

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: P333878

Luminaire Tested: **SA2XXRDP-C865D940-4F0-1E-UDD-A**

Issue Date: 10/11/2019

Test Information

Test Method: LM-79-08
Report Number: P333878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-29)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/11/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDP-C865D940-4F0-1E-UDD-A
Description: DEFINE 2 REGRESSED DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 865 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

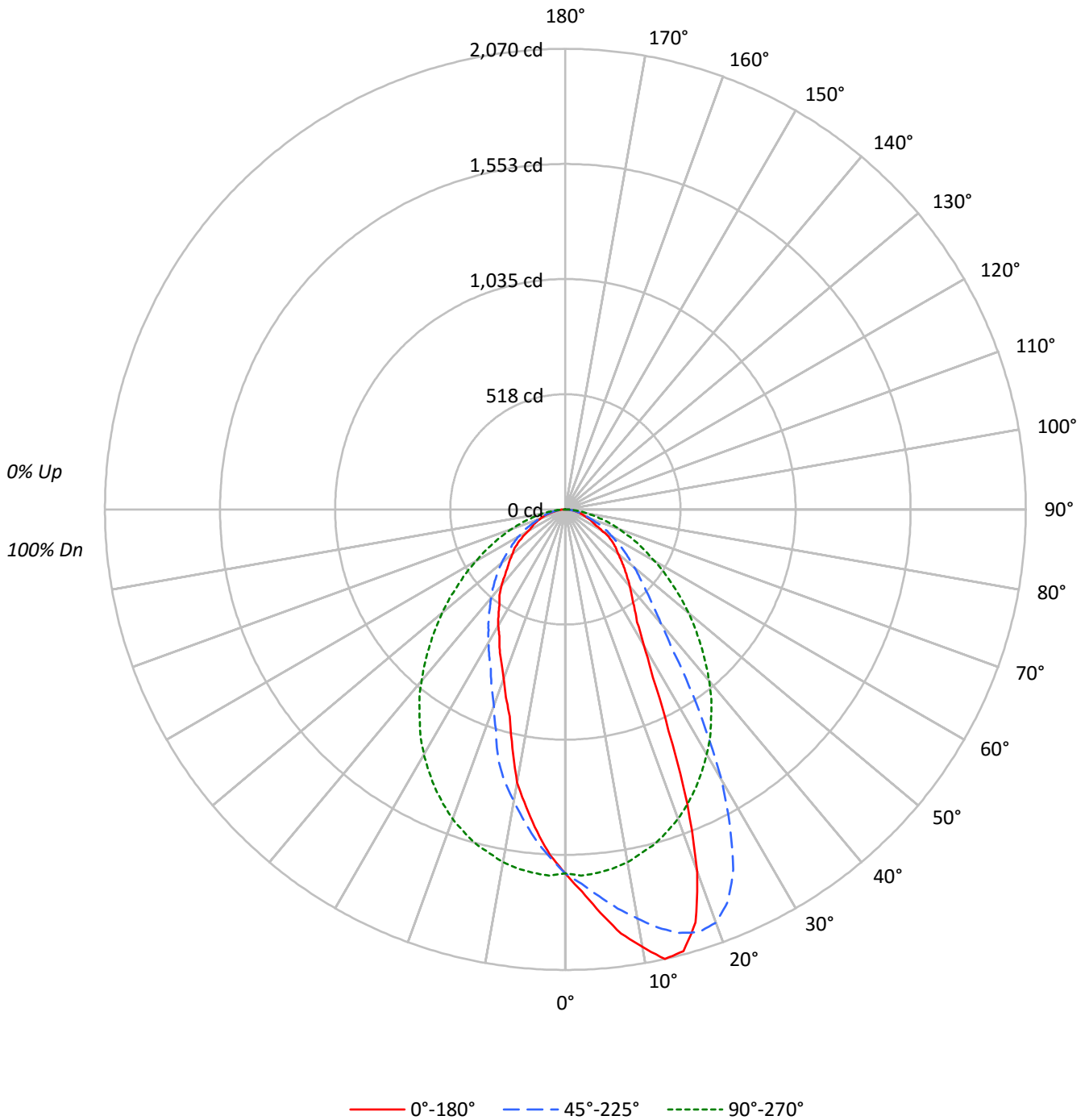
Lumens per Lamp: N/A
Luminaire Lumens: 2827.8 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Direct

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: P333878
CATALOG NUMBER: SA2XXRDP-C865D940-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333878

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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° | 26421 | 26421 | 26421 |
| 5° | 29509 | 26587 | 23574 |
| 10° | 32739 | 26401 | 20435 |
| 15° | 34348 | 26014 | 16100 |
| 20° | 29778 | 25441 | 13931 |
| 25° | 19531 | 24656 | 12438 |
| 30° | 13146 | 23703 | 11259 |
| 35° | 10648 | 22505 | 10155 |
| 40° | 9468 | 21201 | 9396 |
| 45° | 8569 | 19669 | 8387 |
| 50° | 7799 | 18153 | 7769 |
| 55° | 7330 | 16470 | 7234 |
| 60° | 6132 | 14928 | 6058 |
| 65° | 5169 | 13555 | 5864 |
| 70° | 4777 | 12104 | 5528 |
| 75° | 4467 | 10536 | 5109 |
| 80° | 4128 | 8675 | 4547 |
| 85° | 3798 | 6854 | 4001 |



TEST NUMBER: P333878

CATALOG NUMBER: SA2XXRDP-C865D940-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 155.2 | 5.5 |
| 10°-20° | 433.2 | 15.3 |
| 20°-30° | 557.6 | 19.7 |
| 30°-40° | 529.0 | 18.7 |
| 40°-50° | 453.2 | 16.0 |
| 50°-60° | 345.3 | 12.2 |
| 60°-70° | 217.8 | 7.7 |
| 70°-80° | 108.7 | 3.8 |
| 80°-90° | 27.9 | 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° | 1146.0 | 40.5 |
| 0°-40° | 1675.0 | 59.2 |
| 0°-60° | 2473.5 | 87.5 |
| 0°-90° | 2827.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2827.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1636 | 1636 | 1636 | 1636 | 1636 | |
| 5° | 1821 | 1746 | 1640 | 1495 | 1454 | 179 |
| 15° | 2055 | 1971 | 1556 | 1165 | 963 | 559 |
| 25° | 1096 | 1786 | 1384 | 793 | 698 | 518 |
| 35° | 540 | 971 | 1142 | 602 | 515 | 344 |
| 45° | 375 | 512 | 861 | 444 | 367 | 290 |
| 55° | 260 | 318 | 585 | 301 | 257 | 229 |
| 65° | 135 | 182 | 355 | 181 | 154 | 137 |
| 75° | 72 | 80 | 169 | 92 | 82 | 76 |
| 85° | 20 | 21 | 37 | 22 | 22 | 23 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P333878

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 |
| 2.5° | 1719.5 | 1721.2 | 1722.9 | 1718.9 | 1718.9 | 1715.5 | 1708.1 | 1702.4 | 1686.5 | 1684.2 | 1684.2 |
| 5° | 1820.7 | 1819.5 | 1821.8 | 1814.4 | 1804.2 | 1801.9 | 1791.1 | 1776.9 | 1762.1 | 1745.6 | 1742.2 |
| 7.5° | 1923.0 | 1916.2 | 1913.4 | 1916.8 | 1906.0 | 1891.2 | 1873.0 | 1855.9 | 1830.3 | 1809.3 | 1796.2 |
| 10° | 1996.9 | 2015.7 | 2004.3 | 1984.4 | 1988.4 | 1961.7 | 1947.5 | 1923.0 | 1902.6 | 1866.7 | 1858.8 |
| 12.5° | 2069.7 | 2074.3 | 2072.6 | 2063.5 | 2056.1 | 2039.6 | 2019.1 | 1998.7 | 1956.6 | 1925.3 | 1892.3 |
| 15° | 2054.9 | 2065.7 | 2068.6 | 2065.2 | 2068.0 | 2066.9 | 2056.6 | 2039.0 | 2006.0 | 1970.8 | 1940.1 |
| 17.5° | 1945.8 | 1958.3 | 1968.5 | 1977.6 | 1991.8 | 2019.7 | 2028.2 | 2031.6 | 2018.0 | 1993.0 | 1967.4 |
| 20° | 1733.1 | 1720.6 | 1772.9 | 1799.6 | 1822.4 | 1879.2 | 1928.1 | 1946.9 | 1977.0 | 1976.5 | 1970.8 |
| 22.5° | 1431.8 | 1438.6 | 1487.5 | 1520.5 | 1597.8 | 1654.6 | 1712.1 | 1795.7 | 1861.0 | 1909.4 | 1938.9 |
| 25° | 1096.3 | 1117.9 | 1167.3 | 1210.6 | 1284.5 | 1390.2 | 1486.3 | 1597.8 | 1703.0 | 1786.0 | 1865.0 |
| 27.5° | 852.9 | 855.8 | 900.7 | 944.5 | 989.9 | 1081.5 | 1210.0 | 1343.6 | 1493.7 | 1601.8 | 1738.2 |
| 30° | 705.1 | 701.7 | 718.1 | 742.6 | 780.1 | 847.2 | 938.2 | 1069.0 | 1218.5 | 1405.0 | 1571.1 |
| 32.5° | 600.4 | 601.6 | 613.0 | 629.4 | 659.0 | 698.8 | 754.0 | 854.0 | 993.4 | 1175.9 | 1377.7 |
| 35° | 540.2 | 539.6 | 548.7 | 561.8 | 574.9 | 603.9 | 646.5 | 702.2 | 799.5 | 970.6 | 1169.6 |
| 37.5° | 490.1 | 493.0 | 497.0 | 505.5 | 521.4 | 538.5 | 565.2 | 604.4 | 678.3 | 784.7 | 963.2 |
| 40° | 449.2 | 450.3 | 456.6 | 463.4 | 471.9 | 484.5 | 505.5 | 535.6 | 586.2 | 667.0 | 789.2 |
| 42.5° | 411.7 | 412.8 | 416.8 | 423.0 | 429.3 | 441.8 | 458.3 | 483.3 | 522.0 | 580.5 | 676.1 |
| 45° | 375.3 | 375.3 | 379.3 | 382.1 | 389.5 | 400.9 | 415.1 | 436.7 | 465.1 | 511.7 | 578.8 |
| 47.5° | 340.0 | 340.0 | 342.9 | 348.0 | 353.1 | 362.2 | 377.0 | 395.2 | 415.7 | 453.7 | 513.5 |
| 50° | 310.5 | 311.0 | 312.7 | 316.7 | 319.6 | 327.5 | 338.3 | 353.7 | 375.3 | 403.1 | 450.9 |
| 52.5° | 286.6 | 286.0 | 288.3 | 289.4 | 291.1 | 296.2 | 303.6 | 316.7 | 335.5 | 358.8 | 396.3 |
| 55° | 260.4 | 258.1 | 261.6 | 264.4 | 266.1 | 268.4 | 272.9 | 281.5 | 297.9 | 318.4 | 348.0 |
| 57.5° | 229.7 | 228.6 | 230.3 | 233.1 | 238.2 | 243.9 | 246.8 | 252.5 | 261.0 | 276.9 | 308.2 |
| 60° | 189.9 | 189.9 | 195.0 | 196.7 | 203.0 | 211.0 | 218.9 | 223.5 | 232.0 | 241.7 | 263.3 |
| 62.5° | 154.7 | 155.2 | 156.9 | 158.6 | 161.5 | 171.7 | 183.7 | 195.0 | 203.0 | 212.1 | 224.6 |
| 65° | 135.3 | 136.5 | 136.5 | 137.6 | 139.9 | 142.2 | 146.7 | 154.7 | 168.9 | 182.0 | 192.8 |
| 67.5° | 118.3 | 118.3 | 118.8 | 120.0 | 120.5 | 123.4 | 125.1 | 129.1 | 131.9 | 146.7 | 161.5 |
| 70° | 101.2 | 102.9 | 102.3 | 103.5 | 104.1 | 105.2 | 107.5 | 109.2 | 114.3 | 117.1 | 125.1 |
| 72.5° | 85.3 | 86.4 | 86.4 | 87.0 | 88.7 | 88.7 | 90.4 | 92.1 | 95.0 | 97.2 | 100.6 |
| 75° | 71.6 | 71.1 | 71.6 | 72.8 | 73.4 | 73.9 | 73.9 | 76.2 | 77.9 | 80.2 | 83.0 |
| 77.5° | 58.0 | 58.6 | 58.6 | 58.6 | 58.6 | 59.7 | 59.7 | 60.8 | 62.5 | 63.7 | 65.4 |
| 80° | 44.4 | 44.9 | 44.4 | 44.9 | 45.5 | 46.1 | 45.5 | 46.1 | 47.8 | 48.9 | 48.9 |
| 82.5° | 31.8 | 31.8 | 32.4 | 32.4 | 32.4 | 32.4 | 33.5 | 33.5 | 34.7 | 34.1 | 34.7 |
| 85° | 20.5 | 19.9 | 19.9 | 19.9 | 20.5 | 21.0 | 20.5 | 20.5 | 21.0 | 21.0 | 21.0 |
| 87.5° | 9.1 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 10.2 | 9.7 | 10.2 | 9.7 |
| 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: P333878

CATALOG NUMBER: SA2XXRDP-C865D940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 |
| 2.5° | 1685.3 | 1680.8 | 1676.8 | 1666.6 | 1661.5 | 1650.1 | 1648.4 | 1647.8 | 1633.0 | 1618.8 | 1614.8 |
| 5° | 1733.1 | 1724.0 | 1710.4 | 1694.4 | 1678.0 | 1660.9 | 1649.5 | 1640.4 | 1617.7 | 1596.1 | 1583.6 |
| 7.5° | 1780.3 | 1763.8 | 1742.2 | 1714.9 | 1691.6 | 1664.3 | 1645.5 | 1628.5 | 1597.2 | 1568.8 | 1550.0 |
| 10° | 1834.3 | 1802.5 | 1771.2 | 1729.7 | 1697.3 | 1665.4 | 1635.9 | 1610.3 | 1573.9 | 1533.0 | 1504.0 |
| 12.5° | 1867.9 | 1832.0 | 1786.0 | 1745.6 | 1701.3 | 1658.6 | 1616.5 | 1581.9 | 1537.5 | 1494.9 | 1459.0 |
| 15° | 1897.4 | 1859.9 | 1807.6 | 1749.6 | 1695.6 | 1642.7 | 1597.2 | 1556.3 | 1500.6 | 1449.9 | 1407.9 |
| 17.5° | 1924.7 | 1873.0 | 1819.0 | 1751.9 | 1692.2 | 1627.9 | 1570.5 | 1519.3 | 1458.5 | 1398.8 | 1351.0 |
| 20° | 1936.7 | 1885.5 | 1820.7 | 1753.6 | 1679.7 | 1600.6 | 1537.5 | 1480.7 | 1414.1 | 1347.6 | 1290.7 |
| 22.5° | 1929.3 | 1892.3 | 1818.4 | 1734.8 | 1658.6 | 1575.0 | 1501.7 | 1433.5 | 1357.8 | 1289.6 | 1221.4 |
| 25° | 1890.6 | 1877.0 | 1808.7 | 1721.2 | 1634.7 | 1538.6 | 1456.2 | 1384.0 | 1299.8 | 1227.1 | 1155.4 |
| 27.5° | 1819.5 | 1839.4 | 1791.1 | 1696.2 | 1602.9 | 1499.4 | 1409.6 | 1328.3 | 1242.4 | 1161.1 | 1089.4 |
| 30° | 1707.0 | 1774.6 | 1756.4 | 1670.0 | 1562.5 | 1461.3 | 1357.3 | 1271.4 | 1178.2 | 1094.0 | 1023.5 |
| 32.5° | 1552.9 | 1675.7 | 1702.4 | 1633.6 | 1521.6 | 1407.9 | 1297.6 | 1212.3 | 1113.9 | 1024.1 | 955.8 |
| 35° | 1387.4 | 1554.6 | 1631.3 | 1585.3 | 1473.8 | 1353.9 | 1241.3 | 1141.8 | 1044.0 | 956.4 | 888.2 |
| 37.5° | 1191.2 | 1414.1 | 1532.4 | 1527.3 | 1420.9 | 1298.7 | 1176.4 | 1078.1 | 977.4 | 891.0 | 819.9 |
| 40° | 1001.3 | 1248.1 | 1414.7 | 1451.7 | 1365.2 | 1230.5 | 1106.5 | 1005.9 | 908.1 | 823.9 | 739.2 |
| 42.5° | 830.7 | 1076.4 | 1290.7 | 1361.8 | 1297.6 | 1163.9 | 1039.4 | 933.1 | 838.7 | 760.2 | 673.2 |
| 45° | 699.4 | 914.3 | 1140.1 | 1254.9 | 1216.8 | 1092.9 | 961.5 | 861.4 | 772.2 | 703.4 | 620.3 |
| 47.5° | 605.6 | 761.9 | 988.8 | 1138.9 | 1134.4 | 1016.7 | 885.9 | 789.8 | 705.6 | 642.0 | 571.4 |
| 50° | 527.7 | 659.6 | 844.4 | 1020.6 | 1035.4 | 940.5 | 817.7 | 722.7 | 645.4 | 577.7 | 523.7 |
| 52.5° | 457.7 | 560.6 | 722.1 | 889.3 | 938.2 | 859.2 | 740.9 | 655.0 | 580.5 | 519.7 | 475.4 |
| 55° | 398.6 | 482.7 | 609.0 | 767.0 | 830.7 | 772.7 | 667.0 | 585.1 | 524.3 | 471.9 | 432.1 |
| 57.5° | 346.8 | 412.8 | 518.0 | 650.5 | 722.7 | 683.5 | 593.1 | 525.4 | 471.4 | 422.5 | 390.6 |
| 60° | 298.5 | 350.3 | 436.1 | 542.5 | 624.3 | 598.7 | 524.3 | 462.3 | 417.9 | 377.0 | 347.4 |
| 62.5° | 253.0 | 295.7 | 366.2 | 447.5 | 520.8 | 514.0 | 456.6 | 407.1 | 369.6 | 333.2 | 309.3 |
| 65° | 211.0 | 243.4 | 300.8 | 368.5 | 428.7 | 433.8 | 390.1 | 354.8 | 320.1 | 290.6 | 268.4 |
| 67.5° | 174.6 | 196.7 | 240.0 | 299.7 | 345.7 | 361.6 | 332.1 | 303.6 | 275.2 | 251.3 | 231.4 |
| 70° | 141.6 | 158.6 | 188.2 | 234.3 | 275.8 | 292.8 | 277.5 | 256.4 | 232.6 | 213.8 | 197.3 |
| 72.5° | 108.0 | 124.5 | 144.4 | 175.1 | 209.2 | 228.0 | 225.2 | 211.5 | 193.3 | 178.5 | 163.2 |
| 75° | 86.4 | 91.5 | 106.3 | 129.1 | 156.9 | 172.9 | 176.8 | 168.9 | 153.5 | 141.6 | 132.5 |
| 77.5° | 67.1 | 70.5 | 78.5 | 92.1 | 111.4 | 125.7 | 131.9 | 130.8 | 119.4 | 111.4 | 102.9 |
| 80° | 51.2 | 52.9 | 56.3 | 61.4 | 75.1 | 89.3 | 93.3 | 93.3 | 85.9 | 83.0 | 74.5 |
| 82.5° | 35.8 | 37.0 | 38.7 | 40.9 | 45.5 | 57.4 | 62.0 | 63.1 | 59.1 | 55.2 | 48.9 |
| 85° | 22.2 | 21.6 | 22.7 | 24.5 | 25.6 | 29.0 | 35.8 | 37.0 | 35.8 | 31.3 | 29.6 |
| 87.5° | 9.7 | 10.2 | 10.2 | 9.7 | 10.2 | 10.8 | 13.6 | 16.5 | 14.2 | 12.5 | 11.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 | 1636.4 |
| 2.5° | 1607.4 | 1603.5 | 1596.1 | 1584.7 | 1577.9 | 1565.9 | 1558.0 | 1562.5 | 1563.7 | 1562.5 | 1561.4 |
| 5° | 1569.9 | 1558.0 | 1541.5 | 1525.6 | 1510.8 | 1494.9 | 1485.8 | 1481.8 | 1473.8 | 1469.3 | 1467.0 |
| 7.5° | 1527.3 | 1509.6 | 1486.3 | 1460.7 | 1436.9 | 1414.1 | 1403.9 | 1395.9 | 1381.1 | 1373.2 | 1365.8 |
| 10° | 1478.4 | 1446.0 | 1422.7 | 1386.3 | 1364.1 | 1331.7 | 1309.5 | 1310.1 | 1287.9 | 1275.4 | 1266.3 |
| 12.5° | 1424.4 | 1388.0 | 1345.3 | 1313.5 | 1280.5 | 1256.1 | 1228.2 | 1214.5 | 1190.7 | 1178.7 | 1150.3 |
| 15° | 1363.5 | 1322.0 | 1281.1 | 1236.7 | 1205.4 | 1165.1 | 1126.4 | 1079.2 | 1041.1 | 1008.1 | 999.0 |
| 17.5° | 1298.7 | 1247.5 | 1207.2 | 1161.7 | 1112.8 | 1039.4 | 991.6 | 962.7 | 939.9 | 922.8 | 909.2 |
| 20° | 1231.6 | 1179.3 | 1135.5 | 1057.0 | 984.8 | 938.8 | 905.8 | 884.8 | 860.9 | 842.1 | 831.9 |
| 22.5° | 1161.1 | 1105.9 | 1042.3 | 952.4 | 900.1 | 865.4 | 837.0 | 812.0 | 797.8 | 784.1 | 775.0 |
| 25° | 1095.1 | 1035.4 | 937.1 | 876.8 | 831.3 | 792.6 | 772.2 | 757.4 | 740.3 | 720.4 | 711.3 |
| 27.5° | 1026.3 | 931.4 | 856.9 | 813.1 | 766.5 | 742.0 | 724.4 | 700.0 | 684.6 | 677.2 | 667.0 |
| 30° | 947.3 | 852.3 | 797.2 | 748.3 | 717.6 | 689.7 | 668.1 | 655.6 | 640.8 | 625.5 | 619.2 |
| 32.5° | 859.2 | 788.1 | 735.8 | 697.1 | 665.8 | 643.1 | 627.2 | 605.0 | 595.3 | 587.4 | 572.6 |
| 35° | 789.2 | 731.8 | 683.5 | 650.5 | 620.9 | 601.6 | 581.7 | 569.7 | 550.4 | 542.5 | 537.3 |
| 37.5° | 725.5 | 675.5 | 639.1 | 602.7 | 580.0 | 557.2 | 545.9 | 526.0 | 518.6 | 506.1 | 495.8 |
| 40° | 673.2 | 624.3 | 589.6 | 561.2 | 535.1 | 519.1 | 503.8 | 488.4 | 475.9 | 470.8 | 457.7 |
| 42.5° | 619.8 | 582.3 | 547.6 | 515.7 | 500.4 | 483.3 | 462.8 | 452.6 | 439.5 | 430.4 | 423.6 |
| 45° | 571.4 | 536.2 | 506.6 | 481.0 | 461.7 | 444.1 | 431.6 | 412.8 | 405.4 | 388.9 | 382.1 |
| 47.5° | 528.8 | 494.7 | 466.3 | 441.2 | 421.9 | 411.7 | 393.5 | 377.0 | 366.8 | 355.4 | 345.7 |
| 50° | 482.7 | 455.5 | 428.2 | 406.6 | 389.5 | 373.0 | 354.2 | 346.8 | 328.7 | 323.5 | 318.4 |
| 52.5° | 440.7 | 415.1 | 390.6 | 369.6 | 352.5 | 336.6 | 320.7 | 310.5 | 299.7 | 294.5 | 291.1 |
| 55° | 402.0 | 377.0 | 353.1 | 334.3 | 317.3 | 300.8 | 290.6 | 278.6 | 272.9 | 269.0 | 264.4 |
| 57.5° | 362.2 | 339.5 | 320.7 | 301.4 | 284.3 | 270.7 | 258.1 | 251.3 | 245.6 | 241.1 | 234.8 |
| 60° | 324.7 | 303.1 | 286.6 | 269.0 | 251.3 | 240.5 | 231.4 | 222.9 | 216.1 | 208.1 | 205.8 |
| 62.5° | 284.9 | 266.7 | 251.9 | 234.8 | 220.1 | 210.4 | 201.9 | 193.9 | 185.4 | 172.9 | 169.4 |
| 65° | 249.0 | 234.3 | 218.3 | 204.1 | 190.5 | 180.8 | 168.3 | 159.2 | 155.8 | 154.7 | 154.1 |
| 67.5° | 216.1 | 201.9 | 188.2 | 173.4 | 160.9 | 150.1 | 142.7 | 141.6 | 139.3 | 138.7 | 137.0 |
| 70° | 183.1 | 170.0 | 156.4 | 142.7 | 130.8 | 129.1 | 126.8 | 124.5 | 121.7 | 120.5 | 119.4 |
| 72.5° | 153.5 | 139.9 | 126.2 | 116.0 | 112.6 | 110.3 | 108.0 | 105.8 | 104.1 | 102.9 | 102.3 |
| 75° | 122.3 | 109.7 | 100.6 | 96.7 | 93.8 | 92.1 | 88.7 | 87.0 | 85.9 | 84.2 | 83.6 |
| 77.5° | 93.3 | 85.3 | 80.7 | 78.5 | 75.1 | 73.4 | 71.1 | 69.4 | 67.7 | 67.7 | 66.5 |
| 80° | 67.1 | 63.7 | 60.8 | 57.4 | 56.3 | 54.0 | 53.4 | 51.7 | 52.3 | 50.6 | 50.6 |
| 82.5° | 48.3 | 43.8 | 41.5 | 40.4 | 39.2 | 37.5 | 37.0 | 36.4 | 36.4 | 35.3 | 35.3 |
| 85° | 26.7 | 25.6 | 24.5 | 23.3 | 23.3 | 21.6 | 22.2 | 21.6 | 21.6 | 20.5 | 19.9 |
| 87.5° | 10.8 | 10.2 | 9.1 | 9.1 | 9.1 | 8.5 | 8.5 | 8.0 | 8.0 | 8.0 | 7.4 |
| 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: P333878

CATALOG NUMBER: SA2XXRDP-C865D940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1636.4 | 1636.4 | 1636.4 | 1636.4 |
| 2.5° | 1555.1 | 1556.3 | 1554.6 | 1555.7 |
| 5° | 1464.2 | 1457.3 | 1456.2 | 1454.5 |
| 7.5° | 1356.7 | 1356.1 | 1352.7 | 1348.7 |
| 10° | 1253.8 | 1250.9 | 1250.4 | 1246.4 |
| 12.5° | 1133.2 | 1111.1 | 1108.8 | 1097.4 |
| 15° | 985.4 | 982.0 | 970.6 | 963.2 |
| 17.5° | 902.9 | 891.6 | 887.6 | 885.9 |
| 20° | 823.9 | 813.7 | 812.0 | 810.8 |
| 22.5° | 769.3 | 758.5 | 753.4 | 749.4 |
| 25° | 705.6 | 701.7 | 699.4 | 698.2 |
| 27.5° | 655.6 | 645.4 | 644.2 | 641.4 |
| 30° | 614.1 | 611.3 | 607.3 | 603.9 |
| 32.5° | 565.2 | 562.9 | 559.5 | 558.4 |
| 35° | 531.6 | 523.7 | 520.3 | 515.2 |
| 37.5° | 494.7 | 490.1 | 484.5 | 486.7 |
| 40° | 450.3 | 447.5 | 446.4 | 445.8 |
| 42.5° | 415.1 | 406.0 | 402.6 | 402.6 |
| 45° | 379.3 | 371.9 | 366.8 | 367.3 |
| 47.5° | 340.6 | 341.2 | 337.8 | 338.9 |
| 50° | 314.4 | 311.0 | 308.8 | 309.3 |
| 52.5° | 289.4 | 286.6 | 284.9 | 287.7 |
| 55° | 261.6 | 258.1 | 257.6 | 257.0 |
| 57.5° | 231.4 | 229.7 | 226.9 | 225.2 |
| 60° | 198.4 | 193.9 | 188.2 | 187.6 |
| 62.5° | 168.3 | 168.3 | 168.3 | 168.3 |
| 65° | 153.0 | 152.4 | 153.0 | 153.5 |
| 67.5° | 137.0 | 135.9 | 134.8 | 135.3 |
| 70° | 118.3 | 117.7 | 117.1 | 117.1 |
| 72.5° | 100.1 | 100.1 | 99.5 | 98.9 |
| 75° | 83.0 | 81.9 | 81.9 | 81.9 |
| 77.5° | 66.5 | 66.0 | 65.4 | 64.8 |
| 80° | 50.0 | 49.5 | 48.9 | 48.9 |
| 82.5° | 35.3 | 34.7 | 34.7 | 34.1 |
| 85° | 20.5 | 21.0 | 20.5 | 21.6 |
| 87.5° | 7.4 | 6.8 | 7.4 | 6.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)