

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: P331453-935

Luminaire Tested: **S122DIP-S1005D925U935-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331453-935
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-S1005D925U935-4F0-1E-UDD-F
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6678.7 lumens
Efficiency: N/A
Efficacy: 100.0 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: General Diffuse

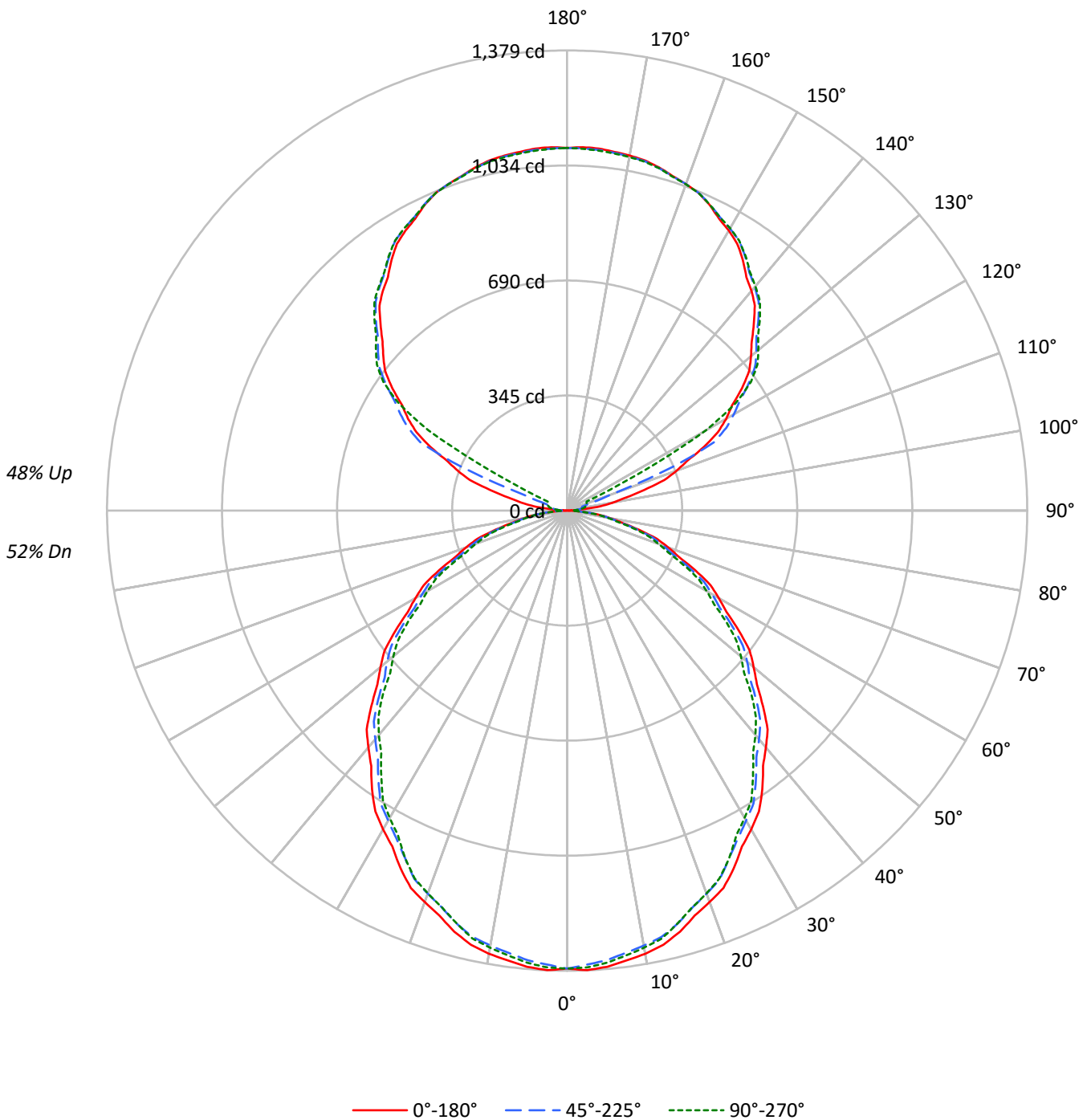
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331453-935

CATALOG NUMBER: S122DIP-S1005D925U935-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P331453-935

CATALOG NUMBER: S122DIP-S1005D925U935-4F0-1E-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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 58 | 58 | 58 | 52 |
| 1 | 98 | 94 | 90 | 87 | 91 | 87 | 84 | 81 | 74 | 72 | 69 | 62 | 61 | 59 | 51 | 50 | 49 | 44 |
| 2 | 90 | 82 | 76 | 71 | 83 | 76 | 71 | 66 | 65 | 61 | 58 | 55 | 52 | 49 | 45 | 43 | 41 | 37 |
| 3 | 82 | 72 | 65 | 59 | 75 | 67 | 61 | 55 | 57 | 52 | 48 | 48 | 45 | 42 | 40 | 38 | 35 | 31 |
| 4 | 75 | 64 | 56 | 50 | 69 | 59 | 52 | 47 | 51 | 46 | 41 | 43 | 39 | 36 | 36 | 33 | 30 | 27 |
| 5 | 69 | 57 | 49 | 43 | 63 | 53 | 46 | 40 | 46 | 40 | 36 | 39 | 34 | 31 | 32 | 29 | 27 | 23 |
| 6 | 63 | 51 | 43 | 37 | 58 | 48 | 40 | 35 | 41 | 35 | 31 | 35 | 31 | 27 | 29 | 26 | 23 | 20 |
| 7 | 58 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 37 | 32 | 27 | 32 | 27 | 24 | 27 | 23 | 21 | 18 |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 29 | 25 | 21 | 25 | 21 | 19 | 16 |
| 9 | 51 | 38 | 31 | 26 | 47 | 36 | 29 | 24 | 31 | 26 | 22 | 27 | 22 | 19 | 23 | 19 | 17 | 15 |
| 10 | 47 | 35 | 28 | 23 | 44 | 33 | 26 | 22 | 29 | 23 | 20 | 25 | 21 | 17 | 21 | 18 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 22157 | 22157 | 22157 |
| 5° | 22242 | 21921 | 22049 |
| 10° | 22109 | 21697 | 21807 |
| 15° | 21835 | 21417 | 21396 |
| 20° | 21448 | 20993 | 20972 |
| 25° | 21063 | 20475 | 20475 |
| 30° | 20566 | 19999 | 19827 |
| 35° | 20103 | 19429 | 19141 |
| 40° | 19524 | 18858 | 18493 |
| 45° | 18952 | 18287 | 17838 |
| 50° | 18329 | 17698 | 17071 |
| 55° | 17681 | 17011 | 16380 |
| 60° | 16956 | 16191 | 15594 |
| 65° | 16180 | 15373 | 14670 |
| 70° | 15196 | 14389 | 13704 |
| 75° | 13830 | 13250 | 12926 |
| 80° | 12273 | 11901 | 11288 |
| 85° | 10022 | 9541 | 8540 |



TEST NUMBER: P331453-935

CATALOG NUMBER: S122DIP-S1005D925U935-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 129.0 | 1.9 |
| 10°-20° | 363.1 | 5.4 |
| 20°-30° | 533.7 | 8.0 |
| 30°-40° | 619.9 | 9.3 |
| 40°-50° | 619.3 | 9.3 |
| 50°-60° | 540.0 | 8.1 |
| 60°-70° | 399.3 | 6.0 |
| 70°-80° | 226.2 | 3.4 |
| 80°-90° | 63.5 | 1.0 |
| 90°-100° | 36.2 | 0.5 |
| 100°-110° | 132.9 | 2.0 |
| 110°-120° | 355.3 | 5.3 |
| 120°-130° | 586.6 | 8.8 |
| 130°-140° | 623.8 | 9.3 |
| 140°-150° | 579.8 | 8.7 |
| 150°-160° | 466.2 | 7.0 |
| 160°-170° | 300.4 | 4.5 |
| 170°-180° | 103.4 | 1.5 |
| 0°-30° | 1025.8 | 15.4 |
| 0°-40° | 1645.7 | 24.6 |
| 0°-60° | 2805.0 | 42.0 |
| 0°-90° | 3494.0 | 52.3 |
| 90°-120° | 524.5 | 7.9 |
| 90°-150° | 2314.7 | 34.7 |
| 90°-180° | 3185.0 | 47.7 |
| 0°-180° | 6678.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1372 | 1372 | 1372 | 1372 | 1372 | |
| 5° | 1372 | 1366 | 1352 | 1362 | 1360 | 130 |
| 15° | 1306 | 1298 | 1281 | 1286 | 1280 | 368 |
| 25° | 1182 | 1171 | 1149 | 1152 | 1149 | 544 |
| 35° | 1020 | 1006 | 986 | 978 | 971 | 637 |
| 45° | 830 | 820 | 801 | 787 | 781 | 640 |
| 55° | 628 | 620 | 604 | 589 | 582 | 561 |
| 65° | 424 | 415 | 402 | 391 | 384 | 419 |
| 75° | 222 | 219 | 212 | 205 | 207 | 237 |
| 85° | 54 | 53 | 52 | 48 | 46 | 62 |
| 90° | 1 | 9 | 16 | 20 | 21 | 5 |
| 95° | 51 | 27 | 31 | 34 | 34 | 63 |
| 105° | 239 | 249 | 48 | 56 | 60 | 255 |
| 115° | 452 | 466 | 485 | 138 | 64 | 445 |
| 125° | 639 | 650 | 664 | 670 | 672 | 570 |
| 135° | 791 | 803 | 811 | 818 | 817 | 611 |
| 145° | 918 | 918 | 930 | 935 | 932 | 574 |
| 155° | 1010 | 1004 | 1013 | 1017 | 1011 | 465 |
| 165° | 1065 | 1060 | 1062 | 1067 | 1062 | 301 |
| 175° | 1089 | 1084 | 1085 | 1090 | 1083 | 104 |
| 180° | 1087 | 1087 | 1087 | 1087 | 1087 | |



TEST NUMBER: P331453-935

CATALOG NUMBER: S122DIP-S1005D925U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 |
| 2.5° | 1378.6 | 1377.4 | 1376.3 | 1375.1 | 1373.9 | 1372.1 | 1369.5 | 1366.9 | 1364.3 | 1361.8 | 1364.1 |
| 5° | 1372.3 | 1371.1 | 1369.9 | 1368.7 | 1367.6 | 1365.4 | 1362.2 | 1358.9 | 1355.7 | 1352.5 | 1354.9 |
| 7.5° | 1360.1 | 1358.3 | 1356.5 | 1354.7 | 1352.9 | 1350.3 | 1347.0 | 1343.8 | 1340.5 | 1337.2 | 1339.5 |
| 10° | 1348.5 | 1346.5 | 1344.5 | 1342.4 | 1340.3 | 1337.6 | 1334.0 | 1330.5 | 1327.0 | 1323.4 | 1325.9 |
| 12.5° | 1332.7 | 1330.8 | 1329.0 | 1327.2 | 1325.4 | 1322.8 | 1319.2 | 1315.7 | 1312.3 | 1308.7 | 1310.4 |
| 15° | 1306.3 | 1304.6 | 1302.8 | 1301.1 | 1299.2 | 1296.5 | 1292.7 | 1288.8 | 1285.0 | 1281.3 | 1282.5 |
| 17.5° | 1272.6 | 1270.7 | 1269.0 | 1267.2 | 1265.5 | 1262.7 | 1258.8 | 1254.9 | 1251.0 | 1247.2 | 1248.5 |
| 20° | 1248.3 | 1246.5 | 1244.7 | 1242.9 | 1241.2 | 1238.3 | 1234.2 | 1230.1 | 1226.0 | 1221.8 | 1222.7 |
| 22.5° | 1224.0 | 1221.5 | 1219.1 | 1216.6 | 1214.1 | 1211.0 | 1207.1 | 1203.2 | 1199.4 | 1195.5 | 1195.7 |
| 25° | 1182.3 | 1179.9 | 1177.6 | 1175.3 | 1172.9 | 1169.2 | 1164.2 | 1159.3 | 1154.3 | 1149.3 | 1149.9 |
| 27.5° | 1134.8 | 1132.6 | 1130.6 | 1128.4 | 1126.4 | 1123.3 | 1119.4 | 1115.4 | 1111.6 | 1107.6 | 1106.7 |
| 30° | 1103.1 | 1100.8 | 1098.4 | 1096.1 | 1093.7 | 1090.4 | 1086.0 | 1081.6 | 1077.2 | 1072.7 | 1071.9 |
| 32.5° | 1069.4 | 1067.5 | 1065.6 | 1063.7 | 1061.8 | 1058.6 | 1054.0 | 1049.3 | 1044.7 | 1040.0 | 1038.5 |
| 35° | 1019.9 | 1017.0 | 1014.1 | 1011.2 | 1008.2 | 1004.4 | 999.7 | 995.1 | 990.4 | 985.7 | 984.0 |
| 37.5° | 964.3 | 961.7 | 959.2 | 956.6 | 954.0 | 950.4 | 945.6 | 941.0 | 936.3 | 931.6 | 929.4 |
| 40° | 926.3 | 923.9 | 921.6 | 919.3 | 916.9 | 913.4 | 908.7 | 904.0 | 899.3 | 894.7 | 892.0 |
| 42.5° | 889.3 | 887.0 | 884.7 | 882.4 | 879.9 | 876.4 | 871.8 | 867.0 | 862.4 | 857.6 | 854.8 |
| 45° | 830.0 | 827.9 | 825.9 | 823.8 | 821.7 | 818.6 | 814.2 | 809.8 | 805.4 | 800.9 | 797.7 |
| 47.5° | 770.9 | 769.0 | 767.0 | 765.1 | 763.1 | 759.8 | 755.3 | 750.7 | 746.1 | 741.6 | 738.1 |
| 50° | 729.7 | 728.2 | 726.8 | 725.3 | 723.8 | 721.0 | 717.0 | 712.8 | 708.7 | 704.6 | 700.5 |
| 52.5° | 689.6 | 687.7 | 685.7 | 683.8 | 681.8 | 678.9 | 675.0 | 671.1 | 667.4 | 663.5 | 660.0 |
| 55° | 628.1 | 626.3 | 624.6 | 622.8 | 621.0 | 618.4 | 614.9 | 611.4 | 607.9 | 604.3 | 600.8 |
| 57.5° | 566.4 | 564.9 | 563.5 | 562.1 | 560.7 | 558.1 | 554.2 | 550.4 | 546.5 | 542.6 | 539.2 |
| 60° | 525.1 | 524.0 | 522.8 | 521.7 | 520.5 | 517.8 | 513.8 | 509.6 | 505.5 | 501.4 | 498.2 |
| 62.5° | 485.1 | 483.2 | 481.3 | 479.4 | 477.5 | 475.0 | 471.8 | 468.7 | 465.5 | 462.4 | 459.3 |
| 65° | 423.5 | 421.8 | 420.1 | 418.3 | 416.6 | 414.1 | 411.2 | 408.3 | 405.4 | 402.4 | 399.8 |
| 67.5° | 361.0 | 359.6 | 358.2 | 356.8 | 355.4 | 353.4 | 350.7 | 348.1 | 345.4 | 342.9 | 340.8 |
| 70° | 321.9 | 320.8 | 319.6 | 318.5 | 317.3 | 315.4 | 312.7 | 310.0 | 307.5 | 304.8 | 302.7 |
| 72.5° | 281.8 | 280.7 | 279.5 | 278.4 | 277.2 | 275.7 | 274.1 | 272.3 | 270.6 | 268.9 | 266.8 |
| 75° | 221.7 | 221.1 | 220.5 | 219.9 | 219.3 | 218.3 | 216.8 | 215.3 | 213.9 | 212.4 | 210.7 |
| 77.5° | 167.8 | 166.9 | 165.8 | 164.9 | 163.8 | 163.1 | 162.5 | 161.9 | 161.3 | 160.7 | 159.8 |
| 80° | 132.0 | 131.6 | 131.4 | 131.0 | 130.8 | 130.4 | 129.8 | 129.2 | 128.5 | 128.0 | 127.1 |
| 82.5° | 98.2 | 98.2 | 98.1 | 98.0 | 97.9 | 97.7 | 97.4 | 97.0 | 96.7 | 96.3 | 95.2 |
| 85° | 54.1 | 53.8 | 53.6 | 53.2 | 53.0 | 52.6 | 52.3 | 52.0 | 51.7 | 51.5 | 50.5 |
| 87.5° | 19.2 | 19.1 | 19.0 | 18.9 | 18.9 | 18.7 | 18.5 | 18.3 | 18.1 | 17.9 | 17.4 |
| 90° | 0.8 | 2.7 | 4.6 | 6.5 | 8.4 | 10.2 | 11.5 | 12.9 | 14.3 | 15.8 | 16.6 |
| 92.5° | 15.8 | 15.7 | 15.5 | 15.3 | 15.2 | 15.4 | 16.2 | 16.9 | 17.6 | 18.3 | 18.7 |
| 95° | 51.1 | 45.4 | 39.6 | 33.8 | 28.1 | 25.7 | 27.0 | 28.2 | 29.4 | 30.7 | 31.5 |
| 97.5° | 101.4 | 85.2 | 69.0 | 52.7 | 36.4 | 29.7 | 32.5 | 35.4 | 38.2 | 41.1 | 41.8 |
| 100° | 139.2 | 115.2 | 91.3 | 67.3 | 43.4 | 33.0 | 35.9 | 38.9 | 41.8 | 44.9 | 46.2 |
| 102.5° | 180.7 | 175.6 | 170.6 | 165.5 | 160.4 | 145.5 | 120.6 | 95.7 | 70.9 | 46.1 | 47.9 |
| 105° | 239.0 | 244.3 | 249.5 | 254.8 | 260.0 | 238.8 | 191.1 | 143.4 | 95.7 | 48.0 | 49.9 |
| 107.5° | 305.6 | 309.8 | 314.0 | 318.2 | 322.5 | 296.0 | 238.8 | 181.6 | 124.3 | 67.2 | 65.2 |
| 110° | 348.4 | 352.1 | 355.7 | 359.4 | 363.0 | 339.6 | 289.1 | 238.6 | 188.1 | 137.6 | 120.1 |



TEST NUMBER: P331453-935

CATALOG NUMBER: S122DIP-S1005D925U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 388.6 | 391.8 | 395.1 | 398.4 | 401.6 | 397.0 | 384.5 | 372.0 | 359.6 | 347.1 | 283.4 |
| 115° | 452.1 | 455.1 | 458.1 | 461.1 | 464.0 | 467.7 | 472.1 | 476.5 | 480.8 | 485.2 | 404.2 |
| 117.5° | 508.9 | 512.2 | 515.6 | 518.9 | 522.2 | 525.4 | 528.4 | 531.4 | 534.4 | 537.4 | 517.8 |
| 120° | 550.4 | 553.0 | 555.7 | 558.3 | 560.9 | 563.8 | 567.0 | 570.1 | 573.3 | 576.4 | 578.5 |
| 122.5° | 585.7 | 588.4 | 591.2 | 593.9 | 596.7 | 599.8 | 603.2 | 606.7 | 610.1 | 613.5 | 614.8 |
| 125° | 639.3 | 641.5 | 643.9 | 646.1 | 648.4 | 651.2 | 654.5 | 657.8 | 661.2 | 664.4 | 665.7 |
| 127.5° | 687.9 | 690.4 | 692.9 | 695.4 | 697.9 | 700.4 | 702.9 | 705.4 | 707.9 | 710.4 | 712.1 |
| 130° | 718.8 | 721.5 | 724.3 | 727.1 | 729.9 | 732.3 | 734.2 | 736.1 | 738.0 | 739.9 | 741.8 |
| 132.5° | 750.2 | 752.5 | 754.9 | 757.3 | 759.7 | 761.8 | 763.8 | 765.7 | 767.6 | 769.5 | 771.2 |
| 135° | 791.1 | 793.8 | 796.7 | 799.4 | 802.3 | 804.4 | 806.0 | 807.6 | 809.2 | 810.7 | 812.4 |
| 137.5° | 832.4 | 834.4 | 836.4 | 838.3 | 840.2 | 842.1 | 843.9 | 845.7 | 847.5 | 849.3 | 850.9 |
| 140° | 859.5 | 860.9 | 862.3 | 863.7 | 865.0 | 866.8 | 868.7 | 870.6 | 872.5 | 874.4 | 876.0 |
| 142.5° | 882.1 | 883.4 | 884.7 | 885.9 | 887.2 | 888.9 | 891.0 | 893.3 | 895.5 | 897.7 | 899.1 |
| 145° | 917.7 | 917.5 | 917.3 | 917.1 | 917.0 | 918.3 | 921.4 | 924.3 | 927.3 | 930.2 | 931.4 |
| 147.5° | 948.6 | 948.0 | 947.4 | 946.7 | 946.0 | 947.1 | 950.0 | 953.0 | 956.0 | 958.9 | 959.8 |
| 150° | 968.8 | 967.6 | 966.3 | 965.1 | 963.9 | 964.7 | 967.5 | 970.3 | 973.1 | 975.9 | 976.9 |
| 152.5° | 985.8 | 984.4 | 983.0 | 981.7 | 980.3 | 980.9 | 983.6 | 986.3 | 988.9 | 991.6 | 992.6 |
| 155° | 1010.5 | 1008.9 | 1007.3 | 1005.7 | 1004.2 | 1004.4 | 1006.5 | 1008.7 | 1010.7 | 1012.8 | 1013.8 |
| 157.5° | 1029.8 | 1028.5 | 1027.2 | 1025.8 | 1024.5 | 1024.6 | 1026.1 | 1027.5 | 1029.0 | 1030.4 | 1031.7 |
| 160° | 1041.1 | 1040.1 | 1039.1 | 1037.9 | 1036.9 | 1036.9 | 1037.9 | 1039.1 | 1040.1 | 1041.1 | 1042.2 |
| 162.5° | 1051.2 | 1050.2 | 1049.1 | 1048.0 | 1047.0 | 1046.9 | 1047.8 | 1048.7 | 1049.6 | 1050.6 | 1051.7 |
| 165° | 1064.7 | 1063.7 | 1062.6 | 1061.5 | 1060.5 | 1060.2 | 1060.8 | 1061.3 | 1061.9 | 1062.4 | 1063.6 |
| 167.5° | 1074.8 | 1073.8 | 1072.7 | 1071.6 | 1070.6 | 1070.3 | 1070.8 | 1071.3 | 1071.8 | 1072.3 | 1073.5 |
| 170° | 1080.5 | 1079.3 | 1078.3 | 1077.3 | 1076.2 | 1075.9 | 1076.2 | 1076.6 | 1076.9 | 1077.3 | 1078.5 |
| 172.5° | 1084.2 | 1083.1 | 1082.1 | 1081.1 | 1080.0 | 1079.7 | 1080.0 | 1080.4 | 1080.7 | 1081.1 | 1082.3 |
| 175° | 1089.1 | 1087.9 | 1086.7 | 1085.4 | 1084.2 | 1083.7 | 1084.1 | 1084.4 | 1084.8 | 1085.1 | 1086.4 |
| 177.5° | 1089.9 | 1088.9 | 1088.0 | 1086.9 | 1086.0 | 1085.5 | 1085.7 | 1085.8 | 1086.0 | 1086.1 | 1087.1 |
| 180° | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 |



TEST NUMBER: P331453-935

CATALOG NUMBER: S122DIP-S1005D925U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 | 1372.3 |
| 2.5° | 1366.4 | 1368.7 | 1371.1 | 1372.1 | 1371.6 | 1371.1 | 1370.6 | 1370.2 |
| 5° | 1357.2 | 1359.5 | 1361.8 | 1362.8 | 1362.2 | 1361.6 | 1361.0 | 1360.4 |
| 7.5° | 1341.9 | 1344.2 | 1346.6 | 1347.5 | 1346.8 | 1346.2 | 1345.5 | 1344.9 |
| 10° | 1328.2 | 1330.5 | 1332.8 | 1333.6 | 1332.7 | 1331.8 | 1330.9 | 1330.1 |
| 12.5° | 1312.0 | 1313.6 | 1315.3 | 1315.8 | 1315.1 | 1314.5 | 1313.8 | 1313.2 |
| 15° | 1283.6 | 1284.8 | 1285.9 | 1285.8 | 1284.4 | 1282.9 | 1281.4 | 1280.0 |
| 17.5° | 1249.9 | 1251.3 | 1252.6 | 1252.6 | 1251.1 | 1249.7 | 1248.4 | 1246.9 |
| 20° | 1223.7 | 1224.5 | 1225.4 | 1225.2 | 1224.1 | 1222.9 | 1221.8 | 1220.6 |
| 22.5° | 1195.8 | 1196.0 | 1196.2 | 1195.9 | 1195.2 | 1194.6 | 1193.8 | 1193.1 |
| 25° | 1150.5 | 1151.1 | 1151.7 | 1151.7 | 1151.1 | 1150.5 | 1149.9 | 1149.3 |
| 27.5° | 1105.9 | 1104.9 | 1104.1 | 1102.9 | 1101.6 | 1100.1 | 1098.7 | 1097.3 |
| 30° | 1071.0 | 1070.1 | 1069.3 | 1068.2 | 1067.0 | 1065.8 | 1064.7 | 1063.5 |
| 32.5° | 1036.9 | 1035.3 | 1033.7 | 1032.3 | 1031.1 | 1030.0 | 1028.8 | 1027.6 |
| 35° | 982.1 | 980.4 | 978.6 | 977.1 | 975.6 | 974.1 | 972.6 | 971.1 |
| 37.5° | 927.2 | 925.1 | 922.9 | 921.1 | 919.7 | 918.3 | 916.9 | 915.5 |
| 40° | 889.3 | 886.7 | 884.1 | 882.2 | 881.0 | 879.9 | 878.7 | 877.4 |
| 42.5° | 852.0 | 849.0 | 846.2 | 844.0 | 842.3 | 840.7 | 839.0 | 837.3 |
| 45° | 794.5 | 791.3 | 788.1 | 785.8 | 784.6 | 783.5 | 782.3 | 781.2 |
| 47.5° | 734.8 | 731.3 | 728.0 | 725.4 | 723.7 | 722.0 | 720.3 | 718.6 |
| 50° | 696.4 | 692.3 | 688.2 | 685.4 | 684.0 | 682.5 | 681.1 | 679.6 |
| 52.5° | 656.7 | 653.2 | 649.9 | 647.2 | 645.2 | 643.3 | 641.4 | 639.5 |
| 55° | 597.3 | 593.7 | 590.3 | 587.8 | 586.3 | 584.9 | 583.4 | 581.9 |
| 57.5° | 535.6 | 532.2 | 528.7 | 526.4 | 525.4 | 524.3 | 523.1 | 522.0 |
| 60° | 495.0 | 491.7 | 488.5 | 486.5 | 485.6 | 484.7 | 483.8 | 482.9 |
| 62.5° | 456.4 | 453.4 | 450.4 | 448.3 | 447.2 | 446.1 | 445.0 | 443.8 |
| 65° | 397.2 | 394.5 | 391.9 | 389.9 | 388.4 | 386.9 | 385.5 | 384.0 |
| 67.5° | 338.7 | 336.7 | 334.6 | 332.9 | 331.8 | 330.6 | 329.5 | 328.3 |
| 70° | 300.7 | 298.7 | 296.6 | 295.0 | 293.8 | 292.7 | 291.4 | 290.3 |
| 72.5° | 264.8 | 262.8 | 260.7 | 259.2 | 258.3 | 257.4 | 256.4 | 255.5 |
| 75° | 209.0 | 207.2 | 205.4 | 204.8 | 205.4 | 206.0 | 206.6 | 207.2 |
| 77.5° | 158.9 | 158.1 | 157.2 | 156.4 | 155.5 | 154.7 | 153.9 | 153.1 |
| 80° | 126.2 | 125.4 | 124.5 | 123.7 | 123.1 | 122.6 | 122.0 | 121.4 |
| 82.5° | 94.1 | 93.0 | 91.9 | 91.3 | 91.1 | 91.0 | 90.9 | 90.7 |
| 85° | 49.7 | 48.8 | 48.0 | 47.4 | 47.1 | 46.8 | 46.5 | 46.1 |
| 87.5° | 16.9 | 16.4 | 15.8 | 15.5 | 15.3 | 15.2 | 15.0 | 14.8 |
| 90° | 17.5 | 18.3 | 19.2 | 19.8 | 20.1 | 20.5 | 20.9 | 21.3 |
| 92.5° | 19.1 | 19.6 | 20.1 | 20.4 | 20.6 | 20.8 | 21.0 | 21.3 |
| 95° | 32.4 | 33.3 | 34.2 | 34.5 | 34.4 | 34.2 | 34.0 | 33.8 |
| 97.5° | 42.4 | 43.1 | 43.8 | 44.3 | 44.5 | 44.7 | 44.9 | 45.1 |
| 100° | 47.6 | 49.0 | 50.5 | 51.3 | 51.7 | 52.0 | 52.3 | 52.7 |
| 102.5° | 49.7 | 51.6 | 53.4 | 54.5 | 55.0 | 55.4 | 56.0 | 56.5 |
| 105° | 51.8 | 53.7 | 55.6 | 57.0 | 57.7 | 58.4 | 59.1 | 59.8 |
| 107.5° | 63.2 | 61.3 | 59.3 | 58.7 | 59.4 | 60.1 | 60.8 | 61.5 |
| 110° | 102.6 | 85.2 | 67.7 | 59.3 | 60.0 | 60.7 | 61.4 | 62.2 |



TEST NUMBER: P331453-935

CATALOG NUMBER: S122DIP-S1005D925U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 219.6 | 155.8 | 92.1 | 60.5 | 61.0 | 61.6 | 62.2 | 62.8 |
| 115° | 323.4 | 242.5 | 161.5 | 114.8 | 102.2 | 89.6 | 77.1 | 64.5 |
| 117.5° | 498.3 | 478.7 | 459.1 | 428.6 | 387.3 | 345.9 | 304.6 | 263.3 |
| 120° | 580.6 | 582.7 | 584.8 | 574.0 | 550.4 | 526.8 | 503.3 | 479.7 |
| 122.5° | 616.0 | 617.3 | 618.5 | 616.9 | 612.3 | 607.7 | 603.1 | 598.6 |
| 125° | 666.9 | 668.1 | 669.3 | 670.2 | 670.7 | 671.2 | 671.8 | 672.4 |
| 127.5° | 713.9 | 715.7 | 717.6 | 718.4 | 718.6 | 718.7 | 718.8 | 718.8 |
| 130° | 743.8 | 745.7 | 747.6 | 748.6 | 748.4 | 748.1 | 748.0 | 747.8 |
| 132.5° | 772.8 | 774.5 | 776.1 | 776.8 | 776.6 | 776.4 | 776.3 | 776.1 |
| 135° | 814.2 | 816.0 | 817.7 | 818.4 | 818.0 | 817.7 | 817.3 | 817.0 |
| 137.5° | 852.6 | 854.4 | 856.1 | 856.7 | 856.1 | 855.5 | 854.9 | 854.3 |
| 140° | 877.5 | 879.2 | 880.7 | 881.1 | 880.2 | 879.3 | 878.5 | 877.5 |
| 142.5° | 900.5 | 902.0 | 903.4 | 903.7 | 902.8 | 902.0 | 901.1 | 900.2 |
| 145° | 932.7 | 933.9 | 935.1 | 935.3 | 934.4 | 933.6 | 932.7 | 931.9 |
| 147.5° | 960.7 | 961.6 | 962.5 | 962.6 | 961.8 | 961.1 | 960.4 | 959.7 |
| 150° | 977.9 | 979.0 | 980.1 | 980.2 | 979.3 | 978.4 | 977.5 | 976.6 |
| 152.5° | 993.7 | 994.7 | 995.7 | 995.7 | 994.5 | 993.4 | 992.3 | 991.1 |
| 155° | 1014.9 | 1016.0 | 1017.0 | 1016.8 | 1015.5 | 1014.0 | 1012.6 | 1011.2 |
| 157.5° | 1032.8 | 1034.0 | 1035.2 | 1035.1 | 1033.7 | 1032.3 | 1031.0 | 1029.7 |
| 160° | 1043.2 | 1044.3 | 1045.3 | 1045.3 | 1044.0 | 1042.8 | 1041.6 | 1040.3 |
| 162.5° | 1052.9 | 1054.1 | 1055.3 | 1055.2 | 1053.7 | 1052.1 | 1050.7 | 1049.1 |
| 165° | 1064.8 | 1066.0 | 1067.2 | 1067.2 | 1066.0 | 1064.8 | 1063.6 | 1062.4 |
| 167.5° | 1074.7 | 1075.9 | 1077.2 | 1076.9 | 1075.4 | 1073.8 | 1072.3 | 1070.7 |
| 170° | 1079.8 | 1081.0 | 1082.2 | 1082.0 | 1080.5 | 1078.8 | 1077.3 | 1075.7 |
| 172.5° | 1083.5 | 1084.8 | 1086.0 | 1085.8 | 1084.2 | 1082.6 | 1081.1 | 1079.5 |
| 175° | 1087.6 | 1088.8 | 1090.0 | 1089.8 | 1088.0 | 1086.3 | 1084.5 | 1082.8 |
| 177.5° | 1088.0 | 1089.1 | 1090.0 | 1089.9 | 1088.6 | 1087.4 | 1086.1 | 1084.9 |
| 180° | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 |

(END OF REPORT)