

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: P333873

Luminaire Tested: **S122RDS-S865D935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDS-S865D935-4F0-1E-UDD-A
Description: DEFINE 2 REGRESSED DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 865 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2730.4 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Direct

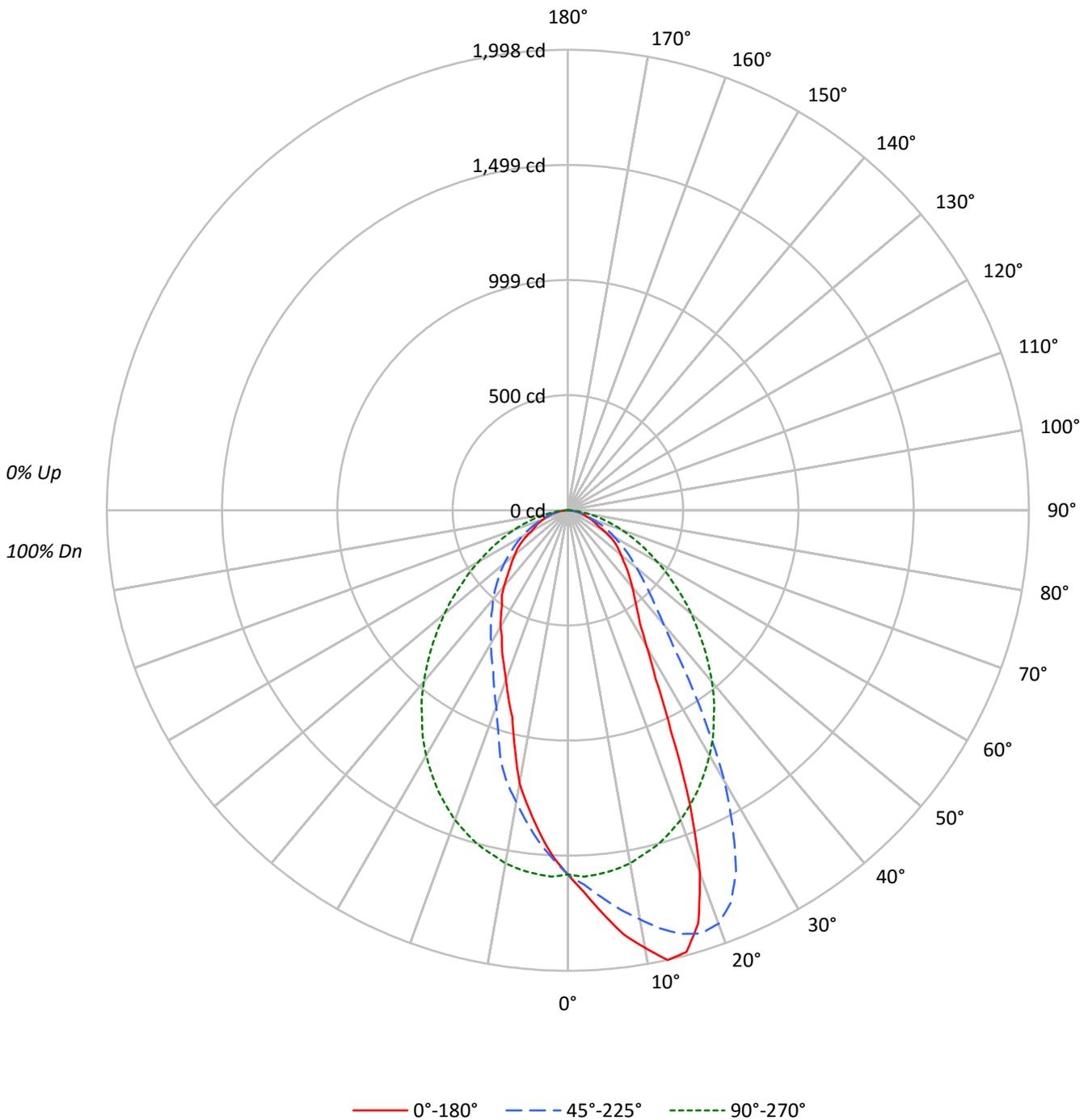
Input Watts (W): 34.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333873

CATALOG NUMBER: S122RDS-S865D935-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333873

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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 | 111 | 106 | 103 | 100 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 |
| 2 | 102 | 95 | 89 | 84 | 100 | 93 | 88 | 83 | 90 | 85 | 81 | 87 | 83 | 80 | 84 | 81 | 78 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 76 | 68 | 63 | 73 | 67 | 62 | 71 | 66 | 61 | 69 | 64 | 60 | 59 |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 61 | 56 | 67 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 52 |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 54 | 49 | 60 | 54 | 49 | 58 | 53 | 49 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 40 | 50 | 44 | 40 | 39 |
| 9 | 62 | 50 | 43 | 38 | 61 | 50 | 42 | 37 | 49 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 35 |
| 10 | 59 | 47 | 39 | 35 | 58 | 46 | 39 | 35 | 45 | 39 | 34 | 44 | 38 | 34 | 44 | 38 | 34 | 33 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 25512 | 25512 | 25512 |
| 5° | 28493 | 25671 | 22762 |
| 10° | 31613 | 25491 | 19731 |
| 15° | 33167 | 25118 | 15545 |
| 20° | 28752 | 24565 | 13452 |
| 25° | 18857 | 23806 | 12011 |
| 30° | 12693 | 22887 | 10871 |
| 35° | 10281 | 21729 | 9804 |
| 40° | 9141 | 20470 | 9071 |
| 45° | 8275 | 18993 | 8099 |
| 50° | 7531 | 17528 | 7503 |
| 55° | 7080 | 15902 | 6987 |
| 60° | 5922 | 14415 | 5851 |
| 65° | 4993 | 13089 | 5662 |
| 70° | 4612 | 11689 | 5339 |
| 75° | 4317 | 10175 | 4934 |
| 80° | 3980 | 8368 | 4389 |
| 85° | 3668 | 6614 | 3872 |



TEST NUMBER: P333873

CATALOG NUMBER: S122RDS-S865D935-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 149.9 | 5.5 |
| 10°-20° | 418.3 | 15.3 |
| 20°-30° | 538.4 | 19.7 |
| 30°-40° | 510.7 | 18.7 |
| 40°-50° | 437.6 | 16.0 |
| 50°-60° | 333.4 | 12.2 |
| 60°-70° | 210.3 | 7.7 |
| 70°-80° | 104.9 | 3.8 |
| 80°-90° | 27.0 | 1.0 |
| 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° | 1106.6 | 40.5 |
| 0°-40° | 1617.3 | 59.2 |
| 0°-60° | 2388.3 | 87.5 |
| 0°-90° | 2730.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2730.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1580 | 1580 | 1580 | 1580 | 1580 | |
| 5° | 1758 | 1686 | 1584 | 1443 | 1404 | 173 |
| 15° | 1984 | 1903 | 1503 | 1125 | 930 | 539 |
| 25° | 1058 | 1724 | 1336 | 765 | 674 | 500 |
| 35° | 522 | 937 | 1102 | 581 | 497 | 332 |
| 45° | 362 | 494 | 832 | 429 | 355 | 280 |
| 55° | 252 | 308 | 565 | 290 | 248 | 221 |
| 65° | 131 | 176 | 343 | 175 | 148 | 132 |
| 75° | 69 | 77 | 163 | 89 | 79 | 73 |
| 85° | 20 | 20 | 36 | 21 | 21 | 22 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P333873

CATALOG NUMBER: S122RDS-S865D935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 |
| 2.5° | 1660.2 | 1661.9 | 1663.5 | 1659.7 | 1659.7 | 1656.4 | 1649.3 | 1643.8 | 1628.4 | 1626.2 | 1626.2 |
| 5° | 1758.0 | 1756.9 | 1759.1 | 1751.9 | 1742.1 | 1739.9 | 1729.4 | 1715.7 | 1701.4 | 1685.5 | 1682.2 |
| 7.5° | 1856.8 | 1850.2 | 1847.5 | 1850.8 | 1840.3 | 1826.1 | 1808.5 | 1792.0 | 1767.3 | 1747.0 | 1734.4 |
| 10° | 1928.2 | 1946.3 | 1935.3 | 1916.1 | 1919.9 | 1894.1 | 1880.4 | 1856.8 | 1837.0 | 1802.4 | 1794.8 |
| 12.5° | 1998.4 | 2002.8 | 2001.2 | 1992.4 | 1985.3 | 1969.3 | 1949.6 | 1929.8 | 1889.2 | 1859.0 | 1827.1 |
| 15° | 1984.2 | 1994.6 | 1997.3 | 1994.1 | 1996.8 | 1995.7 | 1985.8 | 1968.8 | 1937.0 | 1902.9 | 1873.3 |
| 17.5° | 1878.8 | 1890.8 | 1900.7 | 1909.5 | 1923.2 | 1950.1 | 1958.4 | 1961.7 | 1948.5 | 1924.3 | 1899.6 |
| 20° | 1673.4 | 1661.3 | 1711.9 | 1737.7 | 1759.6 | 1814.5 | 1861.7 | 1879.9 | 1909.0 | 1908.4 | 1902.9 |
| 22.5° | 1382.4 | 1389.0 | 1436.2 | 1468.1 | 1542.8 | 1597.7 | 1653.1 | 1733.8 | 1797.0 | 1843.6 | 1872.2 |
| 25° | 1058.5 | 1079.4 | 1127.1 | 1168.9 | 1240.2 | 1342.4 | 1435.1 | 1542.8 | 1644.3 | 1724.5 | 1800.8 |
| 27.5° | 823.5 | 826.3 | 869.7 | 911.9 | 955.8 | 1044.2 | 1168.3 | 1297.3 | 1442.3 | 1546.6 | 1678.4 |
| 30° | 680.8 | 677.5 | 693.4 | 717.0 | 753.3 | 818.0 | 905.9 | 1032.2 | 1176.6 | 1356.6 | 1517.0 |
| 32.5° | 579.8 | 580.9 | 591.8 | 607.8 | 636.3 | 674.7 | 728.0 | 824.6 | 959.1 | 1135.4 | 1330.3 |
| 35° | 521.6 | 521.0 | 529.8 | 542.4 | 555.1 | 583.1 | 624.2 | 678.0 | 771.9 | 937.2 | 1129.3 |
| 37.5° | 473.3 | 476.0 | 479.8 | 488.1 | 503.5 | 519.9 | 545.7 | 583.6 | 655.0 | 757.7 | 930.0 |
| 40° | 433.7 | 434.8 | 440.9 | 447.5 | 455.7 | 467.8 | 488.1 | 517.2 | 566.0 | 644.0 | 762.0 |
| 42.5° | 397.5 | 398.6 | 402.4 | 408.5 | 414.5 | 426.6 | 442.5 | 466.7 | 504.0 | 560.6 | 652.8 |
| 45° | 362.4 | 362.4 | 366.2 | 368.9 | 376.1 | 387.1 | 400.8 | 421.6 | 449.1 | 494.1 | 558.9 |
| 47.5° | 328.3 | 328.3 | 331.1 | 336.0 | 340.9 | 349.7 | 364.0 | 381.6 | 401.3 | 438.1 | 495.8 |
| 50° | 299.8 | 300.3 | 302.0 | 305.8 | 308.6 | 316.2 | 326.7 | 341.5 | 362.4 | 389.3 | 435.4 |
| 52.5° | 276.7 | 276.2 | 278.4 | 279.5 | 281.1 | 286.0 | 293.2 | 305.8 | 323.9 | 346.4 | 382.7 |
| 55° | 251.5 | 249.3 | 252.6 | 255.3 | 256.9 | 259.1 | 263.5 | 271.8 | 287.7 | 307.5 | 336.0 |
| 57.5° | 221.8 | 220.7 | 222.4 | 225.1 | 230.0 | 235.5 | 238.3 | 243.8 | 252.0 | 267.4 | 297.6 |
| 60° | 183.4 | 183.4 | 188.3 | 190.0 | 196.0 | 203.7 | 211.4 | 215.8 | 224.0 | 233.3 | 254.2 |
| 62.5° | 149.3 | 149.9 | 151.5 | 153.2 | 155.9 | 165.8 | 177.3 | 188.3 | 196.0 | 204.8 | 216.9 |
| 65° | 130.7 | 131.8 | 131.8 | 132.9 | 135.1 | 137.3 | 141.6 | 149.3 | 163.1 | 175.7 | 186.1 |
| 67.5° | 114.2 | 114.2 | 114.7 | 115.8 | 116.4 | 119.1 | 120.8 | 124.6 | 127.4 | 141.6 | 155.9 |
| 70° | 97.7 | 99.4 | 98.8 | 99.9 | 100.5 | 101.6 | 103.8 | 105.4 | 110.4 | 113.1 | 120.8 |
| 72.5° | 82.4 | 83.5 | 83.5 | 84.0 | 85.6 | 85.6 | 87.3 | 88.9 | 91.7 | 93.9 | 97.2 |
| 75° | 69.2 | 68.6 | 69.2 | 70.3 | 70.8 | 71.4 | 71.4 | 73.6 | 75.2 | 77.4 | 80.2 |
| 77.5° | 56.0 | 56.5 | 56.5 | 56.5 | 56.5 | 57.6 | 57.6 | 58.7 | 60.4 | 61.5 | 63.1 |
| 80° | 42.8 | 43.4 | 42.8 | 43.4 | 43.9 | 44.5 | 43.9 | 44.5 | 46.1 | 47.2 | 47.2 |
| 82.5° | 30.7 | 30.7 | 31.3 | 31.3 | 31.3 | 31.3 | 32.4 | 32.4 | 33.5 | 32.9 | 33.5 |
| 85° | 19.8 | 19.2 | 19.2 | 19.2 | 19.8 | 20.3 | 19.8 | 19.8 | 20.3 | 20.3 | 20.3 |
| 87.5° | 8.8 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.9 | 9.3 | 9.9 | 9.3 |
| 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: P333873

CATALOG NUMBER: S122RDS-S865D935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 |
| 2.5° | 1627.3 | 1622.9 | 1619.1 | 1609.2 | 1604.2 | 1593.3 | 1591.6 | 1591.1 | 1576.8 | 1563.1 | 1559.2 |
| 5° | 1673.4 | 1664.6 | 1651.5 | 1636.1 | 1620.2 | 1603.7 | 1592.7 | 1583.9 | 1562.0 | 1541.1 | 1529.0 |
| 7.5° | 1719.0 | 1703.1 | 1682.2 | 1655.9 | 1633.3 | 1607.0 | 1588.9 | 1572.4 | 1542.2 | 1514.8 | 1496.6 |
| 10° | 1771.1 | 1740.4 | 1710.2 | 1670.1 | 1638.8 | 1608.1 | 1579.5 | 1554.8 | 1519.7 | 1480.2 | 1452.2 |
| 12.5° | 1803.5 | 1769.0 | 1724.5 | 1685.5 | 1642.7 | 1601.5 | 1560.9 | 1527.4 | 1484.6 | 1443.4 | 1408.8 |
| 15° | 1832.1 | 1795.9 | 1745.3 | 1689.3 | 1637.2 | 1586.1 | 1542.2 | 1502.7 | 1448.9 | 1400.0 | 1359.4 |
| 17.5° | 1858.4 | 1808.5 | 1756.3 | 1691.5 | 1633.9 | 1571.9 | 1516.4 | 1467.0 | 1408.2 | 1350.6 | 1304.5 |
| 20° | 1870.0 | 1820.6 | 1758.0 | 1693.2 | 1621.8 | 1545.5 | 1484.6 | 1429.7 | 1365.4 | 1301.2 | 1246.3 |
| 22.5° | 1862.8 | 1827.1 | 1755.8 | 1675.1 | 1601.5 | 1520.8 | 1450.0 | 1384.1 | 1311.1 | 1245.2 | 1179.3 |
| 25° | 1825.5 | 1812.3 | 1746.4 | 1661.9 | 1578.4 | 1485.7 | 1406.0 | 1336.3 | 1255.1 | 1184.8 | 1115.6 |
| 27.5° | 1756.9 | 1776.1 | 1729.4 | 1637.7 | 1547.7 | 1447.8 | 1361.0 | 1282.5 | 1199.6 | 1121.1 | 1051.9 |
| 30° | 1648.2 | 1713.5 | 1695.9 | 1612.5 | 1508.7 | 1411.0 | 1310.5 | 1227.6 | 1137.6 | 1056.3 | 988.2 |
| 32.5° | 1499.4 | 1618.0 | 1643.8 | 1577.3 | 1469.2 | 1359.4 | 1252.9 | 1170.5 | 1075.5 | 988.8 | 922.9 |
| 35° | 1339.6 | 1501.0 | 1575.1 | 1530.7 | 1423.1 | 1307.2 | 1198.5 | 1102.4 | 1008.0 | 923.5 | 857.6 |
| 37.5° | 1150.2 | 1365.4 | 1479.6 | 1474.7 | 1372.0 | 1254.0 | 1135.9 | 1040.9 | 943.8 | 860.3 | 791.7 |
| 40° | 966.8 | 1205.1 | 1366.0 | 1401.7 | 1318.2 | 1188.1 | 1068.4 | 971.2 | 876.8 | 795.5 | 713.7 |
| 42.5° | 802.1 | 1039.3 | 1246.3 | 1314.9 | 1252.9 | 1123.9 | 1003.6 | 900.9 | 809.8 | 734.0 | 650.0 |
| 45° | 675.3 | 882.8 | 1100.8 | 1211.7 | 1174.9 | 1055.2 | 928.4 | 831.8 | 745.6 | 679.1 | 599.0 |
| 47.5° | 584.7 | 735.7 | 954.8 | 1099.7 | 1095.3 | 981.7 | 855.4 | 762.6 | 681.3 | 619.8 | 551.8 |
| 50° | 509.5 | 636.9 | 815.3 | 985.5 | 999.8 | 908.1 | 789.5 | 697.8 | 623.1 | 557.8 | 505.7 |
| 52.5° | 442.0 | 541.3 | 697.3 | 858.7 | 905.9 | 829.6 | 715.4 | 632.5 | 560.6 | 501.8 | 459.0 |
| 55° | 384.9 | 466.1 | 588.0 | 740.6 | 802.1 | 746.1 | 644.0 | 564.9 | 506.2 | 455.7 | 417.3 |
| 57.5° | 334.9 | 398.6 | 500.2 | 628.1 | 697.8 | 659.9 | 572.6 | 507.3 | 455.1 | 407.9 | 377.2 |
| 60° | 288.2 | 338.2 | 421.1 | 523.8 | 602.8 | 578.1 | 506.2 | 446.4 | 403.5 | 364.0 | 335.5 |
| 62.5° | 244.3 | 285.5 | 353.6 | 432.1 | 502.9 | 496.3 | 440.9 | 393.1 | 356.9 | 321.7 | 298.7 |
| 65° | 203.7 | 235.0 | 290.4 | 355.8 | 414.0 | 418.9 | 376.6 | 342.6 | 309.1 | 280.6 | 259.1 |
| 67.5° | 168.6 | 190.0 | 231.7 | 289.3 | 333.8 | 349.2 | 320.6 | 293.2 | 265.7 | 242.7 | 223.5 |
| 70° | 136.7 | 153.2 | 181.7 | 226.2 | 266.3 | 282.7 | 267.9 | 247.6 | 224.6 | 206.4 | 190.5 |
| 72.5° | 104.3 | 120.2 | 139.5 | 169.1 | 202.0 | 220.2 | 217.4 | 204.2 | 186.7 | 172.4 | 157.6 |
| 75° | 83.5 | 88.4 | 102.7 | 124.6 | 151.5 | 166.9 | 170.7 | 163.1 | 148.2 | 136.7 | 127.9 |
| 77.5° | 64.8 | 68.1 | 75.8 | 88.9 | 107.6 | 121.3 | 127.4 | 126.3 | 115.3 | 107.6 | 99.4 |
| 80° | 49.4 | 51.1 | 54.4 | 59.3 | 72.5 | 86.2 | 90.0 | 90.0 | 82.9 | 80.2 | 71.9 |
| 82.5° | 34.6 | 35.7 | 37.3 | 39.5 | 43.9 | 55.5 | 59.8 | 60.9 | 57.1 | 53.3 | 47.2 |
| 85° | 21.4 | 20.9 | 22.0 | 23.6 | 24.7 | 28.0 | 34.6 | 35.7 | 34.6 | 30.2 | 28.5 |
| 87.5° | 9.3 | 9.9 | 9.9 | 9.3 | 9.9 | 10.4 | 13.2 | 15.9 | 13.7 | 12.1 | 11.0 |
| 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: P333873

CATALOG NUMBER: S122RDS-S865D935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 |
| 2.5° | 1552.1 | 1548.2 | 1541.1 | 1530.1 | 1523.5 | 1512.0 | 1504.3 | 1508.7 | 1509.8 | 1508.7 | 1507.6 |
| 5° | 1515.9 | 1504.3 | 1488.4 | 1473.0 | 1458.8 | 1443.4 | 1434.6 | 1430.8 | 1423.1 | 1418.7 | 1416.5 |
| 7.5° | 1474.7 | 1457.7 | 1435.1 | 1410.4 | 1387.4 | 1365.4 | 1355.5 | 1347.9 | 1333.6 | 1325.9 | 1318.8 |
| 10° | 1427.5 | 1396.2 | 1373.7 | 1338.5 | 1317.1 | 1285.8 | 1264.4 | 1264.9 | 1243.5 | 1231.5 | 1222.7 |
| 12.5° | 1375.3 | 1340.2 | 1299.0 | 1268.2 | 1236.4 | 1212.8 | 1185.9 | 1172.7 | 1149.7 | 1138.1 | 1110.7 |
| 15° | 1316.6 | 1276.5 | 1236.9 | 1194.1 | 1163.9 | 1124.9 | 1087.6 | 1042.0 | 1005.3 | 973.4 | 964.6 |
| 17.5° | 1254.0 | 1204.6 | 1165.6 | 1121.7 | 1074.4 | 1003.6 | 957.5 | 929.5 | 907.5 | 891.1 | 877.9 |
| 20° | 1189.2 | 1138.7 | 1096.4 | 1020.6 | 950.9 | 906.4 | 874.6 | 854.3 | 831.2 | 813.1 | 803.2 |
| 22.5° | 1121.1 | 1067.8 | 1006.4 | 919.6 | 869.1 | 835.6 | 808.2 | 784.0 | 770.3 | 757.1 | 748.3 |
| 25° | 1057.4 | 999.8 | 904.8 | 846.6 | 802.7 | 765.3 | 745.6 | 731.3 | 714.8 | 695.6 | 686.8 |
| 27.5° | 991.0 | 899.3 | 827.4 | 785.1 | 740.1 | 716.5 | 699.5 | 675.8 | 661.0 | 653.9 | 644.0 |
| 30° | 914.7 | 823.0 | 769.7 | 722.5 | 692.9 | 666.0 | 645.1 | 633.0 | 618.7 | 603.9 | 597.9 |
| 32.5° | 829.6 | 760.9 | 710.4 | 673.1 | 642.9 | 620.9 | 605.6 | 584.2 | 574.8 | 567.1 | 552.9 |
| 35° | 762.0 | 706.6 | 659.9 | 628.1 | 599.5 | 580.9 | 561.7 | 550.1 | 531.5 | 523.8 | 518.8 |
| 37.5° | 700.6 | 652.2 | 617.1 | 582.0 | 560.0 | 538.0 | 527.1 | 507.8 | 500.7 | 488.6 | 478.7 |
| 40° | 650.0 | 602.8 | 569.3 | 541.9 | 516.6 | 501.3 | 486.4 | 471.6 | 459.5 | 454.6 | 442.0 |
| 42.5° | 598.4 | 562.2 | 528.7 | 498.0 | 483.1 | 466.7 | 446.9 | 437.0 | 424.4 | 415.6 | 409.0 |
| 45° | 551.8 | 517.7 | 489.2 | 464.5 | 445.8 | 428.8 | 416.7 | 398.6 | 391.5 | 375.5 | 368.9 |
| 47.5° | 510.6 | 477.7 | 450.2 | 426.0 | 407.4 | 397.5 | 379.9 | 364.0 | 354.1 | 343.1 | 333.8 |
| 50° | 466.1 | 439.8 | 413.4 | 392.6 | 376.1 | 360.2 | 342.0 | 334.9 | 317.3 | 312.4 | 307.5 |
| 52.5° | 425.5 | 400.8 | 377.2 | 356.9 | 340.4 | 325.0 | 309.6 | 299.8 | 289.3 | 284.4 | 281.1 |
| 55° | 388.2 | 364.0 | 340.9 | 322.8 | 306.4 | 290.4 | 280.6 | 269.0 | 263.5 | 259.7 | 255.3 |
| 57.5° | 349.7 | 327.8 | 309.6 | 291.0 | 274.5 | 261.3 | 249.3 | 242.7 | 237.2 | 232.8 | 226.7 |
| 60° | 313.5 | 292.6 | 276.7 | 259.7 | 242.7 | 232.2 | 223.5 | 215.2 | 208.6 | 200.9 | 198.7 |
| 62.5° | 275.1 | 257.5 | 243.2 | 226.7 | 212.5 | 203.1 | 194.9 | 187.2 | 179.0 | 166.9 | 163.6 |
| 65° | 240.5 | 226.2 | 210.8 | 197.1 | 183.9 | 174.6 | 162.5 | 153.7 | 150.4 | 149.3 | 148.8 |
| 67.5° | 208.6 | 194.9 | 181.7 | 167.5 | 155.4 | 144.9 | 137.8 | 136.7 | 134.5 | 134.0 | 132.3 |
| 70° | 176.8 | 164.2 | 151.0 | 137.8 | 126.3 | 124.6 | 122.4 | 120.2 | 117.5 | 116.4 | 115.3 |
| 72.5° | 148.2 | 135.1 | 121.9 | 112.0 | 108.7 | 106.5 | 104.3 | 102.1 | 100.5 | 99.4 | 98.8 |
| 75° | 118.0 | 106.0 | 97.2 | 93.3 | 90.6 | 88.9 | 85.6 | 84.0 | 82.9 | 81.3 | 80.7 |
| 77.5° | 90.0 | 82.4 | 78.0 | 75.8 | 72.5 | 70.8 | 68.6 | 67.0 | 65.3 | 65.3 | 64.2 |
| 80° | 64.8 | 61.5 | 58.7 | 55.5 | 54.4 | 52.2 | 51.6 | 50.0 | 50.5 | 48.9 | 48.9 |
| 82.5° | 46.7 | 42.3 | 40.1 | 39.0 | 37.9 | 36.2 | 35.7 | 35.1 | 35.1 | 34.0 | 34.0 |
| 85° | 25.8 | 24.7 | 23.6 | 22.5 | 22.5 | 20.9 | 21.4 | 20.9 | 20.9 | 19.8 | 19.2 |
| 87.5° | 10.4 | 9.9 | 8.8 | 8.8 | 8.8 | 8.2 | 8.2 | 7.7 | 7.7 | 7.7 | 7.1 |
| 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: P333873

CATALOG NUMBER: S122RDS-S865D935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1580.1 | 1580.1 | 1580.1 | 1580.1 |
| 2.5° | 1501.6 | 1502.7 | 1501.0 | 1502.1 |
| 5° | 1413.7 | 1407.1 | 1406.0 | 1404.4 |
| 7.5° | 1310.0 | 1309.4 | 1306.1 | 1302.3 |
| 10° | 1210.6 | 1207.9 | 1207.3 | 1203.5 |
| 12.5° | 1094.2 | 1072.8 | 1070.6 | 1059.6 |
| 15° | 951.5 | 948.2 | 937.2 | 930.0 |
| 17.5° | 871.8 | 860.9 | 857.0 | 855.4 |
| 20° | 795.5 | 785.7 | 784.0 | 782.9 |
| 22.5° | 742.8 | 732.4 | 727.5 | 723.6 |
| 25° | 681.3 | 677.5 | 675.3 | 674.2 |
| 27.5° | 633.0 | 623.1 | 622.0 | 619.3 |
| 30° | 592.9 | 590.2 | 586.4 | 583.1 |
| 32.5° | 545.7 | 543.5 | 540.2 | 539.1 |
| 35° | 513.3 | 505.7 | 502.4 | 497.4 |
| 37.5° | 477.7 | 473.3 | 467.8 | 470.0 |
| 40° | 434.8 | 432.1 | 431.0 | 430.4 |
| 42.5° | 400.8 | 392.0 | 388.7 | 388.7 |
| 45° | 366.2 | 359.1 | 354.1 | 354.7 |
| 47.5° | 328.9 | 329.4 | 326.1 | 327.2 |
| 50° | 303.6 | 300.3 | 298.1 | 298.7 |
| 52.5° | 279.5 | 276.7 | 275.1 | 277.8 |
| 55° | 252.6 | 249.3 | 248.7 | 248.2 |
| 57.5° | 223.5 | 221.8 | 219.1 | 217.4 |
| 60° | 191.6 | 187.2 | 181.7 | 181.2 |
| 62.5° | 162.5 | 162.5 | 162.5 | 162.5 |
| 65° | 147.7 | 147.1 | 147.7 | 148.2 |
| 67.5° | 132.3 | 131.2 | 130.1 | 130.7 |
| 70° | 114.2 | 113.6 | 113.1 | 113.1 |
| 72.5° | 96.6 | 96.6 | 96.1 | 95.5 |
| 75° | 80.2 | 79.1 | 79.1 | 79.1 |
| 77.5° | 64.2 | 63.7 | 63.1 | 62.6 |
| 80° | 48.3 | 47.8 | 47.2 | 47.2 |
| 82.5° | 34.0 | 33.5 | 33.5 | 32.9 |
| 85° | 19.8 | 20.3 | 19.8 | 20.9 |
| 87.5° | 7.1 | 6.6 | 7.1 | 6.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)