

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: P333266-935

Luminaire Tested: **S125DIP-S1090D590U935-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333266-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1090D590U935-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5585.6 lumens
Efficiency: N/A
Efficacy: 114.5 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: Semi-Direct

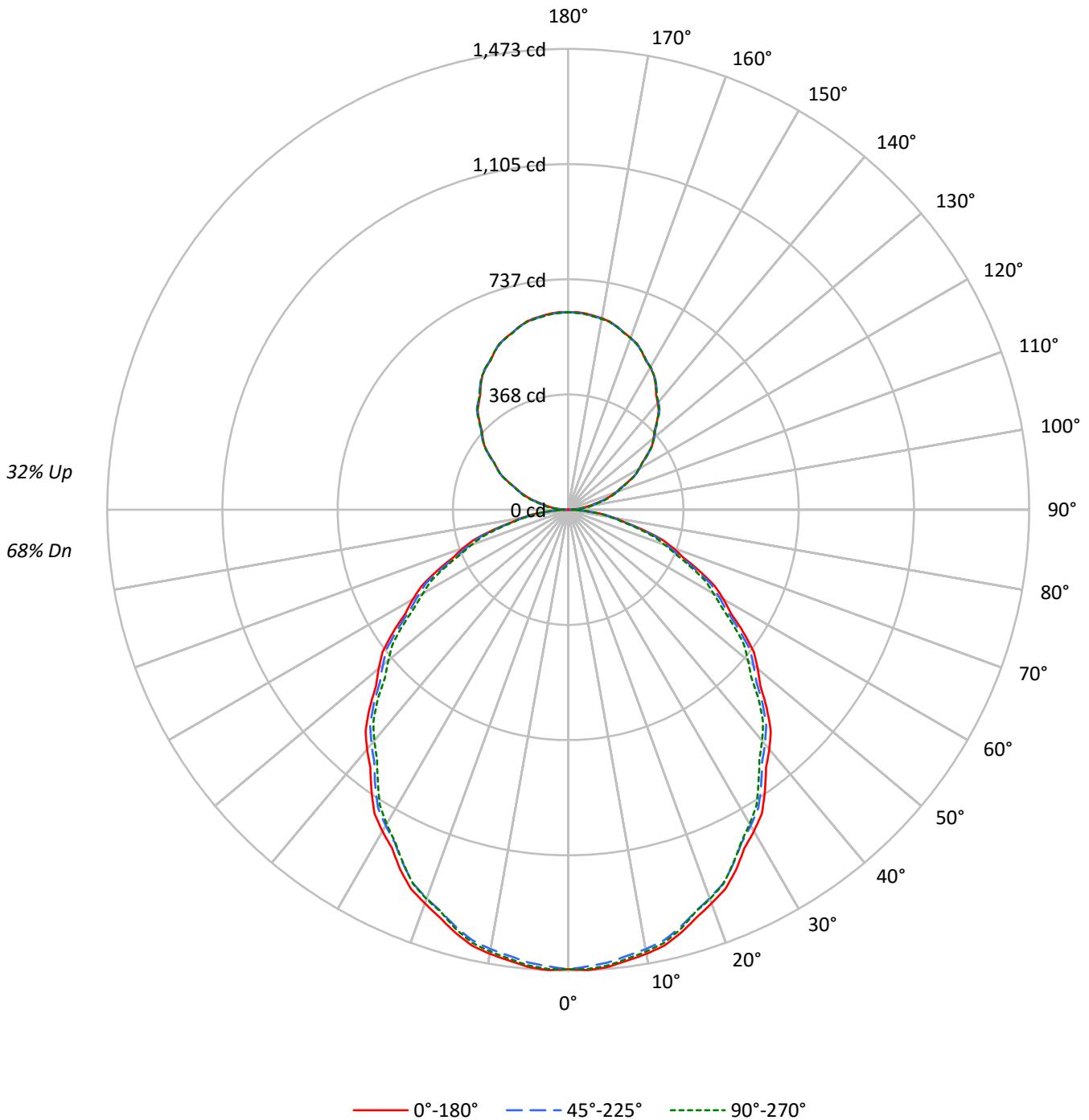
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333266-935

CATALOG NUMBER: S125DIP-S1090D590U935-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333266-935

CATALOG NUMBER: S125DIP-S1090D590U935-4F0-1E-UDD-F1

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 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 105 | 94 | 94 | 94 | 83 | 83 | 83 | 73 | 73 | 73 | 68 |
| 1 | 102 | 97 | 93 | 90 | 96 | 92 | 88 | 85 | 82 | 79 | 77 | 73 | 71 | 69 | 64 | 63 | 62 | 57 |
| 2 | 93 | 85 | 79 | 73 | 87 | 80 | 75 | 70 | 72 | 67 | 64 | 64 | 61 | 58 | 57 | 54 | 52 | 48 |
| 3 | 85 | 75 | 67 | 61 | 80 | 71 | 64 | 58 | 63 | 58 | 53 | 57 | 52 | 49 | 50 | 47 | 44 | 41 |
| 4 | 77 | 66 | 58 | 52 | 73 | 63 | 55 | 50 | 56 | 50 | 46 | 50 | 46 | 42 | 45 | 41 | 38 | 35 |
| 5 | 71 | 59 | 51 | 44 | 67 | 56 | 48 | 43 | 51 | 44 | 39 | 45 | 40 | 36 | 40 | 36 | 33 | 30 |
| 6 | 66 | 53 | 45 | 39 | 62 | 51 | 43 | 37 | 46 | 39 | 35 | 41 | 36 | 32 | 37 | 32 | 29 | 27 |
| 7 | 61 | 48 | 40 | 34 | 57 | 46 | 38 | 33 | 41 | 35 | 31 | 37 | 32 | 28 | 34 | 29 | 26 | 24 |
| 8 | 56 | 44 | 36 | 30 | 53 | 42 | 34 | 29 | 38 | 32 | 27 | 34 | 29 | 25 | 31 | 27 | 23 | 21 |
| 9 | 53 | 40 | 32 | 27 | 50 | 38 | 31 | 26 | 35 | 29 | 24 | 32 | 26 | 23 | 28 | 24 | 21 | 19 |
| 10 | 49 | 37 | 29 | 24 | 47 | 35 | 28 | 24 | 32 | 26 | 22 | 29 | 24 | 21 | 26 | 22 | 19 | 17 |

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: P333266-935

CATALOG NUMBER: S125DIP-S1090D590U935-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 138.5 | 2.5 |
| 10°-20° | 391.3 | 7.0 |
| 20°-30° | 577.8 | 10.3 |
| 30°-40° | 674.2 | 12.1 |
| 40°-50° | 677.1 | 12.1 |
| 50°-60° | 594.4 | 10.6 |
| 60°-70° | 442.9 | 7.9 |
| 70°-80° | 253.2 | 4.5 |
| 80°-90° | 75.1 | 1.3 |
| 90°-100° | 42.3 | 0.8 |
| 100°-110° | 124.8 | 2.2 |
| 110°-120° | 211.4 | 3.8 |
| 120°-130° | 278.3 | 5.0 |
| 130°-140° | 311.8 | 5.6 |
| 140°-150° | 305.6 | 5.5 |
| 150°-160° | 256.7 | 4.6 |
| 160°-170° | 170.6 | 3.1 |
| 170°-180° | 59.7 | 1.1 |
| 0°-30° | 1107.6 | 19.8 |
| 0°-40° | 1781.8 | 31.9 |
| 0°-60° | 3053.3 | 54.7 |
| 0°-90° | 3824.4 | 68.5 |
| 90°-120° | 378.5 | 6.8 |
| 90°-150° | 1274.2 | 22.8 |
| 90°-180° | 1761.0 | 31.5 |
| 0°-180° | 5585.6 | 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° | 0 | 4 | 8 | 10 | 12 | 5 |
| 95° | 32 | 33 | 38 | 41 | 42 | 34 |
| 105° | 112 | 114 | 117 | 120 | 122 | 120 |
| 115° | 212 | 214 | 215 | 214 | 214 | 209 |
| 125° | 309 | 312 | 312 | 311 | 311 | 277 |
| 135° | 402 | 405 | 405 | 405 | 403 | 310 |
| 145° | 487 | 489 | 490 | 490 | 489 | 304 |
| 155° | 557 | 557 | 558 | 559 | 557 | 256 |
| 165° | 606 | 605 | 605 | 607 | 604 | 171 |
| 175° | 630 | 628 | 628 | 630 | 627 | 60 |
| 180° | 631 | 631 | 631 | 631 | 631 | |



TEST NUMBER: P333266-935

CATALOG NUMBER: S125DIP-S1090D590U935-4F0-1E-UDD-F1

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° | 25.2 | 25.4 | 25.6 | 25.7 | 25.9 | 26.0 | 25.9 | 25.8 | 25.8 | 25.7 | 25.8 |
| 90° | 0.5 | 1.4 | 2.2 | 3.1 | 4.0 | 4.8 | 5.6 | 6.4 | 7.1 | 7.8 | 8.4 |
| 92.5° | 11.9 | 12.5 | 13.1 | 13.7 | 14.3 | 15.1 | 16.0 | 17.0 | 17.9 | 18.9 | 19.5 |
| 95° | 31.9 | 32.1 | 32.4 | 32.5 | 32.8 | 33.5 | 34.5 | 35.6 | 36.8 | 37.8 | 38.6 |
| 97.5° | 53.0 | 53.1 | 53.2 | 53.3 | 53.4 | 54.2 | 55.7 | 57.2 | 58.7 | 60.2 | 61.0 |
| 100° | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 69.5 | 70.9 | 72.3 | 73.7 | 75.2 | 76.1 |
| 102.5° | 85.7 | 86.1 | 86.5 | 87.0 | 87.4 | 88.0 | 88.7 | 89.5 | 90.1 | 90.8 | 92.0 |
| 105° | 112.0 | 112.5 | 113.0 | 113.7 | 114.2 | 114.8 | 115.5 | 116.1 | 116.8 | 117.4 | 118.0 |
| 107.5° | 141.0 | 141.6 | 142.2 | 142.7 | 143.3 | 143.8 | 144.3 | 144.7 | 145.3 | 145.8 | 146.1 |
| 110° | 161.1 | 161.6 | 162.2 | 162.7 | 163.3 | 163.8 | 164.0 | 164.4 | 164.7 | 165.1 | 165.4 |



TEST NUMBER: P333266-935

CATALOG NUMBER: S125DIP-S1090D590U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 181.5 | 181.8 | 182.1 | 182.4 | 182.7 | 183.0 | 183.5 | 183.8 | 184.3 | 184.7 | 184.9 |
| 115° | 211.7 | 212.2 | 212.6 | 213.0 | 213.4 | 213.8 | 214.0 | 214.2 | 214.4 | 214.6 | 214.6 |
| 117.5° | 241.9 | 242.1 | 242.4 | 242.5 | 242.7 | 243.0 | 243.1 | 243.3 | 243.5 | 243.7 | 243.8 |
| 120° | 260.8 | 261.4 | 261.9 | 262.4 | 263.0 | 263.3 | 263.5 | 263.6 | 263.6 | 263.7 | 263.7 |
| 122.5° | 281.3 | 281.5 | 281.6 | 281.8 | 282.1 | 282.2 | 282.6 | 282.8 | 283.1 | 283.4 | 283.4 |
| 125° | 308.9 | 309.6 | 310.2 | 310.9 | 311.6 | 311.9 | 312.0 | 312.2 | 312.3 | 312.4 | 312.2 |
| 127.5° | 338.5 | 338.8 | 339.1 | 339.5 | 339.9 | 340.2 | 340.3 | 340.4 | 340.5 | 340.7 | 340.6 |
| 130° | 356.1 | 356.6 | 357.2 | 357.7 | 358.3 | 358.7 | 358.9 | 359.1 | 359.3 | 359.6 | 359.5 |
| 132.5° | 373.8 | 374.7 | 375.6 | 376.4 | 377.4 | 377.8 | 377.7 | 377.7 | 377.6 | 377.6 | 377.5 |
| 135° | 401.7 | 402.4 | 403.1 | 403.7 | 404.4 | 404.8 | 404.9 | 405.0 | 405.1 | 405.2 | 405.2 |
| 137.5° | 428.1 | 428.8 | 429.4 | 430.0 | 430.7 | 431.1 | 431.4 | 431.5 | 431.8 | 432.0 | 432.1 |
| 140° | 445.0 | 445.6 | 446.1 | 446.6 | 447.2 | 447.6 | 448.0 | 448.3 | 448.6 | 448.9 | 449.2 |
| 142.5° | 461.9 | 462.4 | 462.8 | 463.3 | 463.7 | 464.2 | 464.6 | 465.0 | 465.5 | 465.8 | 466.0 |
| 145° | 486.7 | 487.2 | 487.7 | 488.1 | 488.5 | 488.9 | 489.2 | 489.6 | 489.9 | 490.2 | 490.2 |
| 147.5° | 509.7 | 510.0 | 510.2 | 510.5 | 510.7 | 510.9 | 511.2 | 511.5 | 511.8 | 512.0 | 512.3 |
| 150° | 525.0 | 525.0 | 524.9 | 524.8 | 524.6 | 524.8 | 525.2 | 525.6 | 526.1 | 526.5 | 526.5 |
| 152.5° | 537.6 | 537.8 | 538.0 | 538.1 | 538.2 | 538.4 | 538.6 | 538.7 | 538.9 | 539.2 | 539.4 |
| 155° | 557.0 | 557.0 | 557.0 | 557.0 | 557.0 | 557.1 | 557.2 | 557.2 | 557.4 | 557.5 | 557.9 |
| 157.5° | 574.3 | 574.0 | 573.8 | 573.6 | 573.3 | 573.3 | 573.3 | 573.5 | 573.6 | 573.7 | 574.1 |
| 160° | 584.5 | 584.2 | 583.8 | 583.5 | 583.2 | 583.1 | 583.2 | 583.3 | 583.4 | 583.5 | 583.9 |
| 162.5° | 593.6 | 593.3 | 593.1 | 592.8 | 592.5 | 592.5 | 592.5 | 592.5 | 592.5 | 592.5 | 593.1 |
| 165° | 605.6 | 605.4 | 605.2 | 604.9 | 604.8 | 604.7 | 604.8 | 604.9 | 605.0 | 605.1 | 605.5 |
| 167.5° | 615.9 | 615.4 | 614.9 | 614.5 | 614.1 | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 | 614.5 |
| 170° | 621.3 | 620.9 | 620.4 | 620.0 | 619.6 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 620.0 |
| 172.5° | 625.3 | 624.8 | 624.4 | 624.0 | 623.5 | 623.3 | 623.3 | 623.3 | 623.3 | 623.3 | 624.0 |
| 175° | 629.6 | 629.2 | 628.8 | 628.4 | 627.9 | 627.8 | 627.8 | 627.8 | 627.8 | 627.8 | 628.4 |
| 177.5° | 632.0 | 631.6 | 631.3 | 630.9 | 630.5 | 630.3 | 630.3 | 630.2 | 630.1 | 630.0 | 630.5 |
| 180° | 631.2 | 631.2 | 631.2 | 631.2 | 631.2 | 631.2 | 631.2 | 631.2 | 631.2 | 631.2 | 631.2 |



TEST NUMBER: P333266-935

CATALOG NUMBER: S125DIP-S1090D590U935-4F0-1E-UDD-F1

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° | 26.0 | 26.1 | 26.2 | 26.1 | 25.7 | 25.4 | 25.1 | 24.7 |
| 90° | 9.0 | 9.5 | 10.1 | 10.5 | 10.8 | 11.1 | 11.5 | 11.8 |
| 92.5° | 20.3 | 21.0 | 21.8 | 22.2 | 22.5 | 22.7 | 22.9 | 23.2 |
| 95° | 39.3 | 40.1 | 40.9 | 41.3 | 41.6 | 41.8 | 42.0 | 42.3 |
| 97.5° | 61.6 | 62.4 | 63.1 | 63.5 | 63.6 | 63.8 | 63.9 | 64.1 |
| 100° | 77.1 | 78.1 | 79.0 | 79.6 | 79.9 | 80.2 | 80.3 | 80.6 |
| 102.5° | 93.0 | 94.1 | 95.1 | 95.8 | 96.2 | 96.4 | 96.8 | 97.0 |
| 105° | 118.7 | 119.3 | 120.0 | 120.5 | 120.8 | 121.1 | 121.5 | 121.8 |
| 107.5° | 146.5 | 146.8 | 147.1 | 147.2 | 147.2 | 147.2 | 147.1 | 147.1 |
| 110° | 165.7 | 166.0 | 166.3 | 166.4 | 166.3 | 166.3 | 166.1 | 166.0 |



TEST NUMBER: P333266-935

CATALOG NUMBER: S125DIP-S1090D590U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 185.0 | 185.1 | 185.3 | 185.3 | 185.1 | 184.9 | 184.7 | 184.5 |
| 115° | 214.4 | 214.3 | 214.2 | 214.1 | 214.0 | 213.9 | 213.8 | 213.7 |
| 117.5° | 243.9 | 244.0 | 244.1 | 243.9 | 243.5 | 243.1 | 242.6 | 242.1 |
| 120° | 263.7 | 263.7 | 263.7 | 263.6 | 263.1 | 262.7 | 262.3 | 261.8 |
| 122.5° | 283.3 | 283.2 | 283.1 | 282.8 | 282.5 | 282.1 | 281.8 | 281.5 |
| 125° | 311.9 | 311.8 | 311.5 | 311.3 | 311.3 | 311.2 | 311.0 | 310.9 |
| 127.5° | 340.4 | 340.4 | 340.3 | 340.1 | 339.8 | 339.7 | 339.4 | 339.2 |
| 130° | 359.3 | 359.2 | 359.1 | 359.0 | 358.7 | 358.5 | 358.3 | 358.1 |
| 132.5° | 377.4 | 377.3 | 377.2 | 376.9 | 376.7 | 376.3 | 376.1 | 375.7 |
| 135° | 405.2 | 405.2 | 405.2 | 405.0 | 404.6 | 404.2 | 403.7 | 403.3 |
| 137.5° | 432.3 | 432.4 | 432.6 | 432.4 | 431.8 | 431.3 | 430.8 | 430.2 |
| 140° | 449.4 | 449.6 | 449.8 | 449.6 | 449.1 | 448.6 | 448.0 | 447.5 |
| 142.5° | 466.1 | 466.2 | 466.3 | 466.1 | 465.6 | 465.0 | 464.5 | 464.0 |
| 145° | 490.2 | 490.2 | 490.2 | 490.0 | 489.7 | 489.4 | 489.0 | 488.7 |
| 147.5° | 512.6 | 512.8 | 513.1 | 512.8 | 512.0 | 511.3 | 510.6 | 509.9 |
| 150° | 526.5 | 526.5 | 526.5 | 526.4 | 526.2 | 526.0 | 525.8 | 525.6 |
| 152.5° | 539.7 | 539.9 | 540.2 | 540.1 | 539.7 | 539.3 | 538.9 | 538.6 |
| 155° | 558.4 | 558.8 | 559.2 | 559.2 | 558.6 | 558.1 | 557.5 | 557.0 |
| 157.5° | 574.5 | 575.0 | 575.4 | 575.3 | 574.5 | 573.9 | 573.2 | 572.4 |
| 160° | 584.4 | 584.8 | 585.2 | 585.2 | 584.7 | 584.1 | 583.6 | 583.1 |
| 162.5° | 593.6 | 594.1 | 594.7 | 594.6 | 594.0 | 593.3 | 592.7 | 592.0 |
| 165° | 606.0 | 606.4 | 606.9 | 606.7 | 606.1 | 605.5 | 604.8 | 604.2 |
| 167.5° | 615.2 | 615.9 | 616.5 | 616.5 | 615.8 | 615.1 | 614.4 | 613.8 |
| 170° | 620.7 | 621.3 | 622.0 | 621.9 | 621.2 | 620.4 | 619.7 | 618.9 |
| 172.5° | 624.7 | 625.3 | 625.9 | 625.9 | 625.3 | 624.6 | 623.9 | 623.2 |
| 175° | 629.0 | 629.6 | 630.3 | 630.3 | 629.6 | 628.8 | 628.0 | 627.2 |
| 177.5° | 631.0 | 631.5 | 632.1 | 632.1 | 631.5 | 630.9 | 630.2 | 629.6 |
| 180° | 631.2 | 631.2 | 631.2 | 631.2 | 631.2 | 631.2 | 631.2 | 631.2 |

(END OF REPORT)