

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: P333283-840

Luminaire Tested: **S125DIP-S1090D1035U840-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333283-840
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-S1090D1035U840-4F0-1E-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: 8663.9 lumens
Efficiency: N/A
Efficacy: 143.2 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

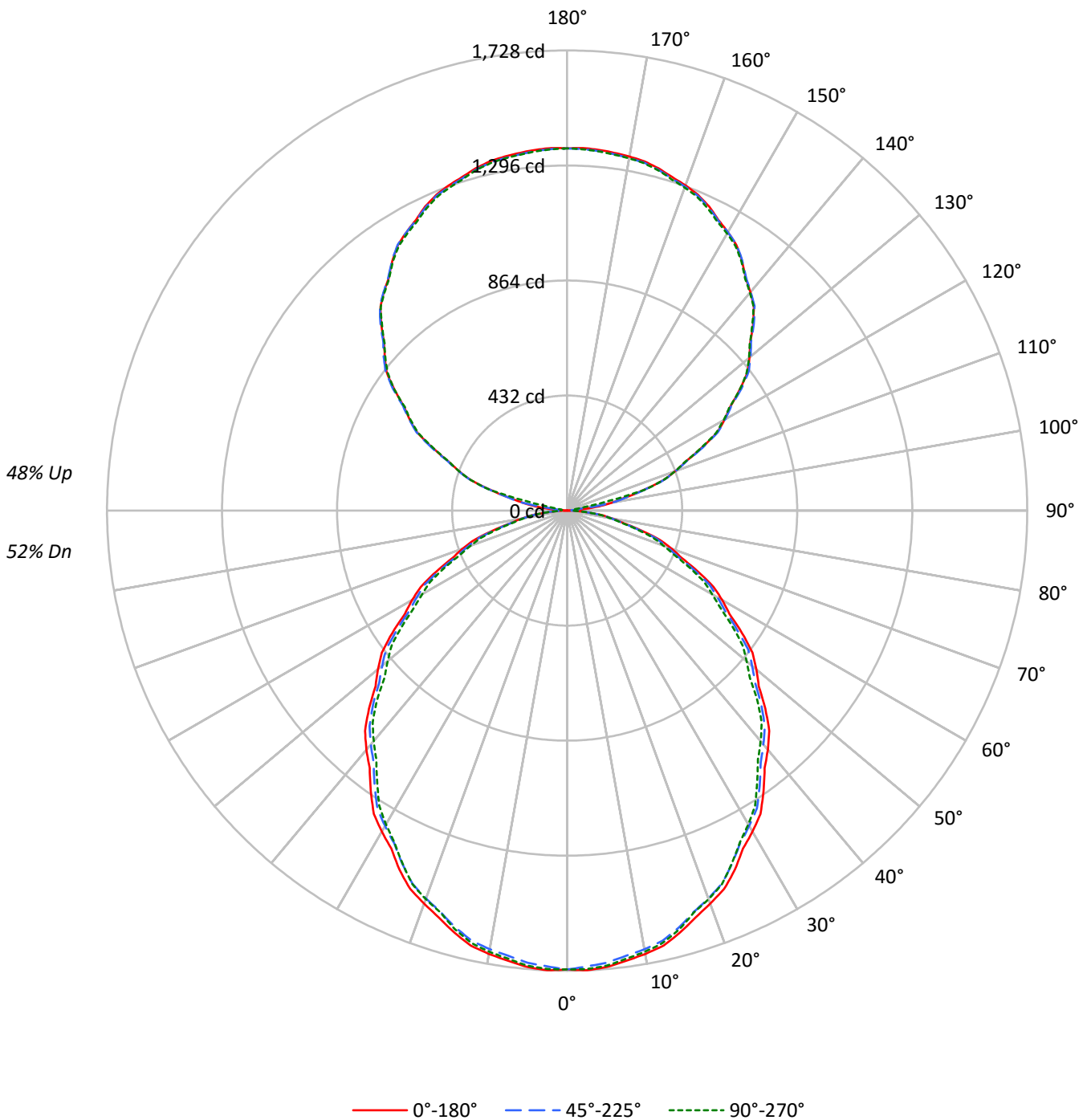
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333283-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333283-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-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° | 11129 | 11129 | 11129 |
| 5° | 11154 | 11048 | 11119 |
| 10° | 11086 | 10970 | 11032 |
| 15° | 10965 | 10838 | 10884 |
| 20° | 10794 | 10653 | 10672 |
| 25° | 10608 | 10434 | 10424 |
| 30° | 10380 | 10197 | 10147 |
| 35° | 10136 | 9942 | 9802 |
| 40° | 9885 | 9666 | 9528 |
| 45° | 9613 | 9414 | 9227 |
| 50° | 9315 | 9109 | 8835 |
| 55° | 9026 | 8765 | 8519 |
| 60° | 8681 | 8418 | 8117 |
| 65° | 8270 | 8000 | 7728 |
| 70° | 7878 | 7517 | 7260 |
| 75° | 7177 | 6939 | 6700 |
| 80° | 6390 | 6289 | 6133 |
| 85° | 5550 | 5654 | 5350 |



TEST NUMBER: P333283-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 162.5 | 1.9 |
| 10°-20° | 459.0 | 5.3 |
| 20°-30° | 677.7 | 7.8 |
| 30°-40° | 790.7 | 9.1 |
| 40°-50° | 794.2 | 9.2 |
| 50°-60° | 697.1 | 8.0 |
| 60°-70° | 519.5 | 6.0 |
| 70°-80° | 297.0 | 3.4 |
| 80°-90° | 89.2 | 1.0 |
| 90°-100° | 49.4 | 0.6 |
| 100°-110° | 304.6 | 3.5 |
| 110°-120° | 552.5 | 6.4 |
| 120°-130° | 709.1 | 8.2 |
| 130°-140° | 762.7 | 8.8 |
| 140°-150° | 715.9 | 8.3 |
| 150°-160° | 579.1 | 6.7 |
| 160°-170° | 374.5 | 4.3 |
| 170°-180° | 129.2 | 1.5 |
| 0°-30° | 1299.1 | 15.0 |
| 0°-40° | 2089.8 | 24.1 |
| 0°-60° | 3581.2 | 41.3 |
| 0°-90° | 4486.8 | 51.8 |
| 90°-120° | 906.6 | 10.5 |
| 90°-150° | 3094.2 | 35.7 |
| 90°-180° | 4177.0 | 48.2 |
| 0°-180° | 8663.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1723 | 1723 | 1723 | 1723 | 1723 | |
| 5° | 1720 | 1717 | 1704 | 1716 | 1715 | 163 |
| 15° | 1640 | 1635 | 1621 | 1627 | 1628 | 462 |
| 25° | 1489 | 1481 | 1464 | 1466 | 1463 | 685 |
| 35° | 1286 | 1279 | 1261 | 1254 | 1243 | 804 |
| 45° | 1052 | 1046 | 1031 | 1015 | 1010 | 811 |
| 55° | 802 | 797 | 778 | 766 | 757 | 715 |
| 65° | 541 | 538 | 524 | 512 | 506 | 537 |
| 75° | 288 | 285 | 278 | 274 | 268 | 307 |
| 85° | 75 | 76 | 76 | 75 | 72 | 84 |
| 90° | 1 | 9 | 16 | 21 | 24 | 6 |
| 95° | 58 | 52 | 16 | 21 | 21 | 73 |
| 105° | 296 | 300 | 300 | 300 | 299 | 314 |
| 115° | 557 | 561 | 563 | 559 | 553 | 552 |
| 125° | 792 | 798 | 799 | 795 | 792 | 707 |
| 135° | 987 | 993 | 991 | 989 | 983 | 761 |
| 145° | 1144 | 1146 | 1146 | 1147 | 1142 | 715 |
| 155° | 1260 | 1255 | 1256 | 1259 | 1251 | 580 |
| 165° | 1330 | 1324 | 1325 | 1330 | 1323 | 376 |
| 175° | 1360 | 1355 | 1355 | 1362 | 1354 | 129 |
| 180° | 1360 | 1360 | 1360 | 1360 | 1360 | |



TEST NUMBER: P333283-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5° | 1727.6 | 1726.9 | 1726.1 | 1725.4 | 1724.6 | 1723.0 | 1720.6 | 1718.2 | 1715.8 | 1713.3 | 1715.8 |
| 5° | 1720.5 | 1719.9 | 1719.3 | 1718.7 | 1718.1 | 1716.3 | 1713.2 | 1710.2 | 1707.2 | 1704.1 | 1706.9 |
| 7.5° | 1704.7 | 1704.0 | 1703.4 | 1702.8 | 1702.2 | 1700.2 | 1696.9 | 1693.5 | 1690.2 | 1686.9 | 1689.6 |
| 10° | 1690.5 | 1689.9 | 1689.3 | 1688.7 | 1688.1 | 1686.1 | 1682.7 | 1679.4 | 1676.1 | 1672.7 | 1675.2 |
| 12.5° | 1673.0 | 1671.9 | 1670.8 | 1669.7 | 1668.7 | 1666.6 | 1663.4 | 1660.4 | 1657.3 | 1654.2 | 1656.2 |
| 15° | 1640.0 | 1639.1 | 1638.2 | 1637.3 | 1636.4 | 1634.3 | 1630.9 | 1627.6 | 1624.3 | 1620.9 | 1622.4 |
| 17.5° | 1602.2 | 1600.8 | 1599.4 | 1598.1 | 1596.8 | 1594.4 | 1590.9 | 1587.5 | 1584.1 | 1580.5 | 1582.5 |
| 20° | 1570.5 | 1569.9 | 1569.3 | 1568.7 | 1568.1 | 1565.8 | 1561.9 | 1557.9 | 1554.0 | 1550.0 | 1552.2 |
| 22.5° | 1538.8 | 1537.8 | 1536.7 | 1535.6 | 1534.5 | 1532.1 | 1528.4 | 1524.7 | 1521.1 | 1517.3 | 1518.7 |
| 25° | 1488.7 | 1487.2 | 1485.7 | 1484.2 | 1482.7 | 1480.0 | 1476.0 | 1472.1 | 1468.1 | 1464.2 | 1464.8 |
| 27.5° | 1430.1 | 1429.2 | 1428.3 | 1427.3 | 1426.4 | 1424.0 | 1419.9 | 1415.8 | 1411.8 | 1407.8 | 1407.9 |
| 30° | 1391.9 | 1391.0 | 1390.1 | 1389.2 | 1388.3 | 1385.5 | 1381.0 | 1376.4 | 1371.9 | 1367.4 | 1366.8 |
| 32.5° | 1350.5 | 1349.1 | 1347.7 | 1346.3 | 1344.9 | 1342.2 | 1338.1 | 1334.0 | 1330.0 | 1326.0 | 1324.8 |
| 35° | 1285.6 | 1284.3 | 1283.1 | 1281.9 | 1280.7 | 1278.0 | 1273.7 | 1269.5 | 1265.3 | 1261.0 | 1259.5 |
| 37.5° | 1218.2 | 1216.7 | 1215.2 | 1213.7 | 1212.1 | 1209.4 | 1205.4 | 1201.4 | 1197.4 | 1193.5 | 1191.1 |
| 40° | 1172.5 | 1170.9 | 1169.4 | 1167.9 | 1166.4 | 1163.5 | 1159.2 | 1155.0 | 1150.7 | 1146.5 | 1143.8 |
| 42.5° | 1123.4 | 1122.1 | 1120.8 | 1119.5 | 1118.2 | 1115.5 | 1111.3 | 1107.0 | 1102.8 | 1098.5 | 1096.0 |
| 45° | 1052.5 | 1051.3 | 1050.1 | 1048.8 | 1047.6 | 1045.2 | 1041.6 | 1037.9 | 1034.3 | 1030.7 | 1027.0 |
| 47.5° | 976.1 | 976.1 | 976.2 | 976.3 | 976.3 | 974.2 | 969.9 | 965.4 | 961.1 | 956.7 | 953.0 |
| 50° | 927.1 | 926.1 | 925.2 | 924.3 | 923.4 | 921.1 | 917.5 | 913.8 | 910.2 | 906.6 | 902.6 |
| 52.5° | 876.9 | 876.2 | 875.6 | 874.8 | 874.2 | 871.9 | 868.1 | 864.1 | 860.3 | 856.4 | 852.9 |
| 55° | 801.6 | 800.7 | 799.8 | 798.9 | 798.0 | 795.4 | 791.1 | 786.9 | 782.6 | 778.4 | 775.7 |
| 57.5° | 722.3 | 721.8 | 721.3 | 720.8 | 720.3 | 718.3 | 714.7 | 711.1 | 707.6 | 704.0 | 700.4 |
| 60° | 672.1 | 670.9 | 669.6 | 668.4 | 667.2 | 665.0 | 661.7 | 658.3 | 655.0 | 651.7 | 648.6 |
| 62.5° | 619.8 | 618.7 | 617.8 | 616.8 | 615.9 | 614.0 | 611.1 | 608.2 | 605.4 | 602.6 | 599.3 |
| 65° | 541.2 | 540.6 | 540.0 | 539.4 | 538.8 | 536.8 | 533.5 | 530.2 | 526.8 | 523.5 | 520.8 |
| 67.5° | 465.1 | 463.8 | 462.6 | 461.3 | 460.1 | 458.2 | 455.7 | 453.2 | 450.7 | 448.3 | 446.0 |
| 70° | 417.2 | 415.7 | 414.1 | 412.6 | 411.1 | 409.0 | 406.3 | 403.5 | 400.8 | 398.1 | 396.3 |
| 72.5° | 364.9 | 363.8 | 362.7 | 361.7 | 360.7 | 359.3 | 357.6 | 355.8 | 354.1 | 352.2 | 350.2 |
| 75° | 287.6 | 287.0 | 286.4 | 285.8 | 285.2 | 284.2 | 282.7 | 281.1 | 279.6 | 278.1 | 277.2 |
| 77.5° | 216.5 | 216.2 | 216.0 | 215.8 | 215.5 | 215.0 | 214.1 | 213.3 | 212.5 | 211.6 | 211.1 |
| 80° | 171.8 | 171.8 | 171.8 | 171.8 | 171.8 | 171.5 | 170.9 | 170.3 | 169.7 | 169.1 | 168.7 |
| 82.5° | 132.5 | 132.0 | 131.6 | 131.1 | 130.6 | 130.3 | 130.2 | 130.1 | 129.9 | 129.8 | 129.3 |
| 85° | 74.9 | 75.2 | 75.5 | 75.8 | 76.1 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.0 |
| 87.5° | 29.7 | 30.0 | 30.4 | 30.7 | 31.1 | 31.3 | 31.4 | 31.4 | 31.5 | 31.6 | 31.8 |
| 90° | 1.0 | 2.8 | 4.5 | 6.4 | 8.2 | 9.9 | 11.4 | 13.0 | 14.5 | 16.2 | 17.3 |
| 92.5° | 15.6 | 14.2 | 13.0 | 11.7 | 10.5 | 10.6 | 11.9 | 13.3 | 14.7 | 16.2 | 17.3 |
| 95° | 57.5 | 56.8 | 56.1 | 55.4 | 54.8 | 50.2 | 41.7 | 33.1 | 24.6 | 16.2 | 17.3 |
| 97.5° | 120.0 | 121.2 | 122.4 | 123.6 | 124.8 | 117.0 | 100.2 | 83.3 | 66.4 | 49.6 | 43.3 |
| 100° | 168.3 | 169.1 | 169.8 | 170.4 | 171.1 | 171.9 | 172.8 | 173.7 | 174.5 | 175.4 | 142.1 |
| 102.5° | 217.6 | 218.4 | 219.3 | 220.2 | 221.0 | 221.7 | 222.3 | 222.8 | 223.3 | 223.9 | 217.5 |
| 105° | 296.4 | 297.3 | 298.2 | 299.1 | 300.0 | 300.4 | 300.4 | 300.4 | 300.4 | 300.4 | 300.4 |
| 107.5° | 378.3 | 378.3 | 378.3 | 378.3 | 378.3 | 378.5 | 379.0 | 379.4 | 379.9 | 380.3 | 380.4 |
| 110° | 431.5 | 431.5 | 431.5 | 431.5 | 431.5 | 431.8 | 432.2 | 432.7 | 433.1 | 433.5 | 432.9 |



TEST NUMBER: P333283-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 481.6 | 482.1 | 482.6 | 483.2 | 483.7 | 484.1 | 484.4 | 484.6 | 484.9 | 485.2 | 484.3 |
| 115° | 556.6 | 557.7 | 558.9 | 560.0 | 561.1 | 561.8 | 562.0 | 562.2 | 562.4 | 562.6 | 561.8 |
| 117.5° | 634.2 | 634.2 | 634.1 | 634.1 | 634.1 | 634.5 | 635.3 | 636.1 | 637.0 | 637.8 | 636.7 |
| 120° | 682.7 | 682.4 | 682.2 | 682.0 | 681.8 | 682.0 | 682.7 | 683.3 | 684.0 | 684.7 | 684.2 |
| 122.5° | 725.4 | 726.2 | 727.1 | 727.9 | 728.8 | 729.3 | 729.7 | 730.0 | 730.3 | 730.6 | 730.1 |
| 125° | 791.5 | 793.0 | 794.7 | 796.3 | 797.8 | 798.6 | 798.6 | 798.6 | 798.6 | 798.6 | 797.7 |
| 127.5° | 854.6 | 855.8 | 856.9 | 858.0 | 859.1 | 859.6 | 859.5 | 859.4 | 859.2 | 859.1 | 858.6 |
| 130° | 893.3 | 894.5 | 895.6 | 896.8 | 897.9 | 898.5 | 898.8 | 899.0 | 899.2 | 899.4 | 898.8 |
| 132.5° | 932.1 | 933.4 | 934.7 | 935.9 | 937.3 | 937.7 | 937.2 | 936.8 | 936.2 | 935.7 | 935.5 |
| 135° | 987.1 | 988.5 | 989.9 | 991.2 | 992.5 | 993.0 | 992.5 | 992.1 | 991.6 | 991.2 | 990.7 |
| 137.5° | 1037.7 | 1038.9 | 1040.1 | 1041.3 | 1042.4 | 1042.8 | 1042.4 | 1042.0 | 1041.6 | 1041.2 | 1041.3 |
| 140° | 1070.9 | 1071.3 | 1071.8 | 1072.2 | 1072.6 | 1072.8 | 1072.5 | 1072.3 | 1072.1 | 1071.9 | 1072.3 |
| 142.5° | 1100.7 | 1101.0 | 1101.3 | 1101.5 | 1101.8 | 1102.1 | 1102.4 | 1102.7 | 1103.0 | 1103.3 | 1103.4 |
| 145° | 1144.5 | 1144.9 | 1145.3 | 1145.8 | 1146.2 | 1146.5 | 1146.5 | 1146.5 | 1146.5 | 1146.5 | 1146.7 |
| 147.5° | 1182.8 | 1182.7 | 1182.6 | 1182.5 | 1182.3 | 1182.5 | 1182.8 | 1183.1 | 1183.3 | 1183.6 | 1183.9 |
| 150° | 1207.0 | 1206.5 | 1206.1 | 1205.6 | 1205.2 | 1205.2 | 1205.6 | 1206.1 | 1206.5 | 1207.0 | 1207.4 |
| 152.5° | 1230.3 | 1229.4 | 1228.4 | 1227.4 | 1226.4 | 1226.2 | 1226.6 | 1227.0 | 1227.5 | 1227.9 | 1228.4 |
| 155° | 1260.4 | 1259.1 | 1257.7 | 1256.4 | 1255.1 | 1254.6 | 1255.1 | 1255.5 | 1255.9 | 1256.4 | 1257.1 |
| 157.5° | 1283.5 | 1282.7 | 1282.0 | 1281.2 | 1280.4 | 1280.0 | 1280.0 | 1280.1 | 1280.1 | 1280.2 | 1280.9 |
| 160° | 1299.7 | 1298.4 | 1297.1 | 1295.7 | 1294.3 | 1293.7 | 1294.0 | 1294.2 | 1294.4 | 1294.6 | 1295.6 |
| 162.5° | 1312.6 | 1311.3 | 1309.9 | 1308.6 | 1307.3 | 1306.7 | 1306.9 | 1307.2 | 1307.4 | 1307.6 | 1308.9 |
| 165° | 1330.0 | 1328.6 | 1327.3 | 1326.0 | 1324.6 | 1324.0 | 1324.2 | 1324.4 | 1324.7 | 1324.9 | 1326.3 |
| 167.5° | 1342.9 | 1341.5 | 1340.1 | 1338.7 | 1337.4 | 1336.8 | 1337.0 | 1337.2 | 1337.4 | 1337.7 | 1339.3 |
| 170° | 1350.1 | 1348.6 | 1347.0 | 1345.4 | 1343.8 | 1343.2 | 1343.4 | 1343.6 | 1343.8 | 1344.1 | 1345.8 |
| 172.5° | 1354.9 | 1353.4 | 1351.8 | 1350.3 | 1348.7 | 1348.2 | 1348.5 | 1348.9 | 1349.3 | 1349.7 | 1351.3 |
| 175° | 1360.2 | 1358.9 | 1357.6 | 1356.1 | 1354.8 | 1354.3 | 1354.5 | 1354.7 | 1354.9 | 1355.1 | 1357.0 |
| 177.5° | 1362.6 | 1361.6 | 1360.5 | 1359.4 | 1358.4 | 1357.9 | 1358.1 | 1358.3 | 1358.5 | 1358.6 | 1359.9 |
| 180° | 1360.2 | 1360.2 | 1360.2 | 1360.2 | 1360.2 | 1360.2 | 1360.2 | 1360.2 | 1360.2 | 1360.2 | 1360.2 |



TEST NUMBER: P333283-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5° | 1718.2 | 1720.6 | 1723.0 | 1724.1 | 1723.9 | 1723.6 | 1723.4 | 1723.2 |
| 5° | 1709.6 | 1712.3 | 1715.1 | 1716.3 | 1716.0 | 1715.7 | 1715.4 | 1715.1 |
| 7.5° | 1692.2 | 1695.0 | 1697.6 | 1698.8 | 1698.5 | 1698.2 | 1697.9 | 1697.6 |
| 10° | 1677.6 | 1680.0 | 1682.4 | 1683.5 | 1683.2 | 1682.9 | 1682.6 | 1682.3 |
| 12.5° | 1658.1 | 1660.0 | 1661.9 | 1662.9 | 1662.8 | 1662.7 | 1662.7 | 1662.6 |
| 15° | 1624.0 | 1625.5 | 1627.0 | 1627.8 | 1627.8 | 1627.8 | 1627.8 | 1627.8 |
| 17.5° | 1584.4 | 1586.2 | 1588.1 | 1588.3 | 1586.8 | 1585.3 | 1583.8 | 1582.3 |
| 20° | 1554.3 | 1556.4 | 1558.5 | 1558.8 | 1557.3 | 1555.8 | 1554.3 | 1552.8 |
| 22.5° | 1520.1 | 1521.6 | 1522.9 | 1523.1 | 1522.1 | 1521.1 | 1520.0 | 1518.9 |
| 25° | 1465.4 | 1466.0 | 1466.6 | 1466.4 | 1465.5 | 1464.6 | 1463.7 | 1462.8 |
| 27.5° | 1408.0 | 1408.1 | 1408.3 | 1407.9 | 1406.9 | 1406.0 | 1405.1 | 1404.2 |
| 30° | 1366.1 | 1365.5 | 1364.9 | 1364.2 | 1363.3 | 1362.4 | 1361.5 | 1360.6 |
| 32.5° | 1323.7 | 1322.6 | 1321.6 | 1320.2 | 1318.6 | 1317.0 | 1315.2 | 1313.6 |
| 35° | 1258.0 | 1256.5 | 1255.0 | 1253.0 | 1250.6 | 1248.2 | 1245.8 | 1243.3 |
| 37.5° | 1188.9 | 1186.7 | 1184.5 | 1182.7 | 1181.2 | 1179.8 | 1178.4 | 1177.1 |
| 40° | 1141.0 | 1138.3 | 1135.6 | 1133.8 | 1132.9 | 1132.0 | 1131.0 | 1130.1 |
| 42.5° | 1093.6 | 1091.1 | 1088.6 | 1086.6 | 1085.3 | 1083.9 | 1082.5 | 1081.1 |
| 45° | 1023.4 | 1019.8 | 1016.1 | 1013.8 | 1012.9 | 1012.0 | 1011.1 | 1010.2 |
| 47.5° | 949.4 | 945.6 | 942.0 | 939.1 | 937.0 | 934.8 | 932.7 | 930.6 |
| 50° | 898.7 | 894.7 | 890.8 | 887.8 | 885.7 | 883.5 | 881.4 | 879.3 |
| 52.5° | 849.5 | 846.1 | 842.6 | 839.7 | 837.3 | 835.0 | 832.6 | 830.2 |
| 55° | 773.0 | 770.2 | 767.5 | 765.1 | 763.0 | 760.8 | 758.7 | 756.6 |
| 57.5° | 697.0 | 693.5 | 689.9 | 687.6 | 686.5 | 685.3 | 684.2 | 683.0 |
| 60° | 645.6 | 642.6 | 639.5 | 636.9 | 634.8 | 632.7 | 630.6 | 628.4 |
| 62.5° | 596.0 | 592.8 | 589.5 | 587.0 | 585.4 | 583.8 | 582.1 | 580.5 |
| 65° | 518.1 | 515.3 | 512.6 | 510.6 | 509.4 | 508.2 | 507.0 | 505.7 |
| 67.5° | 443.6 | 441.3 | 439.0 | 437.5 | 436.8 | 436.1 | 435.4 | 434.6 |
| 70° | 394.5 | 392.6 | 390.8 | 389.3 | 388.1 | 386.9 | 385.7 | 384.5 |
| 72.5° | 348.2 | 346.1 | 344.1 | 342.4 | 341.2 | 340.0 | 338.8 | 337.6 |
| 75° | 276.3 | 275.4 | 274.5 | 273.4 | 272.2 | 270.9 | 269.7 | 268.5 |
| 77.5° | 210.5 | 210.0 | 209.4 | 208.7 | 207.8 | 207.0 | 206.1 | 205.3 |
| 80° | 168.4 | 168.1 | 167.8 | 167.3 | 166.7 | 166.1 | 165.5 | 164.9 |
| 82.5° | 128.7 | 128.2 | 127.6 | 127.2 | 127.1 | 127.0 | 126.9 | 126.7 |
| 85° | 75.7 | 75.4 | 75.1 | 74.6 | 74.0 | 73.4 | 72.8 | 72.2 |
| 87.5° | 32.0 | 32.2 | 32.5 | 32.4 | 32.1 | 31.7 | 31.4 | 31.0 |
| 90° | 18.4 | 19.5 | 20.6 | 21.5 | 22.2 | 22.8 | 23.5 | 24.2 |
| 92.5° | 18.4 | 19.5 | 20.6 | 21.3 | 21.6 | 21.9 | 22.3 | 22.6 |
| 95° | 18.4 | 19.5 | 20.6 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 97.5° | 37.0 | 30.7 | 24.3 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 100° | 108.7 | 75.3 | 41.9 | 24.7 | 23.8 | 22.9 | 22.1 | 21.2 |
| 102.5° | 211.2 | 204.9 | 198.5 | 187.8 | 172.6 | 157.3 | 142.1 | 126.8 |
| 105° | 300.4 | 300.4 | 300.4 | 300.3 | 300.1 | 299.9 | 299.7 | 299.4 |
| 107.5° | 380.4 | 380.5 | 380.5 | 380.2 | 379.5 | 378.9 | 378.2 | 377.5 |
| 110° | 432.2 | 431.5 | 430.9 | 430.7 | 430.9 | 431.1 | 431.3 | 431.5 |



TEST NUMBER: P333283-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 483.5 | 482.6 | 481.8 | 481.2 | 480.9 | 480.6 | 480.3 | 480.0 |
| 115° | 560.9 | 560.0 | 559.1 | 558.0 | 556.6 | 555.2 | 553.9 | 552.6 |
| 117.5° | 635.5 | 634.4 | 633.2 | 632.3 | 631.8 | 631.2 | 630.6 | 630.0 |
| 120° | 683.8 | 683.3 | 682.9 | 682.1 | 681.0 | 679.8 | 678.7 | 677.6 |
| 122.5° | 729.7 | 729.3 | 728.8 | 727.9 | 726.7 | 725.4 | 724.1 | 722.8 |
| 125° | 796.8 | 795.9 | 795.0 | 794.3 | 793.6 | 792.8 | 792.2 | 791.5 |
| 127.5° | 858.1 | 857.6 | 857.1 | 856.1 | 854.3 | 852.7 | 851.1 | 849.4 |
| 130° | 898.1 | 897.4 | 896.8 | 895.9 | 894.7 | 893.6 | 892.5 | 891.3 |
| 132.5° | 935.4 | 935.3 | 935.1 | 934.5 | 933.4 | 932.3 | 931.2 | 930.1 |
| 135° | 990.3 | 989.9 | 989.4 | 988.5 | 987.1 | 985.8 | 984.4 | 983.1 |
| 137.5° | 1041.4 | 1041.5 | 1041.6 | 1041.0 | 1039.9 | 1038.6 | 1037.5 | 1036.3 |
| 140° | 1072.8 | 1073.2 | 1073.6 | 1073.2 | 1071.9 | 1070.5 | 1069.1 | 1067.8 |
| 142.5° | 1103.5 | 1103.6 | 1103.7 | 1103.1 | 1101.7 | 1100.3 | 1099.0 | 1097.6 |
| 145° | 1146.9 | 1147.1 | 1147.3 | 1146.8 | 1145.5 | 1144.1 | 1142.8 | 1141.5 |
| 147.5° | 1184.1 | 1184.4 | 1184.7 | 1184.0 | 1182.3 | 1180.7 | 1179.1 | 1177.5 |
| 150° | 1207.9 | 1208.3 | 1208.7 | 1208.1 | 1206.3 | 1204.5 | 1202.6 | 1200.9 |
| 152.5° | 1228.8 | 1229.3 | 1229.7 | 1229.1 | 1227.5 | 1225.9 | 1224.3 | 1222.6 |
| 155° | 1257.7 | 1258.4 | 1259.1 | 1258.5 | 1256.7 | 1254.9 | 1253.1 | 1251.3 |
| 157.5° | 1281.6 | 1282.3 | 1283.0 | 1282.5 | 1280.7 | 1278.9 | 1277.1 | 1275.4 |
| 160° | 1296.5 | 1297.4 | 1298.3 | 1297.8 | 1296.1 | 1294.2 | 1292.4 | 1290.6 |
| 162.5° | 1310.1 | 1311.3 | 1312.6 | 1312.2 | 1310.3 | 1308.3 | 1306.4 | 1304.3 |
| 165° | 1327.6 | 1329.0 | 1330.3 | 1330.1 | 1328.3 | 1326.5 | 1324.7 | 1322.9 |
| 167.5° | 1340.9 | 1342.5 | 1344.1 | 1343.9 | 1341.9 | 1339.9 | 1337.9 | 1335.8 |
| 170° | 1347.7 | 1349.5 | 1351.3 | 1351.1 | 1349.1 | 1347.2 | 1345.1 | 1343.1 |
| 172.5° | 1352.9 | 1354.5 | 1356.1 | 1355.9 | 1353.9 | 1351.9 | 1349.9 | 1348.0 |
| 175° | 1358.8 | 1360.6 | 1362.3 | 1362.2 | 1360.2 | 1358.2 | 1356.1 | 1354.1 |
| 177.5° | 1361.1 | 1362.4 | 1363.6 | 1363.5 | 1362.1 | 1360.7 | 1359.3 | 1357.8 |
| 180° | 1360.2 | 1360.2 | 1360.2 | 1360.2 | 1360.2 | 1360.2 | 1360.2 | 1360.2 |

(END OF REPORT)