

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: P249496

Luminaire Tested: **LSR8B60D010 EC8B609727 8LBDW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249496  
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: LSR8B60D010 EC8B609727 8LBDW0B  
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3896.0 lumens  
Efficiency: N/A  
Efficacy: 65.5 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

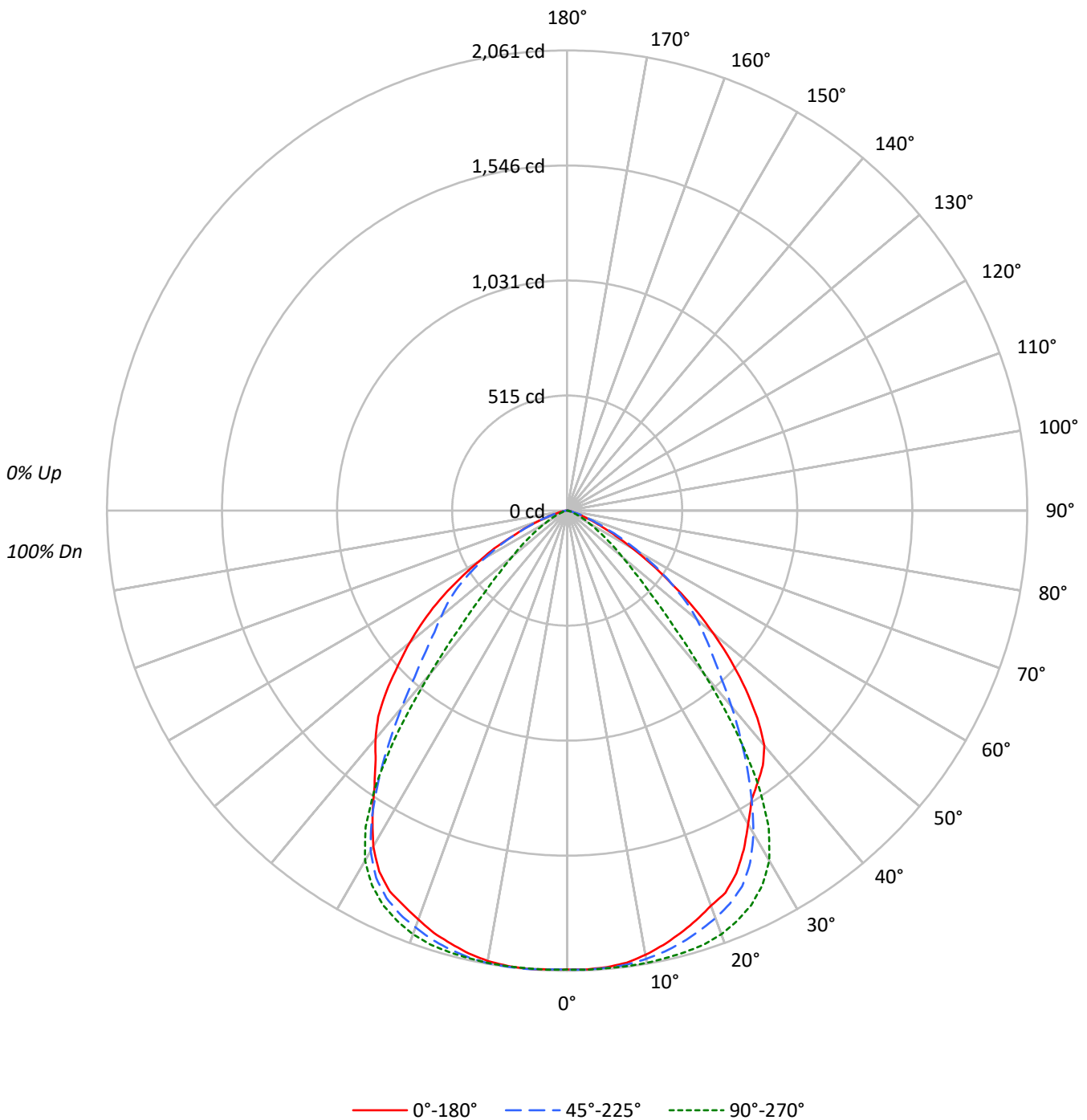
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°    | 196.2  | 5.0       |
| 10°-20°   | 569.7  | 14.6      |
| 20°-30°   | 864.7  | 22.2      |
| 30°-40°   | 908.2  | 23.3      |
| 40°-50°   | 680.9  | 17.5      |
| 50°-60°   | 436.9  | 11.2      |
| 60°-70°   | 186.9  | 4.8       |
| 70°-80°   | 44.2   | 1.1       |
| 80°-90°   | 8.2    | 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°    | 1630.7 | 41.9      |
| 0°-40°    | 2538.9 | 65.2      |
| 0°-60°    | 3656.7 | 93.9      |
| 0°-90°    | 3896.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3896.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2056 | 2056 | 2056 | 2056 | 2056 |      |
| 5°  | 2052 | 2056 | 2058 | 2061 | 2060 | 195  |
| 15° | 1960 | 2000 | 2047 | 2034 | 2008 | 553  |
| 25° | 1793 | 1856 | 1950 | 1914 | 1881 | 819  |
| 35° | 1487 | 1405 | 1488 | 1471 | 1504 | 934  |
| 45° | 1130 | 924  | 531  | 897  | 1145 | 865  |
| 55° | 572  | 572  | 198  | 596  | 696  | 518  |
| 65° | 172  | 203  | 63   | 262  | 266  | 184  |
| 75° | 26   | 31   | 9    | 53   | 52   | 39   |
| 85° | 9    | 6    | 4    | 9    | 12   | 9    |
| 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°    | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 |
| 2.5°  | 2056.7 | 2058.9 | 2057.8 | 2057.8 | 2056.7 | 2057.8 | 2057.8 | 2060.0 | 2060.0 | 2057.8 | 2056.7 |
| 5°    | 2052.3 | 2054.5 | 2054.5 | 2052.3 | 2052.3 | 2057.8 | 2054.5 | 2056.7 | 2056.7 | 2055.6 | 2055.6 |
| 7.5°  | 2042.4 | 2042.4 | 2046.8 | 2043.5 | 2043.5 | 2046.8 | 2045.7 | 2047.9 | 2050.1 | 2051.2 | 2051.2 |
| 10°   | 2020.3 | 2022.5 | 2023.6 | 2023.6 | 2024.7 | 2028.0 | 2030.2 | 2034.7 | 2036.8 | 2039.1 | 2040.2 |
| 12.5° | 1992.7 | 1996.0 | 1997.1 | 1996.0 | 1999.3 | 2003.7 | 2009.3 | 2014.8 | 2018.1 | 2022.5 | 2025.8 |
| 15°   | 1959.6 | 1959.6 | 1961.8 | 1965.1 | 1967.3 | 1974.0 | 1979.5 | 1986.1 | 1994.9 | 2000.4 | 2006.0 |
| 17.5° | 1923.2 | 1925.4 | 1928.7 | 1928.7 | 1933.1 | 1944.2 | 1947.5 | 1957.4 | 1967.3 | 1972.9 | 1983.9 |
| 20°   | 1883.5 | 1885.7 | 1889.0 | 1891.2 | 1896.7 | 1905.6 | 1912.2 | 1921.0 | 1932.0 | 1942.0 | 1953.0 |
| 22.5° | 1852.6 | 1848.2 | 1850.4 | 1852.6 | 1858.1 | 1865.8 | 1873.6 | 1884.6 | 1895.6 | 1905.6 | 1916.6 |
| 25°   | 1793.0 | 1794.1 | 1797.4 | 1799.6 | 1806.3 | 1812.9 | 1821.7 | 1834.9 | 1844.9 | 1855.9 | 1868.0 |
| 27.5° | 1712.5 | 1713.6 | 1719.1 | 1719.1 | 1724.6 | 1735.6 | 1741.1 | 1752.2 | 1765.4 | 1776.4 | 1790.8 |
| 30°   | 1620.9 | 1623.1 | 1623.1 | 1627.5 | 1630.8 | 1636.3 | 1641.8 | 1652.9 | 1659.5 | 1669.4 | 1689.3 |
| 32.5° | 1537.0 | 1539.2 | 1538.1 | 1537.0 | 1533.7 | 1532.6 | 1531.5 | 1533.7 | 1535.9 | 1539.2 | 1546.9 |
| 35°   | 1487.4 | 1481.8 | 1477.4 | 1469.7 | 1460.9 | 1449.9 | 1439.9 | 1426.7 | 1414.5 | 1404.6 | 1393.6 |
| 37.5° | 1439.9 | 1438.8 | 1432.2 | 1421.2 | 1403.5 | 1383.7 | 1360.5 | 1331.8 | 1303.1 | 1272.2 | 1242.4 |
| 40°   | 1373.7 | 1370.4 | 1364.9 | 1349.4 | 1329.6 | 1305.3 | 1274.4 | 1239.1 | 1192.7 | 1145.3 | 1096.8 |
| 42.5° | 1261.2 | 1262.3 | 1255.7 | 1243.5 | 1224.8 | 1201.6 | 1169.6 | 1131.0 | 1081.3 | 1025.0 | 962.2  |
| 45°   | 1129.9 | 1129.9 | 1127.7 | 1117.7 | 1104.5 | 1085.7 | 1061.5 | 1029.5 | 980.9  | 923.5  | 856.2  |
| 47.5° | 993.0  | 994.2  | 990.8  | 988.6  | 983.1  | 971.0  | 953.3  | 929.1  | 894.9  | 839.7  | 772.4  |
| 50°   | 854.0  | 854.0  | 859.5  | 858.4  | 858.4  | 854.0  | 846.3  | 831.9  | 802.2  | 758.0  | 695.1  |
| 52.5° | 715.0  | 717.2  | 720.5  | 724.9  | 730.4  | 739.3  | 730.4  | 723.8  | 705.1  | 670.8  | 616.8  |
| 55°   | 571.5  | 573.8  | 579.3  | 587.0  | 593.6  | 602.5  | 604.6  | 604.6  | 594.7  | 571.5  | 530.7  |
| 57.5° | 449.1  | 445.8  | 450.2  | 456.8  | 465.6  | 474.5  | 481.1  | 488.8  | 487.7  | 472.3  | 439.2  |
| 60°   | 337.6  | 338.7  | 342.0  | 348.7  | 355.3  | 363.0  | 371.8  | 378.5  | 381.8  | 374.1  | 353.1  |
| 62.5° | 246.1  | 246.1  | 250.5  | 257.1  | 260.4  | 271.4  | 276.9  | 280.3  | 283.6  | 282.5  | 269.2  |
| 65°   | 172.1  | 174.3  | 176.5  | 179.9  | 183.2  | 189.8  | 193.1  | 199.7  | 201.9  | 203.0  | 193.1  |
| 67.5° | 121.4  | 118.1  | 120.3  | 122.5  | 125.8  | 130.2  | 136.8  | 136.8  | 140.1  | 140.1  | 133.5  |
| 70°   | 77.2   | 77.2   | 78.3   | 81.6   | 83.9   | 85.0   | 87.2   | 89.4   | 92.7   | 91.6   | 91.6   |
| 72.5° | 51.9   | 50.8   | 51.9   | 53.0   | 54.1   | 57.4   | 57.4   | 58.5   | 60.7   | 61.8   | 57.4   |
| 75°   | 26.5   | 27.6   | 29.8   | 28.7   | 32.0   | 29.8   | 30.9   | 34.2   | 33.1   | 30.9   | 30.9   |
| 77.5° | 22.1   | 22.1   | 22.1   | 21.0   | 23.2   | 23.2   | 22.1   | 24.3   | 23.2   | 23.2   | 22.1   |
| 80°   | 15.4   | 16.5   | 15.4   | 14.3   | 15.4   | 14.3   | 14.3   | 14.3   | 14.3   | 14.3   | 13.2   |
| 82.5° | 12.1   | 9.9    | 11.0   | 9.9    | 11.0   | 11.0   | 9.9    | 8.8    | 8.8    | 9.9    | 8.8    |
| 85°   | 8.8    | 6.6    | 7.7    | 7.7    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 5.5    | 5.5    |
| 87.5° | 5.5    | 3.3    | 3.3    | 3.3    | 4.4    | 4.4    | 4.4    | 3.3    | 4.4    | 4.4    | 2.2    |
| 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°    | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 |
| 2.5°  | 2058.9 | 2057.8 | 2060.0 | 2058.9 | 2058.9 | 2057.8 | 2058.9 | 2057.8 | 2060.0 | 2055.6 | 2056.7 |
| 5°    | 2058.9 | 2056.7 | 2057.8 | 2058.9 | 2060.0 | 2057.8 | 2057.8 | 2057.8 | 2060.0 | 2057.8 | 2058.9 |
| 7.5°  | 2054.5 | 2053.4 | 2056.7 | 2058.9 | 2057.8 | 2056.7 | 2058.9 | 2057.8 | 2060.0 | 2058.9 | 2061.1 |
| 10°   | 2045.7 | 2046.8 | 2049.0 | 2052.3 | 2053.4 | 2054.5 | 2056.7 | 2056.7 | 2060.0 | 2055.6 | 2057.8 |
| 12.5° | 2032.4 | 2036.8 | 2042.4 | 2044.6 | 2049.0 | 2049.0 | 2051.2 | 2052.3 | 2054.5 | 2053.4 | 2056.7 |
| 15°   | 2015.9 | 2021.4 | 2028.0 | 2033.5 | 2039.1 | 2042.4 | 2045.7 | 2046.8 | 2050.1 | 2046.8 | 2047.9 |
| 17.5° | 1996.0 | 2002.6 | 2012.6 | 2019.2 | 2028.0 | 2031.3 | 2035.7 | 2037.9 | 2041.3 | 2039.1 | 2040.2 |
| 20°   | 1968.4 | 1976.2 | 1987.2 | 1997.1 | 2002.6 | 2010.4 | 2015.9 | 2019.2 | 2021.4 | 2019.2 | 2020.3 |
| 22.5° | 1929.8 | 1940.9 | 1955.2 | 1962.9 | 1974.0 | 1980.6 | 1981.7 | 1989.4 | 1994.9 | 1989.4 | 1991.6 |
| 25°   | 1884.6 | 1895.6 | 1906.7 | 1923.2 | 1933.1 | 1940.9 | 1948.6 | 1949.7 | 1955.2 | 1954.1 | 1953.0 |
| 27.5° | 1809.5 | 1823.9 | 1842.6 | 1855.9 | 1869.1 | 1881.3 | 1890.1 | 1892.3 | 1897.8 | 1895.6 | 1896.7 |
| 30°   | 1706.9 | 1722.4 | 1740.1 | 1761.0 | 1779.8 | 1791.9 | 1802.9 | 1810.7 | 1816.2 | 1812.9 | 1811.8 |
| 32.5° | 1561.3 | 1576.7 | 1595.5 | 1616.5 | 1638.5 | 1656.2 | 1669.4 | 1679.4 | 1686.0 | 1683.8 | 1678.3 |
| 35°   | 1394.7 | 1399.1 | 1411.2 | 1427.8 | 1446.5 | 1465.3 | 1477.4 | 1488.5 | 1496.2 | 1498.4 | 1498.4 |
| 37.5° | 1223.7 | 1209.3 | 1200.5 | 1200.5 | 1211.5 | 1219.2 | 1230.3 | 1236.9 | 1249.0 | 1253.4 | 1256.8 |
| 40°   | 1058.1 | 1025.0 | 994.2  | 971.0  | 955.5  | 954.4  | 954.4  | 957.7  | 968.8  | 983.1  | 996.4  |
| 42.5° | 910.3  | 857.3  | 809.9  | 766.9  | 736.0  | 718.3  | 710.6  | 711.7  | 720.5  | 733.8  | 755.8  |
| 45°   | 792.2  | 726.0  | 666.4  | 614.6  | 572.7  | 545.1  | 531.8  | 530.7  | 537.3  | 552.8  | 577.1  |
| 47.5° | 700.7  | 630.0  | 562.7  | 503.1  | 457.9  | 428.1  | 412.7  | 408.3  | 412.7  | 427.0  | 455.7  |
| 50°   | 624.5  | 551.7  | 482.2  | 420.4  | 371.8  | 341.0  | 326.6  | 321.1  | 326.6  | 338.7  | 367.4  |
| 52.5° | 553.9  | 478.9  | 413.8  | 354.2  | 302.3  | 275.8  | 260.4  | 257.1  | 260.4  | 274.7  | 297.9  |
| 55°   | 472.3  | 408.3  | 344.3  | 284.7  | 239.4  | 213.0  | 200.8  | 197.5  | 200.8  | 214.1  | 238.3  |
| 57.5° | 391.7  | 336.5  | 280.3  | 226.2  | 187.6  | 164.4  | 153.4  | 148.9  | 156.7  | 165.5  | 194.2  |
| 60°   | 316.7  | 272.5  | 225.1  | 177.6  | 145.7  | 124.7  | 115.8  | 114.7  | 117.0  | 128.0  | 147.8  |
| 62.5° | 248.3  | 211.9  | 174.3  | 135.7  | 109.2  | 100.4  | 89.4   | 88.3   | 90.5   | 97.1   | 112.6  |
| 65°   | 178.8  | 155.6  | 126.9  | 99.3   | 78.3   | 66.2   | 61.8   | 62.9   | 65.1   | 69.5   | 83.9   |
| 67.5° | 124.7  | 108.1  | 88.3   | 69.5   | 54.1   | 48.5   | 44.1   | 43.0   | 44.1   | 51.9   | 59.6   |
| 70°   | 83.9   | 73.9   | 59.6   | 53.0   | 37.5   | 29.8   | 30.9   | 27.6   | 32.0   | 32.0   | 38.6   |
| 72.5° | 55.2   | 48.5   | 39.7   | 30.9   | 26.5   | 21.0   | 21.0   | 19.9   | 22.1   | 23.2   | 28.7   |
| 75°   | 28.7   | 22.1   | 22.1   | 15.4   | 11.0   | 5.5    | 9.9    | 8.8    | 7.7    | 8.8    | 11.0   |
| 77.5° | 19.9   | 16.5   | 15.4   | 12.1   | 11.0   | 8.8    | 8.8    | 8.8    | 8.8    | 9.9    | 11.0   |
| 80°   | 12.1   | 12.1   | 8.8    | 7.7    | 6.6    | 5.5    | 6.6    | 6.6    | 6.6    | 6.6    | 7.7    |
| 82.5° | 7.7    | 6.6    | 6.6    | 5.5    | 5.5    | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    | 6.6    |
| 85°   | 6.6    | 4.4    | 4.4    | 3.3    | 4.4    | 7.7    | 3.3    | 4.4    | 4.4    | 4.4    | 3.3    |
| 87.5° | 2.2    | 3.3    | 3.3    | 3.3    | 2.2    | 1.1    | 2.2    | 3.3    | 3.3    | 5.5    | 4.4    |
| 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°    | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 | 2055.6 |
| 2.5°  | 2058.9 | 2060.0 | 2060.0 | 2058.9 | 2058.9 | 2056.7 | 2061.1 | 2057.8 | 2058.9 | 2063.3 | 2060.0 |
| 5°    | 2061.1 | 2062.2 | 2062.2 | 2061.1 | 2061.1 | 2061.1 | 2062.2 | 2062.2 | 2061.1 | 2060.0 | 2062.2 |
| 7.5°  | 2065.5 | 2064.4 | 2064.4 | 2062.2 | 2062.2 | 2060.0 | 2062.2 | 2058.9 | 2061.1 | 2058.9 | 2062.2 |
| 10°   | 2060.0 | 2061.1 | 2060.0 | 2058.9 | 2058.9 | 2057.8 | 2057.8 | 2054.5 | 2055.6 | 2052.3 | 2054.5 |
| 12.5° | 2056.7 | 2055.6 | 2055.6 | 2053.4 | 2051.2 | 2049.0 | 2047.9 | 2044.6 | 2044.6 | 2036.8 | 2040.2 |
| 15°   | 2047.9 | 2049.0 | 2045.7 | 2041.3 | 2039.1 | 2033.5 | 2031.3 | 2026.9 | 2022.5 | 2017.0 | 2018.1 |
| 17.5° | 2040.2 | 2036.8 | 2032.4 | 2028.0 | 2019.2 | 2014.8 | 2010.4 | 2003.7 | 2001.5 | 1994.9 | 1992.7 |
| 20°   | 2017.0 | 2014.8 | 2009.3 | 2001.5 | 1996.0 | 1986.1 | 1981.7 | 1975.1 | 1969.5 | 1962.9 | 1959.6 |
| 22.5° | 1987.2 | 1985.0 | 1978.4 | 1970.6 | 1961.8 | 1957.4 | 1953.0 | 1940.9 | 1935.3 | 1928.7 | 1927.6 |
| 25°   | 1949.7 | 1946.4 | 1939.8 | 1930.9 | 1926.5 | 1914.4 | 1910.0 | 1901.1 | 1898.9 | 1892.3 | 1891.2 |
| 27.5° | 1892.3 | 1887.9 | 1880.2 | 1869.1 | 1861.4 | 1853.7 | 1849.3 | 1842.6 | 1840.5 | 1833.8 | 1832.7 |
| 30°   | 1806.3 | 1800.7 | 1785.3 | 1780.9 | 1767.6 | 1759.9 | 1759.9 | 1751.1 | 1752.2 | 1747.8 | 1747.8 |
| 32.5° | 1670.5 | 1661.7 | 1649.6 | 1640.7 | 1631.9 | 1627.5 | 1627.5 | 1624.2 | 1626.4 | 1626.4 | 1628.6 |
| 35°   | 1490.7 | 1478.5 | 1471.9 | 1466.4 | 1466.4 | 1470.8 | 1484.1 | 1487.4 | 1494.0 | 1499.5 | 1503.9 |
| 37.5° | 1260.1 | 1259.0 | 1266.7 | 1273.3 | 1289.9 | 1308.6 | 1331.8 | 1351.7 | 1370.4 | 1383.7 | 1396.9 |
| 40°   | 1010.7 | 1038.3 | 1060.3 | 1091.3 | 1116.6 | 1153.0 | 1195.0 | 1229.2 | 1261.2 | 1284.4 | 1308.6 |
| 42.5° | 788.9  | 824.2  | 870.6  | 915.8  | 961.1  | 1010.7 | 1065.9 | 1113.3 | 1155.2 | 1187.2 | 1212.6 |
| 45°   | 614.6  | 663.1  | 719.4  | 776.8  | 835.3  | 897.1  | 954.4  | 1003.0 | 1047.1 | 1080.2 | 1105.6 |
| 47.5° | 495.4  | 548.4  | 612.4  | 675.3  | 741.5  | 806.6  | 870.6  | 912.5  | 948.9  | 975.4  | 998.6  |
| 50°   | 409.3  | 465.6  | 532.9  | 604.6  | 670.8  | 736.0  | 791.1  | 831.9  | 861.8  | 884.9  | 899.3  |
| 52.5° | 342.0  | 401.6  | 473.4  | 545.1  | 611.3  | 670.8  | 720.5  | 751.4  | 775.7  | 792.2  | 805.5  |
| 55°   | 282.5  | 339.9  | 407.2  | 474.5  | 539.6  | 595.8  | 636.6  | 659.8  | 678.6  | 688.5  | 696.2  |
| 57.5° | 230.6  | 283.6  | 345.4  | 407.2  | 463.4  | 509.8  | 541.8  | 564.9  | 573.8  | 581.5  | 580.4  |
| 60°   | 181.0  | 230.6  | 286.9  | 339.9  | 388.4  | 425.9  | 449.1  | 462.3  | 468.9  | 472.3  | 470.0  |
| 62.5° | 142.3  | 187.6  | 230.6  | 276.9  | 312.3  | 344.3  | 366.3  | 366.3  | 369.6  | 370.7  | 374.1  |
| 65°   | 105.9  | 140.1  | 177.6  | 211.9  | 240.5  | 261.5  | 273.7  | 276.9  | 281.4  | 280.3  | 278.1  |
| 67.5° | 78.3   | 103.7  | 131.3  | 156.7  | 176.5  | 189.8  | 198.6  | 206.3  | 205.2  | 203.0  | 201.9  |
| 70°   | 54.1   | 70.6   | 94.9   | 110.3  | 124.7  | 137.9  | 140.1  | 141.2  | 142.3  | 143.4  | 141.2  |
| 72.5° | 37.5   | 49.6   | 62.9   | 76.1   | 85.0   | 90.5   | 96.0   | 97.1   | 97.1   | 97.1   | 96.0   |
| 75°   | 18.8   | 25.4   | 37.5   | 43.0   | 50.8   | 53.0   | 57.4   | 57.4   | 60.7   | 56.3   | 55.2   |
| 77.5° | 16.5   | 19.9   | 26.5   | 30.9   | 34.2   | 37.5   | 38.6   | 41.9   | 40.8   | 38.6   | 39.7   |
| 80°   | 9.9    | 12.1   | 16.5   | 18.8   | 23.2   | 24.3   | 25.4   | 26.5   | 25.4   | 26.5   | 26.5   |
| 82.5° | 7.7    | 8.8    | 11.0   | 11.0   | 14.3   | 14.3   | 15.4   | 15.4   | 16.5   | 16.5   | 16.5   |
| 85°   | 4.4    | 7.7    | 6.6    | 13.2   | 8.8    | 8.8    | 11.0   | 13.2   | 11.0   | 11.0   | 13.2   |
| 87.5° | 4.4    | 4.4    | 3.3    | 4.4    | 4.4    | 4.4    | 5.5    | 6.6    | 6.6    | 7.7    | 6.6    |
| 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: P249496

CATALOG NUMBER: LSR8B60D010 EC8B609727 8LBDW0B

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 2055.6 | 2055.6 | 2055.6 | 2055.6 |
| 2.5°  | 2058.9 | 2061.1 | 2057.8 | 2056.7 |
| 5°    | 2062.2 | 2062.2 | 2060.0 | 2060.0 |
| 7.5°  | 2062.2 | 2062.2 | 2058.9 | 2056.7 |
| 10°   | 2053.4 | 2053.4 | 2050.1 | 2047.9 |
| 12.5° | 2036.8 | 2036.8 | 2035.7 | 2032.4 |
| 15°   | 2015.9 | 2015.9 | 2011.5 | 2008.2 |
| 17.5° | 1987.2 | 1989.4 | 1983.9 | 1983.9 |
| 20°   | 1956.3 | 1955.2 | 1950.8 | 1948.6 |
| 22.5° | 1924.3 | 1922.1 | 1921.0 | 1914.4 |
| 25°   | 1890.1 | 1887.9 | 1884.6 | 1881.3 |
| 27.5° | 1831.6 | 1830.5 | 1827.2 | 1822.8 |
| 30°   | 1742.2 | 1741.1 | 1736.7 | 1736.7 |
| 32.5° | 1626.4 | 1625.3 | 1620.9 | 1622.0 |
| 35°   | 1506.1 | 1510.5 | 1508.3 | 1503.9 |
| 37.5° | 1405.7 | 1409.0 | 1411.2 | 1409.0 |
| 40°   | 1321.9 | 1331.8 | 1332.9 | 1335.1 |
| 42.5° | 1232.5 | 1245.7 | 1250.1 | 1252.3 |
| 45°   | 1125.4 | 1137.6 | 1147.5 | 1145.3 |
| 47.5° | 1016.2 | 1025.0 | 1033.9 | 1027.2 |
| 50°   | 911.4  | 916.9  | 920.2  | 920.2  |
| 52.5° | 812.1  | 812.1  | 811.0  | 812.1  |
| 55°   | 698.4  | 698.4  | 694.0  | 696.2  |
| 57.5° | 579.3  | 581.5  | 578.2  | 572.7  |
| 60°   | 468.9  | 463.4  | 461.2  | 457.9  |
| 62.5° | 365.2  | 365.2  | 357.5  | 367.4  |
| 65°   | 273.7  | 270.3  | 267.0  | 265.9  |
| 67.5° | 198.6  | 197.5  | 194.2  | 193.1  |
| 70°   | 140.1  | 135.7  | 134.6  | 132.4  |
| 72.5° | 93.8   | 93.8   | 91.6   | 91.6   |
| 75°   | 57.4   | 51.9   | 50.8   | 51.9   |
| 77.5° | 39.7   | 38.6   | 38.6   | 37.5   |
| 80°   | 26.5   | 25.4   | 27.6   | 24.3   |
| 82.5° | 16.5   | 17.7   | 16.5   | 17.7   |
| 85°   | 11.0   | 13.2   | 12.1   | 12.1   |
| 87.5° | 6.6    | 6.6    | 6.6    | 6.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)