

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: P334373

Luminaire Tested: **S125RDW-S1090D830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-32)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDW-S1090D830-4F0-1E-UDD-A
Description: DEFINE 5 REGRESSED DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 1090 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3792.9 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.21 / 1.48
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Direct

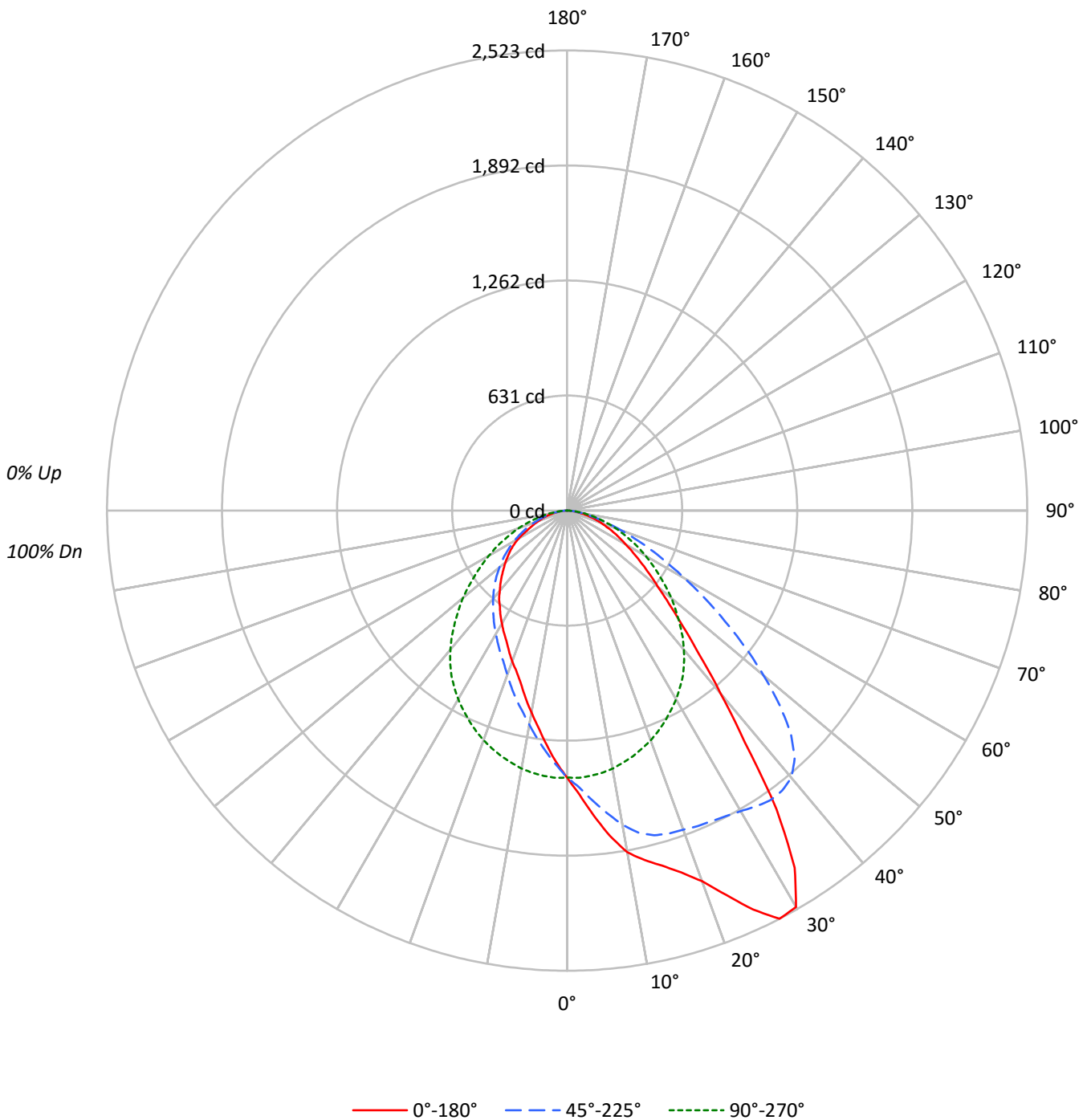
Input Watts (W): 34.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P334373

CATALOG NUMBER: S125RDW-S1090D830-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P334373

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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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 110 | 106 | 102 | 98 | 107 | 103 | 100 | 97 | 99 | 96 | 94 | 95 | 93 | 91 | 92 | 90 | 88 | 86 |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 78 | 75 | 73 |
| 3 | 92 | 83 | 75 | 69 | 90 | 81 | 74 | 69 | 78 | 72 | 67 | 76 | 70 | 66 | 73 | 69 | 65 | 63 |
| 4 | 85 | 74 | 66 | 59 | 83 | 73 | 65 | 59 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 55 |
| 5 | 79 | 66 | 58 | 52 | 77 | 65 | 57 | 51 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 48 |
| 6 | 73 | 60 | 52 | 45 | 71 | 59 | 51 | 45 | 57 | 50 | 45 | 56 | 49 | 44 | 54 | 49 | 44 | 42 |
| 7 | 68 | 55 | 46 | 40 | 66 | 54 | 46 | 40 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 39 | 37 |
| 8 | 63 | 50 | 42 | 36 | 61 | 49 | 42 | 36 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 34 |
| 9 | 59 | 46 | 38 | 33 | 58 | 45 | 38 | 33 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 |
| 10 | 55 | 42 | 35 | 30 | 54 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 29 | 39 | 33 | 29 | 28 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|------|------|
| 0° | 9454 | 9454 | 9454 |
| 5° | 10878 | 9467 | 8360 |
| 10° | 12477 | 9419 | 7378 |
| 15° | 13477 | 9322 | 6558 |
| 20° | 14860 | 9210 | 6055 |
| 25° | 17198 | 9061 | 5618 |
| 30° | 18715 | 8905 | 5333 |
| 35° | 15787 | 8723 | 5070 |
| 40° | 11025 | 8395 | 4843 |
| 45° | 8178 | 7953 | 4622 |
| 50° | 6521 | 7493 | 4432 |
| 55° | 5535 | 6923 | 4263 |
| 60° | 4782 | 6412 | 3990 |
| 65° | 4261 | 5859 | 3435 |
| 70° | 3744 | 5367 | 3133 |
| 75° | 3239 | 4649 | 2939 |
| 80° | 2458 | 3913 | 2458 |
| 85° | 2045 | 3075 | 2312 |



TEST NUMBER: P334373

CATALOG NUMBER: S125RDW-S1090D830-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 140.4 | 3.7 |
| 10°-20° | 411.6 | 10.9 |
| 20°-30° | 652.6 | 17.2 |
| 30°-40° | 788.6 | 20.8 |
| 40°-50° | 702.2 | 18.5 |
| 50°-60° | 538.4 | 14.2 |
| 60°-70° | 349.7 | 9.2 |
| 70°-80° | 169.7 | 4.5 |
| 80°-90° | 39.9 | 1.1 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1204.5 | 31.8 |
| 0°-40° | 1993.1 | 52.5 |
| 0°-60° | 3233.7 | 85.3 |
| 0°-90° | 3792.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3792.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1464 | 1464 | 1464 | 1464 | 1464 | |
| 5° | 1678 | 1595 | 1460 | 1327 | 1290 | 167 |
| 15° | 2016 | 1843 | 1394 | 1074 | 981 | 577 |
| 25° | 2413 | 1878 | 1272 | 865 | 788 | 1111 |
| 35° | 2002 | 1940 | 1106 | 704 | 643 | 1214 |
| 45° | 895 | 1737 | 871 | 558 | 506 | 710 |
| 55° | 492 | 1054 | 615 | 410 | 379 | 445 |
| 65° | 279 | 502 | 383 | 263 | 225 | 277 |
| 75° | 130 | 176 | 186 | 130 | 118 | 138 |
| 85° | 28 | 30 | 42 | 33 | 31 | 33 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P334373

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 |
| 2.5° | 1558.9 | 1557.7 | 1560.1 | 1553.5 | 1554.1 | 1543.8 | 1543.8 | 1536.0 | 1525.8 | 1518.0 | 1514.4 |
| 5° | 1677.9 | 1679.1 | 1676.7 | 1667.6 | 1661.6 | 1652.6 | 1642.4 | 1624.4 | 1609.3 | 1594.9 | 1583.5 |
| 7.5° | 1799.2 | 1800.4 | 1792.6 | 1790.8 | 1775.2 | 1765.6 | 1742.8 | 1719.3 | 1698.9 | 1671.8 | 1652.6 |
| 10° | 1902.6 | 1902.0 | 1893.6 | 1887.0 | 1873.8 | 1856.9 | 1834.7 | 1805.9 | 1778.8 | 1748.8 | 1719.9 |
| 12.5° | 1962.7 | 1960.9 | 1959.7 | 1951.3 | 1939.3 | 1924.8 | 1906.8 | 1878.6 | 1843.7 | 1810.1 | 1775.2 |
| 15° | 2015.6 | 2011.4 | 2003.6 | 1993.4 | 1975.9 | 1958.5 | 1937.5 | 1912.2 | 1880.4 | 1843.1 | 1811.9 |
| 17.5° | 2079.3 | 2079.9 | 2067.9 | 2057.1 | 2034.2 | 2005.4 | 1974.1 | 1935.7 | 1894.8 | 1856.9 | 1825.7 |
| 20° | 2162.2 | 2160.4 | 2148.4 | 2120.8 | 2093.7 | 2055.3 | 2018.0 | 1968.1 | 1915.2 | 1861.7 | 1820.3 |
| 22.5° | 2281.2 | 2275.8 | 2263.2 | 2224.7 | 2179.0 | 2126.8 | 2064.9 | 2001.2 | 1934.5 | 1872.0 | 1814.3 |
| 25° | 2413.4 | 2409.8 | 2385.2 | 2343.1 | 2284.2 | 2207.9 | 2133.4 | 2049.8 | 1957.9 | 1878.0 | 1811.9 |
| 27.5° | 2522.8 | 2515.6 | 2493.3 | 2453.7 | 2396.0 | 2313.7 | 2210.9 | 2102.7 | 1993.4 | 1888.2 | 1797.4 |
| 30° | 2509.6 | 2518.6 | 2516.2 | 2500.0 | 2459.1 | 2387.0 | 2293.8 | 2168.2 | 2031.8 | 1902.6 | 1789.0 |
| 32.5° | 2320.9 | 2328.7 | 2355.7 | 2399.6 | 2412.8 | 2394.8 | 2331.1 | 2217.5 | 2075.1 | 1923.6 | 1782.4 |
| 35° | 2002.4 | 2013.2 | 2054.1 | 2118.4 | 2202.5 | 2272.8 | 2287.2 | 2224.7 | 2097.9 | 1939.9 | 1775.8 |
| 37.5° | 1597.3 | 1667.6 | 1695.3 | 1760.8 | 1893.0 | 2021.0 | 2132.2 | 2157.4 | 2088.9 | 1936.3 | 1768.0 |
| 40° | 1307.7 | 1322.1 | 1383.4 | 1459.7 | 1566.7 | 1701.3 | 1878.6 | 2006.6 | 2010.8 | 1912.2 | 1742.8 |
| 42.5° | 1072.1 | 1091.3 | 1128.6 | 1185.7 | 1273.4 | 1408.0 | 1592.5 | 1771.6 | 1868.4 | 1846.1 | 1709.7 |
| 45° | 895.4 | 909.2 | 939.9 | 986.8 | 1057.1 | 1168.2 | 1325.7 | 1521.0 | 1676.1 | 1736.7 | 1645.4 |
| 47.5° | 757.2 | 764.4 | 792.7 | 830.5 | 884.6 | 968.7 | 1096.7 | 1273.4 | 1457.9 | 1581.1 | 1557.1 |
| 50° | 649.0 | 657.4 | 677.9 | 704.9 | 748.8 | 817.3 | 914.6 | 1055.9 | 1247.6 | 1406.8 | 1438.7 |
| 52.5° | 564.9 | 571.5 | 582.3 | 607.6 | 641.8 | 690.5 | 764.4 | 888.8 | 1056.5 | 1228.3 | 1312.5 |
| 55° | 491.6 | 496.4 | 506.6 | 521.0 | 549.9 | 587.7 | 655.6 | 744.0 | 883.4 | 1054.1 | 1162.2 |
| 57.5° | 429.1 | 431.5 | 437.5 | 451.9 | 472.9 | 501.2 | 552.9 | 633.4 | 734.4 | 894.8 | 1013.8 |
| 60° | 370.2 | 372.6 | 381.0 | 390.0 | 405.6 | 430.9 | 469.3 | 521.6 | 617.8 | 744.6 | 865.4 |
| 62.5° | 323.3 | 324.5 | 326.9 | 335.9 | 349.2 | 367.2 | 395.4 | 435.7 | 507.2 | 614.8 | 727.2 |
| 65° | 278.8 | 279.4 | 280.6 | 287.9 | 296.3 | 310.7 | 330.5 | 360.6 | 418.3 | 502.4 | 603.4 |
| 67.5° | 234.4 | 235.6 | 239.8 | 242.2 | 252.4 | 259.6 | 272.2 | 296.3 | 340.7 | 400.8 | 482.6 |
| 70° | 198.3 | 197.7 | 201.9 | 204.9 | 207.9 | 216.9 | 224.8 | 243.4 | 268.6 | 311.9 | 377.4 |
| 72.5° | 164.7 | 162.9 | 164.1 | 164.7 | 168.9 | 174.3 | 182.1 | 191.7 | 209.7 | 236.2 | 282.4 |
| 75° | 129.8 | 130.4 | 130.4 | 131.6 | 134.6 | 137.0 | 139.4 | 145.4 | 156.2 | 176.1 | 203.1 |
| 77.5° | 97.4 | 96.2 | 99.2 | 99.2 | 101.6 | 104.6 | 106.4 | 108.8 | 113.0 | 122.0 | 138.2 |
| 80° | 66.1 | 66.1 | 66.7 | 68.5 | 67.9 | 69.1 | 72.1 | 74.5 | 79.9 | 84.7 | 89.5 |
| 82.5° | 46.9 | 46.3 | 46.9 | 46.9 | 46.9 | 48.1 | 48.7 | 48.7 | 49.9 | 51.7 | 54.7 |
| 85° | 27.6 | 27.6 | 28.2 | 28.2 | 28.8 | 28.8 | 29.4 | 29.4 | 29.4 | 30.0 | 30.6 |
| 87.5° | 13.2 | 12.6 | 12.0 | 12.0 | 12.6 | 13.8 | 13.2 | 12.6 | 12.6 | 12.6 | 13.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P334373

CATALOG NUMBER: S125RDW-S1090D830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 |
| 2.5° | 1514.4 | 1510.2 | 1502.4 | 1495.2 | 1486.2 | 1478.3 | 1472.9 | 1466.3 | 1457.9 | 1447.7 | 1439.3 |
| 5° | 1570.9 | 1557.7 | 1540.2 | 1525.2 | 1506.0 | 1491.0 | 1475.3 | 1460.3 | 1445.3 | 1426.1 | 1409.2 |
| 7.5° | 1633.4 | 1607.5 | 1583.5 | 1552.3 | 1524.0 | 1499.4 | 1475.3 | 1450.7 | 1427.3 | 1400.8 | 1376.2 |
| 10° | 1689.9 | 1656.8 | 1620.2 | 1578.1 | 1539.6 | 1503.0 | 1469.3 | 1436.3 | 1401.4 | 1370.8 | 1337.7 |
| 12.5° | 1742.8 | 1697.7 | 1654.4 | 1598.5 | 1550.5 | 1503.6 | 1458.5 | 1415.2 | 1377.4 | 1335.3 | 1299.3 |
| 15° | 1770.4 | 1728.3 | 1681.5 | 1616.6 | 1552.3 | 1498.2 | 1447.7 | 1394.2 | 1347.9 | 1303.5 | 1263.8 |
| 17.5° | 1786.6 | 1742.2 | 1688.1 | 1625.0 | 1555.9 | 1488.6 | 1424.9 | 1367.8 | 1314.9 | 1263.8 | 1219.9 |
| 20° | 1779.4 | 1736.7 | 1680.9 | 1621.4 | 1546.2 | 1475.3 | 1405.0 | 1340.1 | 1279.4 | 1224.7 | 1177.3 |
| 22.5° | 1762.0 | 1717.5 | 1664.0 | 1600.3 | 1530.0 | 1453.7 | 1377.4 | 1307.1 | 1242.8 | 1185.7 | 1132.8 |
| 25° | 1744.6 | 1684.5 | 1629.2 | 1567.9 | 1500.0 | 1425.5 | 1347.9 | 1271.6 | 1203.7 | 1146.0 | 1089.5 |
| 27.5° | 1727.7 | 1655.0 | 1586.5 | 1527.6 | 1454.9 | 1387.6 | 1311.9 | 1233.2 | 1162.2 | 1103.9 | 1046.3 |
| 30° | 1703.1 | 1619.0 | 1541.4 | 1472.3 | 1404.4 | 1341.3 | 1270.4 | 1194.1 | 1120.8 | 1060.1 | 1001.2 |
| 32.5° | 1672.4 | 1581.7 | 1494.6 | 1412.2 | 1347.3 | 1284.8 | 1222.3 | 1150.2 | 1079.3 | 1016.2 | 956.1 |
| 35° | 1647.8 | 1533.6 | 1441.1 | 1356.3 | 1283.6 | 1222.9 | 1165.2 | 1106.4 | 1034.8 | 969.9 | 911.6 |
| 37.5° | 1613.6 | 1488.0 | 1383.4 | 1290.8 | 1215.1 | 1155.0 | 1108.8 | 1052.9 | 986.2 | 923.1 | 869.0 |
| 40° | 1582.9 | 1437.5 | 1320.3 | 1228.9 | 1148.4 | 1084.1 | 1041.4 | 995.8 | 936.3 | 878.0 | 823.9 |
| 42.5° | 1542.0 | 1391.2 | 1256.6 | 1160.4 | 1079.3 | 1018.0 | 974.7 | 936.3 | 888.8 | 834.7 | 775.8 |
| 45° | 1486.2 | 1328.7 | 1191.1 | 1088.9 | 1007.2 | 946.5 | 906.2 | 870.8 | 832.9 | 782.4 | 732.0 |
| 47.5° | 1419.4 | 1269.2 | 1124.4 | 1012.0 | 933.3 | 876.2 | 836.5 | 807.1 | 779.4 | 735.6 | 684.5 |
| 50° | 1335.9 | 1192.3 | 1051.7 | 943.5 | 858.2 | 804.7 | 768.0 | 745.8 | 721.1 | 682.1 | 641.2 |
| 52.5° | 1237.4 | 1113.0 | 975.9 | 864.8 | 785.4 | 736.2 | 701.3 | 679.1 | 659.8 | 629.8 | 591.3 |
| 55° | 1132.8 | 1020.4 | 894.2 | 793.9 | 719.9 | 669.5 | 635.8 | 614.8 | 602.8 | 575.7 | 545.1 |
| 57.5° | 1014.4 | 927.9 | 813.7 | 715.7 | 649.0 | 598.5 | 573.3 | 554.7 | 540.9 | 521.0 | 498.2 |
| 60° | 889.4 | 832.9 | 733.2 | 641.2 | 581.1 | 533.6 | 511.4 | 496.4 | 483.8 | 467.5 | 450.7 |
| 62.5° | 762.6 | 725.3 | 641.8 | 566.1 | 512.0 | 474.2 | 453.7 | 440.5 | 425.5 | 415.9 | 399.6 |
| 65° | 652.0 | 615.4 | 555.3 | 493.4 | 442.3 | 410.4 | 395.4 | 383.4 | 374.4 | 362.4 | 351.0 |
| 67.5° | 529.4 | 512.6 | 468.1 | 421.9 | 384.6 | 354.0 | 340.7 | 331.1 | 320.9 | 313.7 | 305.3 |
| 70° | 418.3 | 411.1 | 381.6 | 353.4 | 319.1 | 299.9 | 287.9 | 284.2 | 271.0 | 263.8 | 258.4 |
| 72.5° | 319.7 | 317.3 | 303.5 | 286.1 | 264.4 | 248.2 | 237.4 | 233.2 | 226.0 | 220.5 | 217.5 |
| 75° | 232.6 | 233.8 | 230.8 | 218.1 | 209.1 | 198.3 | 188.7 | 186.3 | 180.3 | 175.5 | 172.5 |
| 77.5° | 158.7 | 164.7 | 163.5 | 162.9 | 158.7 | 150.8 | 146.6 | 144.8 | 138.2 | 136.4 | 135.8 |
| 80° | 101.0 | 107.6 | 113.6 | 113.0 | 111.8 | 110.0 | 107.0 | 105.2 | 102.2 | 100.4 | 99.2 |
| 82.5° | 58.9 | 64.9 | 69.7 | 73.9 | 73.9 | 72.1 | 70.3 | 69.7 | 69.7 | 68.5 | 68.5 |
| 85° | 31.9 | 33.1 | 34.9 | 39.1 | 42.1 | 42.7 | 42.1 | 41.5 | 39.7 | 40.3 | 40.9 |
| 87.5° | 13.8 | 13.8 | 14.4 | 14.4 | 13.8 | 16.8 | 18.6 | 19.2 | 18.0 | 16.8 | 15.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P334373

CATALOG NUMBER: S125RDW-S1090D830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 | 1463.9 |
| 2.5° | 1433.3 | 1424.9 | 1418.8 | 1406.8 | 1398.4 | 1394.8 | 1388.2 | 1386.4 | 1393.0 | 1388.2 | 1387.6 |
| 5° | 1396.6 | 1379.2 | 1365.4 | 1351.5 | 1336.5 | 1326.9 | 1312.5 | 1310.1 | 1306.5 | 1301.1 | 1299.9 |
| 7.5° | 1353.9 | 1332.3 | 1316.1 | 1293.2 | 1274.6 | 1259.6 | 1241.6 | 1234.4 | 1230.7 | 1224.1 | 1213.3 |
| 10° | 1310.7 | 1283.6 | 1259.6 | 1236.8 | 1212.1 | 1192.3 | 1174.3 | 1160.4 | 1151.4 | 1143.0 | 1139.4 |
| 12.5° | 1268.0 | 1240.4 | 1207.9 | 1179.1 | 1150.8 | 1128.0 | 1107.6 | 1099.7 | 1089.5 | 1079.3 | 1069.7 |
| 15° | 1223.5 | 1186.9 | 1153.2 | 1121.4 | 1097.9 | 1073.9 | 1054.7 | 1041.4 | 1026.4 | 1022.2 | 1006.0 |
| 17.5° | 1176.1 | 1141.8 | 1102.1 | 1067.9 | 1041.4 | 1016.2 | 995.2 | 979.6 | 968.1 | 951.9 | 944.1 |
| 20° | 1132.2 | 1089.5 | 1051.1 | 1020.4 | 990.4 | 959.1 | 937.5 | 924.9 | 914.0 | 901.4 | 895.4 |
| 22.5° | 1085.3 | 1043.9 | 1004.2 | 966.9 | 936.3 | 905.6 | 891.8 | 878.6 | 866.0 | 854.6 | 846.1 |
| 25° | 1039.6 | 997.6 | 956.1 | 918.9 | 887.0 | 864.8 | 846.7 | 831.7 | 825.1 | 813.7 | 805.3 |
| 27.5° | 994.0 | 949.5 | 907.4 | 868.4 | 843.7 | 821.5 | 807.1 | 795.1 | 782.4 | 772.2 | 764.4 |
| 30° | 950.1 | 904.4 | 857.6 | 828.1 | 801.7 | 780.6 | 764.4 | 753.0 | 744.0 | 735.0 | 729.6 |
| 32.5° | 906.2 | 858.8 | 818.5 | 786.0 | 761.4 | 744.0 | 727.2 | 716.3 | 706.7 | 696.5 | 689.9 |
| 35° | 858.8 | 810.7 | 777.0 | 745.8 | 721.1 | 704.3 | 692.9 | 677.3 | 669.5 | 662.2 | 655.6 |
| 37.5° | 816.1 | 770.4 | 733.2 | 706.1 | 683.3 | 667.1 | 652.0 | 644.2 | 634.0 | 628.0 | 622.6 |
| 40° | 768.0 | 727.2 | 694.1 | 665.3 | 649.6 | 631.0 | 617.2 | 606.4 | 599.1 | 590.7 | 584.7 |
| 42.5° | 724.7 | 687.5 | 655.6 | 630.4 | 610.0 | 594.9 | 581.7 | 570.9 | 561.3 | 555.9 | 551.1 |
| 45° | 684.5 | 646.6 | 615.4 | 591.3 | 573.3 | 558.3 | 544.5 | 539.1 | 527.0 | 519.8 | 517.4 |
| 47.5° | 642.4 | 608.2 | 577.5 | 555.3 | 536.6 | 522.8 | 509.6 | 497.6 | 491.6 | 484.4 | 480.8 |
| 50° | 599.7 | 567.3 | 539.1 | 517.4 | 499.4 | 483.8 | 471.7 | 464.5 | 455.5 | 448.9 | 444.1 |
| 52.5° | 557.1 | 527.6 | 499.4 | 479.0 | 463.9 | 448.3 | 434.5 | 427.3 | 418.9 | 415.3 | 412.3 |
| 55° | 516.8 | 485.0 | 460.9 | 440.5 | 424.3 | 409.8 | 397.2 | 390.0 | 384.6 | 380.4 | 379.2 |
| 57.5° | 470.5 | 444.7 | 421.9 | 403.8 | 386.4 | 372.6 | 361.2 | 354.6 | 349.8 | 349.2 | 344.9 |
| 60° | 425.5 | 402.6 | 382.2 | 362.4 | 348.0 | 335.3 | 325.7 | 317.9 | 313.1 | 312.5 | 311.3 |
| 62.5° | 380.4 | 358.8 | 340.1 | 323.3 | 310.7 | 298.7 | 289.7 | 280.6 | 278.2 | 274.6 | 271.6 |
| 65° | 335.9 | 316.1 | 300.5 | 286.7 | 272.8 | 262.6 | 253.6 | 248.2 | 241.6 | 238.0 | 231.4 |
| 67.5° | 292.1 | 275.8 | 260.8 | 249.4 | 238.0 | 227.8 | 219.9 | 212.1 | 207.3 | 204.3 | 198.9 |
| 70° | 248.8 | 236.8 | 221.8 | 209.1 | 200.7 | 192.9 | 186.9 | 177.9 | 174.9 | 172.5 | 170.1 |
| 72.5° | 207.9 | 197.7 | 185.7 | 176.1 | 167.7 | 160.5 | 153.2 | 150.2 | 147.2 | 144.8 | 143.6 |
| 75° | 170.1 | 159.9 | 149.0 | 141.8 | 135.8 | 129.8 | 126.2 | 123.2 | 122.0 | 121.4 | 119.0 |
| 77.5° | 132.2 | 126.2 | 117.2 | 110.6 | 106.4 | 104.0 | 100.4 | 99.2 | 99.8 | 96.8 | 96.2 |
| 80° | 95.6 | 92.5 | 85.3 | 82.9 | 79.9 | 77.5 | 75.7 | 72.7 | 69.7 | 68.5 | 66.7 |
| 82.5° | 64.9 | 61.9 | 60.1 | 55.9 | 53.5 | 52.3 | 50.5 | 49.9 | 51.1 | 49.3 | 48.7 |
| 85° | 37.9 | 34.9 | 33.7 | 33.1 | 31.9 | 33.1 | 32.5 | 31.9 | 31.2 | 30.6 | 31.2 |
| 87.5° | 15.0 | 15.0 | 14.4 | 15.6 | 13.8 | 14.4 | 14.4 | 13.8 | 13.8 | 13.8 | 13.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P334373

CATALOG NUMBER: S125RDW-S1090D830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1463.9 | 1463.9 | 1463.9 | 1463.9 |
| 2.5° | 1387.0 | 1380.4 | 1378.6 | 1381.0 |
| 5° | 1293.8 | 1287.8 | 1290.8 | 1289.6 |
| 7.5° | 1215.1 | 1207.3 | 1198.3 | 1200.7 |
| 10° | 1131.6 | 1125.6 | 1122.0 | 1125.0 |
| 12.5° | 1061.3 | 1058.3 | 1055.3 | 1052.9 |
| 15° | 998.8 | 991.6 | 988.6 | 980.8 |
| 17.5° | 938.7 | 936.3 | 928.5 | 923.1 |
| 20° | 886.4 | 884.0 | 876.2 | 881.0 |
| 22.5° | 843.1 | 837.1 | 835.9 | 832.9 |
| 25° | 802.9 | 795.1 | 792.1 | 788.4 |
| 27.5° | 762.0 | 757.8 | 753.6 | 752.4 |
| 30° | 722.3 | 718.1 | 715.1 | 715.1 |
| 32.5° | 686.9 | 683.9 | 680.9 | 680.3 |
| 35° | 652.6 | 647.8 | 646.6 | 643.0 |
| 37.5° | 616.6 | 612.4 | 612.4 | 613.0 |
| 40° | 582.3 | 579.3 | 578.7 | 574.5 |
| 42.5° | 545.7 | 544.5 | 542.1 | 540.9 |
| 45° | 513.2 | 509.0 | 509.0 | 506.0 |
| 47.5° | 479.0 | 475.4 | 476.0 | 472.3 |
| 50° | 444.7 | 442.9 | 442.3 | 441.1 |
| 52.5° | 410.4 | 409.8 | 412.9 | 409.8 |
| 55° | 380.4 | 378.6 | 382.2 | 378.6 |
| 57.5° | 344.9 | 343.7 | 347.3 | 344.9 |
| 60° | 310.1 | 306.5 | 308.3 | 308.9 |
| 62.5° | 268.6 | 266.8 | 268.0 | 264.4 |
| 65° | 230.2 | 228.4 | 226.0 | 224.8 |
| 67.5° | 200.1 | 194.7 | 194.7 | 195.9 |
| 70° | 166.5 | 166.5 | 165.9 | 165.9 |
| 72.5° | 143.0 | 142.4 | 141.2 | 140.6 |
| 75° | 119.0 | 119.6 | 118.4 | 117.8 |
| 77.5° | 93.1 | 90.1 | 91.3 | 90.1 |
| 80° | 66.7 | 66.1 | 67.9 | 66.1 |
| 82.5° | 49.3 | 48.7 | 49.3 | 48.1 |
| 85° | 31.9 | 31.2 | 30.6 | 31.2 |
| 87.5° | 13.8 | 13.2 | 13.2 | 13.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)