

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: P333706

Luminaire Tested: **S125RDIW-S1090D770U835-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333706
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: S125RDIW-S1090D770U835-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7294.1 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: General Diffuse

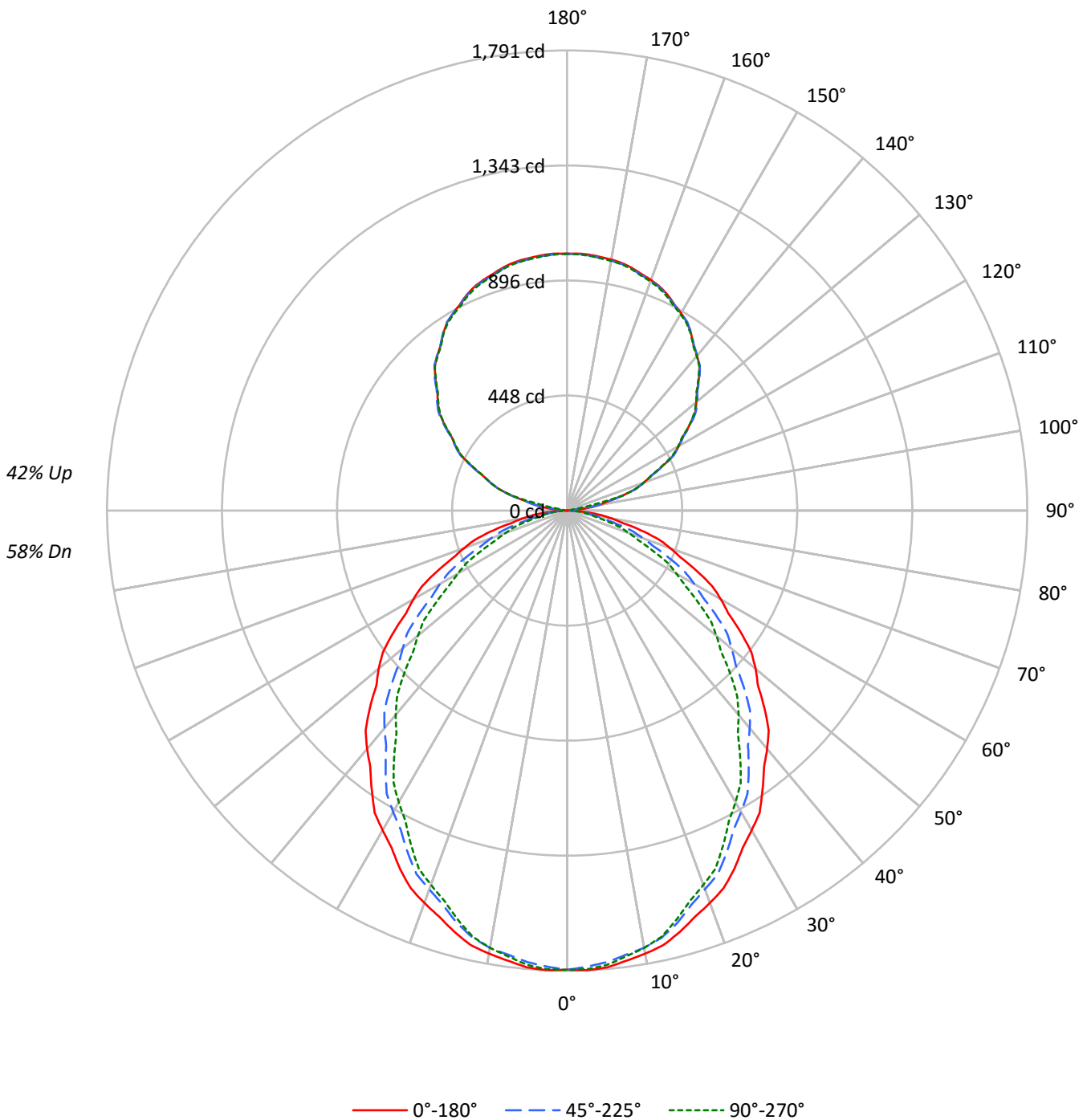
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333706

CATALOG NUMBER: S125RDIW-S1090D770U835-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333706

CATALOG NUMBER: S125RDIW-S1090D770U835-4F0-1E-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 | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 75 | 75 | 75 | 63 | 63 | 63 | 58 |
| 1 | 100 | 96 | 92 | 88 | 93 | 89 | 86 | 83 | 77 | 75 | 73 | 66 | 65 | 63 | 56 | 55 | 54 | 49 |
| 2 | 91 | 84 | 78 | 72 | 85 | 78 | 73 | 68 | 68 | 64 | 61 | 59 | 56 | 53 | 50 | 48 | 46 | 42 |
| 3 | 83 | 74 | 67 | 61 | 77 | 69 | 63 | 57 | 60 | 55 | 51 | 52 | 48 | 45 | 44 | 42 | 39 | 36 |
| 4 | 76 | 66 | 58 | 52 | 71 | 61 | 54 | 49 | 54 | 48 | 44 | 47 | 42 | 39 | 40 | 37 | 34 | 31 |
| 5 | 70 | 59 | 50 | 44 | 65 | 55 | 48 | 42 | 48 | 42 | 38 | 42 | 37 | 34 | 36 | 33 | 30 | 27 |
| 6 | 65 | 53 | 44 | 39 | 60 | 49 | 42 | 37 | 44 | 38 | 33 | 38 | 33 | 30 | 33 | 29 | 26 | 24 |
| 7 | 60 | 48 | 40 | 34 | 56 | 45 | 38 | 32 | 40 | 34 | 29 | 35 | 30 | 26 | 30 | 26 | 24 | 21 |
| 8 | 56 | 43 | 36 | 30 | 52 | 41 | 34 | 29 | 36 | 30 | 26 | 32 | 27 | 24 | 28 | 24 | 21 | 19 |
| 9 | 52 | 40 | 32 | 27 | 48 | 37 | 31 | 26 | 33 | 28 | 24 | 29 | 25 | 21 | 26 | 22 | 19 | 17 |
| 10 | 49 | 36 | 29 | 24 | 45 | 34 | 28 | 23 | 31 | 25 | 21 | 27 | 23 | 19 | 24 | 20 | 17 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11544 | 11544 | 11544 |
| 5° | 11570 | 11439 | 11509 |
| 10° | 11482 | 11332 | 11332 |
| 15° | 11346 | 11102 | 11012 |
| 20° | 11171 | 10781 | 10652 |
| 25° | 10967 | 10467 | 10236 |
| 30° | 10712 | 10097 | 9775 |
| 35° | 10452 | 9717 | 9260 |
| 40° | 10209 | 9321 | 8752 |
| 45° | 9913 | 8878 | 8199 |
| 50° | 9616 | 8396 | 7623 |
| 55° | 9272 | 7935 | 7007 |
| 60° | 8928 | 7375 | 6347 |
| 65° | 8520 | 6725 | 5590 |
| 70° | 8055 | 5914 | 4817 |
| 75° | 7411 | 4986 | 4007 |
| 80° | 6527 | 3916 | 3362 |
| 85° | 5498 | 3201 | 3001 |



TEST NUMBER: P333706

CATALOG NUMBER: S125RDIW-S1090D770U835-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 168.1 | 2.3 |
| 10°-20° | 469.7 | 6.4 |
| 20°-30° | 681.1 | 9.3 |
| 30°-40° | 776.2 | 10.6 |
| 40°-50° | 756.6 | 10.4 |
| 50°-60° | 636.9 | 8.7 |
| 60°-70° | 446.5 | 6.1 |
| 70°-80° | 229.5 | 3.1 |
| 80°-90° | 60.0 | 0.8 |
| 90°-100° | 36.3 | 0.5 |
| 100°-110° | 223.9 | 3.1 |
| 110°-120° | 406.0 | 5.6 |
| 120°-130° | 521.1 | 7.1 |
| 130°-140° | 560.5 | 7.7 |
| 140°-150° | 526.1 | 7.2 |
| 150°-160° | 425.5 | 5.8 |
| 160°-170° | 275.2 | 3.8 |
| 170°-180° | 94.9 | 1.3 |
| 0°-30° | 1318.9 | 18.1 |
| 0°-40° | 2095.1 | 28.7 |
| 0°-60° | 3488.6 | 47.8 |
| 0°-90° | 4224.6 | 57.9 |
| 90°-120° | 666.2 | 9.1 |
| 90°-150° | 2273.8 | 31.2 |
| 90°-180° | 3069.0 | 42.1 |
| 0°-180° | 7294.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1787 | 1787 | 1787 | 1787 | 1787 | |
| 5° | 1785 | 1779 | 1764 | 1777 | 1775 | 169 |
| 15° | 1697 | 1688 | 1660 | 1659 | 1647 | 478 |
| 25° | 1539 | 1517 | 1469 | 1451 | 1436 | 708 |
| 35° | 1326 | 1292 | 1232 | 1194 | 1174 | 830 |
| 45° | 1085 | 1044 | 972 | 920 | 898 | 837 |
| 55° | 824 | 778 | 705 | 646 | 622 | 736 |
| 65° | 558 | 510 | 440 | 388 | 366 | 552 |
| 75° | 297 | 256 | 200 | 171 | 161 | 314 |
| 85° | 74 | 51 | 43 | 42 | 40 | 83 |
| 90° | 1 | 7 | 12 | 15 | 18 | 5 |
| 95° | 42 | 39 | 12 | 15 | 16 | 54 |
| 105° | 218 | 221 | 221 | 221 | 220 | 231 |
| 115° | 409 | 413 | 414 | 410 | 406 | 405 |
| 125° | 582 | 587 | 587 | 584 | 582 | 519 |
| 135° | 725 | 730 | 728 | 727 | 722 | 559 |
| 145° | 841 | 842 | 842 | 843 | 839 | 526 |
| 155° | 926 | 922 | 923 | 925 | 920 | 427 |
| 165° | 977 | 973 | 974 | 978 | 972 | 276 |
| 175° | 1000 | 995 | 996 | 1001 | 995 | 95 |
| 180° | 1000 | 1000 | 1000 | 1000 | 1000 | |



TEST NUMBER: P333706

CATALOG NUMBER: S125RDIW-S1090D770U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 |
| 2.5° | 1790.6 | 1789.9 | 1789.2 | 1788.4 | 1787.7 | 1786.2 | 1783.8 | 1781.4 | 1779.0 | 1776.6 | 1779.0 |
| 5° | 1784.7 | 1783.5 | 1782.3 | 1781.1 | 1779.9 | 1777.6 | 1774.3 | 1771.0 | 1767.7 | 1764.4 | 1767.4 |
| 7.5° | 1767.1 | 1766.0 | 1764.8 | 1763.7 | 1762.5 | 1760.0 | 1756.0 | 1752.1 | 1748.1 | 1744.2 | 1746.3 |
| 10° | 1750.9 | 1750.0 | 1749.1 | 1748.2 | 1747.3 | 1744.8 | 1740.6 | 1736.4 | 1732.2 | 1728.0 | 1728.9 |
| 12.5° | 1732.5 | 1731.4 | 1730.3 | 1729.1 | 1728.0 | 1724.6 | 1719.0 | 1713.3 | 1707.7 | 1702.0 | 1702.7 |
| 15° | 1696.9 | 1695.1 | 1693.3 | 1691.5 | 1689.7 | 1685.7 | 1679.4 | 1673.1 | 1666.8 | 1660.5 | 1660.2 |
| 17.5° | 1656.7 | 1653.9 | 1651.2 | 1648.4 | 1645.6 | 1640.3 | 1632.4 | 1624.5 | 1616.5 | 1608.6 | 1607.1 |
| 20° | 1625.4 | 1622.4 | 1619.4 | 1616.4 | 1613.4 | 1607.1 | 1597.5 | 1587.9 | 1578.3 | 1568.7 | 1567.2 |
| 22.5° | 1590.8 | 1587.8 | 1584.8 | 1581.8 | 1578.8 | 1572.3 | 1562.2 | 1552.1 | 1542.0 | 1531.9 | 1529.0 |
| 25° | 1539.0 | 1534.5 | 1530.0 | 1525.5 | 1521.0 | 1513.2 | 1502.1 | 1491.0 | 1479.9 | 1468.8 | 1464.9 |
| 27.5° | 1479.6 | 1474.1 | 1468.6 | 1463.2 | 1457.7 | 1449.1 | 1437.2 | 1425.3 | 1413.4 | 1401.5 | 1396.1 |
| 30° | 1436.4 | 1430.7 | 1425.0 | 1419.3 | 1413.6 | 1404.4 | 1391.8 | 1379.2 | 1366.6 | 1354.0 | 1347.1 |
| 32.5° | 1394.2 | 1387.6 | 1380.9 | 1374.3 | 1367.6 | 1357.9 | 1345.0 | 1332.2 | 1319.3 | 1306.5 | 1298.9 |
| 35° | 1325.7 | 1318.5 | 1311.3 | 1304.1 | 1296.9 | 1286.5 | 1273.0 | 1259.5 | 1246.0 | 1232.5 | 1223.8 |
| 37.5° | 1258.4 | 1249.7 | 1240.9 | 1232.2 | 1223.4 | 1212.1 | 1198.1 | 1184.2 | 1170.3 | 1156.4 | 1145.9 |
| 40° | 1210.9 | 1201.9 | 1192.9 | 1183.9 | 1174.9 | 1163.2 | 1148.8 | 1134.4 | 1120.0 | 1105.6 | 1094.2 |
| 42.5° | 1161.2 | 1152.0 | 1142.8 | 1133.5 | 1124.3 | 1112.2 | 1097.3 | 1082.5 | 1067.6 | 1052.7 | 1041.8 |
| 45° | 1085.4 | 1076.7 | 1068.0 | 1059.3 | 1050.6 | 1038.0 | 1021.5 | 1005.0 | 988.5 | 972.0 | 960.0 |
| 47.5° | 1006.8 | 997.6 | 988.4 | 979.3 | 970.1 | 957.2 | 940.6 | 923.9 | 907.3 | 890.7 | 878.3 |
| 50° | 957.1 | 947.2 | 937.3 | 927.4 | 917.5 | 904.0 | 886.9 | 869.8 | 852.7 | 835.6 | 823.0 |
| 52.5° | 903.1 | 893.0 | 882.8 | 872.7 | 862.6 | 849.4 | 833.3 | 817.1 | 801.0 | 784.9 | 771.3 |
| 55° | 823.5 | 813.9 | 804.3 | 794.7 | 785.1 | 771.9 | 755.1 | 738.3 | 721.5 | 704.7 | 691.2 |
| 57.5° | 743.0 | 732.8 | 722.5 | 712.2 | 702.0 | 688.8 | 672.6 | 656.4 | 640.2 | 624.0 | 610.8 |
| 60° | 691.2 | 680.7 | 670.2 | 659.7 | 649.2 | 635.8 | 619.6 | 603.4 | 587.2 | 571.0 | 557.8 |
| 62.5° | 636.1 | 626.1 | 616.1 | 606.0 | 596.0 | 582.8 | 566.4 | 549.9 | 533.5 | 517.0 | 504.8 |
| 65° | 557.5 | 547.3 | 537.1 | 526.9 | 516.7 | 503.7 | 487.8 | 471.9 | 456.0 | 440.1 | 428.1 |
| 67.5° | 479.5 | 469.3 | 459.1 | 448.9 | 438.7 | 426.0 | 410.7 | 395.5 | 380.3 | 365.0 | 354.1 |
| 70° | 426.6 | 416.4 | 406.2 | 396.0 | 385.8 | 373.2 | 358.2 | 343.2 | 328.2 | 313.2 | 303.9 |
| 72.5° | 374.8 | 364.8 | 354.8 | 344.9 | 334.9 | 322.9 | 308.9 | 294.8 | 280.8 | 266.8 | 258.2 |
| 75° | 297.0 | 288.0 | 279.0 | 270.0 | 261.0 | 250.2 | 237.6 | 225.0 | 212.4 | 199.8 | 193.2 |
| 77.5° | 219.8 | 212.6 | 205.4 | 198.2 | 191.0 | 182.3 | 172.3 | 162.2 | 152.1 | 142.0 | 137.4 |
| 80° | 175.5 | 168.3 | 161.1 | 153.9 | 146.7 | 138.9 | 130.5 | 122.1 | 113.7 | 105.3 | 102.6 |
| 82.5° | 132.3 | 125.8 | 119.3 | 112.9 | 106.4 | 100.3 | 94.5 | 88.7 | 83.0 | 77.2 | 76.0 |
| 85° | 74.2 | 68.8 | 63.4 | 58.0 | 52.6 | 49.2 | 47.7 | 46.2 | 44.7 | 43.2 | 42.9 |
| 87.5° | 25.0 | 23.6 | 22.2 | 20.7 | 19.3 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.7 |
| 90° | 0.7 | 2.1 | 3.4 | 4.7 | 6.0 | 7.2 | 8.4 | 9.6 | 10.7 | 11.9 | 12.7 |
| 92.5° | 11.4 | 10.5 | 9.6 | 8.6 | 7.7 | 7.8 | 8.8 | 9.8 | 10.8 | 11.9 | 12.7 |
| 95° | 42.2 | 41.7 | 41.2 | 40.8 | 40.3 | 36.9 | 30.6 | 24.4 | 18.1 | 11.9 | 12.7 |
| 97.5° | 88.2 | 89.1 | 90.0 | 90.8 | 91.7 | 86.0 | 73.6 | 61.2 | 48.8 | 36.5 | 31.8 |
| 100° | 123.7 | 124.2 | 124.7 | 125.2 | 125.7 | 126.3 | 127.0 | 127.6 | 128.3 | 128.9 | 104.4 |
| 102.5° | 159.9 | 160.5 | 161.2 | 161.8 | 162.4 | 162.9 | 163.3 | 163.7 | 164.1 | 164.5 | 159.9 |
| 105° | 217.8 | 218.5 | 219.2 | 219.8 | 220.5 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 |
| 107.5° | 278.0 | 278.0 | 278.0 | 278.0 | 278.0 | 278.2 | 278.5 | 278.8 | 279.2 | 279.5 | 279.5 |
| 110° | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.3 | 317.6 | 318.0 | 318.3 | 318.6 | 318.1 |



TEST NUMBER: P333706

CATALOG NUMBER: S125RDIW-S1090D770U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 353.9 | 354.3 | 354.7 | 355.1 | 355.5 | 355.8 | 356.0 | 356.2 | 356.4 | 356.6 | 355.9 |
| 115° | 409.0 | 409.8 | 410.7 | 411.5 | 412.3 | 412.8 | 413.0 | 413.1 | 413.3 | 413.5 | 412.8 |
| 117.5° | 466.1 | 466.0 | 466.0 | 466.0 | 465.9 | 466.2 | 466.9 | 467.5 | 468.1 | 468.7 | 467.9 |
| 120° | 501.6 | 501.5 | 501.3 | 501.1 | 501.0 | 501.1 | 501.6 | 502.1 | 502.6 | 503.1 | 502.8 |
| 122.5° | 533.0 | 533.7 | 534.3 | 534.9 | 535.6 | 536.0 | 536.2 | 536.4 | 536.7 | 536.9 | 536.6 |
| 125° | 581.7 | 582.8 | 584.0 | 585.1 | 586.3 | 586.8 | 586.8 | 586.8 | 586.8 | 586.8 | 586.2 |
| 127.5° | 628.0 | 628.9 | 629.7 | 630.5 | 631.3 | 631.7 | 631.6 | 631.5 | 631.4 | 631.3 | 630.9 |
| 130° | 656.5 | 657.3 | 658.1 | 659.0 | 659.8 | 660.3 | 660.4 | 660.6 | 660.8 | 660.9 | 660.4 |
| 132.5° | 684.9 | 685.9 | 686.9 | 687.8 | 688.8 | 689.1 | 688.7 | 688.3 | 688.0 | 687.6 | 687.5 |
| 135° | 725.4 | 726.4 | 727.4 | 728.4 | 729.4 | 729.7 | 729.4 | 729.0 | 728.7 | 728.4 | 728.0 |
| 137.5° | 762.6 | 763.5 | 764.3 | 765.2 | 766.0 | 766.3 | 766.0 | 765.7 | 765.4 | 765.1 | 765.2 |
| 140° | 786.9 | 787.2 | 787.6 | 787.9 | 788.2 | 788.3 | 788.1 | 788.0 | 787.8 | 787.6 | 788.0 |
| 142.5° | 808.8 | 809.0 | 809.2 | 809.4 | 809.6 | 809.8 | 810.1 | 810.3 | 810.5 | 810.8 | 810.8 |
| 145° | 841.0 | 841.3 | 841.7 | 842.0 | 842.3 | 842.5 | 842.5 | 842.5 | 842.5 | 842.5 | 842.6 |
| 147.5° | 869.2 | 869.1 | 869.0 | 869.0 | 868.9 | 869.0 | 869.2 | 869.3 | 869.5 | 869.7 | 869.9 |
| 150° | 886.9 | 886.6 | 886.3 | 885.9 | 885.6 | 885.6 | 885.9 | 886.3 | 886.6 | 886.9 | 887.3 |
| 152.5° | 904.1 | 903.4 | 902.7 | 902.0 | 901.2 | 901.0 | 901.4 | 901.7 | 902.0 | 902.3 | 902.7 |
| 155° | 926.2 | 925.2 | 924.2 | 923.2 | 922.3 | 921.9 | 922.3 | 922.6 | 922.9 | 923.2 | 923.7 |
| 157.5° | 943.2 | 942.7 | 942.1 | 941.5 | 940.9 | 940.6 | 940.6 | 940.7 | 940.7 | 940.7 | 941.3 |
| 160° | 955.1 | 954.1 | 953.1 | 952.1 | 951.2 | 950.7 | 950.9 | 951.1 | 951.2 | 951.4 | 952.1 |
| 162.5° | 964.6 | 963.6 | 962.6 | 961.6 | 960.6 | 960.2 | 960.4 | 960.6 | 960.7 | 960.9 | 961.8 |
| 165° | 977.3 | 976.3 | 975.4 | 974.4 | 973.4 | 973.0 | 973.1 | 973.3 | 973.5 | 973.6 | 974.6 |
| 167.5° | 986.8 | 985.8 | 984.8 | 983.8 | 982.7 | 982.3 | 982.5 | 982.6 | 982.8 | 983.0 | 984.1 |
| 170° | 992.2 | 991.0 | 989.8 | 988.7 | 987.5 | 987.0 | 987.2 | 987.4 | 987.5 | 987.7 | 989.0 |
| 172.5° | 995.7 | 994.6 | 993.4 | 992.2 | 991.1 | 990.7 | 991.0 | 991.3 | 991.6 | 991.9 | 993.0 |
| 175° | 999.6 | 998.6 | 997.6 | 996.6 | 995.6 | 995.2 | 995.4 | 995.5 | 995.7 | 995.9 | 997.2 |
| 177.5° | 1001.3 | 1000.5 | 999.8 | 999.0 | 998.2 | 997.8 | 998.0 | 998.1 | 998.2 | 998.4 | 999.3 |
| 180° | 999.6 | 999.6 | 999.6 | 999.6 | 999.6 | 999.6 | 999.6 | 999.6 | 999.6 | 999.6 | 999.6 |



TEST NUMBER: P333706

CATALOG NUMBER: S125RDIW-S1090D770U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 |
| 2.5° | 1781.4 | 1783.8 | 1786.2 | 1787.2 | 1787.0 | 1786.8 | 1786.5 | 1786.3 |
| 5° | 1770.4 | 1773.4 | 1776.4 | 1777.6 | 1777.0 | 1776.4 | 1775.8 | 1775.2 |
| 7.5° | 1748.4 | 1750.5 | 1752.6 | 1753.3 | 1752.6 | 1752.0 | 1751.3 | 1750.6 |
| 10° | 1729.8 | 1730.7 | 1731.6 | 1731.6 | 1730.7 | 1729.8 | 1728.9 | 1728.0 |
| 12.5° | 1703.4 | 1704.0 | 1704.7 | 1704.3 | 1702.9 | 1701.6 | 1700.2 | 1698.8 |
| 15° | 1659.9 | 1659.6 | 1659.3 | 1657.8 | 1655.1 | 1652.4 | 1649.7 | 1647.0 |
| 17.5° | 1605.6 | 1604.1 | 1602.6 | 1600.8 | 1598.5 | 1596.3 | 1594.1 | 1591.9 |
| 20° | 1565.7 | 1564.2 | 1562.7 | 1560.6 | 1557.9 | 1555.2 | 1552.5 | 1549.8 |
| 22.5° | 1526.1 | 1523.1 | 1520.2 | 1517.6 | 1515.4 | 1513.2 | 1510.9 | 1508.7 |
| 25° | 1461.0 | 1457.1 | 1453.2 | 1449.6 | 1446.3 | 1443.0 | 1439.7 | 1436.4 |
| 27.5° | 1390.6 | 1385.2 | 1379.7 | 1375.4 | 1372.2 | 1369.0 | 1365.8 | 1362.7 |
| 30° | 1340.2 | 1333.3 | 1326.4 | 1321.6 | 1318.9 | 1316.2 | 1313.5 | 1310.8 |
| 32.5° | 1291.3 | 1283.6 | 1276.0 | 1270.5 | 1267.1 | 1263.7 | 1260.2 | 1256.8 |
| 35° | 1215.1 | 1206.4 | 1197.7 | 1191.3 | 1187.1 | 1182.9 | 1178.7 | 1174.5 |
| 37.5° | 1135.5 | 1125.1 | 1114.6 | 1107.4 | 1103.3 | 1099.2 | 1095.1 | 1091.0 |
| 40° | 1082.8 | 1071.4 | 1060.0 | 1052.5 | 1048.9 | 1045.3 | 1041.7 | 1038.1 |
| 42.5° | 1030.9 | 1019.9 | 1009.0 | 1000.9 | 995.6 | 990.4 | 985.1 | 979.8 |
| 45° | 948.0 | 936.0 | 924.0 | 915.7 | 911.2 | 906.7 | 902.2 | 897.7 |
| 47.5° | 866.0 | 853.6 | 841.3 | 832.6 | 827.6 | 822.6 | 817.7 | 812.7 |
| 50° | 810.4 | 797.8 | 785.2 | 776.7 | 772.2 | 767.7 | 763.2 | 758.7 |
| 52.5° | 757.8 | 744.2 | 730.6 | 721.6 | 717.1 | 712.6 | 708.1 | 703.6 |
| 55° | 677.7 | 664.2 | 650.7 | 641.5 | 636.7 | 631.9 | 627.1 | 622.3 |
| 57.5° | 597.6 | 584.4 | 571.2 | 562.4 | 558.2 | 553.9 | 549.6 | 545.4 |
| 60° | 544.6 | 531.4 | 518.2 | 509.4 | 504.9 | 500.4 | 495.9 | 491.4 |
| 62.5° | 492.6 | 480.3 | 468.1 | 459.7 | 455.2 | 450.7 | 446.2 | 441.7 |
| 65° | 416.1 | 404.1 | 392.1 | 383.8 | 379.3 | 374.8 | 370.3 | 365.8 |
| 67.5° | 343.1 | 332.1 | 321.1 | 313.8 | 310.2 | 306.6 | 303.0 | 299.4 |
| 70° | 294.6 | 285.3 | 276.0 | 269.5 | 265.9 | 262.3 | 258.7 | 255.1 |
| 72.5° | 249.6 | 241.0 | 232.4 | 226.9 | 224.5 | 222.1 | 219.7 | 217.3 |
| 75° | 186.6 | 180.0 | 173.4 | 169.0 | 166.9 | 164.8 | 162.7 | 160.6 |
| 77.5° | 132.8 | 128.2 | 123.5 | 120.4 | 118.9 | 117.3 | 115.8 | 114.2 |
| 80° | 99.9 | 97.2 | 94.5 | 92.8 | 92.2 | 91.6 | 91.0 | 90.4 |
| 82.5° | 74.7 | 73.4 | 72.2 | 71.4 | 71.0 | 70.6 | 70.3 | 69.9 |
| 85° | 42.6 | 42.3 | 42.0 | 41.7 | 41.4 | 41.1 | 40.8 | 40.5 |
| 87.5° | 18.9 | 19.1 | 19.2 | 19.2 | 19.1 | 19.0 | 18.8 | 18.7 |
| 90° | 13.5 | 14.3 | 15.1 | 15.8 | 16.3 | 16.8 | 17.3 | 17.8 |
| 92.5° | 13.5 | 14.3 | 15.1 | 15.7 | 15.9 | 16.1 | 16.4 | 16.6 |
| 95° | 13.5 | 14.3 | 15.1 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| 97.5° | 27.2 | 22.5 | 17.9 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| 100° | 79.9 | 55.3 | 30.8 | 18.2 | 17.5 | 16.9 | 16.2 | 15.6 |
| 102.5° | 155.2 | 150.6 | 145.9 | 138.0 | 126.8 | 115.6 | 104.4 | 93.2 |
| 105° | 220.8 | 220.8 | 220.8 | 220.7 | 220.6 | 220.4 | 220.2 | 220.1 |
| 107.5° | 279.6 | 279.6 | 279.6 | 279.4 | 278.9 | 278.4 | 277.9 | 277.4 |
| 110° | 317.6 | 317.1 | 316.6 | 316.5 | 316.6 | 316.8 | 317.0 | 317.1 |



TEST NUMBER: P333706

CATALOG NUMBER: S125RDIW-S1090D770U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 112.5° | 355.3 | 354.7 | 354.0 | 353.6 | 353.4 | 353.2 | 352.9 | 352.7 |
| 115° | 412.1 | 411.5 | 410.8 | 410.0 | 409.0 | 408.0 | 407.0 | 406.0 |
| 117.5° | 467.0 | 466.2 | 465.3 | 464.7 | 464.2 | 463.8 | 463.4 | 463.0 |
| 120° | 502.5 | 502.1 | 501.8 | 501.2 | 500.4 | 499.6 | 498.8 | 497.9 |
| 122.5° | 536.2 | 535.9 | 535.6 | 534.9 | 534.0 | 533.0 | 532.1 | 531.1 |
| 125° | 585.5 | 584.9 | 584.2 | 583.6 | 583.1 | 582.6 | 582.2 | 581.7 |
| 127.5° | 630.6 | 630.2 | 629.9 | 629.1 | 627.8 | 626.6 | 625.4 | 624.2 |
| 130° | 660.0 | 659.5 | 659.0 | 658.3 | 657.5 | 656.7 | 655.8 | 655.0 |
| 132.5° | 687.4 | 687.3 | 687.2 | 686.8 | 685.9 | 685.1 | 684.3 | 683.5 |
| 135° | 727.7 | 727.4 | 727.1 | 726.4 | 725.4 | 724.4 | 723.4 | 722.4 |
| 137.5° | 765.3 | 765.3 | 765.4 | 765.0 | 764.1 | 763.3 | 762.4 | 761.6 |
| 140° | 788.3 | 788.6 | 789.0 | 788.6 | 787.6 | 786.7 | 785.7 | 784.7 |
| 142.5° | 810.9 | 811.0 | 811.0 | 810.6 | 809.6 | 808.6 | 807.6 | 806.6 |
| 145° | 842.8 | 843.0 | 843.1 | 842.7 | 841.7 | 840.7 | 839.8 | 838.8 |
| 147.5° | 870.1 | 870.3 | 870.5 | 870.0 | 868.9 | 867.7 | 866.5 | 865.3 |
| 150° | 887.6 | 887.9 | 888.3 | 887.8 | 886.4 | 885.1 | 883.8 | 882.5 |
| 152.5° | 903.0 | 903.3 | 903.7 | 903.2 | 902.0 | 900.9 | 899.7 | 898.5 |
| 155° | 924.2 | 924.7 | 925.2 | 924.8 | 923.5 | 922.2 | 920.9 | 919.5 |
| 157.5° | 941.8 | 942.3 | 942.8 | 942.4 | 941.1 | 939.8 | 938.5 | 937.2 |
| 160° | 952.7 | 953.4 | 954.0 | 953.7 | 952.4 | 951.1 | 949.8 | 948.4 |
| 162.5° | 962.7 | 963.6 | 964.6 | 964.3 | 962.9 | 961.4 | 960.0 | 958.5 |
| 165° | 975.6 | 976.6 | 977.6 | 977.4 | 976.1 | 974.8 | 973.5 | 972.1 |
| 167.5° | 985.3 | 986.5 | 987.7 | 987.6 | 986.1 | 984.6 | 983.1 | 981.6 |
| 170° | 990.3 | 991.7 | 993.0 | 992.9 | 991.4 | 989.9 | 988.4 | 987.0 |
| 172.5° | 994.2 | 995.4 | 996.6 | 996.4 | 995.0 | 993.5 | 992.0 | 990.5 |
| 175° | 998.5 | 999.8 | 1001.1 | 1001.0 | 999.6 | 998.1 | 996.6 | 995.1 |
| 177.5° | 1000.2 | 1001.1 | 1002.1 | 1002.0 | 1000.9 | 999.9 | 998.8 | 997.8 |
| 180° | 999.6 | 999.6 | 999.6 | 999.6 | 999.6 | 999.6 | 999.6 | 999.6 |

(END OF REPORT)