

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: P333489-940

Luminaire Tested: **S125DIW-S1270D1560U940-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333489-940
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: S125DIW-S1270D1560U940-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9398.8 lumens
Efficiency: N/A
Efficacy: 113.4 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

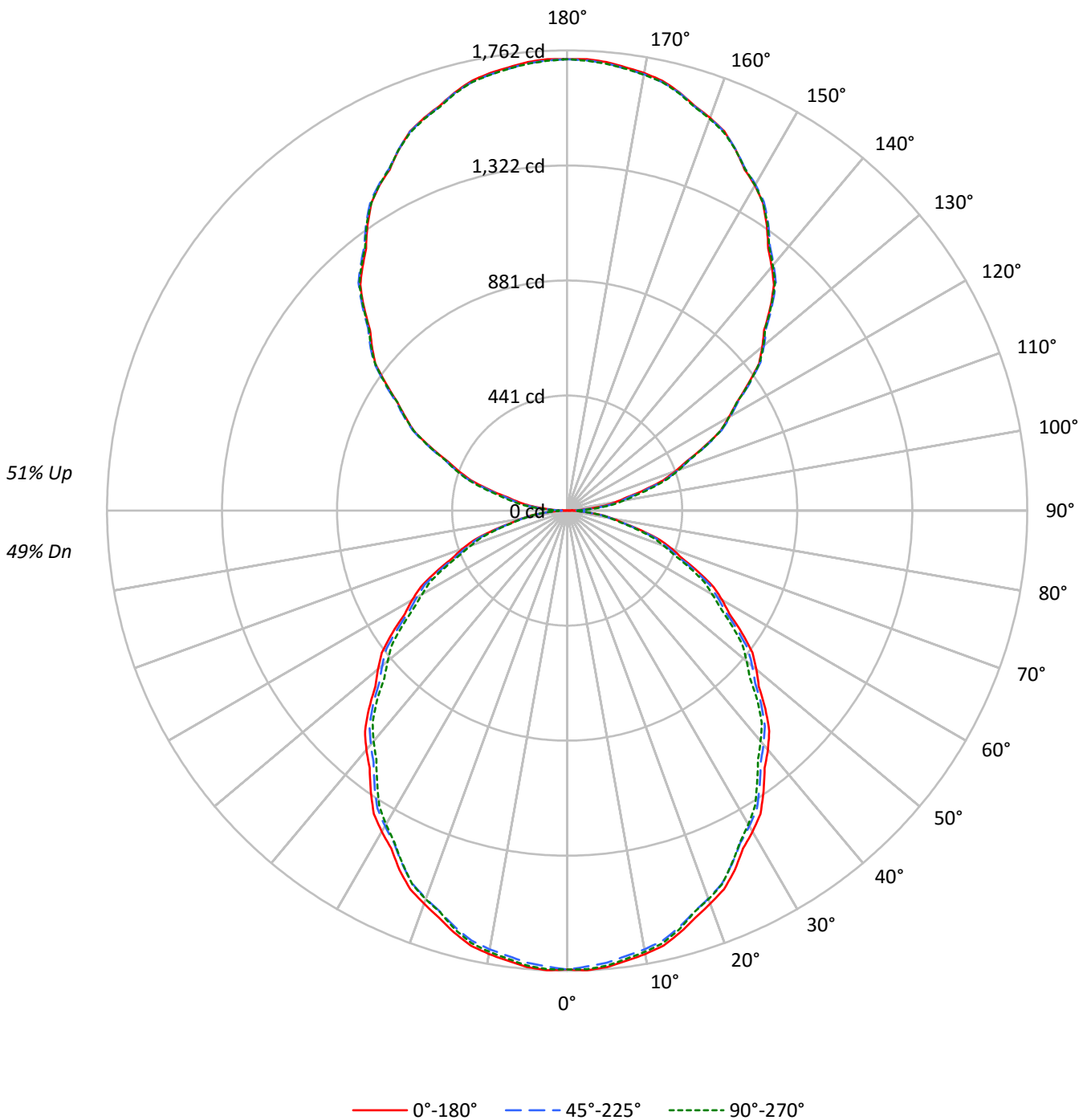
Input Watts (W): 82.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333489-940

CATALOG NUMBER: S125DIW-S1270D1560U940-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333489-940

CATALOG NUMBER: S125DIW-S1270D1560U940-4F0-1E-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 83 | 83 | 83 | 68 | 68 | 68 | 55 | 55 | 55 | 49 | | | | |
| 1 | 97 | 93 | 89 | 86 | 90 | 86 | 82 | 79 | 72 | 70 | 68 | 60 | 58 | 57 | 48 | 47 | 46 | 41 | | | | |
| 2 | 89 | 81 | 75 | 70 | 81 | 75 | 70 | 65 | 63 | 59 | 56 | 53 | 50 | 47 | 43 | 41 | 39 | 34 | | | | |
| 3 | 81 | 71 | 64 | 58 | 74 | 66 | 60 | 54 | 56 | 51 | 47 | 46 | 43 | 40 | 38 | 35 | 33 | 29 | | | | |
| 4 | 74 | 63 | 55 | 49 | 68 | 58 | 51 | 46 | 50 | 44 | 40 | 41 | 37 | 34 | 34 | 31 | 28 | 25 | | | | |
| 5 | 68 | 56 | 48 | 42 | 62 | 52 | 45 | 40 | 44 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 | 22 | | | | |
| 6 | 63 | 50 | 42 | 36 | 57 | 47 | 40 | 34 | 40 | 34 | 30 | 34 | 29 | 26 | 28 | 24 | 22 | 19 | | | | |
| 7 | 58 | 46 | 38 | 32 | 53 | 42 | 35 | 30 | 36 | 31 | 26 | 30 | 26 | 23 | 25 | 22 | 19 | 17 | | | | |
| 8 | 54 | 41 | 34 | 28 | 49 | 38 | 31 | 27 | 33 | 27 | 24 | 28 | 24 | 20 | 23 | 20 | 17 | 15 | | | | |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 26 | 21 | 18 | 21 | 18 | 16 | 14 | | | | |
| 10 | 47 | 35 | 27 | 23 | 43 | 32 | 26 | 21 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 14 | 12 | | | | |

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: P333489-940

CATALOG NUMBER: S125DIW-S1270D1560U940-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 165.7 | 1.8 |
| 10°-20° | 468.1 | 5.0 |
| 20°-30° | 691.1 | 7.4 |
| 30°-40° | 806.4 | 8.6 |
| 40°-50° | 809.9 | 8.6 |
| 50°-60° | 710.9 | 7.6 |
| 60°-70° | 529.7 | 5.6 |
| 70°-80° | 302.9 | 3.2 |
| 80°-90° | 91.9 | 1.0 |
| 90°-100° | 115.7 | 1.2 |
| 100°-110° | 341.8 | 3.6 |
| 110°-120° | 578.9 | 6.2 |
| 120°-130° | 761.9 | 8.1 |
| 130°-140° | 853.7 | 9.1 |
| 140°-150° | 836.7 | 8.9 |
| 150°-160° | 702.8 | 7.5 |
| 160°-170° | 467.2 | 5.0 |
| 170°-180° | 163.5 | 1.7 |
| 0°-30° | 1324.8 | 14.1 |
| 0°-40° | 2131.2 | 22.7 |
| 0°-60° | 3652.1 | 38.9 |
| 0°-90° | 4576.6 | 48.7 |
| 90°-120° | 1036.5 | 11.0 |
| 90°-150° | 3488.8 | 37.1 |
| 90°-180° | 4822.0 | 51.3 |
| 0°-180° | 9398.8 | 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 | 12 | 22 | 28 | 32 | 9 |
| 95° | 87 | 91 | 104 | 113 | 116 | 93 |
| 105° | 307 | 313 | 322 | 329 | 334 | 327 |
| 115° | 580 | 585 | 588 | 586 | 585 | 573 |
| 125° | 846 | 854 | 855 | 853 | 851 | 757 |
| 135° | 1100 | 1108 | 1110 | 1109 | 1104 | 848 |
| 145° | 1333 | 1338 | 1342 | 1342 | 1338 | 833 |
| 155° | 1525 | 1525 | 1526 | 1531 | 1525 | 702 |
| 165° | 1658 | 1656 | 1657 | 1661 | 1654 | 468 |
| 175° | 1724 | 1719 | 1719 | 1726 | 1717 | 164 |
| 180° | 1728 | 1728 | 1728 | 1728 | 1728 | |



TEST NUMBER: P333489-940

CATALOG NUMBER: S125DIW-S1270D1560U940-4F0-1E-UDD-F1

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° | 30.3 | 30.8 | 31.3 | 31.7 | 32.2 | 32.5 | 32.7 | 32.9 | 33.1 | 33.3 | 33.5 |
| 90° | 1.3 | 3.7 | 6.2 | 8.6 | 10.9 | 13.1 | 15.2 | 17.3 | 19.4 | 21.5 | 23.0 |
| 92.5° | 32.5 | 34.2 | 35.9 | 37.5 | 39.2 | 41.4 | 44.0 | 46.5 | 49.0 | 51.6 | 53.6 |
| 95° | 87.4 | 88.0 | 88.6 | 89.2 | 89.8 | 91.6 | 94.6 | 97.6 | 100.6 | 103.5 | 105.7 |
| 97.5° | 145.3 | 145.4 | 145.7 | 146.0 | 146.2 | 148.4 | 152.5 | 156.7 | 160.8 | 164.9 | 166.8 |
| 100° | 188.2 | 188.2 | 188.2 | 188.2 | 188.2 | 190.2 | 194.1 | 198.0 | 201.9 | 205.7 | 208.5 |
| 102.5° | 234.5 | 235.8 | 236.9 | 238.1 | 239.3 | 240.9 | 242.9 | 244.9 | 246.8 | 248.8 | 251.7 |
| 105° | 306.7 | 308.1 | 309.6 | 311.1 | 312.6 | 314.2 | 316.0 | 317.8 | 319.6 | 321.5 | 323.2 |
| 107.5° | 386.2 | 387.7 | 389.2 | 390.7 | 392.2 | 393.7 | 395.0 | 396.4 | 397.8 | 399.1 | 400.0 |
| 110° | 441.1 | 442.6 | 444.1 | 445.6 | 447.1 | 448.3 | 449.2 | 450.0 | 450.9 | 451.8 | 452.7 |



TEST NUMBER: P333489-940

CATALOG NUMBER: S125DIW-S1270D1560U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 497.0 | 497.8 | 498.6 | 499.4 | 500.2 | 501.1 | 502.2 | 503.4 | 504.5 | 505.7 | 506.0 |
| 115° | 579.6 | 580.9 | 582.0 | 583.2 | 584.4 | 585.3 | 585.9 | 586.5 | 587.1 | 587.7 | 587.4 |
| 117.5° | 662.5 | 663.0 | 663.5 | 664.1 | 664.6 | 665.1 | 665.7 | 666.2 | 666.7 | 667.4 | 667.5 |
| 120° | 714.1 | 715.6 | 717.1 | 718.6 | 720.1 | 720.9 | 721.3 | 721.6 | 721.8 | 722.2 | 722.2 |
| 122.5° | 770.1 | 770.6 | 771.2 | 771.7 | 772.2 | 772.8 | 773.6 | 774.5 | 775.2 | 776.0 | 775.7 |
| 125° | 845.9 | 847.7 | 849.5 | 851.3 | 853.1 | 854.2 | 854.4 | 854.7 | 855.1 | 855.3 | 854.7 |
| 127.5° | 926.6 | 927.6 | 928.6 | 929.6 | 930.7 | 931.4 | 931.7 | 932.1 | 932.5 | 932.8 | 932.5 |
| 130° | 975.0 | 976.5 | 978.0 | 979.5 | 981.0 | 982.0 | 982.7 | 983.2 | 983.8 | 984.4 | 984.1 |
| 132.5° | 1023.4 | 1025.9 | 1028.3 | 1030.8 | 1033.2 | 1034.4 | 1034.3 | 1034.1 | 1034.0 | 1033.9 | 1033.6 |
| 135° | 1100.1 | 1101.9 | 1103.7 | 1105.5 | 1107.2 | 1108.3 | 1108.6 | 1108.9 | 1109.2 | 1109.5 | 1109.5 |
| 137.5° | 1172.2 | 1173.9 | 1175.6 | 1177.3 | 1179.1 | 1180.3 | 1181.0 | 1181.6 | 1182.2 | 1182.9 | 1183.3 |
| 140° | 1218.4 | 1219.9 | 1221.4 | 1222.9 | 1224.4 | 1225.6 | 1226.5 | 1227.4 | 1228.3 | 1229.2 | 1229.8 |
| 142.5° | 1264.7 | 1266.0 | 1267.2 | 1268.5 | 1269.7 | 1270.9 | 1272.0 | 1273.2 | 1274.3 | 1275.4 | 1275.8 |
| 145° | 1332.8 | 1333.9 | 1335.2 | 1336.3 | 1337.6 | 1338.5 | 1339.4 | 1340.3 | 1341.2 | 1342.1 | 1342.1 |
| 147.5° | 1395.7 | 1396.3 | 1397.0 | 1397.7 | 1398.3 | 1399.0 | 1399.7 | 1400.4 | 1401.1 | 1401.9 | 1402.6 |
| 150° | 1437.6 | 1437.3 | 1437.1 | 1436.7 | 1436.5 | 1436.9 | 1438.1 | 1439.3 | 1440.5 | 1441.7 | 1441.7 |
| 152.5° | 1472.0 | 1472.5 | 1472.9 | 1473.3 | 1473.7 | 1474.2 | 1474.7 | 1475.2 | 1475.6 | 1476.1 | 1476.9 |
| 155° | 1525.1 | 1525.1 | 1525.1 | 1525.1 | 1525.1 | 1525.2 | 1525.5 | 1525.8 | 1526.1 | 1526.4 | 1527.6 |
| 157.5° | 1572.4 | 1571.7 | 1571.1 | 1570.4 | 1569.8 | 1569.6 | 1569.9 | 1570.2 | 1570.5 | 1570.7 | 1572.0 |
| 160° | 1600.4 | 1599.5 | 1598.6 | 1597.7 | 1596.8 | 1596.5 | 1596.8 | 1597.1 | 1597.4 | 1597.7 | 1598.8 |
| 162.5° | 1625.1 | 1624.4 | 1623.8 | 1623.2 | 1622.5 | 1622.2 | 1622.2 | 1622.3 | 1622.4 | 1622.4 | 1623.9 |
| 165° | 1658.2 | 1657.6 | 1657.0 | 1656.4 | 1655.8 | 1655.6 | 1656.0 | 1656.3 | 1656.5 | 1656.9 | 1658.0 |
| 167.5° | 1686.1 | 1685.0 | 1683.8 | 1682.6 | 1681.4 | 1680.8 | 1680.8 | 1680.8 | 1680.8 | 1680.8 | 1682.6 |
| 170° | 1701.2 | 1700.0 | 1698.8 | 1697.6 | 1696.5 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1695.9 | 1697.6 |
| 172.5° | 1712.0 | 1710.8 | 1709.6 | 1708.4 | 1707.2 | 1706.6 | 1706.6 | 1706.6 | 1706.6 | 1706.6 | 1708.4 |
| 175° | 1724.1 | 1722.9 | 1721.7 | 1720.5 | 1719.3 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1720.5 |
| 177.5° | 1730.3 | 1729.3 | 1728.4 | 1727.4 | 1726.4 | 1725.8 | 1725.6 | 1725.4 | 1725.1 | 1724.9 | 1726.4 |
| 180° | 1728.1 | 1728.1 | 1728.1 | 1728.1 | 1728.1 | 1728.1 | 1728.1 | 1728.1 | 1728.1 | 1728.1 | 1728.1 |



TEST NUMBER: P333489-940

CATALOG NUMBER: S125DIW-S1270D1560U940-4F0-1E-UDD-F1

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° | 33.8 | 34.2 | 34.4 | 34.4 | 34.1 | 33.8 | 33.4 | 33.2 |
| 90° | 24.5 | 26.0 | 27.5 | 28.7 | 29.6 | 30.5 | 31.4 | 32.3 |
| 92.5° | 55.6 | 57.5 | 59.6 | 60.8 | 61.5 | 62.2 | 62.8 | 63.5 |
| 95° | 107.7 | 109.9 | 111.9 | 113.2 | 113.9 | 114.5 | 115.0 | 115.7 |
| 97.5° | 168.8 | 170.8 | 172.7 | 174.0 | 174.3 | 174.7 | 175.0 | 175.4 |
| 100° | 211.2 | 213.8 | 216.5 | 218.2 | 218.7 | 219.4 | 220.0 | 220.5 |
| 102.5° | 254.7 | 257.6 | 260.5 | 262.4 | 263.2 | 264.0 | 264.9 | 265.7 |
| 105° | 325.0 | 326.8 | 328.6 | 329.9 | 330.8 | 331.7 | 332.6 | 333.5 |
| 107.5° | 400.9 | 401.8 | 402.7 | 403.1 | 403.1 | 403.1 | 403.0 | 402.9 |
| 110° | 453.7 | 454.6 | 455.5 | 455.8 | 455.5 | 455.1 | 454.9 | 454.6 |



TEST NUMBER: P333489-940

CATALOG NUMBER: S125DIW-S1270D1560U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 506.5 | 506.9 | 507.3 | 507.3 | 506.8 | 506.2 | 505.7 | 505.2 |
| 115° | 587.1 | 586.8 | 586.5 | 586.2 | 585.9 | 585.6 | 585.3 | 585.1 |
| 117.5° | 667.8 | 668.1 | 668.2 | 667.8 | 666.6 | 665.4 | 664.2 | 663.0 |
| 120° | 722.2 | 722.2 | 722.2 | 721.6 | 720.4 | 719.2 | 718.0 | 716.8 |
| 122.5° | 775.5 | 775.3 | 775.0 | 774.5 | 773.5 | 772.5 | 771.5 | 770.6 |
| 125° | 854.2 | 853.5 | 852.9 | 852.5 | 852.2 | 851.9 | 851.6 | 851.3 |
| 127.5° | 932.2 | 931.9 | 931.6 | 931.1 | 930.5 | 930.0 | 929.3 | 928.7 |
| 130° | 983.8 | 983.6 | 983.2 | 982.8 | 982.2 | 981.6 | 981.0 | 980.4 |
| 132.5° | 1033.3 | 1033.0 | 1032.7 | 1032.2 | 1031.4 | 1030.5 | 1029.7 | 1028.8 |
| 135° | 1109.5 | 1109.5 | 1109.5 | 1108.9 | 1107.7 | 1106.5 | 1105.3 | 1104.1 |
| 137.5° | 1183.7 | 1184.0 | 1184.4 | 1183.8 | 1182.3 | 1180.8 | 1179.3 | 1177.8 |
| 140° | 1230.4 | 1231.0 | 1231.5 | 1231.1 | 1229.7 | 1228.2 | 1226.6 | 1225.1 |
| 142.5° | 1276.1 | 1276.5 | 1276.9 | 1276.3 | 1274.8 | 1273.4 | 1271.8 | 1270.3 |
| 145° | 1342.1 | 1342.1 | 1342.1 | 1341.7 | 1340.8 | 1339.9 | 1339.0 | 1338.1 |
| 147.5° | 1403.3 | 1404.0 | 1404.7 | 1404.1 | 1402.0 | 1400.0 | 1398.0 | 1396.0 |
| 150° | 1441.7 | 1441.7 | 1441.7 | 1441.4 | 1440.7 | 1440.2 | 1439.6 | 1439.0 |
| 152.5° | 1477.6 | 1478.3 | 1479.0 | 1478.8 | 1477.7 | 1476.7 | 1475.6 | 1474.5 |
| 155° | 1528.7 | 1530.0 | 1531.2 | 1531.1 | 1529.6 | 1528.0 | 1526.5 | 1525.1 |
| 157.5° | 1573.2 | 1574.4 | 1575.6 | 1575.2 | 1573.2 | 1571.2 | 1569.2 | 1567.3 |
| 160° | 1600.1 | 1601.2 | 1602.5 | 1602.3 | 1600.8 | 1599.3 | 1597.9 | 1596.3 |
| 162.5° | 1625.3 | 1626.7 | 1628.2 | 1628.0 | 1626.3 | 1624.5 | 1622.8 | 1621.0 |
| 165° | 1659.2 | 1660.5 | 1661.6 | 1661.3 | 1659.6 | 1657.8 | 1656.0 | 1654.1 |
| 167.5° | 1684.4 | 1686.1 | 1687.9 | 1687.9 | 1686.0 | 1684.3 | 1682.4 | 1680.5 |
| 170° | 1699.4 | 1701.2 | 1703.0 | 1702.9 | 1700.8 | 1698.7 | 1696.6 | 1694.5 |
| 172.5° | 1710.2 | 1712.0 | 1713.8 | 1713.8 | 1711.9 | 1710.0 | 1708.2 | 1706.4 |
| 175° | 1722.3 | 1724.1 | 1725.9 | 1725.7 | 1723.7 | 1721.5 | 1719.5 | 1717.3 |
| 177.5° | 1727.8 | 1729.2 | 1730.6 | 1730.5 | 1728.8 | 1727.2 | 1725.5 | 1723.9 |
| 180° | 1728.1 | 1728.1 | 1728.1 | 1728.1 | 1728.1 | 1728.1 | 1728.1 | 1728.1 |

(END OF REPORT)