

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: P333470-940

Luminaire Tested: **S125DIW-S1270D770U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333470-940
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: S125DIW-S1270D770U940-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7311.8 lumens
Efficiency: N/A
Efficacy: 122.3 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

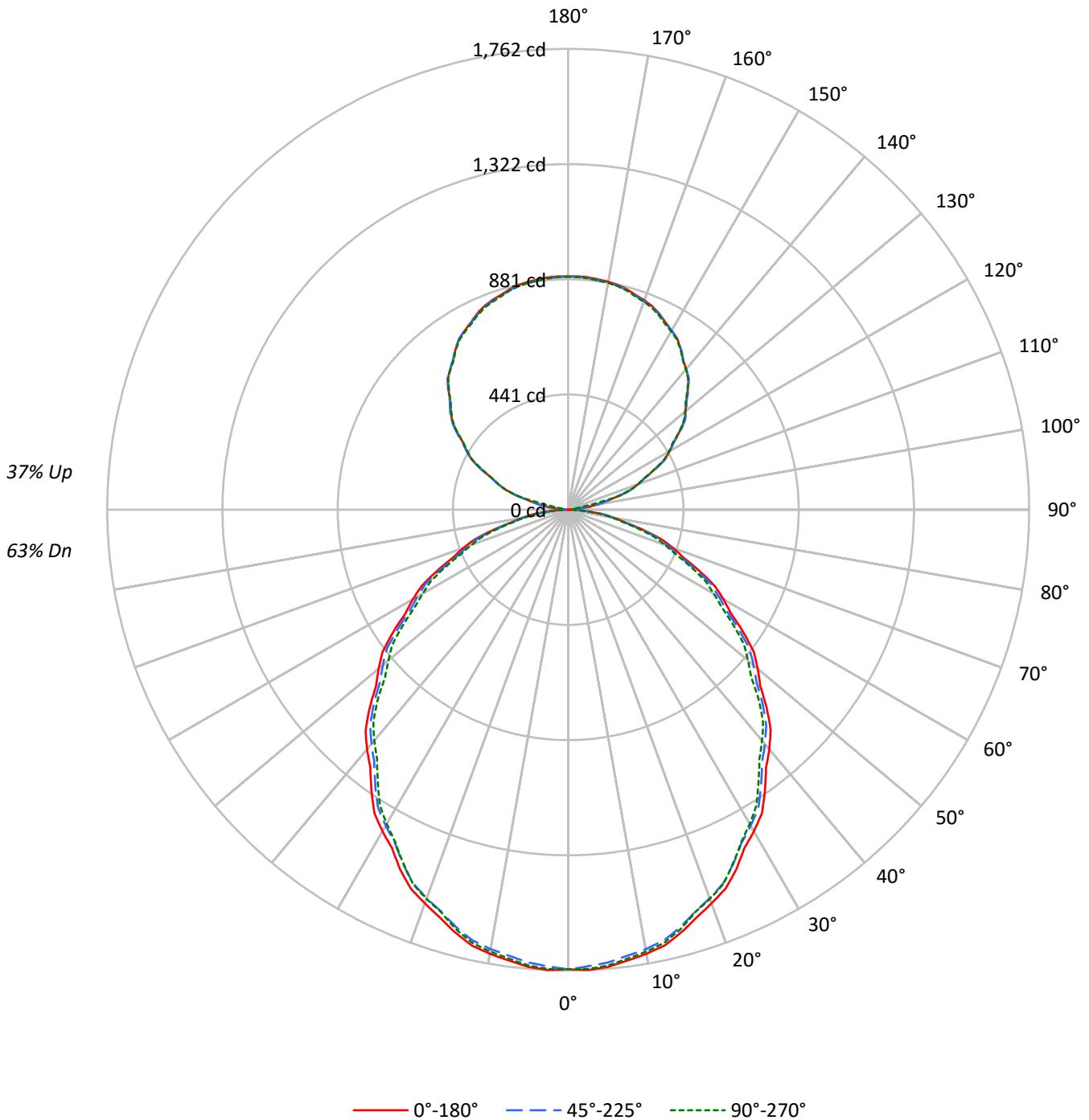
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333470-940

CATALOG NUMBER: S125DIW-S1270D770U940-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333470-940

CATALOG NUMBER: S125DIW-S1270D770U940-4F0-1E-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 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 79 | 79 | 79 | 68 | 68 | 68 | 63 |
| 1 | 101 | 96 | 92 | 88 | 94 | 90 | 87 | 84 | 79 | 77 | 74 | 69 | 67 | 65 | 60 | 58 | 57 | 53 |
| 2 | 92 | 84 | 78 | 72 | 85 | 79 | 73 | 69 | 69 | 65 | 61 | 61 | 57 | 54 | 53 | 50 | 48 | 44 |
| 3 | 83 | 74 | 66 | 60 | 78 | 69 | 63 | 57 | 61 | 56 | 52 | 54 | 49 | 46 | 46 | 43 | 41 | 37 |
| 4 | 76 | 65 | 57 | 51 | 71 | 62 | 54 | 49 | 54 | 49 | 44 | 48 | 43 | 39 | 42 | 38 | 35 | 32 |
| 5 | 70 | 58 | 50 | 44 | 66 | 55 | 47 | 42 | 49 | 43 | 38 | 43 | 38 | 34 | 37 | 34 | 31 | 28 |
| 6 | 65 | 52 | 44 | 38 | 60 | 49 | 42 | 36 | 44 | 38 | 33 | 39 | 34 | 30 | 34 | 30 | 27 | 24 |
| 7 | 60 | 47 | 39 | 33 | 56 | 45 | 37 | 32 | 40 | 34 | 29 | 35 | 30 | 27 | 31 | 27 | 24 | 22 |
| 8 | 56 | 43 | 35 | 30 | 52 | 41 | 33 | 28 | 36 | 30 | 26 | 32 | 27 | 24 | 29 | 25 | 22 | 19 |
| 9 | 52 | 39 | 32 | 26 | 49 | 37 | 30 | 25 | 33 | 28 | 23 | 30 | 25 | 21 | 26 | 22 | 19 | 17 |
| 10 | 49 | 36 | 29 | 24 | 45 | 34 | 28 | 23 | 31 | 25 | 21 | 28 | 23 | 19 | 24 | 21 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11349 | 11349 | 11349 |
| 5° | 11374 | 11267 | 11339 |
| 10° | 11305 | 11187 | 11252 |
| 15° | 11183 | 11053 | 11099 |
| 20° | 11008 | 10864 | 10883 |
| 25° | 10819 | 10641 | 10630 |
| 30° | 10586 | 10399 | 10347 |
| 35° | 10336 | 10139 | 9996 |
| 40° | 10080 | 9857 | 9716 |
| 45° | 9803 | 9600 | 9409 |
| 50° | 9499 | 9289 | 9010 |
| 55° | 9205 | 8939 | 8688 |
| 60° | 8853 | 8584 | 8280 |
| 65° | 8436 | 8159 | 7882 |
| 70° | 8033 | 7666 | 7404 |
| 75° | 7321 | 7079 | 6832 |
| 80° | 6512 | 6412 | 6259 |
| 85° | 5669 | 5765 | 5461 |



TEST NUMBER: P333470-940

CATALOG NUMBER: S125DIW-S1270D770U940-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 165.7 | 2.3 |
| 10°-20° | 468.1 | 6.4 |
| 20°-30° | 691.1 | 9.5 |
| 30°-40° | 806.4 | 11.0 |
| 40°-50° | 809.9 | 11.1 |
| 50°-60° | 710.9 | 9.7 |
| 60°-70° | 529.7 | 7.2 |
| 70°-80° | 302.9 | 4.1 |
| 80°-90° | 90.0 | 1.2 |
| 90°-100° | 32.4 | 0.4 |
| 100°-110° | 199.6 | 2.7 |
| 110°-120° | 362.0 | 5.0 |
| 120°-130° | 464.6 | 6.4 |
| 130°-140° | 499.8 | 6.8 |
| 140°-150° | 469.1 | 6.4 |
| 150°-160° | 379.5 | 5.2 |
| 160°-170° | 245.4 | 3.4 |
| 170°-180° | 84.6 | 1.2 |
| 0°-30° | 1324.8 | 18.1 |
| 0°-40° | 2131.2 | 29.1 |
| 0°-60° | 3652.1 | 49.9 |
| 0°-90° | 4574.7 | 62.6 |
| 90°-120° | 594.1 | 8.1 |
| 90°-150° | 2027.6 | 27.7 |
| 90°-180° | 2737.0 | 37.4 |
| 0°-180° | 7311.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1757 | 1757 | 1757 | 1757 | 1757 | |
| 5° | 1754 | 1751 | 1738 | 1750 | 1749 | 166 |
| 15° | 1672 | 1668 | 1653 | 1660 | 1660 | 471 |
| 25° | 1518 | 1511 | 1493 | 1496 | 1492 | 698 |
| 35° | 1311 | 1305 | 1286 | 1279 | 1268 | 820 |
| 45° | 1073 | 1067 | 1051 | 1035 | 1030 | 827 |
| 55° | 818 | 812 | 794 | 781 | 772 | 730 |
| 65° | 552 | 548 | 534 | 522 | 516 | 548 |
| 75° | 293 | 290 | 284 | 279 | 274 | 313 |
| 85° | 76 | 78 | 78 | 76 | 74 | 85 |
| 90° | 1 | 6 | 11 | 14 | 16 | 6 |
| 95° | 38 | 34 | 11 | 14 | 14 | 48 |
| 105° | 194 | 197 | 197 | 197 | 196 | 206 |
| 115° | 365 | 368 | 369 | 366 | 362 | 361 |
| 125° | 519 | 523 | 523 | 521 | 519 | 463 |
| 135° | 647 | 651 | 650 | 648 | 644 | 498 |
| 145° | 750 | 751 | 751 | 752 | 748 | 469 |
| 155° | 826 | 822 | 823 | 825 | 820 | 380 |
| 165° | 872 | 868 | 868 | 872 | 867 | 246 |
| 175° | 891 | 888 | 888 | 893 | 887 | 85 |
| 180° | 891 | 891 | 891 | 891 | 891 | |



TEST NUMBER: P333470-940

CATALOG NUMBER: S125DIW-S1270D770U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1757.3 | 1757.3 | 1757.3 | 1757.3 | 1757.3 | 1757.3 | 1757.3 | 1757.3 | 1757.3 | 1757.3 | 1757.3 |
| 2.5° | 1761.8 | 1761.0 | 1760.3 | 1759.5 | 1758.8 | 1757.2 | 1754.7 | 1752.2 | 1749.8 | 1747.3 | 1749.8 |
| 5° | 1754.5 | 1753.9 | 1753.3 | 1752.7 | 1752.0 | 1750.2 | 1747.1 | 1744.0 | 1741.0 | 1737.9 | 1740.6 |
| 7.5° | 1738.4 | 1737.8 | 1737.1 | 1736.5 | 1735.9 | 1733.9 | 1730.5 | 1727.2 | 1723.8 | 1720.4 | 1723.1 |
| 10° | 1723.9 | 1723.3 | 1722.7 | 1722.1 | 1721.4 | 1719.5 | 1716.1 | 1712.7 | 1709.2 | 1705.8 | 1708.3 |
| 12.5° | 1706.1 | 1705.0 | 1704.0 | 1702.8 | 1701.7 | 1699.6 | 1696.4 | 1693.3 | 1690.1 | 1686.9 | 1689.0 |
| 15° | 1672.5 | 1671.6 | 1670.6 | 1669.7 | 1668.8 | 1666.6 | 1663.2 | 1659.8 | 1656.4 | 1653.1 | 1654.6 |
| 17.5° | 1633.9 | 1632.5 | 1631.1 | 1629.8 | 1628.4 | 1625.9 | 1622.5 | 1618.9 | 1615.4 | 1611.9 | 1613.8 |
| 20° | 1601.6 | 1601.0 | 1600.4 | 1599.7 | 1599.1 | 1596.8 | 1592.8 | 1588.8 | 1584.7 | 1580.7 | 1582.9 |
| 22.5° | 1569.3 | 1568.3 | 1567.1 | 1566.0 | 1564.9 | 1562.5 | 1558.7 | 1555.0 | 1551.1 | 1547.4 | 1548.8 |
| 25° | 1518.2 | 1516.6 | 1515.1 | 1513.6 | 1512.0 | 1509.2 | 1505.2 | 1501.2 | 1497.2 | 1493.2 | 1493.8 |
| 27.5° | 1458.4 | 1457.5 | 1456.5 | 1455.6 | 1454.7 | 1452.2 | 1448.0 | 1443.9 | 1439.8 | 1435.6 | 1435.7 |
| 30° | 1419.5 | 1418.5 | 1417.6 | 1416.7 | 1415.8 | 1413.0 | 1408.4 | 1403.7 | 1399.1 | 1394.5 | 1393.8 |
| 32.5° | 1377.2 | 1375.8 | 1374.4 | 1373.0 | 1371.5 | 1368.8 | 1364.6 | 1360.5 | 1356.3 | 1352.2 | 1351.1 |
| 35° | 1311.0 | 1309.8 | 1308.6 | 1307.3 | 1306.1 | 1303.3 | 1299.0 | 1294.7 | 1290.3 | 1286.0 | 1284.5 |
| 37.5° | 1242.3 | 1240.8 | 1239.3 | 1237.7 | 1236.2 | 1233.3 | 1229.3 | 1225.2 | 1221.1 | 1217.1 | 1214.8 |
| 40° | 1195.6 | 1194.1 | 1192.6 | 1191.0 | 1189.5 | 1186.5 | 1182.2 | 1177.9 | 1173.6 | 1169.2 | 1166.4 |
| 42.5° | 1145.6 | 1144.3 | 1143.0 | 1141.7 | 1140.4 | 1137.6 | 1133.3 | 1128.9 | 1124.6 | 1120.3 | 1117.8 |
| 45° | 1073.3 | 1072.1 | 1070.9 | 1069.6 | 1068.4 | 1065.9 | 1062.2 | 1058.5 | 1054.8 | 1051.1 | 1047.3 |
| 47.5° | 995.4 | 995.5 | 995.6 | 995.6 | 995.7 | 993.5 | 989.1 | 984.6 | 980.2 | 975.7 | 972.0 |
| 50° | 945.4 | 944.5 | 943.5 | 942.6 | 941.6 | 939.3 | 935.7 | 931.9 | 928.3 | 924.5 | 920.5 |
| 52.5° | 894.2 | 893.6 | 892.9 | 892.2 | 891.5 | 889.2 | 885.2 | 881.3 | 877.4 | 873.3 | 869.9 |
| 55° | 817.5 | 816.5 | 815.6 | 814.7 | 813.8 | 811.2 | 806.8 | 802.5 | 798.2 | 793.9 | 791.0 |
| 57.5° | 736.6 | 736.1 | 735.6 | 735.1 | 734.6 | 732.5 | 728.9 | 725.2 | 721.6 | 717.9 | 714.3 |
| 60° | 685.4 | 684.2 | 683.0 | 681.7 | 680.5 | 678.1 | 674.8 | 671.4 | 668.0 | 664.6 | 661.5 |
| 62.5° | 632.0 | 631.1 | 630.1 | 629.0 | 628.0 | 626.2 | 623.2 | 620.3 | 617.4 | 614.5 | 611.2 |
| 65° | 552.0 | 551.3 | 550.7 | 550.1 | 549.5 | 547.4 | 544.0 | 540.6 | 537.3 | 533.9 | 531.1 |
| 67.5° | 474.4 | 473.1 | 471.8 | 470.5 | 469.2 | 467.3 | 464.8 | 462.2 | 459.7 | 457.1 | 454.8 |
| 70° | 425.4 | 423.9 | 422.3 | 420.8 | 419.3 | 417.1 | 414.3 | 411.5 | 408.8 | 406.0 | 404.1 |
| 72.5° | 372.0 | 371.0 | 370.0 | 368.9 | 367.8 | 366.4 | 364.6 | 362.8 | 361.1 | 359.3 | 357.1 |
| 75° | 293.4 | 292.7 | 292.1 | 291.5 | 290.9 | 289.8 | 288.3 | 286.7 | 285.2 | 283.7 | 282.7 |
| 77.5° | 220.8 | 220.5 | 220.3 | 220.1 | 219.8 | 219.3 | 218.4 | 217.5 | 216.6 | 215.8 | 215.3 |
| 80° | 175.1 | 175.1 | 175.1 | 175.1 | 175.1 | 174.9 | 174.2 | 173.6 | 173.0 | 172.4 | 172.1 |
| 82.5° | 135.1 | 134.6 | 134.1 | 133.7 | 133.1 | 132.9 | 132.7 | 132.6 | 132.5 | 132.3 | 131.8 |
| 85° | 76.5 | 76.8 | 77.0 | 77.4 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.6 |
| 87.5° | 30.1 | 30.4 | 30.7 | 30.9 | 31.1 | 31.2 | 31.1 | 31.1 | 31.0 | 31.0 | 31.2 |
| 90° | 0.6 | 1.9 | 3.0 | 4.2 | 5.4 | 6.4 | 7.5 | 8.6 | 9.5 | 10.6 | 11.3 |
| 92.5° | 10.2 | 9.4 | 8.6 | 7.7 | 6.9 | 7.0 | 7.8 | 8.7 | 9.6 | 10.6 | 11.3 |
| 95° | 37.6 | 37.2 | 36.7 | 36.4 | 35.9 | 32.9 | 27.3 | 21.8 | 16.1 | 10.6 | 11.3 |
| 97.5° | 78.6 | 79.5 | 80.3 | 81.0 | 81.8 | 76.7 | 65.6 | 54.6 | 43.5 | 32.5 | 28.4 |
| 100° | 110.3 | 110.8 | 111.2 | 111.6 | 112.1 | 112.6 | 113.2 | 113.8 | 114.4 | 114.9 | 93.1 |
| 102.5° | 142.6 | 143.1 | 143.7 | 144.3 | 144.8 | 145.3 | 145.6 | 146.0 | 146.3 | 146.7 | 142.6 |
| 105° | 194.2 | 194.8 | 195.5 | 196.0 | 196.6 | 196.9 | 196.9 | 196.9 | 196.9 | 196.9 | 196.9 |
| 107.5° | 247.9 | 247.9 | 247.9 | 247.9 | 247.9 | 248.1 | 248.3 | 248.6 | 249.0 | 249.2 | 249.2 |
| 110° | 282.8 | 282.8 | 282.8 | 282.8 | 282.8 | 282.9 | 283.2 | 283.6 | 283.8 | 284.1 | 283.7 |



TEST NUMBER: P333470-940

CATALOG NUMBER: S125DIW-S1270D770U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 315.6 | 315.9 | 316.3 | 316.6 | 317.0 | 317.3 | 317.4 | 317.6 | 317.8 | 318.0 | 317.4 |
| 115° | 364.7 | 365.4 | 366.2 | 366.9 | 367.7 | 368.1 | 368.3 | 368.4 | 368.5 | 368.7 | 368.1 |
| 117.5° | 415.6 | 415.5 | 415.5 | 415.5 | 415.4 | 415.7 | 416.3 | 416.9 | 417.4 | 417.9 | 417.2 |
| 120° | 447.3 | 447.2 | 447.0 | 446.8 | 446.7 | 446.8 | 447.3 | 447.7 | 448.2 | 448.6 | 448.4 |
| 122.5° | 475.3 | 475.9 | 476.4 | 477.0 | 477.6 | 478.0 | 478.1 | 478.3 | 478.6 | 478.8 | 478.5 |
| 125° | 518.7 | 519.7 | 520.8 | 521.7 | 522.8 | 523.3 | 523.3 | 523.3 | 523.3 | 523.3 | 522.7 |
| 127.5° | 560.0 | 560.8 | 561.5 | 562.2 | 562.9 | 563.3 | 563.2 | 563.1 | 563.0 | 562.9 | 562.6 |
| 130° | 585.4 | 586.1 | 586.8 | 587.6 | 588.4 | 588.8 | 588.9 | 589.1 | 589.2 | 589.3 | 588.9 |
| 132.5° | 610.7 | 611.6 | 612.5 | 613.3 | 614.2 | 614.5 | 614.1 | 613.8 | 613.5 | 613.1 | 613.1 |
| 135° | 646.8 | 647.7 | 648.6 | 649.5 | 650.4 | 650.7 | 650.4 | 650.1 | 649.8 | 649.5 | 649.2 |
| 137.5° | 680.0 | 680.8 | 681.5 | 682.3 | 683.1 | 683.3 | 683.1 | 682.8 | 682.5 | 682.2 | 682.3 |
| 140° | 701.7 | 702.0 | 702.3 | 702.6 | 702.8 | 702.9 | 702.8 | 702.7 | 702.5 | 702.3 | 702.7 |
| 142.5° | 721.2 | 721.4 | 721.6 | 721.8 | 721.9 | 722.1 | 722.4 | 722.6 | 722.7 | 723.0 | 723.0 |
| 145° | 749.9 | 750.2 | 750.6 | 750.8 | 751.1 | 751.3 | 751.3 | 751.3 | 751.3 | 751.3 | 751.4 |
| 147.5° | 775.1 | 775.0 | 774.9 | 774.9 | 774.8 | 774.9 | 775.1 | 775.2 | 775.3 | 775.5 | 775.7 |
| 150° | 790.9 | 790.6 | 790.3 | 790.0 | 789.7 | 789.7 | 790.0 | 790.3 | 790.6 | 790.9 | 791.2 |
| 152.5° | 806.2 | 805.6 | 804.9 | 804.3 | 803.6 | 803.4 | 803.8 | 804.1 | 804.3 | 804.6 | 804.9 |
| 155° | 825.9 | 825.0 | 824.1 | 823.2 | 822.4 | 822.1 | 822.4 | 822.7 | 823.0 | 823.2 | 823.7 |
| 157.5° | 841.1 | 840.6 | 840.1 | 839.5 | 839.0 | 838.7 | 838.7 | 838.8 | 838.8 | 838.8 | 839.4 |
| 160° | 851.7 | 850.8 | 849.9 | 849.0 | 848.2 | 847.7 | 847.9 | 848.1 | 848.2 | 848.4 | 849.0 |
| 162.5° | 860.1 | 859.3 | 858.4 | 857.5 | 856.6 | 856.2 | 856.4 | 856.6 | 856.7 | 856.8 | 857.6 |
| 165° | 871.5 | 870.6 | 869.8 | 868.9 | 868.0 | 867.6 | 867.7 | 867.9 | 868.1 | 868.2 | 869.1 |
| 167.5° | 879.9 | 879.0 | 878.2 | 877.3 | 876.3 | 875.9 | 876.1 | 876.2 | 876.4 | 876.6 | 877.5 |
| 170° | 884.8 | 883.7 | 882.6 | 881.6 | 880.6 | 880.1 | 880.3 | 880.5 | 880.6 | 880.7 | 881.9 |
| 172.5° | 887.9 | 886.9 | 885.8 | 884.8 | 883.8 | 883.4 | 883.7 | 884.0 | 884.2 | 884.5 | 885.5 |
| 175° | 891.4 | 890.5 | 889.6 | 888.7 | 887.8 | 887.4 | 887.6 | 887.7 | 887.9 | 888.1 | 889.2 |
| 177.5° | 892.9 | 892.2 | 891.5 | 890.8 | 890.1 | 889.7 | 889.9 | 890.0 | 890.1 | 890.3 | 891.1 |
| 180° | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 |



TEST NUMBER: P333470-940

CATALOG NUMBER: S125DIW-S1270D770U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1757.3 | 1757.3 | 1757.3 | 1757.3 | 1757.3 | 1757.3 | 1757.3 | 1757.3 |
| 2.5° | 1752.2 | 1754.7 | 1757.2 | 1758.3 | 1758.1 | 1757.8 | 1757.6 | 1757.3 |
| 5° | 1743.4 | 1746.2 | 1749.0 | 1750.2 | 1749.9 | 1749.6 | 1749.3 | 1749.0 |
| 7.5° | 1725.7 | 1728.5 | 1731.2 | 1732.4 | 1732.1 | 1731.8 | 1731.5 | 1731.2 |
| 10° | 1710.8 | 1713.3 | 1715.7 | 1716.8 | 1716.5 | 1716.2 | 1715.9 | 1715.7 |
| 12.5° | 1691.0 | 1692.9 | 1694.9 | 1695.9 | 1695.8 | 1695.7 | 1695.7 | 1695.6 |
| 15° | 1656.2 | 1657.7 | 1659.2 | 1660.0 | 1660.0 | 1660.0 | 1660.0 | 1660.0 |
| 17.5° | 1615.7 | 1617.7 | 1619.5 | 1619.7 | 1618.2 | 1616.7 | 1615.1 | 1613.6 |
| 20° | 1585.1 | 1587.2 | 1589.4 | 1589.7 | 1588.1 | 1586.6 | 1585.1 | 1583.5 |
| 22.5° | 1550.2 | 1551.7 | 1553.1 | 1553.3 | 1552.2 | 1551.1 | 1550.1 | 1549.1 |
| 25° | 1494.4 | 1495.0 | 1495.7 | 1495.5 | 1494.6 | 1493.6 | 1492.7 | 1491.7 |
| 27.5° | 1435.8 | 1436.0 | 1436.1 | 1435.7 | 1434.8 | 1433.9 | 1432.9 | 1432.0 |
| 30° | 1393.2 | 1392.6 | 1392.0 | 1391.2 | 1390.3 | 1389.4 | 1388.4 | 1387.5 |
| 32.5° | 1350.0 | 1348.9 | 1347.7 | 1346.3 | 1344.7 | 1343.0 | 1341.3 | 1339.7 |
| 35° | 1282.9 | 1281.4 | 1279.9 | 1277.8 | 1275.3 | 1272.9 | 1270.4 | 1267.9 |
| 37.5° | 1212.5 | 1210.2 | 1207.9 | 1206.0 | 1204.6 | 1203.2 | 1201.8 | 1200.3 |
| 40° | 1163.7 | 1160.9 | 1158.1 | 1156.3 | 1155.3 | 1154.4 | 1153.4 | 1152.5 |
| 42.5° | 1115.3 | 1112.7 | 1110.2 | 1108.2 | 1106.8 | 1105.4 | 1103.9 | 1102.5 |
| 45° | 1043.7 | 1039.9 | 1036.3 | 1033.9 | 1033.0 | 1032.1 | 1031.1 | 1030.2 |
| 47.5° | 968.1 | 964.4 | 960.6 | 957.7 | 955.5 | 953.3 | 951.2 | 949.0 |
| 50° | 916.5 | 912.5 | 908.5 | 905.4 | 903.2 | 901.1 | 898.9 | 896.7 |
| 52.5° | 866.3 | 862.8 | 859.3 | 856.3 | 853.9 | 851.5 | 849.1 | 846.7 |
| 55° | 788.3 | 785.5 | 782.7 | 780.2 | 778.1 | 776.0 | 773.7 | 771.6 |
| 57.5° | 710.8 | 707.2 | 703.6 | 701.2 | 700.1 | 698.9 | 697.7 | 696.5 |
| 60° | 658.4 | 655.3 | 652.2 | 649.6 | 647.4 | 645.2 | 643.1 | 641.0 |
| 62.5° | 607.8 | 604.5 | 601.2 | 598.7 | 597.0 | 595.3 | 593.6 | 592.0 |
| 65° | 528.3 | 525.5 | 522.7 | 520.8 | 519.5 | 518.3 | 517.0 | 515.8 |
| 67.5° | 452.5 | 450.0 | 447.7 | 446.2 | 445.4 | 444.7 | 444.0 | 443.2 |
| 70° | 402.3 | 400.4 | 398.5 | 397.0 | 395.7 | 394.5 | 393.3 | 392.1 |
| 72.5° | 355.1 | 352.9 | 350.9 | 349.2 | 347.9 | 346.7 | 345.4 | 344.2 |
| 75° | 281.8 | 280.8 | 279.9 | 278.8 | 277.6 | 276.3 | 275.1 | 273.8 |
| 77.5° | 214.6 | 214.1 | 213.6 | 212.9 | 212.0 | 211.1 | 210.3 | 209.4 |
| 80° | 171.7 | 171.5 | 171.1 | 170.7 | 170.0 | 169.4 | 168.8 | 168.3 |
| 82.5° | 131.3 | 130.7 | 130.1 | 129.8 | 129.7 | 129.6 | 129.4 | 129.3 |
| 85° | 77.2 | 77.0 | 76.6 | 76.2 | 75.5 | 74.9 | 74.3 | 73.7 |
| 87.5° | 31.3 | 31.5 | 31.7 | 31.5 | 31.1 | 30.7 | 30.2 | 29.9 |
| 90° | 12.0 | 12.8 | 13.5 | 14.1 | 14.5 | 15.0 | 15.4 | 15.9 |
| 92.5° | 12.0 | 12.8 | 13.5 | 14.0 | 14.2 | 14.4 | 14.6 | 14.8 |
| 95° | 12.0 | 12.8 | 13.5 | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 |
| 97.5° | 24.3 | 20.1 | 16.0 | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 |
| 100° | 71.2 | 49.3 | 27.5 | 16.2 | 15.6 | 15.1 | 14.4 | 13.9 |
| 102.5° | 138.4 | 134.3 | 130.1 | 123.1 | 113.1 | 103.1 | 93.1 | 83.1 |
| 105° | 196.9 | 196.9 | 196.9 | 196.8 | 196.7 | 196.5 | 196.4 | 196.3 |
| 107.5° | 249.3 | 249.3 | 249.3 | 249.1 | 248.7 | 248.3 | 247.8 | 247.4 |
| 110° | 283.2 | 282.8 | 282.3 | 282.2 | 282.3 | 282.5 | 282.7 | 282.8 |



TEST NUMBER: P333470-940

CATALOG NUMBER: S125DIW-S1270D770U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 316.8 | 316.3 | 315.7 | 315.3 | 315.1 | 315.0 | 314.7 | 314.5 |
| 115° | 367.5 | 366.9 | 366.3 | 365.6 | 364.7 | 363.8 | 362.9 | 362.0 |
| 117.5° | 416.4 | 415.7 | 414.9 | 414.4 | 413.9 | 413.6 | 413.2 | 412.9 |
| 120° | 448.1 | 447.7 | 447.5 | 446.9 | 446.2 | 445.5 | 444.8 | 444.0 |
| 122.5° | 478.1 | 477.9 | 477.6 | 477.0 | 476.2 | 475.3 | 474.5 | 473.6 |
| 125° | 522.1 | 521.6 | 520.9 | 520.4 | 520.0 | 519.5 | 519.2 | 518.7 |
| 127.5° | 562.3 | 562.0 | 561.7 | 561.0 | 559.8 | 558.7 | 557.7 | 556.6 |
| 130° | 588.5 | 588.1 | 587.6 | 587.0 | 586.3 | 585.6 | 584.8 | 584.1 |
| 132.5° | 613.0 | 612.9 | 612.8 | 612.4 | 611.6 | 610.9 | 610.2 | 609.5 |
| 135° | 648.9 | 648.6 | 648.4 | 647.7 | 646.8 | 646.0 | 645.1 | 644.2 |
| 137.5° | 682.4 | 682.4 | 682.5 | 682.2 | 681.4 | 680.6 | 679.8 | 679.1 |
| 140° | 702.9 | 703.2 | 703.6 | 703.2 | 702.3 | 701.5 | 700.6 | 699.7 |
| 142.5° | 723.1 | 723.2 | 723.2 | 722.8 | 721.9 | 721.0 | 720.1 | 719.3 |
| 145° | 751.5 | 751.7 | 751.8 | 751.4 | 750.6 | 749.7 | 748.9 | 748.0 |
| 147.5° | 775.9 | 776.1 | 776.2 | 775.8 | 774.8 | 773.7 | 772.7 | 771.6 |
| 150° | 791.5 | 791.8 | 792.1 | 791.7 | 790.4 | 789.3 | 788.1 | 786.9 |
| 152.5° | 805.2 | 805.5 | 805.8 | 805.4 | 804.3 | 803.3 | 802.3 | 801.2 |
| 155° | 824.1 | 824.6 | 825.0 | 824.7 | 823.5 | 822.3 | 821.2 | 819.9 |
| 157.5° | 839.8 | 840.3 | 840.7 | 840.3 | 839.2 | 838.0 | 836.9 | 835.7 |
| 160° | 849.5 | 850.2 | 850.7 | 850.4 | 849.3 | 848.1 | 846.9 | 845.7 |
| 162.5° | 858.4 | 859.3 | 860.1 | 859.9 | 858.6 | 857.3 | 856.0 | 854.7 |
| 165° | 870.0 | 870.8 | 871.7 | 871.6 | 870.4 | 869.2 | 868.1 | 866.8 |
| 167.5° | 878.6 | 879.7 | 880.7 | 880.7 | 879.3 | 878.0 | 876.6 | 875.3 |
| 170° | 883.1 | 884.3 | 885.5 | 885.4 | 884.0 | 882.7 | 881.4 | 880.1 |
| 172.5° | 886.5 | 887.6 | 888.7 | 888.5 | 887.3 | 885.9 | 884.6 | 883.2 |
| 175° | 890.4 | 891.5 | 892.7 | 892.6 | 891.4 | 890.0 | 888.7 | 887.3 |
| 177.5° | 891.9 | 892.7 | 893.6 | 893.5 | 892.5 | 891.6 | 890.6 | 889.7 |
| 180° | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 |

(END OF REPORT)