

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: P333283-935

Luminaire Tested: **S125DIP-S1090D1035U935-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333283-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1090D1035U935-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7386.7 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: General Diffuse

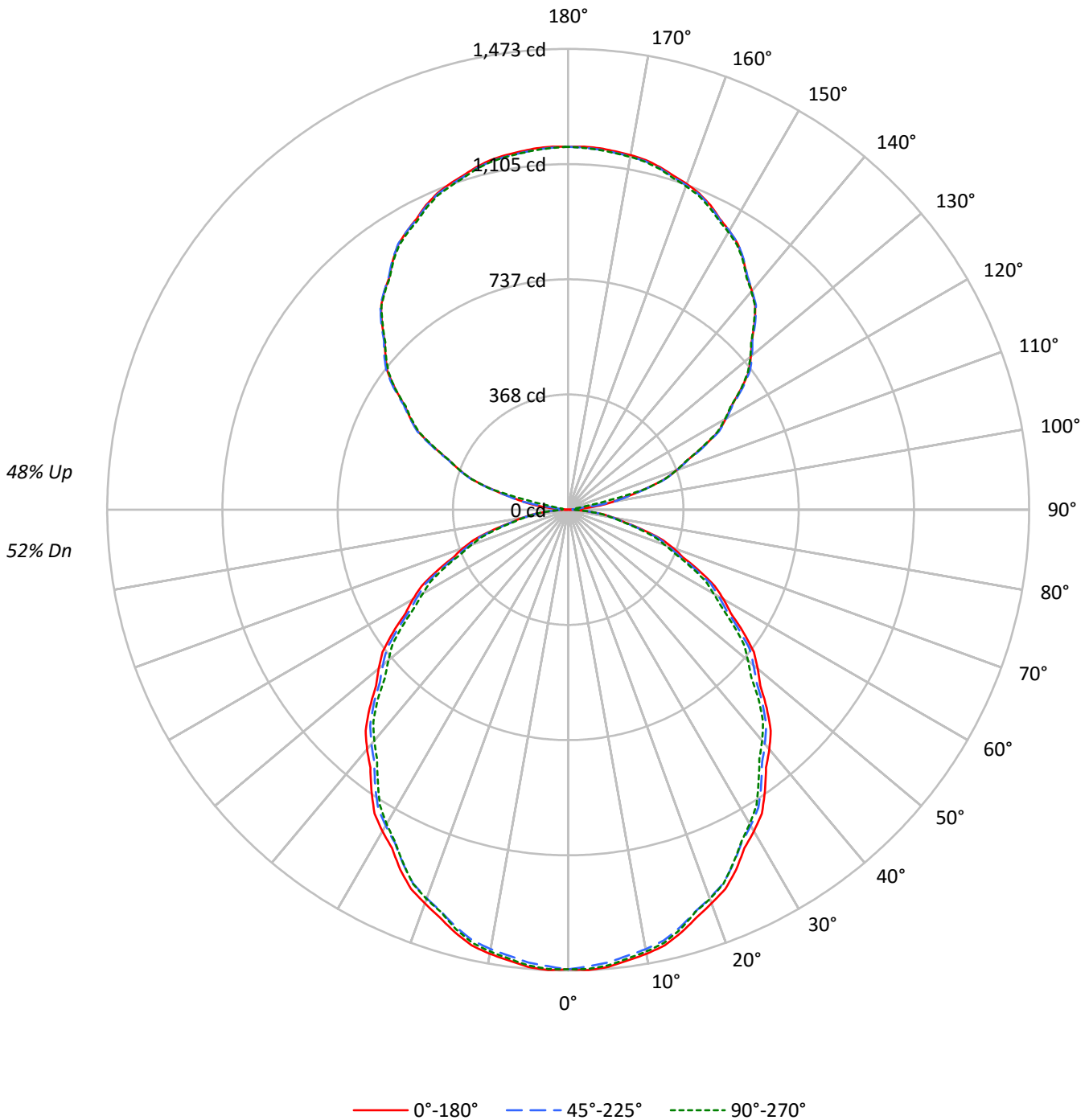
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333283-935

CATALOG NUMBER: S125DIP-S1090D1035U935-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333283-935

CATALOG NUMBER: S125DIP-S1090D1035U935-4F0-1E-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 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 | 52 |
| 1 | 98 | 94 | 90 | 86 | 91 | 87 | 83 | 80 | 74 | 71 | 69 | 62 | 60 | 59 | 51 | 50 | 49 | 43 |
| 2 | 89 | 82 | 76 | 70 | 82 | 76 | 70 | 66 | 65 | 61 | 57 | 54 | 51 | 49 | 45 | 43 | 41 | 36 |
| 3 | 81 | 72 | 65 | 59 | 75 | 67 | 60 | 55 | 57 | 52 | 48 | 48 | 44 | 41 | 40 | 37 | 35 | 31 |
| 4 | 75 | 64 | 56 | 50 | 69 | 59 | 52 | 47 | 51 | 45 | 41 | 43 | 39 | 35 | 35 | 32 | 30 | 26 |
| 5 | 68 | 57 | 49 | 42 | 63 | 53 | 45 | 40 | 45 | 40 | 35 | 38 | 34 | 31 | 32 | 29 | 26 | 23 |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 41 | 35 | 31 | 35 | 30 | 27 | 29 | 26 | 23 | 20 |
| 7 | 58 | 46 | 38 | 32 | 54 | 43 | 36 | 31 | 37 | 31 | 27 | 32 | 27 | 24 | 26 | 23 | 20 | 18 |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 29 | 24 | 21 | 24 | 21 | 18 | 16 |
| 9 | 50 | 38 | 31 | 25 | 47 | 36 | 29 | 24 | 31 | 25 | 22 | 27 | 22 | 19 | 22 | 19 | 17 | 14 |
| 10 | 47 | 35 | 28 | 23 | 44 | 33 | 26 | 22 | 29 | 23 | 19 | 25 | 20 | 17 | 21 | 17 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9489 | 9489 | 9489 |
| 5° | 9510 | 9419 | 9479 |
| 10° | 9452 | 9353 | 9406 |
| 15° | 9349 | 9240 | 9279 |
| 20° | 9203 | 9082 | 9099 |
| 25° | 9045 | 8896 | 8888 |
| 30° | 8850 | 8694 | 8651 |
| 35° | 8642 | 8476 | 8358 |
| 40° | 8427 | 8241 | 8123 |
| 45° | 8195 | 8026 | 7867 |
| 50° | 7941 | 7766 | 7533 |
| 55° | 7696 | 7473 | 7264 |
| 60° | 7401 | 7177 | 6921 |
| 65° | 7051 | 6820 | 6589 |
| 70° | 6717 | 6409 | 6190 |
| 75° | 6119 | 5916 | 5712 |
| 80° | 5449 | 5359 | 5229 |
| 85° | 4735 | 4824 | 4565 |



TEST NUMBER: P333283-935

CATALOG NUMBER: S125DIP-S1090D1035U935-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 138.5 | 1.9 |
| 10°-20° | 391.3 | 5.3 |
| 20°-30° | 577.8 | 7.8 |
| 30°-40° | 674.2 | 9.1 |
| 40°-50° | 677.1 | 9.2 |
| 50°-60° | 594.4 | 8.0 |
| 60°-70° | 442.9 | 6.0 |
| 70°-80° | 253.2 | 3.4 |
| 80°-90° | 76.1 | 1.0 |
| 90°-100° | 42.2 | 0.6 |
| 100°-110° | 259.7 | 3.5 |
| 110°-120° | 471.1 | 6.4 |
| 120°-130° | 604.6 | 8.2 |
| 130°-140° | 650.2 | 8.8 |
| 140°-150° | 610.3 | 8.3 |
| 150°-160° | 493.7 | 6.7 |
| 160°-170° | 319.3 | 4.3 |
| 170°-180° | 110.1 | 1.5 |
| 0°-30° | 1107.6 | 15.0 |
| 0°-40° | 1781.8 | 24.1 |
| 0°-60° | 3053.3 | 41.3 |
| 0°-90° | 3825.4 | 51.8 |
| 90°-120° | 772.9 | 10.5 |
| 90°-150° | 2638.1 | 35.7 |
| 90°-180° | 3561.0 | 48.2 |
| 0°-180° | 7386.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1469 | 1469 | 1469 | 1469 | 1469 | |
| 5° | 1467 | 1464 | 1453 | 1463 | 1462 | 139 |
| 15° | 1398 | 1394 | 1382 | 1388 | 1388 | 394 |
| 25° | 1269 | 1263 | 1248 | 1250 | 1247 | 584 |
| 35° | 1096 | 1091 | 1075 | 1069 | 1060 | 685 |
| 45° | 897 | 892 | 879 | 865 | 861 | 691 |
| 55° | 684 | 679 | 664 | 653 | 645 | 610 |
| 65° | 461 | 458 | 446 | 436 | 431 | 458 |
| 75° | 245 | 243 | 237 | 234 | 229 | 261 |
| 85° | 64 | 65 | 65 | 64 | 62 | 71 |
| 90° | 1 | 8 | 14 | 18 | 21 | 6 |
| 95° | 49 | 45 | 14 | 18 | 18 | 62 |
| 105° | 253 | 256 | 256 | 256 | 255 | 268 |
| 115° | 475 | 479 | 480 | 476 | 471 | 470 |
| 125° | 675 | 681 | 681 | 678 | 675 | 603 |
| 135° | 842 | 846 | 845 | 843 | 838 | 649 |
| 145° | 976 | 977 | 978 | 978 | 973 | 610 |
| 155° | 1075 | 1070 | 1071 | 1073 | 1067 | 495 |
| 165° | 1134 | 1129 | 1130 | 1134 | 1128 | 320 |
| 175° | 1160 | 1155 | 1155 | 1161 | 1154 | 110 |
| 180° | 1160 | 1160 | 1160 | 1160 | 1160 | |



TEST NUMBER: P333283-935

CATALOG NUMBER: S125DIP-S1090D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 |
| 2.5° | 1472.9 | 1472.3 | 1471.6 | 1471.0 | 1470.4 | 1469.0 | 1467.0 | 1464.9 | 1462.8 | 1460.8 | 1462.8 |
| 5° | 1466.9 | 1466.4 | 1465.9 | 1465.3 | 1464.8 | 1463.3 | 1460.7 | 1458.1 | 1455.5 | 1452.9 | 1455.3 |
| 7.5° | 1453.4 | 1452.9 | 1452.3 | 1451.8 | 1451.3 | 1449.6 | 1446.7 | 1443.9 | 1441.1 | 1438.2 | 1440.5 |
| 10° | 1441.3 | 1440.8 | 1440.3 | 1439.8 | 1439.2 | 1437.5 | 1434.7 | 1431.8 | 1429.0 | 1426.2 | 1428.2 |
| 12.5° | 1426.4 | 1425.5 | 1424.5 | 1423.6 | 1422.7 | 1420.9 | 1418.2 | 1415.7 | 1413.0 | 1410.3 | 1412.0 |
| 15° | 1398.3 | 1397.5 | 1396.7 | 1395.9 | 1395.2 | 1393.4 | 1390.5 | 1387.7 | 1384.8 | 1382.0 | 1383.3 |
| 17.5° | 1366.0 | 1364.9 | 1363.7 | 1362.5 | 1361.4 | 1359.3 | 1356.4 | 1353.5 | 1350.6 | 1347.6 | 1349.2 |
| 20° | 1339.0 | 1338.5 | 1338.0 | 1337.5 | 1337.0 | 1335.0 | 1331.6 | 1328.3 | 1324.9 | 1321.5 | 1323.4 |
| 22.5° | 1312.0 | 1311.1 | 1310.2 | 1309.2 | 1308.3 | 1306.2 | 1303.1 | 1299.9 | 1296.8 | 1293.7 | 1294.9 |
| 25° | 1269.3 | 1268.0 | 1266.7 | 1265.4 | 1264.1 | 1261.8 | 1258.4 | 1255.1 | 1251.7 | 1248.4 | 1248.9 |
| 27.5° | 1219.3 | 1218.5 | 1217.7 | 1216.9 | 1216.2 | 1214.1 | 1210.6 | 1207.1 | 1203.7 | 1200.2 | 1200.3 |
| 30° | 1186.7 | 1185.9 | 1185.2 | 1184.4 | 1183.6 | 1181.3 | 1177.4 | 1173.5 | 1169.7 | 1165.8 | 1165.3 |
| 32.5° | 1151.4 | 1150.2 | 1149.0 | 1147.8 | 1146.7 | 1144.4 | 1140.8 | 1137.4 | 1133.9 | 1130.5 | 1129.5 |
| 35° | 1096.1 | 1095.0 | 1094.0 | 1093.0 | 1091.9 | 1089.6 | 1086.0 | 1082.4 | 1078.7 | 1075.1 | 1073.8 |
| 37.5° | 1038.6 | 1037.3 | 1036.0 | 1034.7 | 1033.5 | 1031.1 | 1027.7 | 1024.3 | 1020.9 | 1017.5 | 1015.5 |
| 40° | 999.6 | 998.3 | 997.0 | 995.7 | 994.5 | 992.0 | 988.3 | 984.7 | 981.1 | 977.5 | 975.2 |
| 42.5° | 957.8 | 956.7 | 955.6 | 954.5 | 953.4 | 951.1 | 947.4 | 943.8 | 940.2 | 936.6 | 934.4 |
| 45° | 897.3 | 896.3 | 895.3 | 894.2 | 893.2 | 891.1 | 888.0 | 884.9 | 881.8 | 878.7 | 875.6 |
| 47.5° | 832.2 | 832.2 | 832.3 | 832.4 | 832.4 | 830.6 | 826.9 | 823.1 | 819.4 | 815.7 | 812.5 |
| 50° | 790.4 | 789.6 | 788.8 | 788.1 | 787.3 | 785.3 | 782.2 | 779.1 | 776.0 | 772.9 | 769.6 |
| 52.5° | 747.6 | 747.0 | 746.5 | 745.9 | 745.4 | 743.4 | 740.1 | 736.8 | 733.5 | 730.1 | 727.2 |
| 55° | 683.5 | 682.7 | 681.9 | 681.1 | 680.4 | 678.1 | 674.5 | 670.9 | 667.3 | 663.7 | 661.3 |
| 57.5° | 615.8 | 615.4 | 615.0 | 614.6 | 614.2 | 612.4 | 609.3 | 606.3 | 603.3 | 600.2 | 597.2 |
| 60° | 573.0 | 572.0 | 570.9 | 569.9 | 568.9 | 567.0 | 564.1 | 561.3 | 558.4 | 555.6 | 553.0 |
| 62.5° | 528.4 | 527.5 | 526.8 | 525.9 | 525.1 | 523.5 | 521.0 | 518.6 | 516.2 | 513.8 | 510.9 |
| 65° | 461.4 | 460.9 | 460.4 | 459.9 | 459.3 | 457.7 | 454.9 | 452.0 | 449.2 | 446.3 | 444.0 |
| 67.5° | 396.6 | 395.5 | 394.4 | 393.3 | 392.3 | 390.6 | 388.5 | 386.4 | 384.3 | 382.2 | 380.2 |
| 70° | 355.7 | 354.4 | 353.1 | 351.8 | 350.5 | 348.7 | 346.4 | 344.1 | 341.7 | 339.4 | 337.9 |
| 72.5° | 311.1 | 310.1 | 309.3 | 308.4 | 307.5 | 306.3 | 304.9 | 303.3 | 301.9 | 300.3 | 298.6 |
| 75° | 245.2 | 244.7 | 244.2 | 243.7 | 243.1 | 242.3 | 241.0 | 239.7 | 238.4 | 237.1 | 236.3 |
| 77.5° | 184.6 | 184.3 | 184.2 | 184.0 | 183.7 | 183.3 | 182.5 | 181.8 | 181.2 | 180.4 | 179.9 |
| 80° | 146.5 | 146.5 | 146.5 | 146.5 | 146.5 | 146.2 | 145.7 | 145.2 | 144.6 | 144.1 | 143.9 |
| 82.5° | 113.0 | 112.5 | 112.2 | 111.8 | 111.3 | 111.1 | 111.0 | 110.9 | 110.7 | 110.6 | 110.2 |
| 85° | 63.9 | 64.1 | 64.4 | 64.7 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 64.8 |
| 87.5° | 25.3 | 25.6 | 25.9 | 26.2 | 26.5 | 26.7 | 26.8 | 26.8 | 26.9 | 26.9 | 27.1 |
| 90° | 0.9 | 2.4 | 3.9 | 5.4 | 7.0 | 8.4 | 9.7 | 11.1 | 12.4 | 13.8 | 14.7 |
| 92.5° | 13.3 | 12.1 | 11.1 | 10.0 | 9.0 | 9.0 | 10.2 | 11.4 | 12.6 | 13.8 | 14.7 |
| 95° | 49.0 | 48.4 | 47.9 | 47.3 | 46.8 | 42.8 | 35.6 | 28.2 | 21.0 | 13.8 | 14.7 |
| 97.5° | 102.3 | 103.3 | 104.4 | 105.4 | 106.4 | 99.8 | 85.4 | 71.0 | 56.7 | 42.3 | 36.9 |
| 100° | 143.5 | 144.1 | 144.7 | 145.3 | 145.9 | 146.5 | 147.3 | 148.1 | 148.8 | 149.6 | 121.1 |
| 102.5° | 185.5 | 186.2 | 187.0 | 187.7 | 188.4 | 189.0 | 189.5 | 189.9 | 190.4 | 190.9 | 185.5 |
| 105° | 252.7 | 253.5 | 254.3 | 255.0 | 255.8 | 256.1 | 256.1 | 256.1 | 256.1 | 256.1 | 256.1 |
| 107.5° | 322.5 | 322.5 | 322.5 | 322.5 | 322.5 | 322.7 | 323.1 | 323.5 | 323.9 | 324.3 | 324.3 |
| 110° | 367.9 | 367.9 | 367.9 | 367.9 | 367.9 | 368.2 | 368.5 | 368.9 | 369.3 | 369.6 | 369.1 |



TEST NUMBER: P333283-935

CATALOG NUMBER: S125DIP-S1090D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 410.6 | 411.0 | 411.5 | 412.0 | 412.4 | 412.8 | 413.0 | 413.2 | 413.5 | 413.7 | 412.9 |
| 115° | 474.6 | 475.5 | 476.5 | 477.4 | 478.4 | 479.0 | 479.1 | 479.3 | 479.5 | 479.7 | 479.0 |
| 117.5° | 540.7 | 540.7 | 540.6 | 540.6 | 540.6 | 541.0 | 541.7 | 542.3 | 543.1 | 543.8 | 542.9 |
| 120° | 582.0 | 581.8 | 581.6 | 581.4 | 581.3 | 581.4 | 582.0 | 582.6 | 583.2 | 583.8 | 583.3 |
| 122.5° | 618.5 | 619.1 | 619.9 | 620.6 | 621.4 | 621.8 | 622.2 | 622.4 | 622.7 | 622.9 | 622.5 |
| 125° | 674.9 | 676.1 | 677.5 | 678.9 | 680.2 | 680.9 | 680.9 | 680.9 | 680.9 | 680.9 | 680.1 |
| 127.5° | 728.7 | 729.6 | 730.6 | 731.5 | 732.5 | 732.9 | 732.8 | 732.7 | 732.5 | 732.5 | 732.0 |
| 130° | 761.6 | 762.7 | 763.6 | 764.6 | 765.5 | 766.0 | 766.3 | 766.5 | 766.6 | 766.8 | 766.3 |
| 132.5° | 794.7 | 795.8 | 796.9 | 798.0 | 799.1 | 799.4 | 799.0 | 798.7 | 798.2 | 797.8 | 797.6 |
| 135° | 841.6 | 842.7 | 844.0 | 845.1 | 846.2 | 846.6 | 846.2 | 845.8 | 845.4 | 845.1 | 844.6 |
| 137.5° | 884.8 | 885.8 | 886.7 | 887.8 | 888.7 | 889.1 | 888.7 | 888.4 | 888.0 | 887.7 | 887.8 |
| 140° | 913.0 | 913.3 | 913.8 | 914.1 | 914.5 | 914.6 | 914.4 | 914.2 | 914.0 | 913.9 | 914.2 |
| 142.5° | 938.4 | 938.7 | 938.9 | 939.1 | 939.4 | 939.6 | 939.9 | 940.1 | 940.4 | 940.6 | 940.7 |
| 145° | 975.8 | 976.1 | 976.5 | 976.9 | 977.2 | 977.5 | 977.5 | 977.5 | 977.5 | 977.5 | 977.7 |
| 147.5° | 1008.4 | 1008.3 | 1008.2 | 1008.1 | 1008.1 | 1008.1 | 1008.4 | 1008.7 | 1008.8 | 1009.1 | 1009.4 |
| 150° | 1029.1 | 1028.6 | 1028.3 | 1027.9 | 1027.5 | 1027.5 | 1027.9 | 1028.3 | 1028.6 | 1029.1 | 1029.4 |
| 152.5° | 1049.0 | 1048.2 | 1047.3 | 1046.5 | 1045.6 | 1045.4 | 1045.8 | 1046.1 | 1046.5 | 1046.9 | 1047.3 |
| 155° | 1074.6 | 1073.5 | 1072.3 | 1071.2 | 1070.1 | 1069.6 | 1070.1 | 1070.4 | 1070.7 | 1071.2 | 1071.8 |
| 157.5° | 1094.3 | 1093.6 | 1093.0 | 1092.4 | 1091.7 | 1091.3 | 1091.3 | 1091.4 | 1091.4 | 1091.5 | 1092.1 |
| 160° | 1108.1 | 1107.0 | 1105.9 | 1104.7 | 1103.5 | 1103.0 | 1103.3 | 1103.5 | 1103.6 | 1103.8 | 1104.6 |
| 162.5° | 1119.1 | 1118.0 | 1116.8 | 1115.7 | 1114.6 | 1114.0 | 1114.2 | 1114.5 | 1114.7 | 1114.8 | 1115.9 |
| 165° | 1133.9 | 1132.7 | 1131.6 | 1130.5 | 1129.4 | 1128.9 | 1129.0 | 1129.2 | 1129.5 | 1129.6 | 1130.8 |
| 167.5° | 1145.0 | 1143.8 | 1142.5 | 1141.3 | 1140.2 | 1139.7 | 1139.9 | 1140.1 | 1140.2 | 1140.5 | 1141.9 |
| 170° | 1151.1 | 1149.8 | 1148.4 | 1147.1 | 1145.7 | 1145.2 | 1145.4 | 1145.6 | 1145.7 | 1146.0 | 1147.5 |
| 172.5° | 1155.2 | 1153.9 | 1152.5 | 1151.2 | 1149.9 | 1149.4 | 1149.7 | 1150.0 | 1150.4 | 1150.7 | 1152.1 |
| 175° | 1159.7 | 1158.6 | 1157.4 | 1156.2 | 1155.1 | 1154.7 | 1154.9 | 1155.0 | 1155.2 | 1155.4 | 1156.9 |
| 177.5° | 1161.7 | 1160.9 | 1159.9 | 1159.0 | 1158.1 | 1157.7 | 1157.9 | 1158.0 | 1158.2 | 1158.3 | 1159.4 |
| 180° | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 |



TEST NUMBER: P333283-935

CATALOG NUMBER: S125DIP-S1090D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 |
| 2.5° | 1464.9 | 1467.0 | 1469.0 | 1470.0 | 1469.8 | 1469.6 | 1469.4 | 1469.2 |
| 5° | 1457.6 | 1459.9 | 1462.2 | 1463.3 | 1463.0 | 1462.8 | 1462.5 | 1462.2 |
| 7.5° | 1442.8 | 1445.1 | 1447.3 | 1448.4 | 1448.1 | 1447.9 | 1447.6 | 1447.3 |
| 10° | 1430.3 | 1432.4 | 1434.4 | 1435.4 | 1435.1 | 1434.9 | 1434.6 | 1434.3 |
| 12.5° | 1413.7 | 1415.3 | 1416.9 | 1417.8 | 1417.7 | 1417.6 | 1417.6 | 1417.6 |
| 15° | 1384.6 | 1385.9 | 1387.2 | 1387.8 | 1387.8 | 1387.8 | 1387.8 | 1387.8 |
| 17.5° | 1350.8 | 1352.4 | 1354.0 | 1354.2 | 1352.9 | 1351.6 | 1350.3 | 1349.0 |
| 20° | 1325.2 | 1327.0 | 1328.8 | 1329.0 | 1327.7 | 1326.5 | 1325.2 | 1323.9 |
| 22.5° | 1296.1 | 1297.3 | 1298.4 | 1298.6 | 1297.7 | 1296.8 | 1296.0 | 1295.0 |
| 25° | 1249.4 | 1249.9 | 1250.4 | 1250.3 | 1249.5 | 1248.7 | 1247.9 | 1247.2 |
| 27.5° | 1200.4 | 1200.5 | 1200.7 | 1200.3 | 1199.5 | 1198.8 | 1198.0 | 1197.2 |
| 30° | 1164.8 | 1164.2 | 1163.7 | 1163.1 | 1162.4 | 1161.6 | 1160.8 | 1160.0 |
| 32.5° | 1128.6 | 1127.7 | 1126.8 | 1125.6 | 1124.2 | 1122.8 | 1121.4 | 1120.0 |
| 35° | 1072.5 | 1071.3 | 1070.0 | 1068.3 | 1066.3 | 1064.2 | 1062.1 | 1060.1 |
| 37.5° | 1013.7 | 1011.8 | 1009.9 | 1008.3 | 1007.1 | 1005.9 | 1004.7 | 1003.6 |
| 40° | 972.8 | 970.5 | 968.2 | 966.6 | 965.9 | 965.1 | 964.3 | 963.5 |
| 42.5° | 932.4 | 930.2 | 928.2 | 926.4 | 925.3 | 924.1 | 922.9 | 921.7 |
| 45° | 872.5 | 869.4 | 866.3 | 864.4 | 863.6 | 862.8 | 862.0 | 861.3 |
| 47.5° | 809.4 | 806.2 | 803.1 | 800.6 | 798.8 | 797.0 | 795.2 | 793.4 |
| 50° | 766.2 | 762.8 | 759.5 | 756.9 | 755.1 | 753.3 | 751.5 | 749.7 |
| 52.5° | 724.3 | 721.3 | 718.4 | 715.9 | 713.9 | 711.9 | 709.9 | 707.8 |
| 55° | 659.0 | 656.7 | 654.4 | 652.3 | 650.5 | 648.7 | 646.9 | 645.1 |
| 57.5° | 594.3 | 591.2 | 588.2 | 586.3 | 585.3 | 584.3 | 583.3 | 582.3 |
| 60° | 550.4 | 547.9 | 545.3 | 543.0 | 541.2 | 539.4 | 537.6 | 535.8 |
| 62.5° | 508.2 | 505.4 | 502.6 | 500.5 | 499.1 | 497.7 | 496.3 | 494.9 |
| 65° | 441.7 | 439.4 | 437.0 | 435.3 | 434.3 | 433.3 | 432.2 | 431.2 |
| 67.5° | 378.2 | 376.3 | 374.3 | 373.0 | 372.4 | 371.8 | 371.2 | 370.6 |
| 70° | 336.3 | 334.8 | 333.2 | 331.9 | 330.9 | 329.8 | 328.8 | 327.8 |
| 72.5° | 296.9 | 295.1 | 293.3 | 292.0 | 290.9 | 289.9 | 288.9 | 287.8 |
| 75° | 235.6 | 234.8 | 234.0 | 233.1 | 232.0 | 231.0 | 230.0 | 228.9 |
| 77.5° | 179.4 | 179.0 | 178.6 | 178.0 | 177.2 | 176.5 | 175.7 | 175.0 |
| 80° | 143.6 | 143.4 | 143.1 | 142.7 | 142.2 | 141.6 | 141.1 | 140.6 |
| 82.5° | 109.7 | 109.3 | 108.8 | 108.5 | 108.4 | 108.3 | 108.2 | 108.1 |
| 85° | 64.6 | 64.3 | 64.1 | 63.6 | 63.1 | 62.6 | 62.1 | 61.6 |
| 87.5° | 27.3 | 27.5 | 27.7 | 27.6 | 27.4 | 27.0 | 26.8 | 26.4 |
| 90° | 15.7 | 16.6 | 17.6 | 18.3 | 18.9 | 19.5 | 20.1 | 20.7 |
| 92.5° | 15.7 | 16.6 | 17.6 | 18.2 | 18.4 | 18.7 | 19.0 | 19.3 |
| 95° | 15.7 | 16.6 | 17.6 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 |
| 97.5° | 31.5 | 26.2 | 20.8 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 |
| 100° | 92.6 | 64.2 | 35.7 | 21.1 | 20.3 | 19.5 | 18.9 | 18.1 |
| 102.5° | 180.0 | 174.7 | 169.3 | 160.1 | 147.1 | 134.1 | 121.1 | 108.1 |
| 105° | 256.1 | 256.1 | 256.1 | 256.1 | 255.9 | 255.7 | 255.5 | 255.3 |
| 107.5° | 324.3 | 324.4 | 324.4 | 324.2 | 323.6 | 323.0 | 322.4 | 321.8 |
| 110° | 368.5 | 367.9 | 367.4 | 367.2 | 367.4 | 367.6 | 367.7 | 367.9 |



TEST NUMBER: P333283-935

CATALOG NUMBER: S125DIP-S1090D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 412.2 | 411.5 | 410.8 | 410.3 | 410.0 | 409.7 | 409.5 | 409.2 |
| 115° | 478.2 | 477.4 | 476.6 | 475.7 | 474.6 | 473.4 | 472.3 | 471.1 |
| 117.5° | 541.8 | 540.9 | 539.8 | 539.1 | 538.6 | 538.1 | 537.6 | 537.1 |
| 120° | 583.0 | 582.6 | 582.2 | 581.5 | 580.6 | 579.6 | 578.7 | 577.7 |
| 122.5° | 622.2 | 621.8 | 621.4 | 620.6 | 619.6 | 618.5 | 617.3 | 616.2 |
| 125° | 679.3 | 678.6 | 677.8 | 677.2 | 676.6 | 676.0 | 675.5 | 674.9 |
| 127.5° | 731.6 | 731.2 | 730.7 | 729.9 | 728.4 | 727.0 | 725.7 | 724.2 |
| 130° | 765.7 | 765.1 | 764.6 | 763.8 | 762.8 | 761.9 | 761.0 | 759.9 |
| 132.5° | 797.5 | 797.5 | 797.3 | 796.8 | 795.8 | 794.9 | 793.9 | 793.0 |
| 135° | 844.3 | 844.0 | 843.5 | 842.7 | 841.6 | 840.5 | 839.3 | 838.2 |
| 137.5° | 887.9 | 887.9 | 888.0 | 887.5 | 886.6 | 885.5 | 884.6 | 883.6 |
| 140° | 914.6 | 915.0 | 915.3 | 915.0 | 913.9 | 912.7 | 911.5 | 910.4 |
| 142.5° | 940.8 | 940.9 | 941.0 | 940.5 | 939.3 | 938.1 | 937.0 | 935.8 |
| 145° | 977.8 | 978.0 | 978.2 | 977.8 | 976.6 | 975.4 | 974.3 | 973.2 |
| 147.5° | 1009.5 | 1009.8 | 1010.0 | 1009.4 | 1008.1 | 1006.7 | 1005.3 | 1003.9 |
| 150° | 1029.8 | 1030.2 | 1030.5 | 1030.0 | 1028.5 | 1026.9 | 1025.4 | 1023.9 |
| 152.5° | 1047.7 | 1048.1 | 1048.4 | 1047.9 | 1046.5 | 1045.2 | 1043.8 | 1042.4 |
| 155° | 1072.3 | 1072.9 | 1073.5 | 1073.0 | 1071.4 | 1069.9 | 1068.4 | 1066.9 |
| 157.5° | 1092.7 | 1093.3 | 1093.9 | 1093.5 | 1091.9 | 1090.4 | 1088.8 | 1087.4 |
| 160° | 1105.4 | 1106.1 | 1106.9 | 1106.5 | 1105.0 | 1103.5 | 1101.9 | 1100.4 |
| 162.5° | 1117.0 | 1118.0 | 1119.1 | 1118.8 | 1117.1 | 1115.4 | 1113.8 | 1112.1 |
| 165° | 1131.9 | 1133.1 | 1134.2 | 1134.0 | 1132.5 | 1130.9 | 1129.5 | 1127.9 |
| 167.5° | 1143.2 | 1144.6 | 1146.0 | 1145.8 | 1144.1 | 1142.4 | 1140.7 | 1138.9 |
| 170° | 1149.0 | 1150.6 | 1152.1 | 1151.9 | 1150.2 | 1148.6 | 1146.9 | 1145.1 |
| 172.5° | 1153.5 | 1154.9 | 1156.2 | 1156.1 | 1154.3 | 1152.6 | 1150.9 | 1149.3 |
| 175° | 1158.5 | 1160.0 | 1161.5 | 1161.4 | 1159.7 | 1158.0 | 1156.2 | 1154.5 |
| 177.5° | 1160.5 | 1161.6 | 1162.6 | 1162.5 | 1161.3 | 1160.1 | 1158.9 | 1157.6 |
| 180° | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 |

(END OF REPORT)