

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: P246172

Luminaire Tested: **LSR8B40D010 EC8B40930 8LBDW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246172  
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 EC8B40930 8LBDW0B  
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3259.9 lumens  
Efficiency: N/A  
Efficacy: 79.7 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

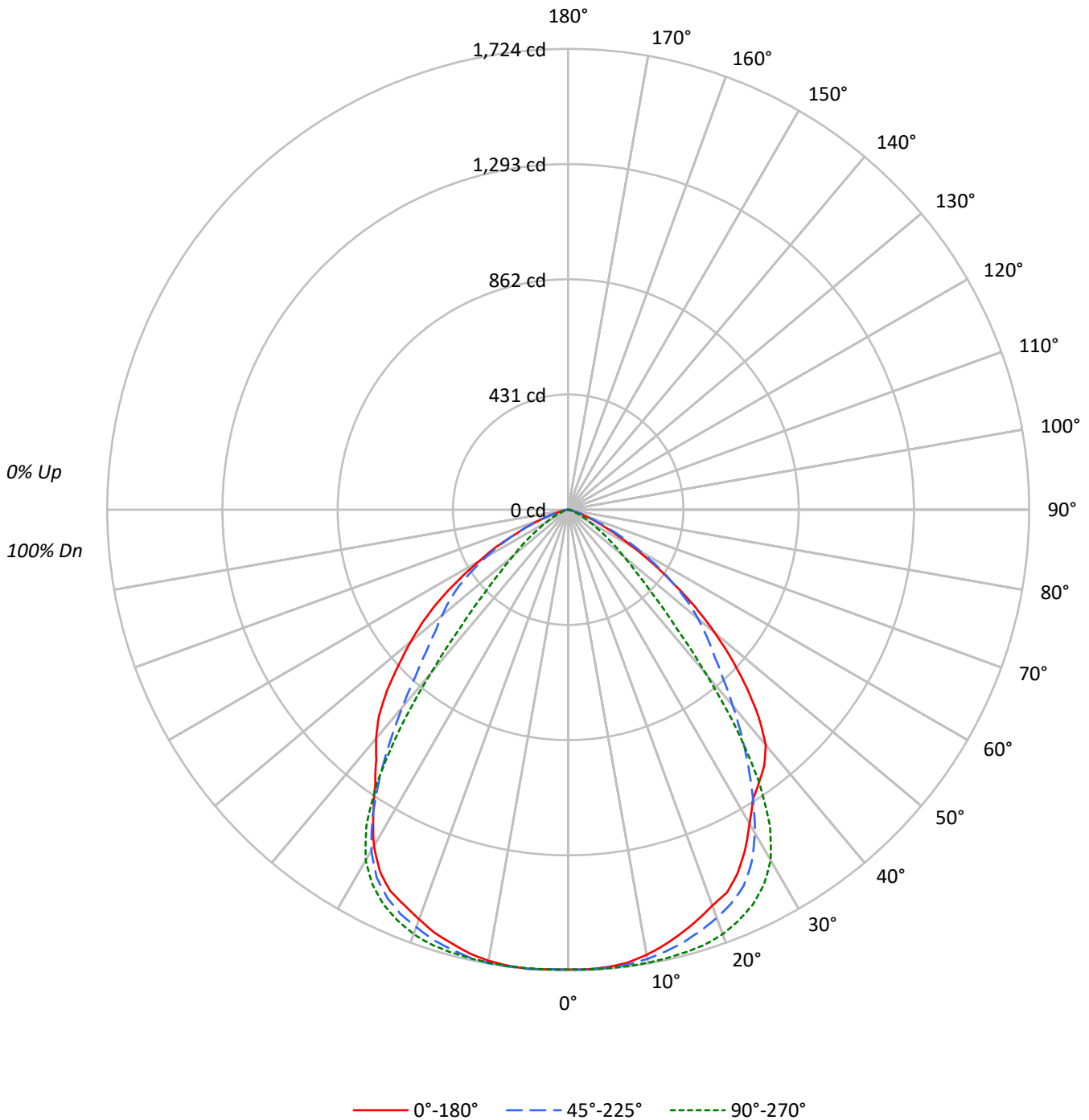
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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° |  |     |      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 164.1  | 5.0       |
| 10°-20°   | 476.7  | 14.6      |
| 20°-30°   | 723.5  | 22.2      |
| 30°-40°   | 759.9  | 23.3      |
| 40°-50°   | 569.8  | 17.5      |
| 50°-60°   | 365.6  | 11.2      |
| 60°-70°   | 156.4  | 4.8       |
| 70°-80°   | 37.0   | 1.1       |
| 80°-90°   | 6.9    | 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°    | 1364.4 | 41.9      |
| 0°-40°    | 2124.4 | 65.2      |
| 0°-60°    | 3059.7 | 93.9      |
| 0°-90°    | 3259.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3259.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1720 | 1720 | 1720 | 1720 | 1720 |      |
| 5°  | 1717 | 1720 | 1722 | 1724 | 1724 | 163  |
| 15° | 1640 | 1674 | 1713 | 1702 | 1680 | 462  |
| 25° | 1500 | 1553 | 1631 | 1602 | 1574 | 685  |
| 35° | 1244 | 1175 | 1245 | 1231 | 1258 | 781  |
| 45° | 945  | 773  | 444  | 751  | 958  | 724  |
| 55° | 478  | 478  | 165  | 498  | 583  | 434  |
| 65° | 144  | 170  | 53   | 219  | 222  | 154  |
| 75° | 22   | 26   | 7    | 44   | 43   | 32   |
| 85° | 7    | 5    | 4    | 7    | 10   | 8    |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 |
| 2.5°  | 1720.8 | 1722.8 | 1721.9 | 1721.9 | 1720.8 | 1721.9 | 1721.9 | 1723.6 | 1723.6 | 1721.9 | 1720.8 |
| 5°    | 1717.1 | 1719.1 | 1719.1 | 1717.1 | 1717.1 | 1721.9 | 1719.1 | 1720.8 | 1720.8 | 1720.0 | 1720.0 |
| 7.5°  | 1708.9 | 1708.9 | 1712.6 | 1709.9 | 1709.9 | 1712.6 | 1711.7 | 1713.6 | 1715.4 | 1716.3 | 1716.3 |
| 10°   | 1690.5 | 1692.3 | 1693.2 | 1693.2 | 1694.2 | 1696.9 | 1698.8 | 1702.5 | 1704.3 | 1706.2 | 1707.1 |
| 12.5° | 1667.4 | 1670.1 | 1671.1 | 1670.1 | 1672.9 | 1676.6 | 1681.2 | 1685.8 | 1688.6 | 1692.3 | 1695.1 |
| 15°   | 1639.7 | 1639.7 | 1641.5 | 1644.3 | 1646.1 | 1651.7 | 1656.3 | 1661.8 | 1669.2 | 1673.8 | 1678.5 |
| 17.5° | 1609.2 | 1611.0 | 1613.8 | 1613.8 | 1617.5 | 1626.7 | 1629.5 | 1637.8 | 1646.1 | 1650.8 | 1660.0 |
| 20°   | 1576.0 | 1577.8 | 1580.6 | 1582.4 | 1587.0 | 1594.4 | 1600.0 | 1607.3 | 1616.6 | 1624.9 | 1634.1 |
| 22.5° | 1550.1 | 1546.4 | 1548.2 | 1550.1 | 1554.7 | 1561.2 | 1567.6 | 1576.9 | 1586.1 | 1594.4 | 1603.7 |
| 25°   | 1500.2 | 1501.1 | 1503.9 | 1505.7 | 1511.3 | 1516.8 | 1524.2 | 1535.3 | 1543.6 | 1552.9 | 1563.0 |
| 27.5° | 1432.9 | 1433.8 | 1438.4 | 1438.4 | 1443.0 | 1452.3 | 1456.9 | 1466.0 | 1477.1 | 1486.4 | 1498.4 |
| 30°   | 1356.2 | 1358.1 | 1358.1 | 1361.8 | 1364.5 | 1369.2 | 1373.8 | 1383.0 | 1388.6 | 1396.9 | 1413.5 |
| 32.5° | 1286.0 | 1287.9 | 1287.0 | 1286.0 | 1283.3 | 1282.3 | 1281.4 | 1283.3 | 1285.1 | 1287.9 | 1294.3 |
| 35°   | 1244.5 | 1239.9 | 1236.2 | 1229.7 | 1222.3 | 1213.1 | 1204.9 | 1193.8 | 1183.6 | 1175.3 | 1166.1 |
| 37.5° | 1204.9 | 1203.8 | 1198.3 | 1189.2 | 1174.4 | 1157.8 | 1138.4 | 1114.4 | 1090.3 | 1064.5 | 1039.6 |
| 40°   | 1149.5 | 1146.7 | 1142.1 | 1129.1 | 1112.5 | 1092.2 | 1066.3 | 1036.8 | 998.0  | 958.3  | 917.7  |
| 42.5° | 1055.2 | 1056.2 | 1050.6 | 1040.5 | 1024.8 | 1005.4 | 978.6  | 946.3  | 904.8  | 857.7  | 805.1  |
| 45°   | 945.3  | 945.3  | 943.5  | 935.3  | 924.2  | 908.5  | 888.2  | 861.4  | 820.8  | 772.7  | 716.4  |
| 47.5° | 830.9  | 831.8  | 829.1  | 827.2  | 822.6  | 812.4  | 797.7  | 777.4  | 748.7  | 702.5  | 646.3  |
| 50°   | 714.6  | 714.6  | 719.2  | 718.2  | 718.2  | 714.6  | 708.1  | 696.1  | 671.1  | 634.3  | 581.7  |
| 52.5° | 598.3  | 600.1  | 602.9  | 606.6  | 611.2  | 618.6  | 611.2  | 605.7  | 590.0  | 561.3  | 516.1  |
| 55°   | 478.2  | 480.1  | 484.7  | 491.1  | 496.7  | 504.1  | 505.9  | 505.9  | 497.6  | 478.2  | 444.0  |
| 57.5° | 375.8  | 373.0  | 376.7  | 382.3  | 389.7  | 396.9  | 402.6  | 408.9  | 408.0  | 395.2  | 367.5  |
| 60°   | 282.5  | 283.4  | 286.2  | 291.8  | 297.3  | 303.8  | 311.1  | 316.7  | 319.5  | 313.0  | 295.4  |
| 62.5° | 205.9  | 205.9  | 209.5  | 215.1  | 217.9  | 227.1  | 231.7  | 234.5  | 237.3  | 236.3  | 225.3  |
| 65°   | 144.0  | 145.8  | 147.7  | 150.4  | 153.2  | 158.7  | 161.5  | 167.1  | 168.9  | 169.8  | 161.5  |
| 67.5° | 101.6  | 98.8   | 100.7  | 102.5  | 105.3  | 109.0  | 114.5  | 114.5  | 117.3  | 117.3  | 111.7  |
| 70°   | 64.7   | 64.7   | 65.6   | 68.3   | 70.2   | 71.1   | 73.0   | 74.8   | 77.6   | 76.7   | 76.7   |
| 72.5° | 43.4   | 42.5   | 43.4   | 44.3   | 45.3   | 48.0   | 48.0   | 48.9   | 50.8   | 51.7   | 48.0   |
| 75°   | 22.2   | 23.1   | 24.9   | 24.0   | 26.8   | 24.9   | 25.9   | 28.6   | 27.7   | 25.9   | 25.9   |
| 77.5° | 18.5   | 18.5   | 18.5   | 17.6   | 19.4   | 19.4   | 18.5   | 20.3   | 19.4   | 19.4   | 18.5   |
| 80°   | 12.9   | 13.9   | 12.9   | 12.0   | 12.9   | 12.0   | 12.0   | 12.0   | 12.0   | 12.0   | 11.1   |
| 82.5° | 10.2   | 8.3    | 9.2    | 8.3    | 9.2    | 9.2    | 8.3    | 7.4    | 7.4    | 8.3    | 7.4    |
| 85°   | 7.4    | 5.5    | 6.5    | 6.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 4.6    | 4.6    |
| 87.5° | 4.6    | 2.8    | 2.8    | 2.8    | 3.7    | 3.7    | 3.7    | 2.8    | 3.7    | 3.7    | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 |
| 2.5°  | 1722.8 | 1721.9 | 1723.6 | 1722.8 | 1722.8 | 1721.9 | 1722.8 | 1721.9 | 1723.6 | 1720.0 | 1720.8 |
| 5°    | 1722.8 | 1720.8 | 1721.9 | 1722.8 | 1723.6 | 1721.9 | 1721.9 | 1721.9 | 1723.6 | 1721.9 | 1722.8 |
| 7.5°  | 1719.1 | 1718.2 | 1720.8 | 1722.8 | 1721.9 | 1720.8 | 1722.8 | 1721.9 | 1723.6 | 1722.8 | 1724.5 |
| 10°   | 1711.7 | 1712.6 | 1714.5 | 1717.1 | 1718.2 | 1719.1 | 1720.8 | 1720.8 | 1723.6 | 1720.0 | 1721.9 |
| 12.5° | 1700.6 | 1704.3 | 1708.9 | 1710.8 | 1714.5 | 1714.5 | 1716.3 | 1717.1 | 1719.1 | 1718.2 | 1720.8 |
| 15°   | 1686.8 | 1691.4 | 1696.9 | 1701.6 | 1706.2 | 1708.9 | 1711.7 | 1712.6 | 1715.4 | 1712.6 | 1713.6 |
| 17.5° | 1670.1 | 1675.7 | 1684.0 | 1689.5 | 1696.9 | 1699.7 | 1703.4 | 1705.2 | 1708.0 | 1706.2 | 1707.1 |
| 20°   | 1647.0 | 1653.5 | 1662.8 | 1671.1 | 1675.7 | 1682.1 | 1686.8 | 1689.5 | 1691.4 | 1689.5 | 1690.5 |
| 22.5° | 1614.7 | 1624.0 | 1636.0 | 1642.4 | 1651.7 | 1657.2 | 1658.1 | 1664.6 | 1669.2 | 1664.6 | 1666.5 |
| 25°   | 1576.9 | 1586.1 | 1595.3 | 1609.2 | 1617.5 | 1624.0 | 1630.4 | 1631.4 | 1636.0 | 1635.0 | 1634.1 |
| 27.5° | 1514.1 | 1526.1 | 1541.8 | 1552.9 | 1563.9 | 1574.1 | 1581.5 | 1583.3 | 1588.0 | 1586.1 | 1587.0 |
| 30°   | 1428.3 | 1441.2 | 1456.0 | 1473.4 | 1489.1 | 1499.3 | 1508.5 | 1515.0 | 1519.6 | 1516.8 | 1515.9 |
| 32.5° | 1306.4 | 1319.3 | 1335.0 | 1352.5 | 1371.0 | 1385.8 | 1396.9 | 1405.2 | 1410.7 | 1408.9 | 1404.3 |
| 35°   | 1167.0 | 1170.7 | 1180.9 | 1194.6 | 1210.3 | 1226.0 | 1236.2 | 1245.4 | 1251.9 | 1253.7 | 1253.7 |
| 37.5° | 1023.8 | 1011.8 | 1004.5 | 1004.5 | 1013.7 | 1020.1 | 1029.4 | 1034.9 | 1045.1 | 1048.8 | 1051.6 |
| 40°   | 885.4  | 857.7  | 831.8  | 812.4  | 799.5  | 798.6  | 798.6  | 801.4  | 810.6  | 822.6  | 833.7  |
| 42.5° | 761.6  | 717.3  | 677.6  | 641.7  | 615.8  | 601.1  | 594.6  | 595.5  | 602.9  | 614.0  | 632.4  |
| 45°   | 662.8  | 607.5  | 557.6  | 514.2  | 479.1  | 456.0  | 445.0  | 444.0  | 449.6  | 462.5  | 482.8  |
| 47.5° | 586.3  | 527.2  | 470.8  | 420.9  | 383.2  | 358.2  | 345.3  | 341.6  | 345.3  | 357.3  | 381.3  |
| 50°   | 522.5  | 461.6  | 403.4  | 351.8  | 311.1  | 285.3  | 273.3  | 268.7  | 273.3  | 283.4  | 307.4  |
| 52.5° | 463.4  | 400.6  | 346.2  | 296.4  | 253.0  | 230.8  | 217.9  | 215.1  | 217.9  | 229.9  | 249.3  |
| 55°   | 395.2  | 341.6  | 288.1  | 238.2  | 200.3  | 178.2  | 168.0  | 165.2  | 168.0  | 179.1  | 199.4  |
| 57.5° | 327.8  | 281.6  | 234.5  | 189.2  | 156.9  | 137.5  | 128.4  | 124.7  | 131.0  | 138.4  | 162.4  |
| 60°   | 265.0  | 228.0  | 188.3  | 148.6  | 121.9  | 104.4  | 97.0   | 96.0   | 97.9   | 107.1  | 123.8  |
| 62.5° | 207.7  | 177.2  | 145.8  | 113.6  | 91.4   | 84.0   | 74.8   | 73.9   | 75.7   | 81.3   | 94.2   |
| 65°   | 149.5  | 130.1  | 106.2  | 83.1   | 65.6   | 55.4   | 51.7   | 52.7   | 54.5   | 58.2   | 70.2   |
| 67.5° | 104.4  | 90.5   | 73.9   | 58.2   | 45.3   | 40.6   | 36.9   | 36.0   | 36.9   | 43.4   | 49.9   |
| 70°   | 70.2   | 61.9   | 49.9   | 44.3   | 31.4   | 24.9   | 25.9   | 23.1   | 26.8   | 26.8   | 32.3   |
| 72.5° | 46.2   | 40.6   | 33.2   | 25.9   | 22.2   | 17.6   | 17.6   | 16.6   | 18.5   | 19.4   | 24.0   |
| 75°   | 24.0   | 18.5   | 18.5   | 12.9   | 9.2    | 4.6    | 8.3    | 7.4    | 6.5    | 7.4    | 9.2    |
| 77.5° | 16.6   | 13.9   | 12.9   | 10.2   | 9.2    | 7.4    | 7.4    | 7.4    | 7.4    | 8.3    | 9.2    |
| 80°   | 10.2   | 10.2   | 7.4    | 6.5    | 5.5    | 4.6    | 5.5    | 5.5    | 5.5    | 5.5    | 6.5    |
| 82.5° | 6.5    | 5.5    | 5.5    | 4.6    | 4.6    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 5.5    |
| 85°   | 5.5    | 3.7    | 3.7    | 2.8    | 3.7    | 6.5    | 2.8    | 3.7    | 3.7    | 3.7    | 2.8    |
| 87.5° | 1.9    | 2.8    | 2.8    | 2.8    | 1.9    | 0.9    | 1.9    | 2.8    | 2.8    | 4.6    | 3.7    |
| 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°    | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 |
| 2.5°  | 1722.8 | 1723.6 | 1723.6 | 1722.8 | 1722.8 | 1720.8 | 1724.5 | 1721.9 | 1722.8 | 1726.5 | 1723.6 |
| 5°    | 1724.5 | 1725.6 | 1725.6 | 1724.5 | 1724.5 | 1724.5 | 1725.6 | 1725.6 | 1724.5 | 1723.6 | 1725.6 |
| 7.5°  | 1728.2 | 1727.3 | 1727.3 | 1725.6 | 1725.6 | 1723.6 | 1725.6 | 1722.8 | 1724.5 | 1722.8 | 1725.6 |
| 10°   | 1723.6 | 1724.5 | 1723.6 | 1722.8 | 1722.8 | 1721.9 | 1721.9 | 1719.1 | 1720.0 | 1717.1 | 1719.1 |
| 12.5° | 1720.8 | 1720.0 | 1720.0 | 1718.2 | 1716.3 | 1714.5 | 1713.6 | 1710.8 | 1710.8 | 1704.3 | 1707.1 |
| 15°   | 1713.6 | 1714.5 | 1711.7 | 1708.0 | 1706.2 | 1701.6 | 1699.7 | 1696.0 | 1692.3 | 1687.7 | 1688.6 |
| 17.5° | 1707.1 | 1704.3 | 1700.6 | 1696.9 | 1689.5 | 1685.8 | 1682.1 | 1676.6 | 1674.8 | 1669.2 | 1667.4 |
| 20°   | 1687.7 | 1685.8 | 1681.2 | 1674.8 | 1670.1 | 1661.8 | 1658.1 | 1652.6 | 1648.0 | 1642.4 | 1639.7 |
| 22.5° | 1662.8 | 1660.9 | 1655.4 | 1648.9 | 1641.5 | 1637.8 | 1634.1 | 1624.0 | 1619.3 | 1613.8 | 1612.9 |
| 25°   | 1631.4 | 1628.6 | 1623.0 | 1615.7 | 1612.0 | 1601.8 | 1598.1 | 1590.7 | 1588.9 | 1583.3 | 1582.4 |
| 27.5° | 1583.3 | 1579.6 | 1573.2 | 1563.9 | 1557.5 | 1551.0 | 1547.3 | 1541.8 | 1539.9 | 1534.4 | 1533.5 |
| 30°   | 1511.3 | 1506.7 | 1493.7 | 1490.1 | 1479.0 | 1472.5 | 1472.5 | 1465.1 | 1466.0 | 1462.3 | 1462.3 |
| 32.5° | 1397.8 | 1390.4 | 1380.2 | 1372.8 | 1365.5 | 1361.8 | 1361.8 | 1359.0 | 1360.8 | 1360.8 | 1362.7 |
| 35°   | 1247.2 | 1237.1 | 1231.5 | 1226.9 | 1226.9 | 1230.6 | 1241.7 | 1244.5 | 1250.0 | 1254.6 | 1258.3 |
| 37.5° | 1054.3 | 1053.4 | 1059.9 | 1065.4 | 1079.3 | 1095.0 | 1114.4 | 1131.0 | 1146.7 | 1157.8 | 1168.8 |
| 40°   | 845.7  | 868.8  | 887.3  | 913.1  | 934.2  | 964.7  | 999.8  | 1028.5 | 1055.2 | 1074.6 | 1095.0 |
| 42.5° | 660.0  | 689.6  | 728.4  | 766.3  | 804.1  | 845.7  | 891.9  | 931.6  | 966.6  | 993.4  | 1014.6 |
| 45°   | 514.2  | 554.9  | 602.0  | 650.0  | 698.8  | 750.6  | 798.6  | 839.2  | 876.2  | 903.9  | 925.0  |
| 47.5° | 414.5  | 458.8  | 512.4  | 565.0  | 620.4  | 674.8  | 728.4  | 763.5  | 794.0  | 816.1  | 835.5  |
| 50°   | 342.5  | 389.7  | 445.9  | 505.9  | 561.3  | 615.8  | 662.0  | 696.1  | 721.0  | 740.4  | 752.4  |
| 52.5° | 286.2  | 336.1  | 396.0  | 456.0  | 511.5  | 561.3  | 602.9  | 628.8  | 649.1  | 662.8  | 673.9  |
| 55°   | 236.3  | 284.4  | 340.7  | 396.9  | 451.4  | 498.5  | 532.7  | 552.1  | 567.8  | 576.1  | 582.6  |
| 57.5° | 192.9  | 237.3  | 289.0  | 340.7  | 387.8  | 426.5  | 453.3  | 472.7  | 480.1  | 486.5  | 485.6  |
| 60°   | 151.4  | 192.9  | 240.0  | 284.4  | 325.0  | 356.4  | 375.8  | 386.9  | 392.4  | 395.2  | 393.2  |
| 62.5° | 119.1  | 156.9  | 192.9  | 231.7  | 261.3  | 288.1  | 306.5  | 306.5  | 309.3  | 310.2  | 313.0  |
| 65°   | 88.7   | 117.3  | 148.6  | 177.2  | 201.2  | 218.8  | 229.0  | 231.7  | 235.4  | 234.5  | 232.6  |
| 67.5° | 65.6   | 86.8   | 109.9  | 131.0  | 147.7  | 158.7  | 166.1  | 172.6  | 171.7  | 169.8  | 168.9  |
| 70°   | 45.3   | 59.1   | 79.4   | 92.4   | 104.4  | 115.5  | 117.3  | 118.2  | 119.1  | 120.1  | 118.2  |
| 72.5° | 31.4   | 41.6   | 52.7   | 63.7   | 71.1   | 75.7   | 80.4   | 81.3   | 81.3   | 81.3   | 80.4   |
| 75°   | 15.7   | 21.2   | 31.4   | 36.0   | 42.5   | 44.3   | 48.0   | 48.0   | 50.8   | 47.1   | 46.2   |
| 77.5° | 13.9   | 16.6   | 22.2   | 25.9   | 28.6   | 31.4   | 32.3   | 35.1   | 34.2   | 32.3   | 33.2   |
| 80°   | 8.3    | 10.2   | 13.9   | 15.7   | 19.4   | 20.3   | 21.2   | 22.2   | 21.2   | 22.2   | 22.2   |
| 82.5° | 6.5    | 7.4    | 9.2    | 9.2    | 12.0   | 12.0   | 12.9   | 12.9   | 13.9   | 13.9   | 13.9   |
| 85°   | 3.7    | 6.5    | 5.5    | 11.1   | 7.4    | 7.4    | 9.2    | 11.1   | 9.2    | 9.2    | 11.1   |
| 87.5° | 3.7    | 3.7    | 2.8    | 3.7    | 3.7    | 3.7    | 4.6    | 5.5    | 5.5    | 6.5    | 5.5    |
| 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: P246172

CATALOG NUMBER: LSR8B40D010 EC8B40930 8LBDW0B

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1720.0 | 1720.0 | 1720.0 | 1720.0 |
| 2.5°  | 1722.8 | 1724.5 | 1721.9 | 1720.8 |
| 5°    | 1725.6 | 1725.6 | 1723.6 | 1723.6 |
| 7.5°  | 1725.6 | 1725.6 | 1722.8 | 1720.8 |
| 10°   | 1718.2 | 1718.2 | 1715.4 | 1713.6 |
| 12.5° | 1704.3 | 1704.3 | 1703.4 | 1700.6 |
| 15°   | 1686.8 | 1686.8 | 1683.1 | 1680.3 |
| 17.5° | 1662.8 | 1664.6 | 1660.0 | 1660.0 |
| 20°   | 1636.9 | 1636.0 | 1632.3 | 1630.4 |
| 22.5° | 1610.1 | 1608.3 | 1607.3 | 1601.8 |
| 25°   | 1581.5 | 1579.6 | 1576.9 | 1574.1 |
| 27.5° | 1532.5 | 1531.6 | 1528.8 | 1525.2 |
| 30°   | 1457.7 | 1456.9 | 1453.2 | 1453.2 |
| 32.5° | 1360.8 | 1359.9 | 1356.2 | 1357.2 |
| 35°   | 1260.2 | 1263.9 | 1262.0 | 1258.3 |
| 37.5° | 1176.2 | 1179.0 | 1180.9 | 1179.0 |
| 40°   | 1106.0 | 1114.4 | 1115.3 | 1117.1 |
| 42.5° | 1031.2 | 1042.3 | 1046.0 | 1047.8 |
| 45°   | 941.6  | 951.8  | 960.1  | 958.3  |
| 47.5° | 850.3  | 857.7  | 865.1  | 859.5  |
| 50°   | 762.6  | 767.2  | 770.0  | 770.0  |
| 52.5° | 679.6  | 679.6  | 678.5  | 679.6  |
| 55°   | 584.4  | 584.4  | 580.7  | 582.6  |
| 57.5° | 484.7  | 486.5  | 483.7  | 479.1  |
| 60°   | 392.4  | 387.8  | 385.8  | 383.2  |
| 62.5° | 305.6  | 305.6  | 299.1  | 307.4  |
| 65°   | 229.0  | 226.2  | 223.4  | 222.5  |
| 67.5° | 166.1  | 165.2  | 162.4  | 161.5  |
| 70°   | 117.3  | 113.6  | 112.7  | 110.8  |
| 72.5° | 78.5   | 78.5   | 76.7   | 76.7   |
| 75°   | 48.0   | 43.4   | 42.5   | 43.4   |
| 77.5° | 33.2   | 32.3   | 32.3   | 31.4   |
| 80°   | 22.2   | 21.2   | 23.1   | 20.3   |
| 82.5° | 13.9   | 14.8   | 13.9   | 14.8   |
| 85°   | 9.2    | 11.1   | 10.2   | 10.2   |
| 87.5° | 5.5    | 5.5    | 5.5    | 5.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)