

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: P333607-840

Luminaire Tested: **S125RDIP-S1090D1205U840-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333607-840
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: S125RDIP-S1090D1205U840-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9129.4 lumens
Efficiency: N/A
Efficacy: 139.6 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

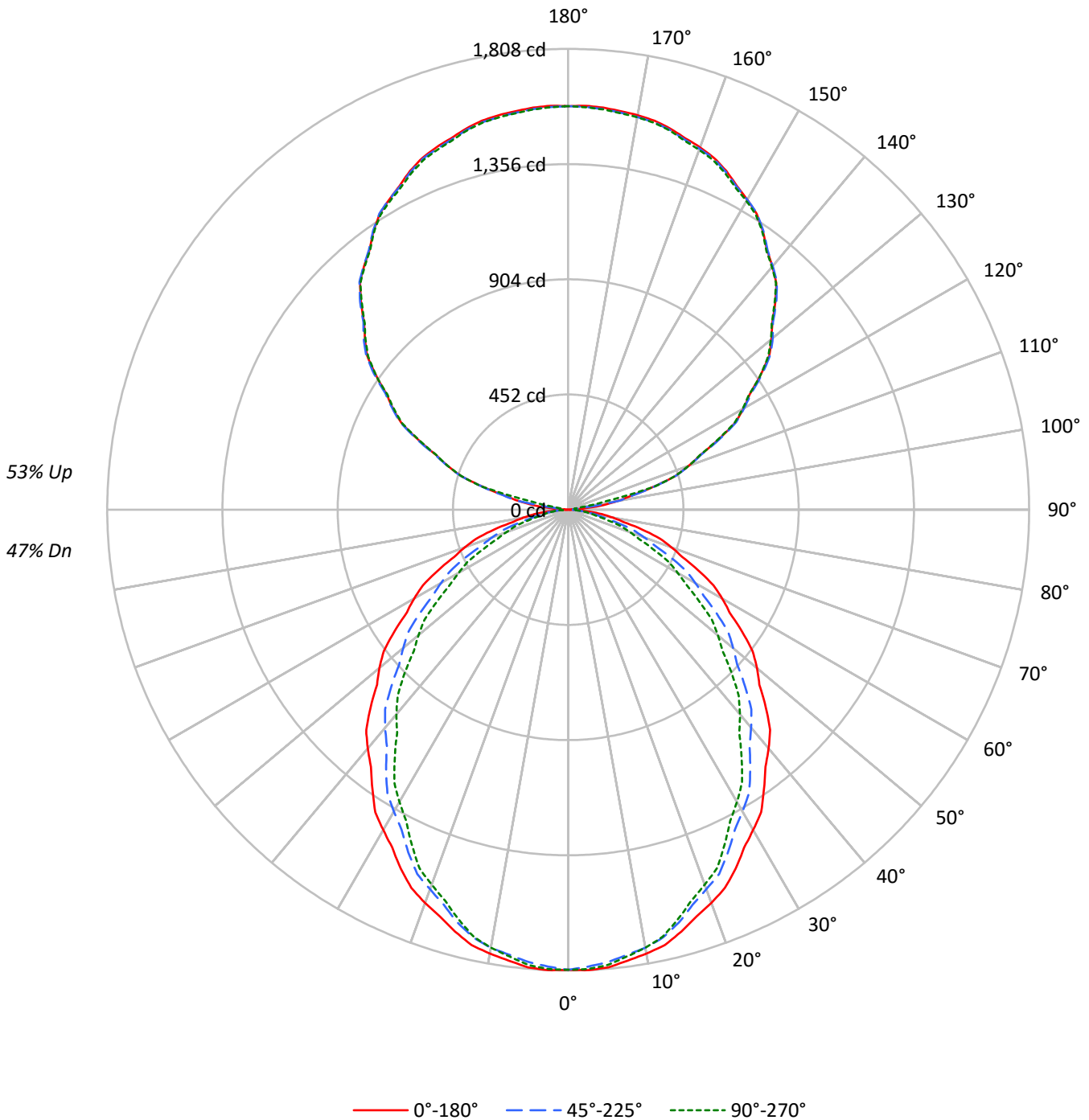
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333607-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333607-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-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 | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | | 67 | 67 | 67 | | 53 | 53 | 53 | 47 |
| 1 | 97 | 93 | 89 | 86 | 89 | 86 | 82 | 79 | 72 | 69 | 67 | | 59 | 57 | 56 | | 47 | 46 | 45 | 40 |
| 2 | 89 | 81 | 75 | 70 | 81 | 75 | 70 | 66 | 63 | 59 | 56 | | 52 | 49 | 47 | | 42 | 40 | 38 | 34 |
| 3 | 81 | 72 | 65 | 59 | 74 | 66 | 60 | 55 | 56 | 51 | 47 | | 46 | 43 | 40 | | 37 | 35 | 33 | 29 |
| 4 | 74 | 64 | 56 | 50 | 68 | 59 | 52 | 47 | 50 | 45 | 40 | | 41 | 37 | 34 | | 33 | 31 | 28 | 25 |
| 5 | 68 | 57 | 49 | 43 | 62 | 52 | 45 | 40 | 45 | 39 | 35 | | 37 | 33 | 30 | | 30 | 27 | 25 | 22 |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 40 | 35 | 31 | | 34 | 29 | 26 | | 27 | 24 | 22 | 19 |
| 7 | 58 | 46 | 38 | 33 | 53 | 43 | 36 | 31 | 36 | 31 | 27 | | 31 | 26 | 23 | | 25 | 22 | 20 | 17 |
| 8 | 54 | 42 | 34 | 29 | 49 | 39 | 32 | 27 | 33 | 28 | 24 | | 28 | 24 | 21 | | 23 | 20 | 18 | 15 |
| 9 | 50 | 38 | 31 | 26 | 46 | 36 | 29 | 24 | 30 | 25 | 21 | | 26 | 22 | 19 | | 21 | 18 | 16 | 14 |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 19 | | 24 | 20 | 17 | | 20 | 17 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11657 | 11657 | 11657 |
| 5° | 11684 | 11551 | 11622 |
| 10° | 11596 | 11444 | 11444 |
| 15° | 11457 | 11212 | 11120 |
| 20° | 11281 | 10888 | 10757 |
| 25° | 11075 | 10570 | 10337 |
| 30° | 10818 | 10197 | 9871 |
| 35° | 10555 | 9813 | 9351 |
| 40° | 10309 | 9413 | 8838 |
| 45° | 10011 | 8965 | 8280 |
| 50° | 9711 | 8478 | 7698 |
| 55° | 9364 | 8014 | 7076 |
| 60° | 9016 | 7448 | 6409 |
| 65° | 8604 | 6791 | 5645 |
| 70° | 8135 | 5973 | 4864 |
| 75° | 7483 | 5036 | 4047 |
| 80° | 6590 | 3954 | 3396 |
| 85° | 5550 | 3231 | 3031 |



TEST NUMBER: P333607-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 169.7 | 1.9 |
| 10°-20° | 474.3 | 5.2 |
| 20°-30° | 687.8 | 7.5 |
| 30°-40° | 783.9 | 8.6 |
| 40°-50° | 764.1 | 8.4 |
| 50°-60° | 643.2 | 7.0 |
| 60°-70° | 450.9 | 4.9 |
| 70°-80° | 231.8 | 2.5 |
| 80°-90° | 61.8 | 0.7 |
| 90°-100° | 57.5 | 0.6 |
| 100°-110° | 354.6 | 3.9 |
| 110°-120° | 643.1 | 7.0 |
| 120°-130° | 825.3 | 9.0 |
| 130°-140° | 887.7 | 9.7 |
| 140°-150° | 833.2 | 9.1 |
| 150°-160° | 674.0 | 7.4 |
| 160°-170° | 435.9 | 4.8 |
| 170°-180° | 150.4 | 1.6 |
| 0°-30° | 1331.9 | 14.6 |
| 0°-40° | 2115.8 | 23.2 |
| 0°-60° | 3523.1 | 38.6 |
| 0°-90° | 4267.5 | 46.7 |
| 90°-120° | 1055.2 | 11.6 |
| 90°-150° | 3601.6 | 39.5 |
| 90°-180° | 4862.0 | 53.3 |
| 0°-180° | 9129.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1805 | 1805 | 1805 | 1805 | 1805 | |
| 5° | 1802 | 1796 | 1782 | 1794 | 1793 | 171 |
| 15° | 1714 | 1704 | 1677 | 1675 | 1663 | 483 |
| 25° | 1554 | 1532 | 1483 | 1466 | 1451 | 715 |
| 35° | 1339 | 1304 | 1245 | 1206 | 1186 | 838 |
| 45° | 1096 | 1055 | 982 | 929 | 907 | 845 |
| 55° | 832 | 786 | 712 | 652 | 628 | 744 |
| 65° | 563 | 515 | 444 | 392 | 369 | 558 |
| 75° | 300 | 258 | 202 | 173 | 162 | 317 |
| 85° | 75 | 51 | 44 | 42 | 41 | 84 |
| 90° | 1 | 10 | 19 | 24 | 28 | 6 |
| 95° | 67 | 61 | 19 | 24 | 25 | 85 |
| 105° | 345 | 349 | 350 | 350 | 349 | 366 |
| 115° | 648 | 654 | 655 | 650 | 643 | 642 |
| 125° | 921 | 929 | 930 | 925 | 921 | 823 |
| 135° | 1149 | 1156 | 1154 | 1151 | 1144 | 885 |
| 145° | 1332 | 1334 | 1334 | 1335 | 1329 | 833 |
| 155° | 1467 | 1461 | 1462 | 1465 | 1456 | 676 |
| 165° | 1548 | 1542 | 1542 | 1548 | 1540 | 437 |
| 175° | 1583 | 1577 | 1577 | 1586 | 1576 | 151 |
| 180° | 1583 | 1583 | 1583 | 1583 | 1583 | |



TEST NUMBER: P333607-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1805.0 | 1805.0 | 1805.0 | 1805.0 | 1805.0 | 1805.0 | 1805.0 | 1805.0 | 1805.0 | 1805.0 | 1805.0 |
| 2.5° | 1808.3 | 1807.6 | 1806.9 | 1806.0 | 1805.3 | 1803.8 | 1801.4 | 1799.0 | 1796.5 | 1794.1 | 1796.5 |
| 5° | 1802.3 | 1801.1 | 1799.9 | 1798.7 | 1797.5 | 1795.1 | 1791.8 | 1788.5 | 1785.1 | 1781.8 | 1784.8 |
| 7.5° | 1784.5 | 1783.4 | 1782.2 | 1781.1 | 1779.9 | 1777.4 | 1773.3 | 1769.4 | 1765.3 | 1761.4 | 1763.5 |
| 10° | 1768.2 | 1767.3 | 1766.4 | 1765.4 | 1764.5 | 1762.0 | 1757.8 | 1753.5 | 1749.3 | 1745.0 | 1746.0 |
| 12.5° | 1749.6 | 1748.5 | 1747.4 | 1746.2 | 1745.0 | 1741.6 | 1736.0 | 1730.2 | 1724.5 | 1718.8 | 1719.5 |
| 15° | 1713.6 | 1711.8 | 1710.0 | 1708.2 | 1706.4 | 1702.3 | 1696.0 | 1689.6 | 1683.2 | 1676.9 | 1676.6 |
| 17.5° | 1673.0 | 1670.2 | 1667.5 | 1664.7 | 1661.8 | 1656.5 | 1648.5 | 1640.5 | 1632.4 | 1624.5 | 1623.0 |
| 20° | 1641.4 | 1638.4 | 1635.4 | 1632.3 | 1629.3 | 1623.0 | 1613.3 | 1603.6 | 1593.9 | 1584.2 | 1582.7 |
| 22.5° | 1606.5 | 1603.5 | 1600.4 | 1597.4 | 1594.4 | 1587.8 | 1577.6 | 1567.4 | 1557.2 | 1547.0 | 1544.1 |
| 25° | 1554.2 | 1549.6 | 1545.1 | 1540.5 | 1536.0 | 1528.1 | 1516.9 | 1505.7 | 1494.5 | 1483.3 | 1479.4 |
| 27.5° | 1494.2 | 1488.6 | 1483.1 | 1477.6 | 1472.1 | 1463.4 | 1451.4 | 1439.4 | 1427.3 | 1415.3 | 1409.9 |
| 30° | 1450.6 | 1444.8 | 1439.1 | 1433.3 | 1427.5 | 1418.3 | 1405.5 | 1392.8 | 1380.1 | 1367.4 | 1360.4 |
| 32.5° | 1408.0 | 1401.3 | 1394.5 | 1387.9 | 1381.1 | 1371.3 | 1358.3 | 1345.3 | 1332.3 | 1319.4 | 1311.7 |
| 35° | 1338.8 | 1331.5 | 1324.2 | 1317.0 | 1309.7 | 1299.2 | 1285.6 | 1271.9 | 1258.3 | 1244.7 | 1235.9 |
| 37.5° | 1270.8 | 1262.0 | 1253.1 | 1244.4 | 1235.5 | 1224.1 | 1209.9 | 1195.9 | 1181.8 | 1167.8 | 1157.2 |
| 40° | 1222.8 | 1213.8 | 1204.7 | 1195.6 | 1186.5 | 1174.7 | 1160.1 | 1145.6 | 1131.0 | 1116.5 | 1105.0 |
| 42.5° | 1172.7 | 1163.4 | 1154.1 | 1144.7 | 1135.4 | 1123.2 | 1108.1 | 1093.2 | 1078.1 | 1063.1 | 1052.1 |
| 45° | 1096.1 | 1087.3 | 1078.5 | 1069.8 | 1061.0 | 1048.2 | 1031.6 | 1014.9 | 998.3 | 981.6 | 969.5 |
| 47.5° | 1016.7 | 1007.4 | 998.2 | 989.0 | 979.7 | 966.6 | 949.9 | 933.0 | 916.3 | 899.5 | 887.0 |
| 50° | 966.5 | 956.5 | 946.5 | 936.5 | 926.6 | 912.9 | 895.6 | 878.4 | 861.1 | 843.8 | 831.1 |
| 52.5° | 912.0 | 901.8 | 891.5 | 881.3 | 871.1 | 857.8 | 841.5 | 825.2 | 808.9 | 792.6 | 778.9 |
| 55° | 831.6 | 821.9 | 812.2 | 802.5 | 792.8 | 779.5 | 762.5 | 745.6 | 728.6 | 711.7 | 698.0 |
| 57.5° | 750.3 | 740.0 | 729.6 | 719.2 | 708.9 | 695.6 | 679.2 | 662.9 | 646.5 | 630.2 | 616.8 |
| 60° | 698.0 | 687.4 | 676.8 | 666.2 | 655.6 | 642.1 | 625.7 | 609.4 | 593.0 | 576.6 | 563.3 |
| 62.5° | 642.4 | 632.3 | 622.2 | 612.0 | 601.9 | 588.5 | 572.0 | 555.3 | 538.8 | 522.1 | 509.8 |
| 65° | 563.0 | 552.7 | 542.4 | 532.1 | 521.8 | 508.7 | 492.6 | 476.6 | 460.5 | 444.4 | 432.3 |
| 67.5° | 484.2 | 473.9 | 463.6 | 453.3 | 443.0 | 430.2 | 414.8 | 399.4 | 384.1 | 368.6 | 357.6 |
| 70° | 430.8 | 420.5 | 410.2 | 399.9 | 389.6 | 376.9 | 361.7 | 346.6 | 331.4 | 316.3 | 306.9 |
| 72.5° | 378.5 | 368.4 | 358.3 | 348.3 | 338.2 | 326.1 | 311.9 | 297.7 | 283.6 | 269.4 | 260.7 |
| 75° | 299.9 | 290.8 | 281.8 | 272.7 | 263.6 | 252.7 | 239.9 | 227.2 | 214.5 | 201.8 | 195.1 |
| 77.5° | 222.0 | 214.7 | 207.4 | 200.2 | 192.9 | 184.1 | 174.0 | 163.8 | 153.6 | 143.4 | 138.8 |
| 80° | 177.2 | 170.0 | 162.7 | 155.4 | 148.1 | 140.3 | 131.8 | 123.3 | 114.8 | 106.3 | 103.6 |
| 82.5° | 133.6 | 127.0 | 120.5 | 114.0 | 107.4 | 101.3 | 95.4 | 89.6 | 83.8 | 78.0 | 76.7 |
| 85° | 74.9 | 69.5 | 64.0 | 58.6 | 53.1 | 49.7 | 48.2 | 46.7 | 45.1 | 43.6 | 43.3 |
| 87.5° | 25.3 | 24.0 | 22.7 | 21.5 | 20.2 | 19.6 | 19.8 | 19.9 | 20.0 | 20.1 | 20.4 |
| 90° | 1.2 | 3.2 | 5.4 | 7.5 | 9.5 | 11.5 | 13.3 | 15.1 | 17.0 | 18.8 | 20.1 |
| 92.5° | 18.1 | 16.7 | 15.1 | 13.7 | 12.2 | 12.3 | 13.9 | 15.6 | 17.2 | 18.8 | 20.1 |
| 95° | 66.9 | 66.1 | 65.3 | 64.5 | 63.7 | 58.5 | 48.5 | 38.6 | 28.7 | 18.8 | 20.1 |
| 97.5° | 139.7 | 141.1 | 142.5 | 143.9 | 145.3 | 136.2 | 116.5 | 96.9 | 77.4 | 57.8 | 50.4 |
| 100° | 196.0 | 196.8 | 197.5 | 198.3 | 199.1 | 200.1 | 201.1 | 202.2 | 203.2 | 204.2 | 165.3 |
| 102.5° | 253.3 | 254.3 | 255.3 | 256.2 | 257.2 | 258.0 | 258.6 | 259.3 | 259.9 | 260.5 | 253.2 |
| 105° | 345.1 | 346.1 | 347.1 | 348.2 | 349.2 | 349.7 | 349.7 | 349.7 | 349.7 | 349.7 | 349.7 |
| 107.5° | 440.4 | 440.4 | 440.4 | 440.4 | 440.4 | 440.6 | 441.1 | 441.6 | 442.2 | 442.7 | 442.7 |
| 110° | 502.3 | 502.3 | 502.3 | 502.3 | 502.3 | 502.6 | 503.1 | 503.6 | 504.1 | 504.6 | 503.9 |



TEST NUMBER: P333607-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 560.6 | 561.2 | 561.8 | 562.4 | 563.0 | 563.5 | 563.8 | 564.1 | 564.4 | 564.7 | 563.8 |
| 115° | 647.8 | 649.1 | 650.5 | 651.8 | 653.1 | 653.9 | 654.1 | 654.4 | 654.6 | 654.9 | 653.9 |
| 117.5° | 738.2 | 738.2 | 738.1 | 738.1 | 738.0 | 738.5 | 739.5 | 740.4 | 741.4 | 742.5 | 741.1 |
| 120° | 794.6 | 794.3 | 794.1 | 793.8 | 793.6 | 793.8 | 794.6 | 795.4 | 796.1 | 796.9 | 796.4 |
| 122.5° | 844.3 | 845.4 | 846.3 | 847.3 | 848.3 | 849.0 | 849.3 | 849.7 | 850.1 | 850.4 | 849.9 |
| 125° | 921.3 | 923.1 | 924.9 | 926.8 | 928.6 | 929.5 | 929.5 | 929.5 | 929.5 | 929.5 | 928.5 |
| 127.5° | 994.8 | 996.1 | 997.3 | 998.7 | 1000.0 | 1000.6 | 1000.4 | 1000.3 | 1000.1 | 1000.0 | 999.4 |
| 130° | 1039.9 | 1041.2 | 1042.5 | 1043.8 | 1045.1 | 1045.8 | 1046.1 | 1046.4 | 1046.6 | 1046.9 | 1046.1 |
| 132.5° | 1084.9 | 1086.4 | 1087.9 | 1089.4 | 1091.0 | 1091.5 | 1090.9 | 1090.3 | 1089.7 | 1089.1 | 1089.0 |
| 135° | 1149.0 | 1150.5 | 1152.2 | 1153.7 | 1155.3 | 1155.8 | 1155.3 | 1154.8 | 1154.2 | 1153.7 | 1153.2 |
| 137.5° | 1207.9 | 1209.3 | 1210.6 | 1211.9 | 1213.4 | 1213.8 | 1213.4 | 1212.8 | 1212.3 | 1211.9 | 1212.0 |
| 140° | 1246.4 | 1247.0 | 1247.5 | 1248.0 | 1248.5 | 1248.6 | 1248.4 | 1248.1 | 1247.9 | 1247.6 | 1248.1 |
| 142.5° | 1281.1 | 1281.4 | 1281.8 | 1282.1 | 1282.4 | 1282.7 | 1283.1 | 1283.4 | 1283.8 | 1284.2 | 1284.3 |
| 145° | 1332.1 | 1332.6 | 1333.1 | 1333.6 | 1334.1 | 1334.4 | 1334.4 | 1334.4 | 1334.4 | 1334.4 | 1334.7 |
| 147.5° | 1376.6 | 1376.5 | 1376.4 | 1376.3 | 1376.2 | 1376.3 | 1376.6 | 1377.0 | 1377.4 | 1377.7 | 1378.0 |
| 150° | 1404.8 | 1404.3 | 1403.8 | 1403.3 | 1402.8 | 1402.8 | 1403.3 | 1403.8 | 1404.3 | 1404.8 | 1405.3 |
| 152.5° | 1432.1 | 1431.0 | 1429.8 | 1428.7 | 1427.4 | 1427.1 | 1427.7 | 1428.3 | 1428.8 | 1429.3 | 1429.8 |
| 155° | 1467.0 | 1465.5 | 1463.9 | 1462.4 | 1460.8 | 1460.3 | 1460.8 | 1461.3 | 1461.9 | 1462.4 | 1463.2 |
| 157.5° | 1494.1 | 1493.1 | 1492.2 | 1491.3 | 1490.3 | 1489.9 | 1490.0 | 1490.0 | 1490.1 | 1490.1 | 1490.9 |
| 160° | 1512.9 | 1511.3 | 1509.7 | 1508.1 | 1506.6 | 1505.9 | 1506.2 | 1506.4 | 1506.7 | 1506.9 | 1508.0 |
| 162.5° | 1527.8 | 1526.3 | 1524.7 | 1523.2 | 1521.6 | 1521.0 | 1521.2 | 1521.5 | 1521.8 | 1522.0 | 1523.5 |
| 165° | 1548.0 | 1546.5 | 1544.9 | 1543.4 | 1541.8 | 1541.2 | 1541.4 | 1541.7 | 1541.9 | 1542.2 | 1543.8 |
| 167.5° | 1563.1 | 1561.5 | 1559.8 | 1558.2 | 1556.6 | 1555.9 | 1556.2 | 1556.4 | 1556.7 | 1557.0 | 1558.8 |
| 170° | 1571.6 | 1569.7 | 1567.8 | 1566.0 | 1564.2 | 1563.5 | 1563.7 | 1564.0 | 1564.2 | 1564.5 | 1566.6 |
| 172.5° | 1577.1 | 1575.3 | 1573.5 | 1571.7 | 1569.8 | 1569.1 | 1569.6 | 1570.1 | 1570.5 | 1571.0 | 1573.0 |
| 175° | 1583.3 | 1581.7 | 1580.1 | 1578.5 | 1577.0 | 1576.3 | 1576.6 | 1576.9 | 1577.1 | 1577.4 | 1579.4 |
| 177.5° | 1586.1 | 1584.8 | 1583.6 | 1582.4 | 1581.0 | 1580.5 | 1580.7 | 1580.9 | 1581.1 | 1581.3 | 1582.9 |
| 180° | 1583.3 | 1583.3 | 1583.3 | 1583.3 | 1583.3 | 1583.3 | 1583.3 | 1583.3 | 1583.3 | 1583.3 | 1583.3 |



TEST NUMBER: P333607-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1805.0 | 1805.0 | 1805.0 | 1805.0 | 1805.0 | 1805.0 | 1805.0 | 1805.0 |
| 2.5° | 1799.0 | 1801.4 | 1803.8 | 1804.8 | 1804.6 | 1804.4 | 1804.1 | 1803.9 |
| 5° | 1787.9 | 1790.9 | 1793.9 | 1795.1 | 1794.5 | 1793.9 | 1793.3 | 1792.7 |
| 7.5° | 1765.6 | 1767.8 | 1769.9 | 1770.6 | 1769.9 | 1769.3 | 1768.6 | 1767.9 |
| 10° | 1746.9 | 1747.8 | 1748.7 | 1748.7 | 1747.8 | 1746.9 | 1746.0 | 1745.0 |
| 12.5° | 1720.2 | 1720.8 | 1721.5 | 1721.1 | 1719.7 | 1718.4 | 1717.0 | 1715.6 |
| 15° | 1676.3 | 1676.0 | 1675.7 | 1674.2 | 1671.4 | 1668.7 | 1666.0 | 1663.2 |
| 17.5° | 1621.4 | 1619.9 | 1618.4 | 1616.6 | 1614.3 | 1612.0 | 1609.8 | 1607.6 |
| 20° | 1581.1 | 1579.6 | 1578.1 | 1576.0 | 1573.3 | 1570.5 | 1567.8 | 1565.1 |
| 22.5° | 1541.2 | 1538.1 | 1535.2 | 1532.6 | 1530.3 | 1528.1 | 1525.8 | 1523.6 |
| 25° | 1475.4 | 1471.5 | 1467.5 | 1463.9 | 1460.6 | 1457.2 | 1453.9 | 1450.6 |
| 27.5° | 1404.3 | 1398.9 | 1393.3 | 1389.0 | 1385.7 | 1382.5 | 1379.3 | 1376.1 |
| 30° | 1353.4 | 1346.5 | 1339.5 | 1334.6 | 1331.9 | 1329.2 | 1326.5 | 1323.7 |
| 32.5° | 1304.0 | 1296.3 | 1288.6 | 1283.0 | 1279.6 | 1276.2 | 1272.6 | 1269.2 |
| 35° | 1227.1 | 1218.3 | 1209.5 | 1203.1 | 1198.8 | 1194.6 | 1190.3 | 1186.1 |
| 37.5° | 1146.7 | 1136.2 | 1125.6 | 1118.3 | 1114.2 | 1110.0 | 1105.9 | 1101.8 |
| 40° | 1093.5 | 1082.0 | 1070.5 | 1062.9 | 1059.2 | 1055.6 | 1052.0 | 1048.3 |
| 42.5° | 1041.1 | 1030.0 | 1019.0 | 1010.8 | 1005.4 | 1000.2 | 994.8 | 989.5 |
| 45° | 957.4 | 945.2 | 933.1 | 924.7 | 920.2 | 915.6 | 911.1 | 906.6 |
| 47.5° | 874.5 | 862.0 | 849.6 | 840.8 | 835.8 | 830.7 | 825.8 | 820.7 |
| 50° | 818.4 | 805.7 | 792.9 | 784.4 | 779.8 | 775.3 | 770.7 | 766.2 |
| 52.5° | 765.3 | 751.5 | 737.8 | 728.7 | 724.2 | 719.6 | 715.1 | 710.5 |
| 55° | 684.4 | 670.8 | 657.1 | 647.8 | 643.0 | 638.1 | 633.3 | 628.4 |
| 57.5° | 603.5 | 590.2 | 576.8 | 567.9 | 563.7 | 559.4 | 555.0 | 550.8 |
| 60° | 550.0 | 536.6 | 523.3 | 514.4 | 509.9 | 505.3 | 500.8 | 496.2 |
| 62.5° | 497.5 | 485.0 | 472.7 | 464.2 | 459.7 | 455.1 | 450.6 | 446.1 |
| 65° | 420.2 | 408.1 | 396.0 | 387.6 | 383.0 | 378.5 | 374.0 | 369.4 |
| 67.5° | 346.5 | 335.4 | 324.3 | 316.9 | 313.3 | 309.6 | 306.0 | 302.4 |
| 70° | 297.5 | 288.1 | 278.7 | 272.2 | 268.5 | 264.9 | 261.3 | 257.6 |
| 72.5° | 252.1 | 243.4 | 234.7 | 229.1 | 226.7 | 224.3 | 221.9 | 219.4 |
| 75° | 188.4 | 181.8 | 175.1 | 170.7 | 168.5 | 166.4 | 164.3 | 162.2 |
| 77.5° | 134.1 | 129.5 | 124.7 | 121.6 | 120.1 | 118.5 | 116.9 | 115.3 |
| 80° | 100.9 | 98.2 | 95.4 | 93.7 | 93.1 | 92.5 | 91.9 | 91.3 |
| 82.5° | 75.4 | 74.1 | 72.9 | 72.1 | 71.7 | 71.3 | 71.0 | 70.6 |
| 85° | 43.0 | 42.7 | 42.4 | 42.1 | 41.8 | 41.5 | 41.2 | 40.9 |
| 87.5° | 20.6 | 20.9 | 21.2 | 21.2 | 21.2 | 21.1 | 21.0 | 20.9 |
| 90° | 21.4 | 22.7 | 24.0 | 25.0 | 25.9 | 26.6 | 27.4 | 28.2 |
| 92.5° | 21.4 | 22.7 | 24.0 | 24.8 | 25.1 | 25.5 | 26.0 | 26.3 |
| 95° | 21.4 | 22.7 | 24.0 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 |
| 97.5° | 43.0 | 35.6 | 28.3 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 |
| 100° | 126.5 | 87.7 | 48.8 | 28.8 | 27.8 | 26.8 | 25.7 | 24.6 |
| 102.5° | 245.8 | 238.5 | 231.2 | 218.6 | 200.9 | 183.1 | 165.4 | 147.6 |
| 105° | 349.7 | 349.7 | 349.7 | 349.6 | 349.3 | 349.1 | 348.8 | 348.6 |
| 107.5° | 442.8 | 442.8 | 442.9 | 442.5 | 441.7 | 441.0 | 440.2 | 439.4 |
| 110° | 503.1 | 502.3 | 501.5 | 501.3 | 501.5 | 501.8 | 502.1 | 502.3 |



TEST NUMBER: P333607-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 562.8 | 561.8 | 560.8 | 560.1 | 559.8 | 559.4 | 559.1 | 558.7 |
| 115° | 652.8 | 651.8 | 650.8 | 649.4 | 647.8 | 646.3 | 644.7 | 643.2 |
| 117.5° | 739.7 | 738.4 | 737.0 | 736.0 | 735.3 | 734.7 | 734.0 | 733.3 |
| 120° | 795.9 | 795.4 | 794.9 | 794.0 | 792.6 | 791.3 | 790.0 | 788.7 |
| 122.5° | 849.4 | 848.9 | 848.4 | 847.3 | 845.8 | 844.2 | 842.8 | 841.3 |
| 125° | 927.5 | 926.3 | 925.3 | 924.4 | 923.6 | 922.9 | 922.1 | 921.3 |
| 127.5° | 998.8 | 998.3 | 997.6 | 996.4 | 994.5 | 992.5 | 990.6 | 988.7 |
| 130° | 1045.3 | 1044.5 | 1043.8 | 1042.7 | 1041.4 | 1040.2 | 1038.8 | 1037.5 |
| 132.5° | 1088.8 | 1088.6 | 1088.5 | 1087.8 | 1086.5 | 1085.2 | 1083.9 | 1082.6 |
| 135° | 1152.7 | 1152.2 | 1151.7 | 1150.5 | 1149.0 | 1147.4 | 1145.9 | 1144.3 |
| 137.5° | 1212.1 | 1212.2 | 1212.3 | 1211.7 | 1210.3 | 1209.0 | 1207.6 | 1206.3 |
| 140° | 1248.6 | 1249.1 | 1249.7 | 1249.1 | 1247.6 | 1246.1 | 1244.5 | 1242.9 |
| 142.5° | 1284.4 | 1284.5 | 1284.6 | 1283.9 | 1282.3 | 1280.8 | 1279.2 | 1277.7 |
| 145° | 1334.9 | 1335.2 | 1335.4 | 1334.8 | 1333.2 | 1331.7 | 1330.1 | 1328.6 |
| 147.5° | 1378.3 | 1378.6 | 1378.9 | 1378.1 | 1376.2 | 1374.3 | 1372.5 | 1370.6 |
| 150° | 1405.9 | 1406.4 | 1406.9 | 1406.1 | 1404.1 | 1402.0 | 1399.9 | 1397.9 |
| 152.5° | 1430.3 | 1430.9 | 1431.4 | 1430.7 | 1428.8 | 1426.9 | 1425.0 | 1423.2 |
| 155° | 1463.9 | 1464.7 | 1465.5 | 1464.8 | 1462.8 | 1460.7 | 1458.5 | 1456.5 |
| 157.5° | 1491.8 | 1492.6 | 1493.4 | 1492.8 | 1490.7 | 1488.6 | 1486.5 | 1484.4 |
| 160° | 1509.0 | 1510.1 | 1511.2 | 1510.7 | 1508.5 | 1506.4 | 1504.4 | 1502.3 |
| 162.5° | 1524.9 | 1526.4 | 1527.8 | 1527.4 | 1525.1 | 1522.8 | 1520.6 | 1518.2 |
| 165° | 1545.3 | 1546.9 | 1548.4 | 1548.1 | 1546.1 | 1544.0 | 1541.9 | 1539.8 |
| 167.5° | 1560.7 | 1562.6 | 1564.5 | 1564.3 | 1561.9 | 1559.5 | 1557.2 | 1554.9 |
| 170° | 1568.6 | 1570.7 | 1572.9 | 1572.7 | 1570.3 | 1568.0 | 1565.7 | 1563.3 |
| 172.5° | 1574.8 | 1576.7 | 1578.5 | 1578.3 | 1576.0 | 1573.7 | 1571.2 | 1568.9 |
| 175° | 1581.5 | 1583.7 | 1585.7 | 1585.6 | 1583.3 | 1580.9 | 1578.5 | 1576.2 |
| 177.5° | 1584.3 | 1585.8 | 1587.2 | 1587.1 | 1585.5 | 1583.8 | 1582.1 | 1580.4 |
| 180° | 1583.3 | 1583.3 | 1583.3 | 1583.3 | 1583.3 | 1583.3 | 1583.3 | 1583.3 |

(END OF REPORT)