

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: P331426-940

Luminaire Tested: **S122DIP-S1005D330U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331426-940
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-S1005D330U940-4F0-1E-UDD-F
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 330 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4784.5 lumens
Efficiency: N/A
Efficacy: 96.1 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

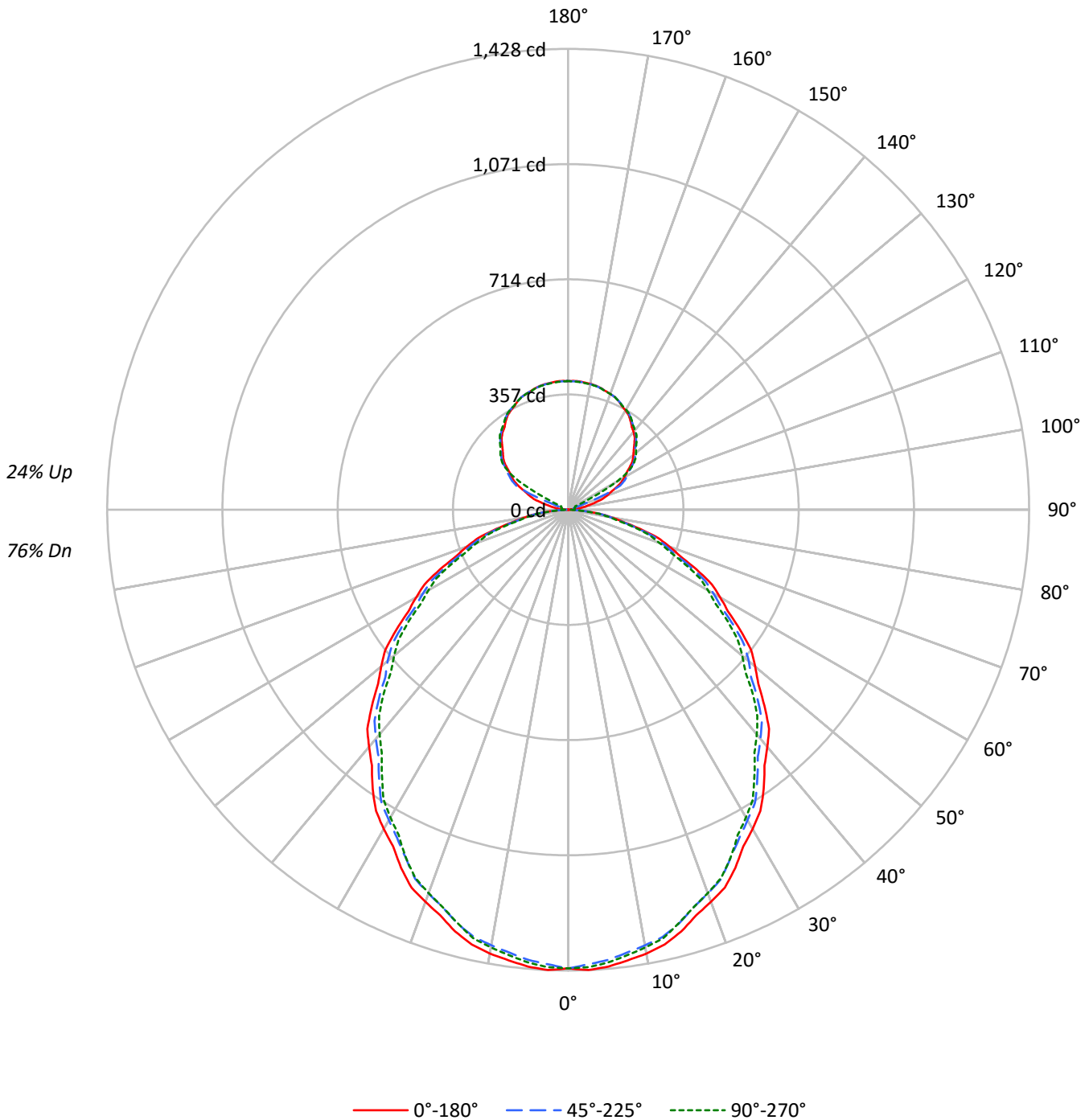
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331426-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P331426-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-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 | 113 | 113 | 113 | 113 | 108 | 108 | 108 | 108 | 98 | 98 | 98 | 88 | 88 | 88 | 80 | 80 | 80 | 76 |
| 1 | 104 | 99 | 95 | 91 | 98 | 94 | 91 | 88 | 86 | 83 | 80 | 78 | 76 | 74 | 70 | 69 | 67 | 64 |
| 2 | 94 | 87 | 80 | 75 | 89 | 83 | 77 | 72 | 75 | 71 | 67 | 68 | 65 | 62 | 62 | 59 | 57 | 53 |
| 3 | 86 | 76 | 68 | 62 | 82 | 73 | 66 | 60 | 66 | 61 | 56 | 60 | 56 | 52 | 55 | 51 | 48 | 45 |
| 4 | 79 | 68 | 59 | 53 | 75 | 65 | 57 | 51 | 59 | 53 | 48 | 54 | 49 | 45 | 49 | 45 | 42 | 39 |
| 5 | 73 | 60 | 52 | 46 | 69 | 58 | 50 | 44 | 53 | 47 | 42 | 49 | 43 | 39 | 44 | 40 | 36 | 34 |
| 6 | 67 | 54 | 46 | 40 | 64 | 52 | 44 | 39 | 48 | 41 | 36 | 44 | 38 | 34 | 40 | 36 | 32 | 30 |
| 7 | 62 | 49 | 41 | 35 | 59 | 47 | 40 | 34 | 44 | 37 | 32 | 40 | 35 | 30 | 37 | 32 | 29 | 26 |
| 8 | 58 | 45 | 37 | 31 | 55 | 43 | 36 | 30 | 40 | 33 | 29 | 37 | 31 | 27 | 34 | 29 | 26 | 24 |
| 9 | 54 | 41 | 33 | 28 | 51 | 40 | 32 | 27 | 37 | 30 | 26 | 34 | 28 | 25 | 31 | 27 | 23 | 21 |
| 10 | 50 | 38 | 30 | 25 | 48 | 36 | 29 | 25 | 34 | 28 | 23 | 31 | 26 | 22 | 29 | 24 | 21 | 19 |

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: P331426-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 133.6 | 2.8 |
| 10°-20° | 376.0 | 7.9 |
| 20°-30° | 552.7 | 11.6 |
| 30°-40° | 642.0 | 13.4 |
| 40°-50° | 641.3 | 13.4 |
| 50°-60° | 559.3 | 11.7 |
| 60°-70° | 413.6 | 8.6 |
| 70°-80° | 234.2 | 4.9 |
| 80°-90° | 64.0 | 1.3 |
| 90°-100° | 13.3 | 0.3 |
| 100°-110° | 48.7 | 1.0 |
| 110°-120° | 130.3 | 2.7 |
| 120°-130° | 215.1 | 4.5 |
| 130°-140° | 228.7 | 4.8 |
| 140°-150° | 212.6 | 4.4 |
| 150°-160° | 170.9 | 3.6 |
| 160°-170° | 110.1 | 2.3 |
| 170°-180° | 37.9 | 0.8 |
| 0°-30° | 1062.4 | 22.2 |
| 0°-40° | 1704.4 | 35.6 |
| 0°-60° | 2905.1 | 60.7 |
| 0°-90° | 3616.8 | 75.6 |
| 90°-120° | 192.3 | 4.0 |
| 90°-150° | 848.7 | 17.7 |
| 90°-180° | 1168.0 | 24.4 |
| 0°-180° | 4784.5 | 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 | 3 | 6 | 7 | 8 | 4 |
| 95° | 19 | 10 | 11 | 13 | 12 | 23 |
| 105° | 88 | 91 | 18 | 21 | 22 | 94 |
| 115° | 166 | 171 | 178 | 51 | 24 | 163 |
| 125° | 234 | 238 | 244 | 246 | 246 | 209 |
| 135° | 290 | 295 | 297 | 300 | 300 | 224 |
| 145° | 336 | 336 | 341 | 343 | 342 | 210 |
| 155° | 370 | 368 | 371 | 373 | 371 | 171 |
| 165° | 390 | 389 | 390 | 391 | 390 | 110 |
| 175° | 399 | 397 | 398 | 400 | 397 | 38 |
| 180° | 398 | 398 | 398 | 398 | 398 | |



TEST NUMBER: P331426-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-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° | 19.7 | 19.4 | 19.1 | 18.7 | 18.4 | 18.0 | 17.6 | 17.2 | 16.9 | 16.5 | 15.8 |
| 90° | 0.3 | 1.0 | 1.7 | 2.4 | 3.1 | 3.7 | 4.2 | 4.7 | 5.3 | 5.8 | 6.1 |
| 92.5° | 5.8 | 5.8 | 5.7 | 5.6 | 5.5 | 5.7 | 5.9 | 6.2 | 6.4 | 6.7 | 6.9 |
| 95° | 18.7 | 16.6 | 14.5 | 12.4 | 10.3 | 9.5 | 9.9 | 10.3 | 10.8 | 11.2 | 11.6 |
| 97.5° | 37.2 | 31.2 | 25.2 | 19.4 | 13.4 | 10.9 | 11.9 | 12.9 | 14.0 | 15.1 | 15.3 |
| 100° | 51.0 | 42.3 | 33.4 | 24.7 | 16.0 | 12.0 | 13.2 | 14.3 | 15.3 | 16.4 | 16.9 |
| 102.5° | 66.3 | 64.4 | 62.5 | 60.7 | 58.9 | 53.3 | 44.2 | 35.1 | 26.0 | 16.9 | 17.6 |
| 105° | 87.7 | 89.5 | 91.5 | 93.5 | 95.3 | 87.6 | 70.1 | 52.6 | 35.0 | 17.6 | 18.3 |
| 107.5° | 112.0 | 113.6 | 115.1 | 116.7 | 118.2 | 108.5 | 87.6 | 66.6 | 45.6 | 24.6 | 23.9 |
| 110° | 127.7 | 129.0 | 130.5 | 131.8 | 133.1 | 124.5 | 106.0 | 87.5 | 68.9 | 50.5 | 44.1 |



TEST NUMBER: P331426-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 142.5 | 143.7 | 144.9 | 146.1 | 147.2 | 145.5 | 141.0 | 136.4 | 131.8 | 127.2 | 103.9 |
| 115° | 165.8 | 166.8 | 168.0 | 169.1 | 170.1 | 171.5 | 173.1 | 174.7 | 176.3 | 177.9 | 148.2 |
| 117.5° | 186.6 | 187.8 | 189.0 | 190.3 | 191.5 | 192.6 | 193.8 | 194.8 | 195.9 | 197.1 | 189.8 |
| 120° | 201.8 | 202.8 | 203.8 | 204.7 | 205.6 | 206.7 | 207.9 | 209.0 | 210.2 | 211.3 | 212.1 |
| 122.5° | 214.7 | 215.8 | 216.8 | 217.8 | 218.8 | 219.9 | 221.1 | 222.4 | 223.7 | 225.0 | 225.4 |
| 125° | 234.4 | 235.2 | 236.0 | 236.9 | 237.7 | 238.8 | 240.0 | 241.2 | 242.4 | 243.6 | 244.1 |
| 127.5° | 252.2 | 253.2 | 254.0 | 255.0 | 255.9 | 256.8 | 257.7 | 258.7 | 259.6 | 260.5 | 261.1 |
| 130° | 263.5 | 264.6 | 265.6 | 266.6 | 267.6 | 268.5 | 269.2 | 269.9 | 270.6 | 271.3 | 272.0 |
| 132.5° | 275.1 | 275.9 | 276.8 | 277.7 | 278.6 | 279.3 | 280.0 | 280.7 | 281.4 | 282.1 | 282.8 |
| 135° | 290.1 | 291.1 | 292.1 | 293.1 | 294.2 | 295.0 | 295.5 | 296.1 | 296.7 | 297.3 | 297.9 |
| 137.5° | 305.2 | 305.9 | 306.7 | 307.4 | 308.1 | 308.8 | 309.4 | 310.0 | 310.8 | 311.4 | 312.0 |
| 140° | 315.1 | 315.7 | 316.1 | 316.6 | 317.2 | 317.8 | 318.5 | 319.2 | 319.9 | 320.6 | 321.2 |
| 142.5° | 323.4 | 323.9 | 324.3 | 324.9 | 325.3 | 325.9 | 326.7 | 327.5 | 328.3 | 329.1 | 329.7 |
| 145° | 336.4 | 336.4 | 336.4 | 336.3 | 336.2 | 336.7 | 337.8 | 338.9 | 340.0 | 341.1 | 341.5 |
| 147.5° | 347.9 | 347.6 | 347.3 | 347.1 | 346.9 | 347.2 | 348.3 | 349.5 | 350.5 | 351.6 | 351.9 |
| 150° | 355.2 | 354.7 | 354.3 | 353.8 | 353.4 | 353.7 | 354.7 | 355.8 | 356.8 | 357.8 | 358.2 |
| 152.5° | 361.4 | 361.0 | 360.4 | 359.9 | 359.4 | 359.6 | 360.6 | 361.6 | 362.6 | 363.6 | 363.9 |
| 155° | 370.5 | 369.9 | 369.3 | 368.7 | 368.2 | 368.3 | 369.1 | 369.8 | 370.6 | 371.3 | 371.8 |
| 157.5° | 377.6 | 377.1 | 376.6 | 376.1 | 375.6 | 375.7 | 376.2 | 376.7 | 377.3 | 377.8 | 378.3 |
| 160° | 381.7 | 381.4 | 380.9 | 380.6 | 380.2 | 380.2 | 380.6 | 380.9 | 381.4 | 381.7 | 382.1 |
| 162.5° | 385.4 | 385.0 | 384.7 | 384.2 | 383.9 | 383.9 | 384.1 | 384.5 | 384.9 | 385.2 | 385.7 |
| 165° | 390.4 | 390.0 | 389.6 | 389.2 | 388.9 | 388.8 | 389.0 | 389.1 | 389.3 | 389.5 | 389.9 |
| 167.5° | 394.0 | 393.7 | 393.3 | 392.9 | 392.5 | 392.4 | 392.6 | 392.8 | 393.0 | 393.2 | 393.6 |
| 170° | 396.2 | 395.7 | 395.4 | 395.0 | 394.6 | 394.5 | 394.6 | 394.8 | 394.8 | 395.0 | 395.5 |
| 172.5° | 397.5 | 397.2 | 396.7 | 396.4 | 396.0 | 395.8 | 396.0 | 396.1 | 396.3 | 396.4 | 396.8 |
| 175° | 399.3 | 398.9 | 398.4 | 398.0 | 397.5 | 397.3 | 397.5 | 397.6 | 397.8 | 397.9 | 398.3 |
| 177.5° | 399.6 | 399.2 | 398.9 | 398.5 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.2 | 398.6 |
| 180° | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 |



TEST NUMBER: P331426-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-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° | 15.2 | 14.4 | 13.8 | 13.4 | 13.1 | 12.9 | 12.7 | 12.5 |
| 90° | 6.4 | 6.7 | 7.0 | 7.3 | 7.4 | 7.5 | 7.7 | 7.8 |
| 92.5° | 7.0 | 7.2 | 7.3 | 7.5 | 7.6 | 7.7 | 7.7 | 7.8 |
| 95° | 11.9 | 12.2 | 12.5 | 12.7 | 12.6 | 12.5 | 12.5 | 12.4 |
| 97.5° | 15.6 | 15.8 | 16.1 | 16.2 | 16.3 | 16.4 | 16.5 | 16.6 |
| 100° | 17.5 | 18.0 | 18.5 | 18.8 | 18.9 | 19.1 | 19.2 | 19.4 |
| 102.5° | 18.2 | 18.9 | 19.5 | 20.0 | 20.2 | 20.3 | 20.5 | 20.7 |
| 105° | 19.0 | 19.7 | 20.4 | 20.9 | 21.1 | 21.4 | 21.7 | 21.9 |
| 107.5° | 23.2 | 22.5 | 21.8 | 21.5 | 21.8 | 22.0 | 22.3 | 22.6 |
| 110° | 37.6 | 31.2 | 24.8 | 21.8 | 22.0 | 22.3 | 22.6 | 22.7 |



TEST NUMBER: P331426-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 80.5 | 57.2 | 33.8 | 22.2 | 22.4 | 22.6 | 22.8 | 23.0 |
| 115° | 118.6 | 88.9 | 59.2 | 42.1 | 37.5 | 32.9 | 28.3 | 23.6 |
| 117.5° | 182.7 | 175.5 | 168.4 | 157.2 | 142.0 | 126.9 | 111.7 | 96.6 |
| 120° | 212.9 | 213.7 | 214.4 | 210.4 | 201.8 | 193.1 | 184.5 | 175.8 |
| 122.5° | 225.9 | 226.3 | 226.8 | 226.1 | 224.5 | 222.8 | 221.1 | 219.5 |
| 125° | 244.5 | 245.0 | 245.4 | 245.8 | 245.9 | 246.1 | 246.3 | 246.5 |
| 127.5° | 261.8 | 262.4 | 263.1 | 263.4 | 263.5 | 263.5 | 263.5 | 263.6 |
| 130° | 272.7 | 273.4 | 274.1 | 274.5 | 274.4 | 274.3 | 274.3 | 274.2 |
| 132.5° | 283.4 | 283.9 | 284.5 | 284.8 | 284.7 | 284.7 | 284.6 | 284.5 |
| 135° | 298.5 | 299.2 | 299.8 | 300.1 | 300.0 | 299.8 | 299.7 | 299.5 |
| 137.5° | 312.6 | 313.3 | 313.9 | 314.1 | 313.9 | 313.7 | 313.4 | 313.3 |
| 140° | 321.7 | 322.4 | 322.9 | 323.1 | 322.7 | 322.4 | 322.1 | 321.7 |
| 142.5° | 330.2 | 330.7 | 331.3 | 331.4 | 331.0 | 330.7 | 330.4 | 330.0 |
| 145° | 342.0 | 342.4 | 342.9 | 343.0 | 342.6 | 342.3 | 342.0 | 341.6 |
| 147.5° | 352.2 | 352.6 | 352.9 | 352.9 | 352.7 | 352.4 | 352.1 | 351.9 |
| 150° | 358.6 | 358.9 | 359.4 | 359.4 | 359.1 | 358.7 | 358.4 | 358.1 |
| 152.5° | 364.4 | 364.7 | 365.1 | 365.1 | 364.6 | 364.3 | 363.8 | 363.4 |
| 155° | 372.1 | 372.5 | 372.9 | 372.8 | 372.3 | 371.8 | 371.3 | 370.8 |
| 157.5° | 378.7 | 379.2 | 379.5 | 379.5 | 379.0 | 378.5 | 378.0 | 377.6 |
| 160° | 382.5 | 382.9 | 383.3 | 383.3 | 382.8 | 382.4 | 381.9 | 381.5 |
| 162.5° | 386.0 | 386.5 | 386.9 | 386.9 | 386.3 | 385.8 | 385.2 | 384.7 |
| 165° | 390.4 | 390.8 | 391.3 | 391.3 | 390.8 | 390.4 | 389.9 | 389.5 |
| 167.5° | 394.0 | 394.5 | 394.9 | 394.8 | 394.3 | 393.7 | 393.2 | 392.5 |
| 170° | 395.9 | 396.4 | 396.8 | 396.7 | 396.2 | 395.6 | 395.0 | 394.4 |
| 172.5° | 397.3 | 397.7 | 398.1 | 398.1 | 397.5 | 397.0 | 396.4 | 395.8 |
| 175° | 398.8 | 399.2 | 399.7 | 399.6 | 399.0 | 398.3 | 397.6 | 397.0 |
| 177.5° | 399.0 | 399.3 | 399.7 | 399.6 | 399.1 | 398.7 | 398.2 | 397.8 |
| 180° | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 |

(END OF REPORT)