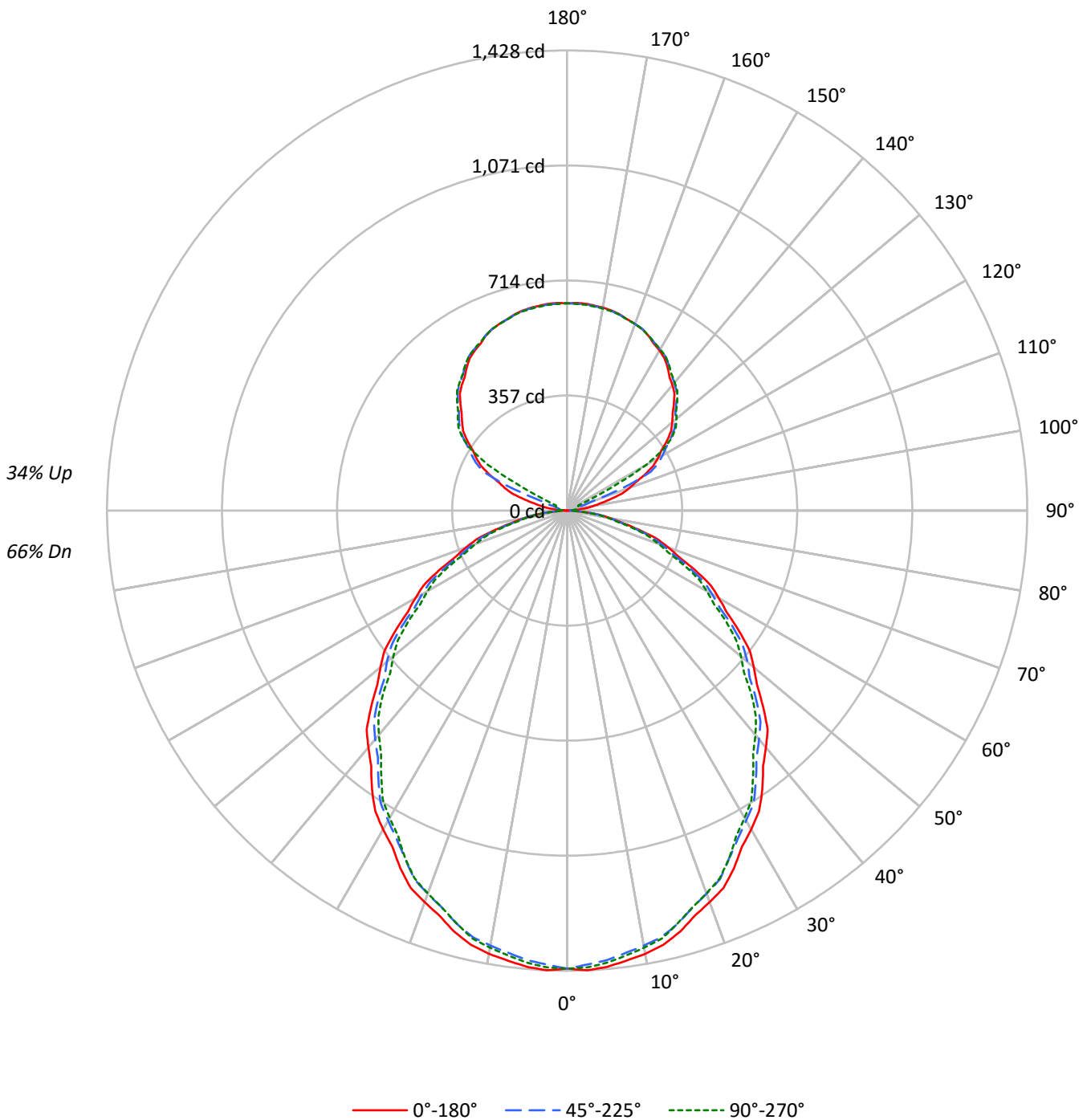
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331435-940

CATALOG NUMBER: S122DIP-S1005D530U940-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P331435-940

CATALOG NUMBER: S122DIP-S1005D530U940-4F0-1E-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 92 | 92 | 92 | 81 | 81 | 81 | 71 | 71 | 71 | 66 |
| 1 | 101 | 97 | 93 | 89 | 95 | 91 | 88 | 85 | 81 | 78 | 76 | 71 | 69 | 67 | 62 | 61 | 60 | 55 |
| 2 | 92 | 85 | 78 | 73 | 87 | 80 | 74 | 70 | 71 | 67 | 63 | 63 | 59 | 56 | 55 | 52 | 50 | 46 |
| 3 | 84 | 74 | 67 | 61 | 79 | 70 | 64 | 58 | 63 | 57 | 53 | 55 | 51 | 48 | 49 | 46 | 43 | 39 |
| 4 | 77 | 66 | 58 | 52 | 72 | 62 | 55 | 49 | 56 | 50 | 45 | 49 | 45 | 41 | 44 | 40 | 37 | 34 |
| 5 | 71 | 59 | 51 | 44 | 66 | 56 | 48 | 43 | 50 | 44 | 39 | 44 | 39 | 36 | 39 | 35 | 32 | 29 |
| 6 | 65 | 53 | 45 | 39 | 61 | 50 | 43 | 37 | 45 | 39 | 34 | 40 | 35 | 31 | 36 | 32 | 28 | 26 |
| 7 | 61 | 48 | 40 | 34 | 57 | 45 | 38 | 33 | 41 | 35 | 30 | 37 | 32 | 28 | 33 | 28 | 25 | 23 |
| 8 | 56 | 44 | 36 | 30 | 53 | 41 | 34 | 29 | 37 | 31 | 27 | 34 | 28 | 25 | 30 | 26 | 23 | 20 |
| 9 | 52 | 40 | 32 | 27 | 49 | 38 | 31 | 26 | 34 | 28 | 24 | 31 | 26 | 22 | 28 | 24 | 20 | 18 |
| 10 | 49 | 37 | 29 | 24 | 46 | 35 | 28 | 24 | 32 | 26 | 22 | 29 | 24 | 20 | 26 | 22 | 19 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 22946 | 22946 | 22946 |
| 5° | 23034 | 22702 | 22835 |
| 10° | 22897 | 22471 | 22584 |
| 15° | 22614 | 22181 | 22158 |
| 20° | 22213 | 21742 | 21720 |
| 25° | 21814 | 21205 | 21205 |
| 30° | 21300 | 20713 | 20534 |
| 35° | 20820 | 20120 | 19825 |
| 40° | 20219 | 19530 | 19153 |
| 45° | 19628 | 18941 | 18472 |
| 50° | 18982 | 18331 | 17678 |
| 55° | 18311 | 17619 | 16963 |
| 60° | 17563 | 16769 | 16152 |
| 65° | 16756 | 15924 | 15194 |
| 70° | 15739 | 14903 | 14195 |
| 75° | 14323 | 13724 | 13381 |
| 80° | 12710 | 12329 | 11688 |
| 85° | 10374 | 9874 | 8855 |



TEST NUMBER: P331435-940

CATALOG NUMBER: S122DIP-S1005D530U940-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 133.6 | 2.4 |
| 10°-20° | 376.0 | 6.8 |
| 20°-30° | 552.7 | 10.0 |
| 30°-40° | 642.0 | 11.7 |
| 40°-50° | 641.3 | 11.7 |
| 50°-60° | 559.3 | 10.2 |
| 60°-70° | 413.6 | 7.5 |
| 70°-80° | 234.2 | 4.3 |
| 80°-90° | 64.6 | 1.2 |
| 90°-100° | 21.5 | 0.4 |
| 100°-110° | 78.7 | 1.4 |
| 110°-120° | 210.3 | 3.8 |
| 120°-130° | 347.1 | 6.3 |
| 130°-140° | 369.2 | 6.7 |
| 140°-150° | 343.1 | 6.2 |
| 150°-160° | 275.9 | 5.0 |
| 160°-170° | 177.8 | 3.2 |
| 170°-180° | 61.2 | 1.1 |
| 0°-30° | 1062.4 | 19.3 |
| 0°-40° | 1704.4 | 31.0 |
| 0°-60° | 2905.1 | 52.8 |
| 0°-90° | 3617.4 | 65.7 |
| 90°-120° | 310.4 | 5.6 |
| 90°-150° | 1369.9 | 24.9 |
| 90°-180° | 1885.0 | 34.3 |
| 0°-180° | 5502.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1421 | 1421 | 1421 | 1421 | 1421 | |
| 5° | 1421 | 1415 | 1401 | 1411 | 1409 | 135 |
| 15° | 1353 | 1344 | 1327 | 1332 | 1326 | 381 |
| 25° | 1224 | 1213 | 1190 | 1193 | 1190 | 563 |
| 35° | 1056 | 1042 | 1021 | 1013 | 1006 | 659 |
| 45° | 860 | 849 | 830 | 815 | 809 | 663 |
| 55° | 650 | 642 | 626 | 610 | 603 | 581 |
| 65° | 439 | 430 | 417 | 405 | 398 | 434 |
| 75° | 230 | 227 | 220 | 212 | 214 | 245 |
| 85° | 56 | 55 | 53 | 49 | 48 | 64 |
| 90° | 0 | 6 | 9 | 12 | 13 | 4 |
| 95° | 30 | 16 | 18 | 20 | 20 | 37 |
| 105° | 141 | 148 | 28 | 33 | 35 | 151 |
| 115° | 268 | 276 | 287 | 82 | 38 | 263 |
| 125° | 378 | 385 | 393 | 396 | 398 | 337 |
| 135° | 468 | 475 | 480 | 484 | 484 | 361 |
| 145° | 543 | 543 | 550 | 553 | 551 | 340 |
| 155° | 598 | 594 | 599 | 602 | 598 | 275 |
| 165° | 630 | 628 | 629 | 632 | 629 | 178 |
| 175° | 644 | 642 | 642 | 645 | 641 | 61 |
| 180° | 643 | 643 | 643 | 643 | 643 | |



TEST NUMBER: P331435-940

CATALOG NUMBER: S122DIP-S1005D530U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1421.2 | 1421.2 | 1421.2 | 1421.2 | 1421.2 | 1421.2 | 1421.2 | 1421.2 | 1421.2 | 1421.2 | 1421.2 |
| 2.5° | 1427.8 | 1426.6 | 1425.4 | 1424.2 | 1422.9 | 1421.0 | 1418.4 | 1415.7 | 1413.0 | 1410.3 | 1412.7 |
| 5° | 1421.2 | 1420.0 | 1418.8 | 1417.6 | 1416.4 | 1414.1 | 1410.8 | 1407.4 | 1404.1 | 1400.7 | 1403.2 |
| 7.5° | 1408.6 | 1406.8 | 1404.9 | 1403.0 | 1401.1 | 1398.5 | 1395.1 | 1391.7 | 1388.3 | 1384.9 | 1387.3 |
| 10° | 1396.6 | 1394.5 | 1392.4 | 1390.3 | 1388.1 | 1385.3 | 1381.6 | 1378.0 | 1374.3 | 1370.6 | 1373.1 |
| 12.5° | 1380.3 | 1378.3 | 1376.4 | 1374.6 | 1372.7 | 1369.9 | 1366.3 | 1362.6 | 1359.1 | 1355.4 | 1357.1 |
| 15° | 1352.9 | 1351.1 | 1349.2 | 1347.5 | 1345.6 | 1342.7 | 1338.8 | 1334.8 | 1330.9 | 1327.0 | 1328.2 |
| 17.5° | 1317.9 | 1316.1 | 1314.3 | 1312.4 | 1310.6 | 1307.7 | 1303.7 | 1299.7 | 1295.7 | 1291.7 | 1293.1 |
| 20° | 1292.8 | 1290.9 | 1289.1 | 1287.3 | 1285.5 | 1282.5 | 1278.2 | 1274.0 | 1269.7 | 1265.4 | 1266.3 |
| 22.5° | 1267.7 | 1265.1 | 1262.6 | 1260.0 | 1257.4 | 1254.2 | 1250.2 | 1246.2 | 1242.2 | 1238.1 | 1238.3 |
| 25° | 1224.5 | 1222.0 | 1219.6 | 1217.2 | 1214.8 | 1210.9 | 1205.8 | 1200.6 | 1195.4 | 1190.3 | 1190.9 |
| 27.5° | 1175.3 | 1173.0 | 1170.9 | 1168.7 | 1166.5 | 1163.4 | 1159.3 | 1155.2 | 1151.2 | 1147.1 | 1146.2 |
| 30° | 1142.5 | 1140.1 | 1137.6 | 1135.1 | 1132.7 | 1129.3 | 1124.7 | 1120.2 | 1115.6 | 1111.0 | 1110.1 |
| 32.5° | 1107.5 | 1105.5 | 1103.6 | 1101.6 | 1099.7 | 1096.4 | 1091.5 | 1086.7 | 1081.9 | 1077.1 | 1075.5 |
| 35° | 1056.3 | 1053.3 | 1050.3 | 1047.2 | 1044.2 | 1040.3 | 1035.4 | 1030.6 | 1025.7 | 1020.8 | 1019.0 |
| 37.5° | 998.7 | 996.0 | 993.4 | 990.7 | 988.0 | 984.3 | 979.4 | 974.6 | 969.6 | 964.8 | 962.5 |
| 40° | 959.3 | 956.9 | 954.5 | 952.1 | 949.6 | 946.0 | 941.1 | 936.3 | 931.4 | 926.6 | 923.8 |
| 42.5° | 921.0 | 918.6 | 916.2 | 913.8 | 911.3 | 907.7 | 902.9 | 898.0 | 893.1 | 888.2 | 885.3 |
| 45° | 859.6 | 857.5 | 855.3 | 853.2 | 851.0 | 847.7 | 843.2 | 838.7 | 834.1 | 829.5 | 826.2 |
| 47.5° | 798.3 | 796.4 | 794.3 | 792.4 | 790.3 | 786.9 | 782.2 | 777.5 | 772.8 | 768.0 | 764.5 |
| 50° | 755.7 | 754.2 | 752.7 | 751.2 | 749.7 | 746.7 | 742.5 | 738.2 | 734.0 | 729.8 | 725.5 |
| 52.5° | 714.2 | 712.2 | 710.2 | 708.2 | 706.1 | 703.1 | 699.1 | 695.1 | 691.2 | 687.2 | 683.6 |
| 55° | 650.5 | 648.6 | 646.8 | 645.1 | 643.2 | 640.4 | 636.9 | 633.2 | 629.5 | 625.9 | 622.2 |
| 57.5° | 586.6 | 585.1 | 583.6 | 582.2 | 580.7 | 578.0 | 574.0 | 570.0 | 566.0 | 562.0 | 558.4 |
| 60° | 543.9 | 542.7 | 541.4 | 540.3 | 539.0 | 536.3 | 532.1 | 527.8 | 523.5 | 519.3 | 515.9 |
| 62.5° | 502.4 | 500.4 | 498.5 | 496.5 | 494.5 | 492.0 | 488.7 | 485.4 | 482.1 | 478.8 | 475.7 |
| 65° | 438.6 | 436.8 | 435.1 | 433.2 | 431.4 | 428.9 | 425.9 | 422.8 | 419.8 | 416.8 | 414.1 |
| 67.5° | 373.9 | 372.5 | 371.0 | 369.5 | 368.1 | 366.0 | 363.2 | 360.5 | 357.8 | 355.1 | 352.9 |
| 70° | 333.4 | 332.3 | 331.0 | 329.8 | 328.6 | 326.6 | 323.9 | 321.1 | 318.4 | 315.7 | 313.5 |
| 72.5° | 291.9 | 290.7 | 289.4 | 288.3 | 287.0 | 285.5 | 283.8 | 282.0 | 280.3 | 278.5 | 276.3 |
| 75° | 229.6 | 229.0 | 228.4 | 227.7 | 227.1 | 226.0 | 224.5 | 223.0 | 221.5 | 220.0 | 218.2 |
| 77.5° | 173.8 | 172.8 | 171.7 | 170.8 | 169.7 | 168.9 | 168.3 | 167.6 | 167.0 | 166.5 | 165.5 |
| 80° | 136.7 | 136.3 | 136.1 | 135.7 | 135.5 | 135.0 | 134.4 | 133.8 | 133.1 | 132.6 | 131.6 |
| 82.5° | 101.7 | 101.7 | 101.6 | 101.5 | 101.4 | 101.2 | 100.9 | 100.5 | 100.1 | 99.8 | 98.6 |
| 85° | 56.0 | 55.7 | 55.5 | 55.1 | 54.8 | 54.5 | 54.2 | 53.9 | 53.6 | 53.3 | 52.3 |
| 87.5° | 19.8 | 19.5 | 19.3 | 19.0 | 18.7 | 18.5 | 18.1 | 17.8 | 17.5 | 17.2 | 16.6 |
| 90° | 0.4 | 1.6 | 2.8 | 3.8 | 5.0 | 6.0 | 6.9 | 7.7 | 8.5 | 9.3 | 9.8 |
| 92.5° | 9.4 | 9.3 | 9.2 | 9.1 | 9.0 | 9.2 | 9.5 | 10.0 | 10.3 | 10.8 | 11.1 |
| 95° | 30.2 | 26.8 | 23.5 | 20.0 | 16.6 | 15.2 | 16.0 | 16.7 | 17.4 | 18.2 | 18.6 |
| 97.5° | 60.0 | 50.4 | 40.8 | 31.2 | 21.6 | 17.6 | 19.3 | 21.0 | 22.6 | 24.3 | 24.7 |
| 100° | 82.4 | 68.2 | 54.0 | 39.9 | 25.7 | 19.5 | 21.2 | 23.0 | 24.8 | 26.5 | 27.4 |
| 102.5° | 106.9 | 104.0 | 100.9 | 97.9 | 95.0 | 86.1 | 71.4 | 56.7 | 42.0 | 27.3 | 28.4 |
| 105° | 141.4 | 144.5 | 147.7 | 150.8 | 153.9 | 141.3 | 113.1 | 84.9 | 56.6 | 28.4 | 29.5 |
| 107.5° | 180.8 | 183.3 | 185.8 | 188.3 | 190.8 | 175.1 | 141.3 | 107.5 | 73.6 | 39.8 | 38.6 |
| 110° | 206.2 | 208.3 | 210.5 | 212.7 | 214.8 | 201.0 | 171.1 | 141.2 | 111.3 | 81.4 | 71.1 |



TEST NUMBER: P331435-940

CATALOG NUMBER: S122DIP-S1005D530U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 230.0 | 231.9 | 233.8 | 235.8 | 237.6 | 235.0 | 227.6 | 220.2 | 212.8 | 205.5 | 167.6 |
| 115° | 267.6 | 269.3 | 271.1 | 272.9 | 274.6 | 276.8 | 279.4 | 282.0 | 284.5 | 287.1 | 239.2 |
| 117.5° | 301.2 | 303.2 | 305.1 | 307.1 | 309.1 | 310.9 | 312.7 | 314.5 | 316.3 | 318.0 | 306.5 |
| 120° | 325.7 | 327.3 | 328.9 | 330.4 | 332.0 | 333.7 | 335.6 | 337.4 | 339.2 | 341.1 | 342.3 |
| 122.5° | 346.6 | 348.2 | 349.9 | 351.5 | 353.1 | 355.0 | 357.0 | 359.0 | 361.1 | 363.1 | 363.8 |
| 125° | 378.4 | 379.7 | 381.0 | 382.4 | 383.7 | 385.4 | 387.4 | 389.3 | 391.3 | 393.2 | 394.0 |
| 127.5° | 407.1 | 408.6 | 410.1 | 411.5 | 413.0 | 414.6 | 416.0 | 417.5 | 418.9 | 420.4 | 421.4 |
| 130° | 425.3 | 427.0 | 428.6 | 430.3 | 431.9 | 433.4 | 434.5 | 435.6 | 436.8 | 437.9 | 439.1 |
| 132.5° | 444.0 | 445.3 | 446.7 | 448.2 | 449.6 | 450.8 | 452.0 | 453.2 | 454.2 | 455.4 | 456.4 |
| 135° | 468.1 | 469.8 | 471.4 | 473.1 | 474.7 | 476.1 | 477.0 | 478.0 | 478.8 | 479.7 | 480.8 |
| 137.5° | 492.7 | 493.7 | 494.9 | 496.1 | 497.2 | 498.4 | 499.4 | 500.5 | 501.5 | 502.6 | 503.6 |
| 140° | 508.6 | 509.4 | 510.3 | 511.1 | 511.9 | 512.9 | 514.1 | 515.2 | 516.3 | 517.5 | 518.4 |
| 142.5° | 522.0 | 522.8 | 523.5 | 524.2 | 525.0 | 526.0 | 527.4 | 528.6 | 529.9 | 531.3 | 532.1 |
| 145° | 543.1 | 543.0 | 542.9 | 542.8 | 542.7 | 543.5 | 545.3 | 547.0 | 548.8 | 550.5 | 551.3 |
| 147.5° | 561.4 | 561.0 | 560.6 | 560.3 | 559.8 | 560.5 | 562.2 | 564.0 | 565.7 | 567.5 | 568.0 |
| 150° | 573.3 | 572.6 | 571.9 | 571.1 | 570.4 | 570.9 | 572.6 | 574.2 | 575.9 | 577.5 | 578.1 |
| 152.5° | 583.4 | 582.6 | 581.8 | 580.9 | 580.1 | 580.5 | 582.1 | 583.7 | 585.2 | 586.8 | 587.5 |
| 155° | 598.0 | 597.1 | 596.1 | 595.2 | 594.2 | 594.4 | 595.7 | 596.9 | 598.2 | 599.4 | 600.0 |
| 157.5° | 609.4 | 608.7 | 607.9 | 607.1 | 606.3 | 606.4 | 607.2 | 608.1 | 608.9 | 609.8 | 610.5 |
| 160° | 616.2 | 615.5 | 614.9 | 614.3 | 613.7 | 613.7 | 614.3 | 614.9 | 615.5 | 616.2 | 616.8 |
| 162.5° | 622.1 | 621.4 | 620.8 | 620.2 | 619.6 | 619.6 | 620.1 | 620.6 | 621.2 | 621.7 | 622.4 |
| 165° | 630.1 | 629.5 | 628.8 | 628.2 | 627.6 | 627.5 | 627.8 | 628.0 | 628.4 | 628.7 | 629.5 |
| 167.5° | 636.1 | 635.4 | 634.8 | 634.2 | 633.6 | 633.4 | 633.6 | 634.0 | 634.3 | 634.5 | 635.3 |
| 170° | 639.4 | 638.8 | 638.2 | 637.6 | 636.9 | 636.7 | 636.9 | 637.1 | 637.3 | 637.6 | 638.3 |
| 172.5° | 641.7 | 641.1 | 640.4 | 639.8 | 639.2 | 638.9 | 639.2 | 639.4 | 639.5 | 639.8 | 640.5 |
| 175° | 644.5 | 643.8 | 643.1 | 642.4 | 641.6 | 641.4 | 641.6 | 641.8 | 641.9 | 642.2 | 642.9 |
| 177.5° | 645.0 | 644.4 | 643.8 | 643.3 | 642.7 | 642.4 | 642.5 | 642.6 | 642.7 | 642.7 | 643.4 |
| 180° | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 |



TEST NUMBER: P331435-940

CATALOG NUMBER: S122DIP-S1005D530U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1421.2 | 1421.2 | 1421.2 | 1421.2 | 1421.2 | 1421.2 | 1421.2 | 1421.2 |
| 2.5° | 1415.1 | 1417.6 | 1420.0 | 1421.0 | 1420.5 | 1420.0 | 1419.5 | 1419.1 |
| 5° | 1405.6 | 1408.0 | 1410.4 | 1411.4 | 1410.8 | 1410.2 | 1409.5 | 1408.9 |
| 7.5° | 1389.7 | 1392.1 | 1394.6 | 1395.5 | 1394.8 | 1394.2 | 1393.5 | 1392.9 |
| 10° | 1375.6 | 1378.0 | 1380.4 | 1381.2 | 1380.3 | 1379.3 | 1378.4 | 1377.5 |
| 12.5° | 1358.8 | 1360.5 | 1362.2 | 1362.7 | 1362.0 | 1361.4 | 1360.7 | 1360.0 |
| 15° | 1329.4 | 1330.6 | 1331.8 | 1331.7 | 1330.2 | 1328.6 | 1327.1 | 1325.6 |
| 17.5° | 1294.5 | 1295.9 | 1297.3 | 1297.3 | 1295.7 | 1294.3 | 1292.9 | 1291.4 |
| 20° | 1267.3 | 1268.2 | 1269.1 | 1268.9 | 1267.7 | 1266.5 | 1265.3 | 1264.1 |
| 22.5° | 1238.5 | 1238.7 | 1238.9 | 1238.6 | 1237.9 | 1237.2 | 1236.4 | 1235.6 |
| 25° | 1191.5 | 1192.1 | 1192.8 | 1192.8 | 1192.1 | 1191.5 | 1190.9 | 1190.3 |
| 27.5° | 1145.3 | 1144.3 | 1143.4 | 1142.3 | 1140.9 | 1139.3 | 1137.9 | 1136.5 |
| 30° | 1109.2 | 1108.3 | 1107.4 | 1106.3 | 1105.1 | 1103.8 | 1102.7 | 1101.4 |
| 32.5° | 1073.9 | 1072.2 | 1070.6 | 1069.2 | 1067.9 | 1066.8 | 1065.5 | 1064.3 |
| 35° | 1017.2 | 1015.4 | 1013.5 | 1011.9 | 1010.4 | 1008.9 | 1007.3 | 1005.8 |
| 37.5° | 960.3 | 958.1 | 955.8 | 954.0 | 952.5 | 951.0 | 949.6 | 948.2 |
| 40° | 921.0 | 918.4 | 915.6 | 913.6 | 912.4 | 911.2 | 910.0 | 908.7 |
| 42.5° | 882.3 | 879.3 | 876.4 | 874.1 | 872.4 | 870.7 | 869.0 | 867.2 |
| 45° | 822.9 | 819.5 | 816.2 | 813.9 | 812.6 | 811.5 | 810.2 | 809.0 |
| 47.5° | 761.0 | 757.4 | 753.9 | 751.3 | 749.5 | 747.8 | 746.0 | 744.2 |
| 50° | 721.2 | 717.0 | 712.7 | 709.9 | 708.4 | 706.9 | 705.3 | 703.8 |
| 52.5° | 680.1 | 676.5 | 673.1 | 670.3 | 668.2 | 666.3 | 664.2 | 662.3 |
| 55° | 618.6 | 614.9 | 611.4 | 608.8 | 607.3 | 605.7 | 604.2 | 602.6 |
| 57.5° | 554.7 | 551.2 | 547.6 | 545.2 | 544.1 | 543.0 | 541.8 | 540.6 |
| 60° | 512.6 | 509.3 | 506.0 | 503.8 | 502.9 | 502.0 | 501.1 | 500.2 |
| 62.5° | 472.7 | 469.6 | 466.5 | 464.3 | 463.2 | 462.0 | 460.8 | 459.7 |
| 65° | 411.3 | 408.6 | 405.9 | 403.8 | 402.3 | 400.7 | 399.2 | 397.7 |
| 67.5° | 350.8 | 348.7 | 346.5 | 344.8 | 343.7 | 342.4 | 341.3 | 340.0 |
| 70° | 311.4 | 309.3 | 307.2 | 305.5 | 304.3 | 303.1 | 301.8 | 300.7 |
| 72.5° | 274.3 | 272.2 | 270.0 | 268.5 | 267.5 | 266.5 | 265.6 | 264.6 |
| 75° | 216.4 | 214.5 | 212.8 | 212.1 | 212.8 | 213.3 | 213.9 | 214.5 |
| 77.5° | 164.6 | 163.7 | 162.8 | 161.9 | 161.0 | 160.2 | 159.3 | 158.5 |
| 80° | 130.7 | 129.8 | 128.9 | 128.1 | 127.5 | 127.0 | 126.4 | 125.7 |
| 82.5° | 97.5 | 96.3 | 95.1 | 94.5 | 94.3 | 94.3 | 94.2 | 94.0 |
| 85° | 51.5 | 50.6 | 49.7 | 49.0 | 48.8 | 48.4 | 48.2 | 47.8 |
| 87.5° | 15.9 | 15.2 | 14.6 | 14.3 | 14.1 | 13.8 | 13.6 | 13.5 |
| 90° | 10.3 | 10.9 | 11.4 | 11.8 | 11.9 | 12.1 | 12.4 | 12.6 |
| 92.5° | 11.3 | 11.6 | 11.9 | 12.0 | 12.2 | 12.3 | 12.5 | 12.6 |
| 95° | 19.2 | 19.7 | 20.2 | 20.4 | 20.3 | 20.2 | 20.2 | 20.0 |
| 97.5° | 25.1 | 25.5 | 25.9 | 26.2 | 26.3 | 26.5 | 26.6 | 26.8 |
| 100° | 28.2 | 29.0 | 29.9 | 30.3 | 30.6 | 30.8 | 30.9 | 31.2 |
| 102.5° | 29.4 | 30.5 | 31.6 | 32.3 | 32.5 | 32.8 | 33.1 | 33.4 |
| 105° | 30.7 | 31.8 | 32.9 | 33.7 | 34.2 | 34.5 | 35.0 | 35.4 |
| 107.5° | 37.5 | 36.3 | 35.1 | 34.8 | 35.1 | 35.6 | 35.9 | 36.4 |
| 110° | 60.7 | 50.4 | 40.0 | 35.1 | 35.5 | 35.9 | 36.4 | 36.7 |



TEST NUMBER: P331435-940

CATALOG NUMBER: S122DIP-S1005D530U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 129.9 | 92.2 | 54.5 | 35.8 | 36.1 | 36.5 | 36.8 | 37.1 |
| 115° | 191.4 | 143.5 | 95.6 | 67.9 | 60.5 | 53.1 | 45.6 | 38.2 |
| 117.5° | 294.9 | 283.3 | 271.7 | 253.7 | 229.2 | 204.7 | 180.3 | 155.8 |
| 120° | 343.6 | 344.8 | 346.1 | 339.7 | 325.7 | 311.8 | 297.8 | 283.8 |
| 122.5° | 364.5 | 365.3 | 366.0 | 365.1 | 362.4 | 359.6 | 357.0 | 354.2 |
| 125° | 394.7 | 395.4 | 396.1 | 396.6 | 397.0 | 397.3 | 397.6 | 397.9 |
| 127.5° | 422.5 | 423.6 | 424.6 | 425.2 | 425.3 | 425.3 | 425.3 | 425.4 |
| 130° | 440.1 | 441.3 | 442.5 | 443.0 | 442.8 | 442.7 | 442.6 | 442.6 |
| 132.5° | 457.4 | 458.3 | 459.3 | 459.7 | 459.6 | 459.5 | 459.4 | 459.3 |
| 135° | 481.9 | 482.9 | 483.9 | 484.4 | 484.1 | 483.9 | 483.8 | 483.5 |
| 137.5° | 504.6 | 505.6 | 506.7 | 506.9 | 506.6 | 506.2 | 506.0 | 505.6 |
| 140° | 519.3 | 520.2 | 521.2 | 521.4 | 520.8 | 520.4 | 519.9 | 519.3 |
| 142.5° | 533.0 | 533.8 | 534.7 | 534.8 | 534.3 | 533.8 | 533.2 | 532.7 |
| 145° | 552.0 | 552.7 | 553.4 | 553.5 | 553.0 | 552.5 | 552.0 | 551.4 |
| 147.5° | 568.6 | 569.1 | 569.6 | 569.6 | 569.3 | 568.8 | 568.4 | 567.9 |
| 150° | 578.7 | 579.3 | 580.0 | 580.1 | 579.5 | 579.0 | 578.5 | 578.0 |
| 152.5° | 588.1 | 588.7 | 589.3 | 589.2 | 588.6 | 587.9 | 587.2 | 586.6 |
| 155° | 600.7 | 601.3 | 601.9 | 601.7 | 600.9 | 600.1 | 599.3 | 598.4 |
| 157.5° | 611.2 | 611.9 | 612.6 | 612.6 | 611.7 | 610.9 | 610.1 | 609.3 |
| 160° | 617.3 | 618.0 | 618.6 | 618.6 | 617.9 | 617.2 | 616.4 | 615.6 |
| 162.5° | 623.1 | 623.8 | 624.6 | 624.5 | 623.6 | 622.7 | 621.8 | 620.9 |
| 165° | 630.2 | 630.9 | 631.6 | 631.6 | 630.9 | 630.2 | 629.5 | 628.7 |
| 167.5° | 636.0 | 636.8 | 637.5 | 637.4 | 636.4 | 635.5 | 634.5 | 633.6 |
| 170° | 639.0 | 639.7 | 640.4 | 640.3 | 639.4 | 638.5 | 637.6 | 636.6 |
| 172.5° | 641.2 | 641.9 | 642.7 | 642.6 | 641.7 | 640.7 | 639.8 | 638.8 |
| 175° | 643.6 | 644.4 | 645.1 | 645.0 | 643.9 | 642.8 | 641.9 | 640.8 |
| 177.5° | 643.9 | 644.5 | 645.1 | 645.0 | 644.3 | 643.5 | 642.7 | 642.0 |
| 180° | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 |

(END OF REPORT)