

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: PORTFOLIO

Report Number: P246094

Luminaire Tested: **LD8B40D010 ER8B40927 8LBDW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13957)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B40D010 ER8B40927 8LBDW0GPH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3415.5 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

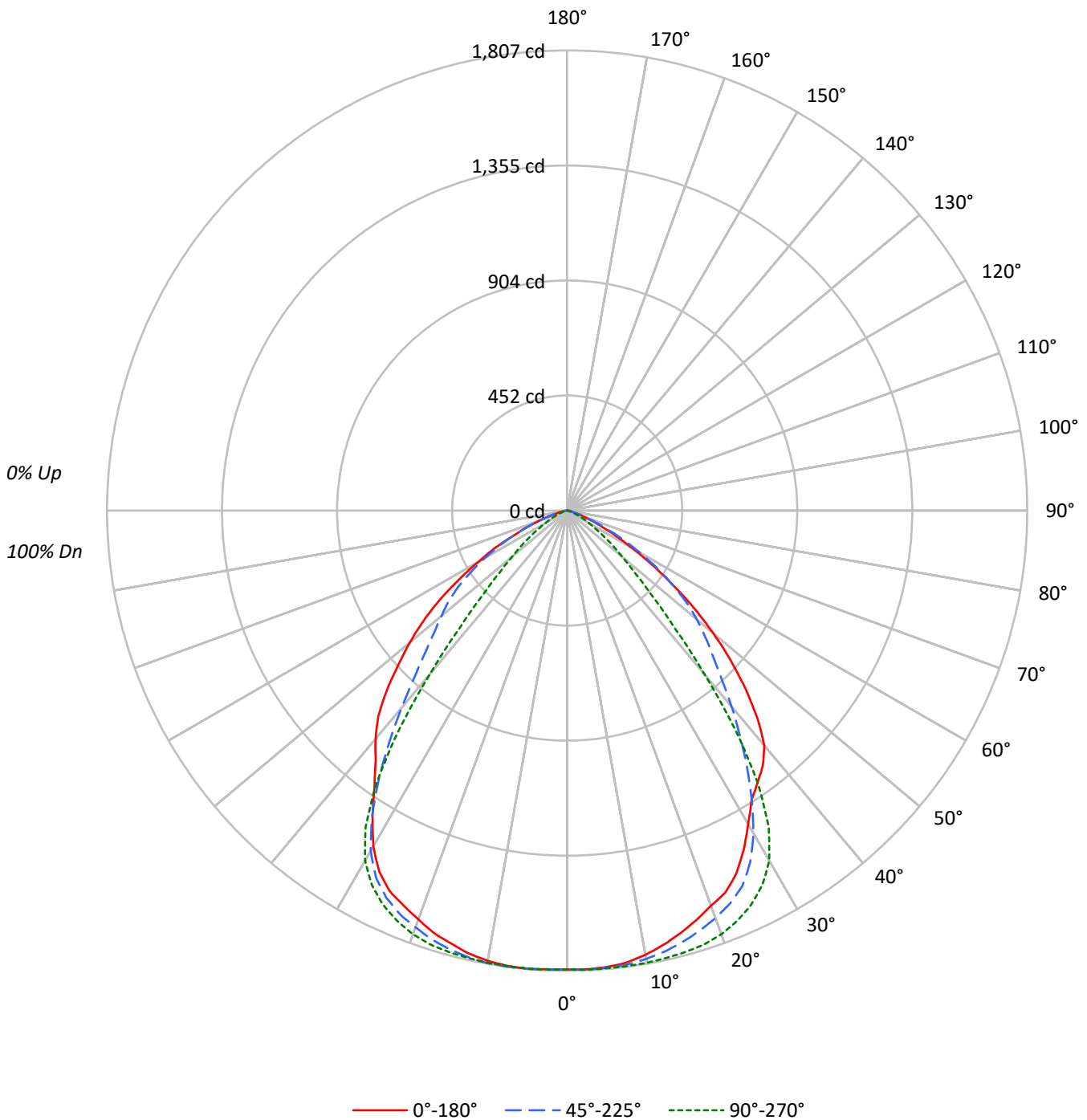
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246094

CATALOG NUMBER: LD8B40D010 ER8B40927 8LBDW0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P246094

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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 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 90 |
| 2 | 104 | 97 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 |
| 4 | 89 | 80 | 72 | 67 | 87 | 78 | 72 | 66 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 62 |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 68 | 62 | 58 | 66 | 61 | 57 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 |
| 7 | 72 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 |

AVERAGE LUMINANCE (cd/sqm):

| | | | |
|-----|--|-----|------|
| | 0° | 90° | 180° |
| 0° | Luminaire represents a point source (luminous area is zero). | | |
| 5° | No luminance values can be calculated. | | |
| 10° | | | |
| 15° | | | |
| 20° | | | |
| 25° | | | |
| 30° | | | |
| 35° | | | |
| 40° | | | |
| 45° | | | |
| 50° | | | |
| 55° | | | |
| 60° | | | |
| 65° | | | |
| 70° | | | |
| 75° | | | |
| 80° | | | |
| 85° | | | |



TEST NUMBER: P246094

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 172.0 | 5.0 |
| 10°-20° | 499.5 | 14.6 |
| 20°-30° | 758.1 | 22.2 |
| 30°-40° | 796.2 | 23.3 |
| 40°-50° | 597.0 | 17.5 |
| 50°-60° | 383.0 | 11.2 |
| 60°-70° | 163.8 | 4.8 |
| 70°-80° | 38.7 | 1.1 |
| 80°-90° | 7.2 | 0.2 |
| 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° | 1429.5 | 41.9 |
| 0°-40° | 2225.8 | 65.2 |
| 0°-60° | 3205.7 | 93.9 |
| 0°-90° | 3415.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3415.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1802 | 1802 | 1802 | 1802 | 1802 | |
| 5° | 1799 | 1802 | 1804 | 1807 | 1806 | 171 |
| 15° | 1718 | 1754 | 1794 | 1783 | 1760 | 485 |
| 25° | 1572 | 1627 | 1709 | 1678 | 1649 | 718 |
| 35° | 1304 | 1231 | 1305 | 1289 | 1318 | 818 |
| 45° | 991 | 810 | 465 | 786 | 1004 | 759 |
| 55° | 501 | 501 | 173 | 522 | 610 | 455 |
| 65° | 151 | 178 | 55 | 229 | 233 | 161 |
| 75° | 23 | 27 | 8 | 46 | 45 | 34 |
| 85° | 8 | 5 | 4 | 8 | 11 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P246094

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 |
| 2.5° | 1803.0 | 1805.0 | 1804.0 | 1804.0 | 1803.0 | 1804.0 | 1804.0 | 1806.0 | 1806.0 | 1804.0 | 1803.0 |
| 5° | 1799.2 | 1801.1 | 1801.1 | 1799.2 | 1799.2 | 1804.0 | 1801.1 | 1803.0 | 1803.0 | 1802.1 | 1802.1 |
| 7.5° | 1790.4 | 1790.4 | 1794.4 | 1791.4 | 1791.4 | 1794.4 | 1793.4 | 1795.3 | 1797.3 | 1798.2 | 1798.2 |
| 10° | 1771.1 | 1773.1 | 1774.0 | 1774.0 | 1775.0 | 1778.0 | 1779.9 | 1783.7 | 1785.6 | 1787.6 | 1788.5 |
| 12.5° | 1747.0 | 1749.8 | 1750.8 | 1749.8 | 1752.8 | 1756.6 | 1761.5 | 1766.2 | 1769.2 | 1773.1 | 1775.9 |
| 15° | 1717.9 | 1717.9 | 1719.9 | 1722.8 | 1724.7 | 1730.5 | 1735.3 | 1741.2 | 1748.9 | 1753.8 | 1758.6 |
| 17.5° | 1686.0 | 1688.0 | 1690.9 | 1690.9 | 1694.7 | 1704.4 | 1707.3 | 1716.0 | 1724.7 | 1729.6 | 1739.2 |
| 20° | 1651.2 | 1653.1 | 1656.0 | 1657.9 | 1662.8 | 1670.5 | 1676.4 | 1684.1 | 1693.8 | 1702.5 | 1712.1 |
| 22.5° | 1624.0 | 1620.2 | 1622.1 | 1624.0 | 1629.0 | 1635.8 | 1642.5 | 1652.2 | 1661.8 | 1670.5 | 1680.2 |
| 25° | 1571.9 | 1572.9 | 1575.8 | 1577.7 | 1583.4 | 1589.3 | 1597.0 | 1608.6 | 1617.3 | 1627.0 | 1637.7 |
| 27.5° | 1501.3 | 1502.2 | 1507.0 | 1507.0 | 1511.9 | 1521.6 | 1526.4 | 1536.1 | 1547.7 | 1557.3 | 1569.9 |
| 30° | 1421.0 | 1422.9 | 1422.9 | 1426.7 | 1429.6 | 1434.5 | 1439.3 | 1449.0 | 1454.9 | 1463.5 | 1481.0 |
| 32.5° | 1347.4 | 1349.3 | 1348.4 | 1347.4 | 1344.6 | 1343.6 | 1342.6 | 1344.6 | 1346.5 | 1349.3 | 1356.2 |
| 35° | 1304.0 | 1299.0 | 1295.2 | 1288.5 | 1280.7 | 1271.0 | 1262.4 | 1250.8 | 1240.1 | 1231.4 | 1221.8 |
| 37.5° | 1262.4 | 1261.4 | 1255.6 | 1245.8 | 1230.4 | 1213.0 | 1192.7 | 1167.5 | 1142.3 | 1115.3 | 1089.2 |
| 40° | 1204.3 | 1201.4 | 1196.6 | 1183.0 | 1165.6 | 1144.4 | 1117.2 | 1086.3 | 1045.7 | 1004.1 | 961.5 |
| 42.5° | 1105.6 | 1106.6 | 1100.8 | 1090.1 | 1073.7 | 1053.3 | 1025.3 | 991.5 | 947.9 | 898.6 | 843.5 |
| 45° | 990.6 | 990.6 | 988.5 | 979.9 | 968.3 | 951.9 | 930.6 | 902.5 | 860.0 | 809.7 | 750.6 |
| 47.5° | 870.5 | 871.5 | 868.6 | 866.7 | 861.9 | 851.3 | 835.8 | 814.5 | 784.5 | 736.1 | 677.1 |
| 50° | 748.7 | 748.7 | 753.5 | 752.5 | 752.5 | 748.7 | 741.9 | 729.3 | 703.2 | 664.5 | 609.4 |
| 52.5° | 626.8 | 628.8 | 631.7 | 635.5 | 640.4 | 648.1 | 640.4 | 634.5 | 618.1 | 588.2 | 540.7 |
| 55° | 501.1 | 503.0 | 507.8 | 514.6 | 520.4 | 528.2 | 530.1 | 530.1 | 521.3 | 501.1 | 465.3 |
| 57.5° | 393.8 | 390.8 | 394.7 | 400.5 | 408.3 | 415.9 | 421.8 | 428.5 | 427.5 | 414.0 | 385.0 |
| 60° | 296.0 | 297.0 | 299.8 | 305.7 | 311.5 | 318.3 | 326.0 | 331.8 | 334.7 | 327.9 | 309.5 |
| 62.5° | 215.7 | 215.7 | 219.6 | 225.3 | 228.3 | 237.9 | 242.8 | 245.7 | 248.6 | 247.6 | 236.0 |
| 65° | 150.9 | 152.8 | 154.8 | 157.7 | 160.5 | 166.4 | 169.3 | 175.0 | 177.0 | 178.0 | 169.3 |
| 67.5° | 106.4 | 103.5 | 105.4 | 107.3 | 110.2 | 114.2 | 119.9 | 119.9 | 122.8 | 122.8 | 117.0 |
| 70° | 67.7 | 67.7 | 68.7 | 71.6 | 73.5 | 74.5 | 76.4 | 78.3 | 81.2 | 80.3 | 80.3 |
| 72.5° | 45.4 | 44.6 | 45.4 | 46.5 | 47.4 | 50.3 | 50.3 | 51.3 | 53.2 | 54.2 | 50.3 |
| 75° | 23.2 | 24.2 | 26.1 | 25.2 | 28.0 | 26.1 | 27.1 | 30.0 | 29.0 | 27.1 | 27.1 |
| 77.5° | 19.3 | 19.3 | 19.3 | 18.3 | 20.4 | 20.4 | 19.3 | 21.3 | 20.4 | 20.4 | 19.3 |
| 80° | 13.5 | 14.5 | 13.5 | 12.6 | 13.5 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 11.6 |
| 82.5° | 10.7 | 8.7 | 9.7 | 8.7 | 9.7 | 9.7 | 8.7 | 7.8 | 7.8 | 8.7 | 7.8 |
| 85° | 7.8 | 5.9 | 6.8 | 6.8 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 4.8 | 4.8 |
| 87.5° | 4.8 | 2.9 | 2.9 | 2.9 | 3.8 | 3.8 | 3.8 | 2.9 | 3.8 | 3.8 | 1.9 |
| 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: P246094

CATALOG NUMBER: LD8B40D010 ER8B40927 8LBDW0GPH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 |
| 2.5° | 1805.0 | 1804.0 | 1806.0 | 1805.0 | 1805.0 | 1804.0 | 1805.0 | 1804.0 | 1806.0 | 1802.1 | 1803.0 |
| 5° | 1805.0 | 1803.0 | 1804.0 | 1805.0 | 1806.0 | 1804.0 | 1804.0 | 1804.0 | 1806.0 | 1804.0 | 1805.0 |
| 7.5° | 1801.1 | 1800.1 | 1803.0 | 1805.0 | 1804.0 | 1803.0 | 1805.0 | 1804.0 | 1806.0 | 1805.0 | 1806.9 |
| 10° | 1793.4 | 1794.4 | 1796.3 | 1799.2 | 1800.1 | 1801.1 | 1803.0 | 1803.0 | 1806.0 | 1802.1 | 1804.0 |
| 12.5° | 1781.8 | 1785.6 | 1790.4 | 1792.4 | 1796.3 | 1796.3 | 1798.2 | 1799.2 | 1801.1 | 1800.1 | 1803.0 |
| 15° | 1767.3 | 1772.1 | 1778.0 | 1782.8 | 1787.6 | 1790.4 | 1793.4 | 1794.4 | 1797.3 | 1794.4 | 1795.3 |
| 17.5° | 1749.8 | 1755.7 | 1764.3 | 1770.2 | 1778.0 | 1780.8 | 1784.7 | 1786.6 | 1789.5 | 1787.6 | 1788.5 |
| 20° | 1725.6 | 1732.5 | 1742.1 | 1750.8 | 1755.7 | 1762.4 | 1767.3 | 1770.2 | 1772.1 | 1770.2 | 1771.1 |
| 22.5° | 1691.8 | 1701.4 | 1714.0 | 1720.8 | 1730.5 | 1736.3 | 1737.2 | 1744.1 | 1748.9 | 1744.1 | 1746.0 |
| 25° | 1652.2 | 1661.8 | 1671.5 | 1686.0 | 1694.7 | 1701.4 | 1708.3 | 1709.2 | 1714.0 | 1713.0 | 1712.1 |
| 27.5° | 1586.4 | 1599.0 | 1615.4 | 1627.0 | 1638.6 | 1649.2 | 1657.0 | 1658.9 | 1663.8 | 1661.8 | 1662.8 |
| 30° | 1496.4 | 1510.0 | 1525.5 | 1543.8 | 1560.3 | 1570.8 | 1580.6 | 1587.4 | 1592.2 | 1589.3 | 1588.3 |
| 32.5° | 1368.8 | 1382.3 | 1398.7 | 1417.0 | 1436.4 | 1451.9 | 1463.5 | 1472.3 | 1478.0 | 1476.1 | 1471.3 |
| 35° | 1222.6 | 1226.6 | 1237.2 | 1251.7 | 1268.1 | 1284.5 | 1295.2 | 1304.9 | 1311.6 | 1313.6 | 1313.6 |
| 37.5° | 1072.8 | 1060.2 | 1052.4 | 1052.4 | 1062.1 | 1068.9 | 1078.5 | 1084.4 | 1095.0 | 1098.9 | 1101.7 |
| 40° | 927.7 | 898.6 | 871.5 | 851.3 | 837.7 | 836.8 | 836.8 | 839.6 | 849.3 | 861.9 | 873.4 |
| 42.5° | 798.1 | 751.6 | 710.0 | 672.3 | 645.2 | 629.8 | 622.9 | 623.9 | 631.7 | 643.3 | 662.6 |
| 45° | 694.6 | 636.5 | 584.2 | 538.8 | 502.0 | 477.8 | 466.2 | 465.3 | 471.0 | 484.6 | 505.9 |
| 47.5° | 614.2 | 552.4 | 493.3 | 441.1 | 401.4 | 375.3 | 361.8 | 357.9 | 361.8 | 374.3 | 399.5 |
| 50° | 547.5 | 483.6 | 422.7 | 368.6 | 326.0 | 298.9 | 286.3 | 281.5 | 286.3 | 297.0 | 322.1 |
| 52.5° | 485.6 | 419.8 | 362.7 | 310.5 | 265.0 | 241.9 | 228.3 | 225.3 | 228.3 | 240.9 | 261.2 |
| 55° | 414.0 | 357.9 | 301.8 | 249.5 | 209.9 | 186.8 | 176.1 | 173.1 | 176.1 | 187.6 | 208.9 |
| 57.5° | 343.3 | 295.0 | 245.7 | 198.3 | 164.5 | 144.1 | 134.4 | 130.6 | 137.4 | 145.1 | 170.2 |
| 60° | 277.7 | 239.0 | 197.3 | 155.7 | 127.7 | 109.4 | 101.6 | 100.6 | 102.5 | 112.2 | 129.6 |
| 62.5° | 217.7 | 185.7 | 152.8 | 119.0 | 95.7 | 88.0 | 78.3 | 77.4 | 79.3 | 85.2 | 98.7 |
| 65° | 156.7 | 136.4 | 111.3 | 87.1 | 68.7 | 58.0 | 54.2 | 55.1 | 57.0 | 61.0 | 73.5 |
| 67.5° | 109.4 | 94.8 | 77.4 | 61.0 | 47.4 | 42.5 | 38.7 | 37.7 | 38.7 | 45.4 | 52.2 |
| 70° | 73.5 | 64.8 | 52.2 | 46.5 | 32.8 | 26.1 | 27.1 | 24.2 | 28.0 | 28.0 | 33.9 |
| 72.5° | 48.4 | 42.5 | 34.8 | 27.1 | 23.2 | 18.3 | 18.3 | 17.4 | 19.3 | 20.4 | 25.2 |
| 75° | 25.2 | 19.3 | 19.3 | 13.5 | 9.7 | 4.8 | 8.7 | 7.8 | 6.8 | 7.8 | 9.7 |
| 77.5° | 17.4 | 14.5 | 13.5 | 10.7 | 9.7 | 7.8 | 7.8 | 7.8 | 7.8 | 8.7 | 9.7 |
| 80° | 10.7 | 10.7 | 7.8 | 6.8 | 5.9 | 4.8 | 5.9 | 5.9 | 5.9 | 5.9 | 6.8 |
| 82.5° | 6.8 | 5.9 | 5.9 | 4.8 | 4.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 5.9 |
| 85° | 5.9 | 3.8 | 3.8 | 2.9 | 3.8 | 6.8 | 2.9 | 3.8 | 3.8 | 3.8 | 2.9 |
| 87.5° | 1.9 | 2.9 | 2.9 | 2.9 | 1.9 | 1.0 | 1.9 | 2.9 | 2.9 | 4.8 | 3.8 |
| 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° | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 | 1802.1 |
| 2.5° | 1805.0 | 1806.0 | 1806.0 | 1805.0 | 1805.0 | 1803.0 | 1806.9 | 1804.0 | 1805.0 | 1808.9 | 1806.0 |
| 5° | 1806.9 | 1807.9 | 1807.9 | 1806.9 | 1806.9 | 1806.9 | 1807.9 | 1807.9 | 1806.9 | 1806.0 | 1807.9 |
| 7.5° | 1810.8 | 1809.8 | 1809.8 | 1807.9 | 1807.9 | 1806.0 | 1807.9 | 1805.0 | 1806.9 | 1805.0 | 1807.9 |
| 10° | 1806.0 | 1806.9 | 1806.0 | 1805.0 | 1805.0 | 1804.0 | 1804.0 | 1801.1 | 1802.1 | 1799.2 | 1801.1 |
| 12.5° | 1803.0 | 1802.1 | 1802.1 | 1800.1 | 1798.2 | 1796.3 | 1795.3 | 1792.4 | 1792.4 | 1785.6 | 1788.5 |
| 15° | 1795.3 | 1796.3 | 1793.4 | 1789.5 | 1787.6 | 1782.8 | 1780.8 | 1776.9 | 1773.1 | 1768.3 | 1769.2 |
| 17.5° | 1788.5 | 1785.6 | 1781.8 | 1778.0 | 1770.2 | 1766.2 | 1762.4 | 1756.6 | 1754.7 | 1748.9 | 1747.0 |
| 20° | 1768.3 | 1766.2 | 1761.5 | 1754.7 | 1749.8 | 1741.2 | 1737.2 | 1731.5 | 1726.6 | 1720.8 | 1717.9 |
| 22.5° | 1742.1 | 1740.2 | 1734.4 | 1727.6 | 1719.9 | 1716.0 | 1712.1 | 1701.4 | 1696.6 | 1690.9 | 1689.9 |
| 25° | 1709.2 | 1706.3 | 1700.6 | 1692.8 | 1688.8 | 1678.3 | 1674.4 | 1666.7 | 1664.8 | 1658.9 | 1657.9 |
| 27.5° | 1658.9 | 1655.1 | 1648.2 | 1638.6 | 1631.8 | 1625.1 | 1621.2 | 1615.4 | 1613.5 | 1607.6 | 1606.7 |
| 30° | 1583.4 | 1578.6 | 1565.1 | 1561.3 | 1549.6 | 1542.8 | 1542.8 | 1535.1 | 1536.1 | 1532.2 | 1532.2 |
| 32.5° | 1464.5 | 1456.8 | 1446.1 | 1438.4 | 1430.7 | 1426.7 | 1426.7 | 1423.9 | 1425.8 | 1425.8 | 1427.7 |
| 35° | 1306.8 | 1296.2 | 1290.4 | 1285.5 | 1285.5 | 1289.4 | 1301.1 | 1304.0 | 1309.7 | 1314.6 | 1318.5 |
| 37.5° | 1104.6 | 1103.7 | 1110.5 | 1116.2 | 1130.7 | 1147.3 | 1167.5 | 1185.0 | 1201.4 | 1213.0 | 1224.6 |
| 40° | 886.0 | 910.2 | 929.6 | 956.7 | 978.9 | 1010.8 | 1047.6 | 1077.5 | 1105.6 | 1125.9 | 1147.3 |
| 42.5° | 691.6 | 722.6 | 763.2 | 802.8 | 842.5 | 886.0 | 934.4 | 976.0 | 1012.7 | 1040.9 | 1063.0 |
| 45° | 538.8 | 581.3 | 630.7 | 681.0 | 732.3 | 786.4 | 836.8 | 879.3 | 918.0 | 947.0 | 969.2 |
| 47.5° | 434.4 | 480.7 | 536.8 | 592.0 | 650.0 | 707.1 | 763.2 | 800.0 | 831.8 | 855.1 | 875.5 |
| 50° | 358.9 | 408.3 | 467.2 | 530.1 | 588.2 | 645.2 | 693.6 | 729.3 | 755.4 | 775.8 | 788.4 |
| 52.5° | 299.8 | 352.1 | 415.0 | 477.8 | 535.8 | 588.2 | 631.7 | 658.7 | 680.1 | 694.6 | 706.2 |
| 55° | 247.6 | 297.9 | 357.0 | 415.9 | 473.1 | 522.3 | 558.1 | 578.5 | 594.9 | 603.6 | 610.3 |
| 57.5° | 202.2 | 248.6 | 302.7 | 357.0 | 406.2 | 446.8 | 475.0 | 495.2 | 503.0 | 509.7 | 508.8 |
| 60° | 158.6 | 202.2 | 251.6 | 297.9 | 340.5 | 373.4 | 393.8 | 405.3 | 411.1 | 414.0 | 412.1 |
| 62.5° | 124.8 | 164.5 | 202.2 | 242.8 | 273.7 | 301.8 | 321.2 | 321.2 | 324.0 | 325.0 | 327.9 |
| 65° | 92.8 | 122.8 | 155.7 | 185.7 | 210.8 | 229.3 | 239.8 | 242.8 | 246.7 | 245.7 | 243.8 |
| 67.5° | 68.7 | 90.9 | 115.1 | 137.4 | 154.8 | 166.4 | 174.2 | 180.9 | 179.9 | 178.0 | 177.0 |
| 70° | 47.4 | 61.9 | 83.2 | 96.8 | 109.4 | 120.9 | 122.8 | 123.9 | 124.8 | 125.8 | 123.9 |
| 72.5° | 32.8 | 43.5 | 55.1 | 66.7 | 74.5 | 79.3 | 84.1 | 85.2 | 85.2 | 85.2 | 84.1 |
| 75° | 16.4 | 22.3 | 32.8 | 37.7 | 44.6 | 46.5 | 50.3 | 50.3 | 53.2 | 49.3 | 48.4 |
| 77.5° | 14.5 | 17.4 | 23.2 | 27.1 | 30.0 | 32.8 | 33.9 | 36.8 | 35.8 | 33.9 | 34.8 |
| 80° | 8.7 | 10.7 | 14.5 | 16.4 | 20.4 | 21.3 | 22.3 | 23.2 | 22.3 | 23.2 | 23.2 |
| 82.5° | 6.8 | 7.8 | 9.7 | 9.7 | 12.6 | 12.6 | 13.5 | 13.5 | 14.5 | 14.5 | 14.5 |
| 85° | 3.8 | 6.8 | 5.9 | 11.6 | 7.8 | 7.8 | 9.7 | 11.6 | 9.7 | 9.7 | 11.6 |
| 87.5° | 3.8 | 3.8 | 2.9 | 3.8 | 3.8 | 3.8 | 4.8 | 5.9 | 5.9 | 6.8 | 5.9 |
| 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: P246094

CATALOG NUMBER: LD8B40D010 ER8B40927 8LBDW0GPH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1802.1 | 1802.1 | 1802.1 | 1802.1 |
| 2.5° | 1805.0 | 1806.9 | 1804.0 | 1803.0 |
| 5° | 1807.9 | 1807.9 | 1806.0 | 1806.0 |
| 7.5° | 1807.9 | 1807.9 | 1805.0 | 1803.0 |
| 10° | 1800.1 | 1800.1 | 1797.3 | 1795.3 |
| 12.5° | 1785.6 | 1785.6 | 1784.7 | 1781.8 |
| 15° | 1767.3 | 1767.3 | 1763.4 | 1760.5 |
| 17.5° | 1742.1 | 1744.1 | 1739.2 | 1739.2 |
| 20° | 1715.1 | 1714.0 | 1710.2 | 1708.3 |
| 22.5° | 1686.9 | 1685.0 | 1684.1 | 1678.3 |
| 25° | 1657.0 | 1655.1 | 1652.2 | 1649.2 |
| 27.5° | 1605.7 | 1604.8 | 1601.9 | 1598.0 |
| 30° | 1527.4 | 1526.4 | 1522.6 | 1522.6 |
| 32.5° | 1425.8 | 1424.8 | 1421.0 | 1422.0 |
| 35° | 1320.4 | 1324.2 | 1322.3 | 1318.5 |
| 37.5° | 1232.3 | 1235.2 | 1237.2 | 1235.2 |
| 40° | 1158.9 | 1167.5 | 1168.5 | 1170.4 |
| 42.5° | 1080.4 | 1092.0 | 1096.0 | 1097.9 |
| 45° | 986.6 | 997.3 | 1006.0 | 1004.1 |
| 47.5° | 890.9 | 898.6 | 906.4 | 900.6 |
| 50° | 799.0 | 803.8 | 806.7 | 806.7 |
| 52.5° | 711.9 | 711.9 | 711.0 | 711.9 |
| 55° | 612.3 | 612.3 | 608.4 | 610.3 |
| 57.5° | 507.8 | 509.7 | 506.8 | 502.0 |
| 60° | 411.1 | 406.2 | 404.3 | 401.4 |
| 62.5° | 320.2 | 320.2 | 313.4 | 322.1 |
| 65° | 239.8 | 237.0 | 234.1 | 233.1 |
| 67.5° | 174.2 | 173.1 | 170.2 | 169.3 |
| 70° | 122.8 | 119.0 | 118.0 | 116.1 |
| 72.5° | 82.2 | 82.2 | 80.3 | 80.3 |
| 75° | 50.3 | 45.4 | 44.6 | 45.4 |
| 77.5° | 34.8 | 33.9 | 33.9 | 32.8 |
| 80° | 23.2 | 22.3 | 24.2 | 21.3 |
| 82.5° | 14.5 | 15.5 | 14.5 | 15.5 |
| 85° | 9.7 | 11.6 | 10.7 | 10.7 |
| 87.5° | 5.9 | 5.9 | 5.9 | 5.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)