

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: P333711

Luminaire Tested: **S125RDIW-S1090D1050U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333711
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: S125RDIW-S1090D1050U835-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7858.6 lumens
Efficiency: N/A
Efficacy: 128.4 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

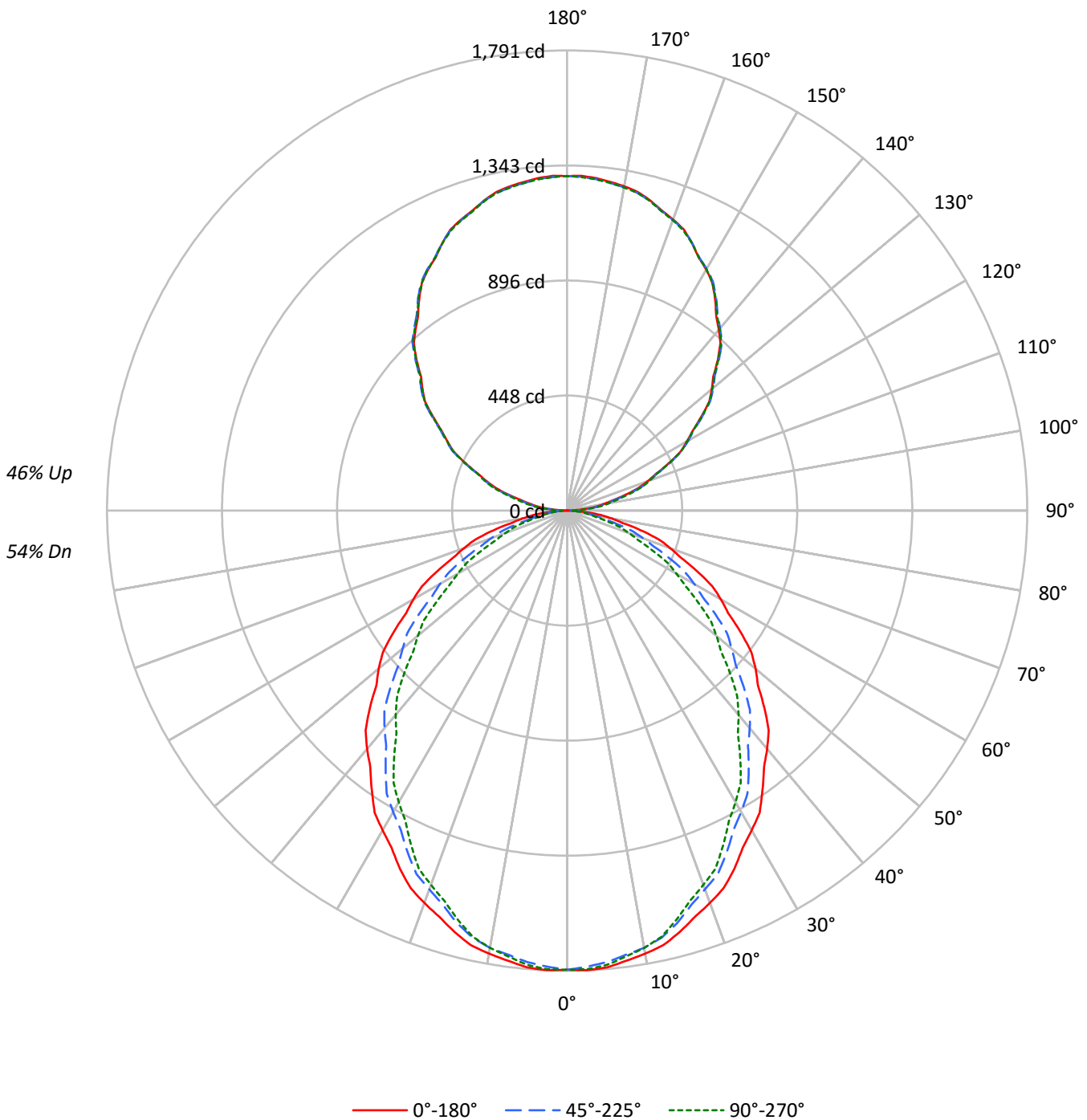
Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333711

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333711

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 72 | 72 | 72 | 60 | 60 | 60 | 54 |
| 1 | 99 | 95 | 91 | 87 | 92 | 88 | 85 | 82 | 75 | 73 | 71 | 64 | 62 | 60 | 53 | 52 | 51 | 46 |
| 2 | 90 | 83 | 77 | 72 | 83 | 77 | 72 | 67 | 66 | 62 | 59 | 56 | 53 | 51 | 47 | 45 | 43 | 39 |
| 3 | 82 | 73 | 66 | 60 | 76 | 68 | 62 | 57 | 59 | 54 | 50 | 50 | 46 | 43 | 42 | 39 | 37 | 33 |
| 4 | 76 | 65 | 57 | 51 | 70 | 60 | 53 | 48 | 52 | 47 | 43 | 45 | 41 | 37 | 37 | 34 | 32 | 28 |
| 5 | 69 | 58 | 50 | 44 | 64 | 54 | 47 | 41 | 47 | 41 | 37 | 40 | 36 | 32 | 34 | 31 | 28 | 25 |
| 6 | 64 | 52 | 44 | 38 | 59 | 49 | 41 | 36 | 42 | 37 | 32 | 36 | 32 | 28 | 31 | 27 | 25 | 22 |
| 7 | 59 | 47 | 39 | 34 | 55 | 44 | 37 | 32 | 38 | 33 | 29 | 33 | 29 | 25 | 28 | 25 | 22 | 20 |
| 8 | 55 | 43 | 35 | 30 | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 30 | 26 | 23 | 26 | 22 | 20 | 18 |
| 9 | 51 | 39 | 32 | 27 | 48 | 37 | 30 | 25 | 32 | 27 | 23 | 28 | 24 | 20 | 24 | 20 | 18 | 16 |
| 10 | 48 | 36 | 29 | 24 | 45 | 34 | 27 | 23 | 30 | 24 | 21 | 26 | 22 | 18 | 22 | 19 | 16 | 14 |

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: P333711

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 168.1 | 2.1 |
| 10°-20° | 469.7 | 6.0 |
| 20°-30° | 681.1 | 8.7 |
| 30°-40° | 776.2 | 9.9 |
| 40°-50° | 756.6 | 9.6 |
| 50°-60° | 636.9 | 8.1 |
| 60°-70° | 446.5 | 5.7 |
| 70°-80° | 229.5 | 2.9 |
| 80°-90° | 60.8 | 0.8 |
| 90°-100° | 87.2 | 1.1 |
| 100°-110° | 257.5 | 3.3 |
| 110°-120° | 436.2 | 5.6 |
| 120°-130° | 574.0 | 7.3 |
| 130°-140° | 643.2 | 8.2 |
| 140°-150° | 630.4 | 8.0 |
| 150°-160° | 529.5 | 6.7 |
| 160°-170° | 352.0 | 4.5 |
| 170°-180° | 123.2 | 1.6 |
| 0°-30° | 1318.9 | 16.8 |
| 0°-40° | 2095.1 | 26.7 |
| 0°-60° | 3488.6 | 44.4 |
| 0°-90° | 4225.4 | 53.8 |
| 90°-120° | 780.9 | 9.9 |
| 90°-150° | 2628.6 | 33.4 |
| 90°-180° | 3633.0 | 46.2 |
| 0°-180° | 7858.6 | 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 | 9 | 16 | 21 | 24 | 7 |
| 95° | 66 | 68 | 78 | 85 | 87 | 70 |
| 105° | 231 | 236 | 242 | 248 | 251 | 247 |
| 115° | 437 | 441 | 443 | 442 | 441 | 432 |
| 125° | 637 | 643 | 644 | 642 | 641 | 571 |
| 135° | 829 | 835 | 836 | 836 | 832 | 639 |
| 145° | 1004 | 1008 | 1011 | 1011 | 1008 | 627 |
| 155° | 1149 | 1149 | 1150 | 1154 | 1149 | 529 |
| 165° | 1249 | 1247 | 1248 | 1252 | 1246 | 352 |
| 175° | 1299 | 1295 | 1295 | 1300 | 1294 | 123 |
| 180° | 1302 | 1302 | 1302 | 1302 | 1302 | |



TEST NUMBER: P333711

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-F1

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 | 23.7 | 22.4 | 21.1 | 19.8 | 19.1 | 19.2 | 19.3 | 19.4 | 19.4 | 19.7 |
| 90° | 1.0 | 2.8 | 4.6 | 6.4 | 8.2 | 9.9 | 11.5 | 13.1 | 14.6 | 16.2 | 17.3 |
| 92.5° | 24.5 | 25.8 | 27.0 | 28.3 | 29.6 | 31.2 | 33.1 | 35.0 | 37.0 | 38.9 | 40.4 |
| 95° | 65.9 | 66.3 | 66.8 | 67.2 | 67.7 | 69.0 | 71.3 | 73.5 | 75.8 | 78.0 | 79.6 |
| 97.5° | 109.4 | 109.6 | 109.8 | 110.0 | 110.2 | 111.8 | 114.9 | 118.0 | 121.1 | 124.2 | 125.7 |
| 100° | 141.9 | 141.9 | 141.9 | 141.9 | 141.9 | 143.3 | 146.2 | 149.2 | 152.1 | 155.0 | 157.1 |
| 102.5° | 176.7 | 177.6 | 178.5 | 179.4 | 180.3 | 181.5 | 183.0 | 184.5 | 186.0 | 187.5 | 189.7 |
| 105° | 231.0 | 232.1 | 233.3 | 234.4 | 235.5 | 236.8 | 238.1 | 239.5 | 240.8 | 242.2 | 243.5 |
| 107.5° | 291.0 | 292.1 | 293.3 | 294.4 | 295.5 | 296.6 | 297.6 | 298.7 | 299.7 | 300.7 | 301.4 |
| 110° | 332.3 | 333.5 | 334.6 | 335.7 | 336.9 | 337.8 | 338.4 | 339.1 | 339.8 | 340.5 | 341.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 374.5 | 375.1 | 375.7 | 376.3 | 376.8 | 377.6 | 378.4 | 379.3 | 380.1 | 381.0 | 381.3 |
| 115° | 436.7 | 437.6 | 438.5 | 439.4 | 440.3 | 441.0 | 441.4 | 441.9 | 442.3 | 442.8 | 442.6 |
| 117.5° | 499.1 | 499.5 | 499.9 | 500.3 | 500.8 | 501.2 | 501.6 | 502.0 | 502.4 | 502.8 | 503.0 |
| 120° | 538.0 | 539.2 | 540.3 | 541.4 | 542.5 | 543.2 | 543.4 | 543.7 | 543.9 | 544.1 | 544.1 |
| 122.5° | 580.2 | 580.6 | 581.0 | 581.4 | 581.8 | 582.3 | 582.9 | 583.5 | 584.1 | 584.7 | 584.5 |
| 125° | 637.3 | 638.7 | 640.0 | 641.4 | 642.7 | 643.5 | 643.8 | 644.0 | 644.2 | 644.4 | 644.0 |
| 127.5° | 698.1 | 698.9 | 699.7 | 700.4 | 701.2 | 701.7 | 702.0 | 702.3 | 702.5 | 702.8 | 702.6 |
| 130° | 734.6 | 735.7 | 736.9 | 738.0 | 739.1 | 739.9 | 740.4 | 740.8 | 741.3 | 741.7 | 741.5 |
| 132.5° | 771.1 | 772.9 | 774.8 | 776.6 | 778.5 | 779.4 | 779.3 | 779.2 | 779.1 | 779.0 | 778.8 |
| 135° | 828.8 | 830.2 | 831.5 | 832.9 | 834.3 | 835.0 | 835.3 | 835.5 | 835.7 | 835.9 | 835.9 |
| 137.5° | 883.2 | 884.5 | 885.8 | 887.1 | 888.4 | 889.3 | 889.8 | 890.3 | 890.8 | 891.3 | 891.5 |
| 140° | 918.0 | 919.1 | 920.3 | 921.4 | 922.5 | 923.4 | 924.1 | 924.8 | 925.4 | 926.1 | 926.6 |
| 142.5° | 952.9 | 953.8 | 954.8 | 955.7 | 956.7 | 957.6 | 958.4 | 959.3 | 960.1 | 961.0 | 961.2 |
| 145° | 1004.1 | 1005.0 | 1005.9 | 1006.8 | 1007.7 | 1008.5 | 1009.2 | 1009.9 | 1010.6 | 1011.2 | 1011.2 |
| 147.5° | 1051.6 | 1052.1 | 1052.6 | 1053.0 | 1053.5 | 1054.1 | 1054.6 | 1055.1 | 1055.7 | 1056.2 | 1056.8 |
| 150° | 1083.2 | 1083.0 | 1082.7 | 1082.5 | 1082.3 | 1082.6 | 1083.5 | 1084.4 | 1085.3 | 1086.2 | 1086.2 |
| 152.5° | 1109.1 | 1109.4 | 1109.7 | 1110.1 | 1110.4 | 1110.7 | 1111.1 | 1111.4 | 1111.8 | 1112.2 | 1112.7 |
| 155° | 1149.0 | 1149.0 | 1149.0 | 1149.0 | 1149.0 | 1149.1 | 1149.4 | 1149.6 | 1149.8 | 1150.1 | 1151.0 |
| 157.5° | 1184.7 | 1184.2 | 1183.7 | 1183.2 | 1182.7 | 1182.6 | 1182.8 | 1183.0 | 1183.3 | 1183.5 | 1184.4 |
| 160° | 1205.8 | 1205.1 | 1204.4 | 1203.8 | 1203.1 | 1202.9 | 1203.1 | 1203.3 | 1203.5 | 1203.8 | 1204.7 |
| 162.5° | 1224.4 | 1223.9 | 1223.4 | 1222.9 | 1222.4 | 1222.2 | 1222.3 | 1222.3 | 1222.4 | 1222.4 | 1223.5 |
| 165° | 1249.4 | 1248.9 | 1248.4 | 1248.0 | 1247.5 | 1247.4 | 1247.7 | 1247.9 | 1248.1 | 1248.3 | 1249.2 |
| 167.5° | 1270.4 | 1269.5 | 1268.6 | 1267.7 | 1266.8 | 1266.4 | 1266.4 | 1266.4 | 1266.4 | 1266.4 | 1267.7 |
| 170° | 1281.8 | 1280.9 | 1280.0 | 1279.1 | 1278.2 | 1277.7 | 1277.7 | 1277.7 | 1277.7 | 1277.7 | 1279.1 |
| 172.5° | 1289.9 | 1289.0 | 1288.1 | 1287.2 | 1286.3 | 1285.8 | 1285.8 | 1285.8 | 1285.8 | 1285.8 | 1287.2 |
| 175° | 1299.0 | 1298.1 | 1297.2 | 1296.3 | 1295.4 | 1294.9 | 1294.9 | 1294.9 | 1294.9 | 1294.9 | 1296.3 |
| 177.5° | 1303.7 | 1302.9 | 1302.2 | 1301.5 | 1300.8 | 1300.3 | 1300.1 | 1300.0 | 1299.8 | 1299.6 | 1300.7 |
| 180° | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 |



TEST NUMBER: P333711

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-F1

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° | 19.9 | 20.1 | 20.3 | 20.4 | 20.3 | 20.2 | 20.1 | 20.0 |
| 90° | 18.5 | 19.6 | 20.7 | 21.6 | 22.3 | 23.0 | 23.6 | 24.3 |
| 92.5° | 41.9 | 43.4 | 44.9 | 45.8 | 46.3 | 46.8 | 47.3 | 47.8 |
| 95° | 81.2 | 82.7 | 84.3 | 85.3 | 85.8 | 86.2 | 86.7 | 87.1 |
| 97.5° | 127.2 | 128.7 | 130.2 | 131.0 | 131.3 | 131.6 | 131.9 | 132.1 |
| 100° | 159.1 | 161.1 | 163.1 | 164.4 | 164.8 | 165.3 | 165.7 | 166.2 |
| 102.5° | 191.9 | 194.1 | 196.3 | 197.7 | 198.3 | 199.0 | 199.6 | 200.2 |
| 105° | 244.9 | 246.2 | 247.6 | 248.6 | 249.3 | 249.9 | 250.6 | 251.3 |
| 107.5° | 302.1 | 302.8 | 303.4 | 303.8 | 303.7 | 303.7 | 303.6 | 303.6 |
| 110° | 341.8 | 342.5 | 343.2 | 343.4 | 343.2 | 342.9 | 342.7 | 342.5 |



TEST NUMBER: P333711

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 381.6 | 381.9 | 382.2 | 382.2 | 381.8 | 381.4 | 381.0 | 380.6 |
| 115° | 442.3 | 442.1 | 441.9 | 441.7 | 441.4 | 441.2 | 441.0 | 440.8 |
| 117.5° | 503.1 | 503.3 | 503.5 | 503.1 | 502.2 | 501.3 | 500.4 | 499.5 |
| 120° | 544.1 | 544.1 | 544.1 | 543.7 | 542.8 | 541.9 | 541.0 | 540.1 |
| 122.5° | 584.3 | 584.1 | 583.9 | 583.5 | 582.8 | 582.0 | 581.3 | 580.6 |
| 125° | 643.5 | 643.1 | 642.6 | 642.3 | 642.1 | 641.8 | 641.6 | 641.4 |
| 127.5° | 702.3 | 702.1 | 701.9 | 701.6 | 701.1 | 700.7 | 700.2 | 699.8 |
| 130° | 741.3 | 741.0 | 740.8 | 740.5 | 740.0 | 739.6 | 739.1 | 738.7 |
| 132.5° | 778.5 | 778.3 | 778.1 | 777.7 | 777.0 | 776.4 | 775.8 | 775.1 |
| 135° | 835.9 | 835.9 | 835.9 | 835.5 | 834.6 | 833.7 | 832.8 | 831.9 |
| 137.5° | 891.8 | 892.1 | 892.3 | 891.9 | 890.8 | 889.7 | 888.5 | 887.4 |
| 140° | 927.0 | 927.5 | 927.9 | 927.6 | 926.5 | 925.3 | 924.2 | 923.1 |
| 142.5° | 961.5 | 961.8 | 962.1 | 961.6 | 960.5 | 959.4 | 958.3 | 957.1 |
| 145° | 1011.2 | 1011.2 | 1011.2 | 1010.9 | 1010.2 | 1009.5 | 1008.9 | 1008.2 |
| 147.5° | 1057.3 | 1057.8 | 1058.4 | 1057.9 | 1056.4 | 1054.8 | 1053.3 | 1051.8 |
| 150° | 1086.2 | 1086.2 | 1086.2 | 1086.0 | 1085.5 | 1085.1 | 1084.6 | 1084.2 |
| 152.5° | 1113.2 | 1113.8 | 1114.3 | 1114.2 | 1113.4 | 1112.6 | 1111.7 | 1110.9 |
| 155° | 1151.9 | 1152.8 | 1153.7 | 1153.5 | 1152.4 | 1151.3 | 1150.2 | 1149.0 |
| 157.5° | 1185.3 | 1186.2 | 1187.1 | 1186.8 | 1185.3 | 1183.8 | 1182.3 | 1180.9 |
| 160° | 1205.6 | 1206.5 | 1207.4 | 1207.2 | 1206.1 | 1205.0 | 1203.9 | 1202.7 |
| 162.5° | 1224.6 | 1225.6 | 1226.7 | 1226.6 | 1225.3 | 1224.0 | 1222.7 | 1221.4 |
| 165° | 1250.1 | 1251.0 | 1251.9 | 1251.7 | 1250.4 | 1249.0 | 1247.7 | 1246.3 |
| 167.5° | 1269.1 | 1270.4 | 1271.8 | 1271.8 | 1270.4 | 1269.0 | 1267.6 | 1266.2 |
| 170° | 1280.4 | 1281.8 | 1283.1 | 1283.0 | 1281.4 | 1279.9 | 1278.3 | 1276.7 |
| 172.5° | 1288.5 | 1289.9 | 1291.2 | 1291.2 | 1289.8 | 1288.4 | 1287.0 | 1285.6 |
| 175° | 1297.6 | 1299.0 | 1300.4 | 1300.2 | 1298.7 | 1297.1 | 1295.5 | 1293.9 |
| 177.5° | 1301.8 | 1302.9 | 1303.9 | 1303.8 | 1302.6 | 1301.3 | 1300.1 | 1298.8 |
| 180° | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 | 1302.0 |

(END OF REPORT)