

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: **LSR8B40D010 EC8B40927 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: LSR8B40D010 EC8B40927 8LBDW0GPH  
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
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

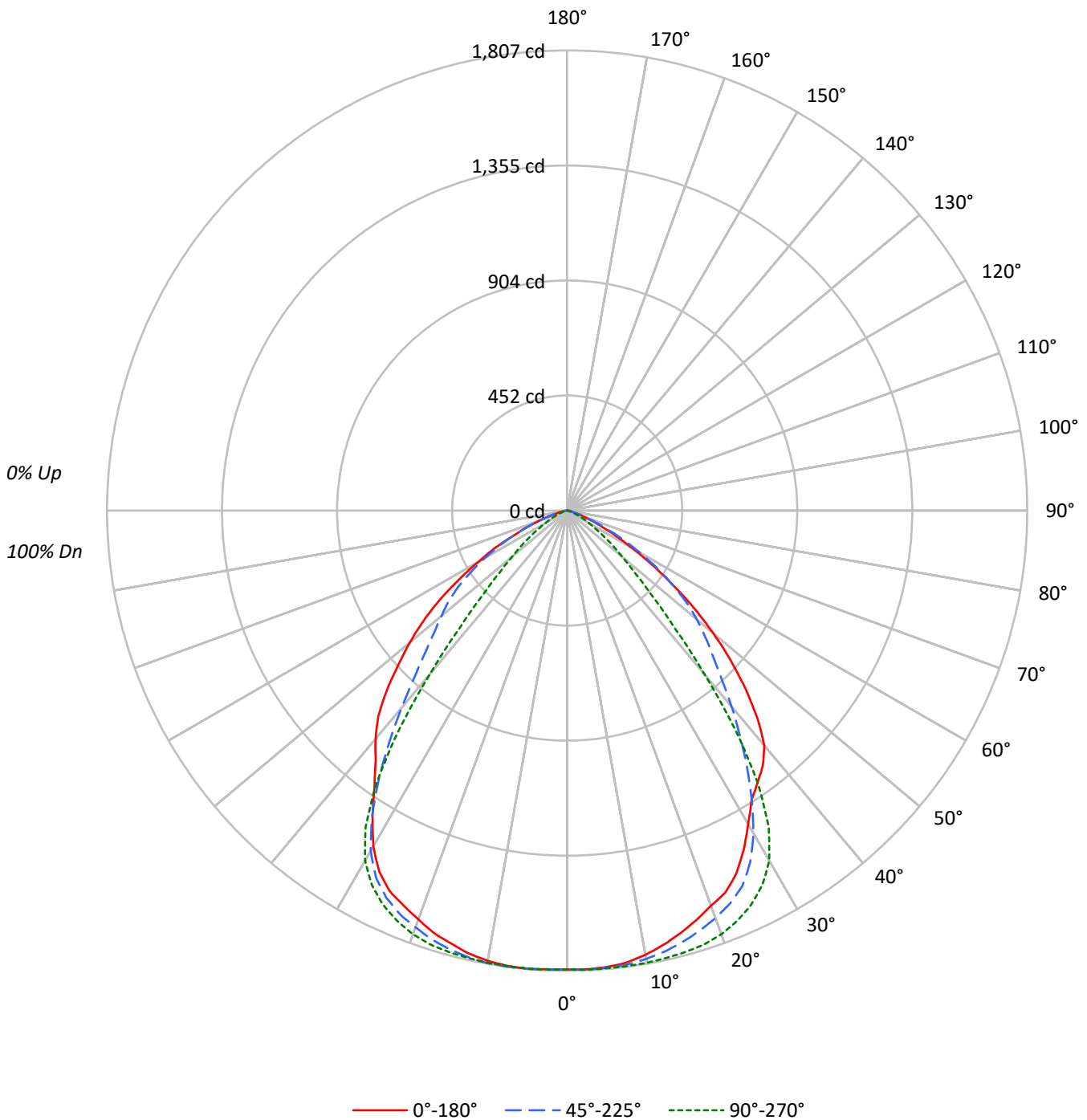
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P246094

CATALOG NUMBER: LSR8B40D010 EC8B40927 8LBDW0GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P246094

CATALOG NUMBER: LSR8B40D010 EC8B40927 8LBDW0GPH

**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

CATALOG NUMBER: LSR8B40D010 EC8B40927 8LBDW0GPH

**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

CATALOG NUMBER: LSR8B40D010 EC8B40927 8LBDW0GPH

**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: LSR8B40D010 EC8B40927 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    |



TEST NUMBER: P246094

CATALOG NUMBER: LSR8B40D010 EC8B40927 8LBDW0GPH

**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: LSR8B40D010 EC8B40927 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)