

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: P246100

Luminaire Tested: **LD8B40D010 ER8B40930 8LBDW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246100
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 ER8B40930 8LBDW0GPH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3600.6 lumens
Efficiency: N/A
Efficacy: 88.0 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

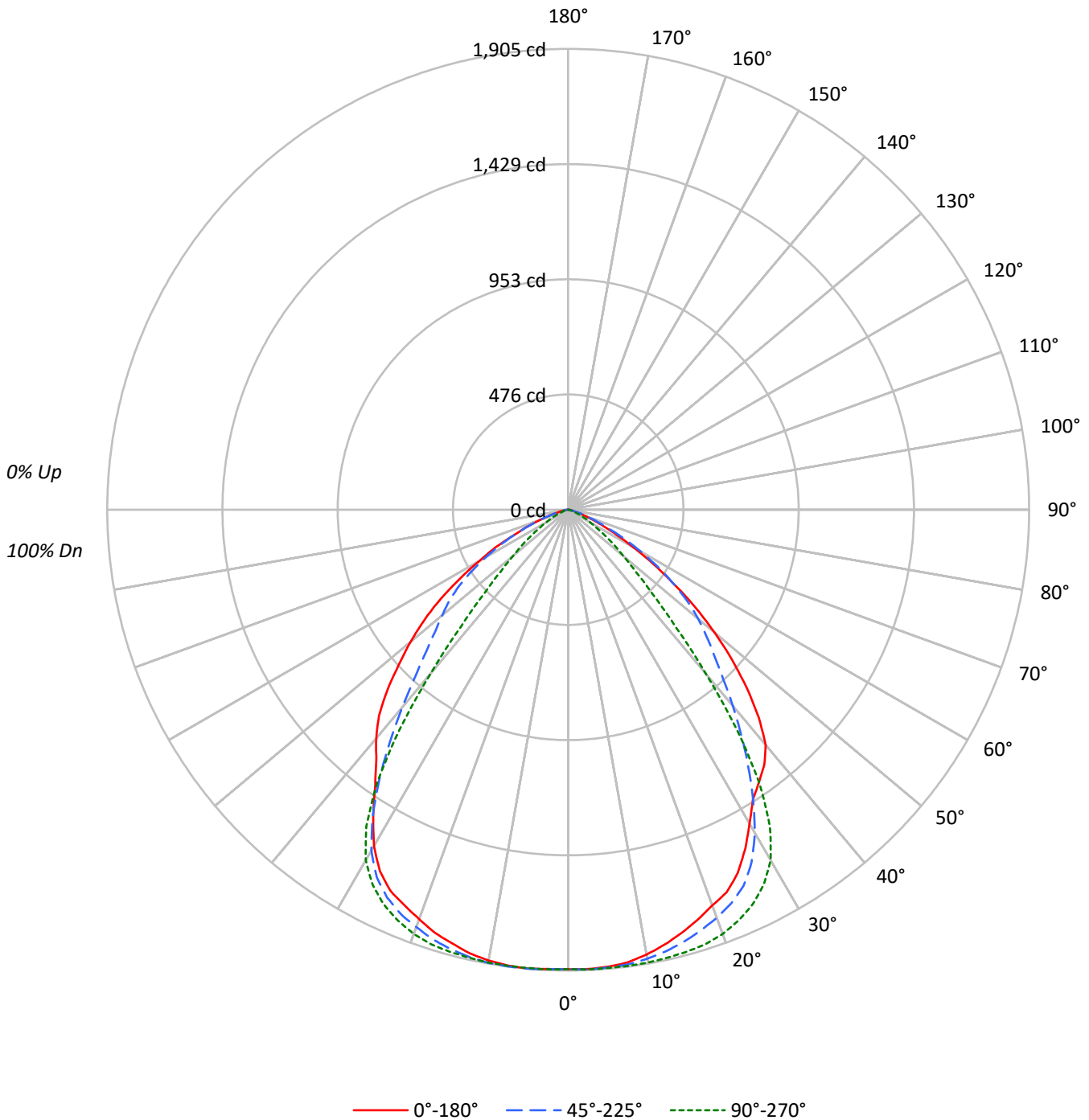
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246100

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Luminous Intensity Polar Plot





TEST NUMBER: P246100

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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 | 52 | 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° | 181.3 | 5.0 |
| 10°-20° | 526.5 | 14.6 |
| 20°-30° | 799.2 | 22.2 |
| 30°-40° | 839.4 | 23.3 |
| 40°-50° | 629.3 | 17.5 |
| 50°-60° | 403.8 | 11.2 |
| 60°-70° | 172.7 | 4.8 |
| 70°-80° | 40.8 | 1.1 |
| 80°-90° | 7.6 | 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° | 1507.0 | 41.9 |
| 0°-40° | 2346.4 | 65.2 |
| 0°-60° | 3379.5 | 93.9 |
| 0°-90° | 3600.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3600.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1900 | 1900 | 1900 | 1900 | 1900 | |
| 5° | 1897 | 1900 | 1902 | 1905 | 1904 | 180 |
| 15° | 1811 | 1849 | 1892 | 1879 | 1856 | 511 |
| 25° | 1657 | 1715 | 1802 | 1769 | 1739 | 757 |
| 35° | 1375 | 1298 | 1376 | 1359 | 1390 | 863 |
| 45° | 1044 | 854 | 490 | 829 | 1058 | 800 |
| 55° | 528 | 528 | 182 | 551 | 644 | 479 |
| 65° | 159 | 188 | 58 | 242 | 246 | 170 |
| 75° | 24 | 29 | 8 | 49 | 48 | 36 |
| 85° | 8 | 5 | 4 | 8 | 11 | 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° | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 |
| 2.5° | 1900.8 | 1902.9 | 1901.8 | 1901.8 | 1900.8 | 1901.8 | 1901.8 | 1903.9 | 1903.9 | 1901.8 | 1900.8 |
| 5° | 1896.7 | 1898.7 | 1898.7 | 1896.7 | 1896.7 | 1901.8 | 1898.7 | 1900.8 | 1900.8 | 1899.8 | 1899.8 |
| 7.5° | 1887.5 | 1887.5 | 1891.6 | 1888.5 | 1888.5 | 1891.6 | 1890.6 | 1892.6 | 1894.7 | 1895.7 | 1895.7 |
| 10° | 1867.1 | 1869.2 | 1870.2 | 1870.2 | 1871.3 | 1874.3 | 1876.3 | 1880.4 | 1882.4 | 1884.5 | 1885.5 |
| 12.5° | 1841.7 | 1844.7 | 1845.7 | 1844.7 | 1847.7 | 1851.9 | 1856.9 | 1862.1 | 1865.1 | 1869.2 | 1872.3 |
| 15° | 1811.1 | 1811.1 | 1813.1 | 1816.1 | 1818.3 | 1824.3 | 1829.4 | 1835.5 | 1843.7 | 1848.8 | 1853.9 |
| 17.5° | 1777.5 | 1779.5 | 1782.5 | 1782.5 | 1786.6 | 1796.7 | 1799.9 | 1809.1 | 1818.3 | 1823.3 | 1833.5 |
| 20° | 1740.7 | 1742.7 | 1745.8 | 1747.9 | 1752.9 | 1761.1 | 1767.3 | 1775.3 | 1785.5 | 1794.7 | 1804.9 |
| 22.5° | 1712.1 | 1708.1 | 1710.1 | 1712.1 | 1717.3 | 1724.4 | 1731.5 | 1741.7 | 1751.9 | 1761.1 | 1771.3 |
| 25° | 1657.1 | 1658.1 | 1661.2 | 1663.2 | 1669.3 | 1675.4 | 1683.6 | 1695.8 | 1705.0 | 1715.2 | 1726.5 |
| 27.5° | 1582.6 | 1583.6 | 1588.8 | 1588.8 | 1593.8 | 1604.0 | 1609.2 | 1619.4 | 1631.6 | 1641.8 | 1655.0 |
| 30° | 1498.0 | 1500.0 | 1500.0 | 1504.2 | 1507.2 | 1512.2 | 1517.4 | 1527.6 | 1533.6 | 1542.8 | 1561.2 |
| 32.5° | 1420.5 | 1422.5 | 1421.5 | 1420.5 | 1417.4 | 1416.4 | 1415.4 | 1417.4 | 1419.5 | 1422.5 | 1429.6 |
| 35° | 1374.6 | 1369.5 | 1365.5 | 1358.3 | 1350.1 | 1339.9 | 1330.7 | 1318.5 | 1307.3 | 1298.1 | 1287.9 |
| 37.5° | 1330.7 | 1329.7 | 1323.7 | 1313.4 | 1297.1 | 1278.7 | 1257.3 | 1230.9 | 1204.3 | 1175.7 | 1148.2 |
| 40° | 1269.5 | 1266.5 | 1261.5 | 1247.1 | 1228.7 | 1206.3 | 1177.8 | 1145.2 | 1102.3 | 1058.4 | 1013.6 |
| 42.5° | 1165.5 | 1166.6 | 1160.5 | 1149.2 | 1131.9 | 1110.5 | 1080.9 | 1045.2 | 999.4 | 947.4 | 889.2 |
| 45° | 1044.2 | 1044.2 | 1042.2 | 1033.0 | 1020.8 | 1003.4 | 981.0 | 951.4 | 906.6 | 853.5 | 791.3 |
| 47.5° | 917.8 | 918.8 | 915.7 | 913.7 | 908.6 | 897.4 | 881.1 | 858.6 | 827.0 | 776.1 | 713.9 |
| 50° | 789.3 | 789.3 | 794.3 | 793.3 | 793.3 | 789.3 | 782.1 | 768.9 | 741.3 | 700.5 | 642.4 |
| 52.5° | 660.8 | 662.8 | 665.9 | 670.0 | 675.1 | 683.2 | 675.1 | 668.9 | 651.6 | 620.0 | 570.0 |
| 55° | 528.2 | 530.2 | 535.4 | 542.5 | 548.6 | 556.8 | 558.8 | 558.8 | 549.6 | 528.2 | 490.5 |
| 57.5° | 415.0 | 412.0 | 416.1 | 422.2 | 430.4 | 438.5 | 444.6 | 451.8 | 450.8 | 436.4 | 405.9 |
| 60° | 312.1 | 313.1 | 316.1 | 322.3 | 328.3 | 335.5 | 343.7 | 349.8 | 352.9 | 345.7 | 326.3 |
| 62.5° | 227.5 | 227.5 | 231.5 | 237.5 | 240.7 | 250.9 | 255.9 | 259.1 | 262.1 | 261.1 | 248.9 |
| 65° | 159.1 | 161.1 | 163.1 | 166.2 | 169.3 | 175.4 | 178.5 | 184.5 | 186.6 | 187.7 | 178.5 |
| 67.5° | 112.2 | 109.1 | 111.2 | 113.2 | 116.2 | 120.4 | 126.4 | 126.4 | 129.5 | 129.5 | 123.4 |
| 70° | 71.4 | 71.4 | 72.4 | 75.4 | 77.5 | 78.5 | 80.6 | 82.6 | 85.6 | 84.6 | 84.6 |
| 72.5° | 48.0 | 46.9 | 48.0 | 49.0 | 50.0 | 53.0 | 53.0 | 54.0 | 56.0 | 57.1 | 53.0 |
| 75° | 24.4 | 25.4 | 27.6 | 26.6 | 29.6 | 27.6 | 28.6 | 31.6 | 30.6 | 28.6 | 28.6 |
| 77.5° | 20.4 | 20.4 | 20.4 | 19.4 | 21.4 | 21.4 | 20.4 | 22.4 | 21.4 | 21.4 | 20.4 |
| 80° | 14.2 | 15.2 | 14.2 | 13.2 | 14.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 12.2 |
| 82.5° | 11.2 | 9.2 | 10.2 | 9.2 | 10.2 | 10.2 | 9.2 | 8.2 | 8.2 | 9.2 | 8.2 |
| 85° | 8.2 | 6.2 | 7.2 | 7.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 5.0 | 5.0 |
| 87.5° | 5.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 2.0 |
| 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° | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 |
| 2.5° | 1902.9 | 1901.8 | 1903.9 | 1902.9 | 1902.9 | 1901.8 | 1902.9 | 1901.8 | 1903.9 | 1899.8 | 1900.8 |
| 5° | 1902.9 | 1900.8 | 1901.8 | 1902.9 | 1903.9 | 1901.8 | 1901.8 | 1901.8 | 1903.9 | 1901.8 | 1902.9 |
| 7.5° | 1898.7 | 1897.7 | 1900.8 | 1902.9 | 1901.8 | 1900.8 | 1902.9 | 1901.8 | 1903.9 | 1902.9 | 1904.9 |
| 10° | 1890.6 | 1891.6 | 1893.7 | 1896.7 | 1897.7 | 1898.7 | 1900.8 | 1900.8 | 1903.9 | 1899.8 | 1901.8 |
| 12.5° | 1878.3 | 1882.4 | 1887.5 | 1889.6 | 1893.7 | 1893.7 | 1895.7 | 1896.7 | 1898.7 | 1897.7 | 1900.8 |
| 15° | 1863.1 | 1868.1 | 1874.3 | 1879.4 | 1884.5 | 1887.5 | 1890.6 | 1891.6 | 1894.7 | 1891.6 | 1892.6 |
| 17.5° | 1844.7 | 1850.8 | 1860.0 | 1866.1 | 1874.3 | 1877.3 | 1881.4 | 1883.5 | 1886.5 | 1884.5 | 1885.5 |
| 20° | 1819.2 | 1826.3 | 1836.5 | 1845.7 | 1850.8 | 1857.9 | 1863.1 | 1866.1 | 1868.1 | 1866.1 | 1867.1 |
| 22.5° | 1783.5 | 1793.7 | 1806.9 | 1814.1 | 1824.3 | 1830.5 | 1831.5 | 1838.6 | 1843.7 | 1838.6 | 1840.7 |
| 25° | 1741.7 | 1751.9 | 1762.1 | 1777.5 | 1786.6 | 1793.7 | 1800.9 | 1801.9 | 1806.9 | 1805.9 | 1804.9 |
| 27.5° | 1672.4 | 1685.6 | 1702.9 | 1715.2 | 1727.5 | 1738.7 | 1746.9 | 1748.9 | 1753.9 | 1751.9 | 1752.9 |
| 30° | 1577.6 | 1591.8 | 1608.2 | 1627.5 | 1644.8 | 1656.1 | 1666.3 | 1673.4 | 1678.5 | 1675.4 | 1674.4 |
| 32.5° | 1443.0 | 1457.2 | 1474.6 | 1494.0 | 1514.4 | 1530.6 | 1542.8 | 1552.0 | 1558.2 | 1556.2 | 1551.0 |
| 35° | 1288.9 | 1293.1 | 1304.3 | 1319.5 | 1336.9 | 1354.2 | 1365.5 | 1375.6 | 1382.8 | 1384.8 | 1384.8 |
| 37.5° | 1130.9 | 1117.6 | 1109.5 | 1109.5 | 1119.7 | 1126.8 | 1137.0 | 1143.1 | 1154.4 | 1158.4 | 1161.5 |
| 40° | 978.0 | 947.4 | 918.8 | 897.4 | 883.1 | 882.1 | 882.1 | 885.1 | 895.3 | 908.6 | 920.8 |
| 42.5° | 841.3 | 792.3 | 748.5 | 708.7 | 680.2 | 663.9 | 656.7 | 657.7 | 665.9 | 678.1 | 698.5 |
| 45° | 732.1 | 671.0 | 615.9 | 568.0 | 529.2 | 503.8 | 491.6 | 490.5 | 496.6 | 510.8 | 533.4 |
| 47.5° | 647.5 | 582.2 | 520.0 | 465.0 | 423.2 | 395.6 | 381.4 | 377.3 | 381.4 | 394.6 | 421.2 |
| 50° | 577.2 | 509.8 | 445.6 | 388.5 | 343.7 | 315.1 | 301.9 | 296.7 | 301.9 | 313.1 | 339.6 |
| 52.5° | 511.8 | 442.6 | 382.4 | 327.3 | 279.4 | 254.9 | 240.7 | 237.5 | 240.7 | 253.9 | 275.3 |
| 55° | 436.4 | 377.3 | 318.1 | 263.1 | 221.3 | 196.8 | 185.6 | 182.5 | 185.6 | 197.9 | 220.3 |
| 57.5° | 362.0 | 311.0 | 259.1 | 209.1 | 173.3 | 151.9 | 141.7 | 137.7 | 144.8 | 152.9 | 179.5 |
| 60° | 292.7 | 251.9 | 208.1 | 164.2 | 134.6 | 115.2 | 107.1 | 106.0 | 108.1 | 118.3 | 136.6 |
| 62.5° | 229.5 | 195.8 | 161.1 | 125.4 | 101.0 | 92.8 | 82.6 | 81.6 | 83.6 | 89.7 | 104.0 |
| 65° | 165.2 | 143.8 | 117.3 | 91.8 | 72.4 | 61.2 | 57.1 | 58.2 | 60.2 | 64.2 | 77.5 |
| 67.5° | 115.2 | 99.9 | 81.6 | 64.2 | 50.0 | 44.8 | 40.8 | 39.8 | 40.8 | 48.0 | 55.0 |
| 70° | 77.5 | 68.3 | 55.0 | 49.0 | 34.6 | 27.6 | 28.6 | 25.4 | 29.6 | 29.6 | 35.6 |
| 72.5° | 51.0 | 44.8 | 36.7 | 28.6 | 24.4 | 19.4 | 19.4 | 18.4 | 20.4 | 21.4 | 26.6 |
| 75° | 26.6 | 20.4 | 20.4 | 14.2 | 10.2 | 5.0 | 9.2 | 8.2 | 7.2 | 8.2 | 10.2 |
| 77.5° | 18.4 | 15.2 | 14.2 | 11.2 | 10.2 | 8.2 | 8.2 | 8.2 | 8.2 | 9.2 | 10.2 |
| 80° | 11.2 | 11.2 | 8.2 | 7.2 | 6.2 | 5.0 | 6.2 | 6.2 | 6.2 | 6.2 | 7.2 |
| 82.5° | 7.2 | 6.2 | 6.2 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 6.2 |
| 85° | 6.2 | 4.0 | 4.0 | 3.0 | 4.0 | 7.2 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 |
| 87.5° | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 5.0 | 4.0 |
| 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° | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 | 1899.8 |
| 2.5° | 1902.9 | 1903.9 | 1903.9 | 1902.9 | 1902.9 | 1900.8 | 1904.9 | 1901.8 | 1902.9 | 1906.9 | 1903.9 |
| 5° | 1904.9 | 1905.9 | 1905.9 | 1904.9 | 1904.9 | 1904.9 | 1905.9 | 1905.9 | 1904.9 | 1903.9 | 1905.9 |
| 7.5° | 1909.0 | 1907.9 | 1907.9 | 1905.9 | 1905.9 | 1903.9 | 1905.9 | 1902.9 | 1904.9 | 1902.9 | 1905.9 |
| 10° | 1903.9 | 1904.9 | 1903.9 | 1902.9 | 1902.9 | 1901.8 | 1901.8 | 1898.7 | 1899.8 | 1896.7 | 1898.7 |
| 12.5° | 1900.8 | 1899.8 | 1899.8 | 1897.7 | 1895.7 | 1893.7 | 1892.6 | 1889.6 | 1889.6 | 1882.4 | 1885.5 |
| 15° | 1892.6 | 1893.7 | 1890.6 | 1886.5 | 1884.5 | 1879.4 | 1877.3 | 1873.3 | 1869.2 | 1864.1 | 1865.1 |
| 17.5° | 1885.5 | 1882.4 | 1878.3 | 1874.3 | 1866.1 | 1862.1 | 1857.9 | 1851.9 | 1849.8 | 1843.7 | 1841.7 |
| 20° | 1864.1 | 1862.1 | 1856.9 | 1849.8 | 1844.7 | 1835.5 | 1831.5 | 1825.3 | 1820.3 | 1814.1 | 1811.1 |
| 22.5° | 1836.5 | 1834.5 | 1828.4 | 1821.3 | 1813.1 | 1809.1 | 1804.9 | 1793.7 | 1788.7 | 1782.5 | 1781.5 |
| 25° | 1801.9 | 1798.9 | 1792.7 | 1784.5 | 1780.5 | 1769.3 | 1765.1 | 1757.1 | 1754.9 | 1748.9 | 1747.9 |
| 27.5° | 1748.9 | 1744.7 | 1737.7 | 1727.5 | 1720.3 | 1713.1 | 1709.1 | 1702.9 | 1700.9 | 1694.8 | 1693.8 |
| 30° | 1669.3 | 1664.2 | 1649.9 | 1645.9 | 1633.6 | 1626.5 | 1626.5 | 1618.3 | 1619.4 | 1615.2 | 1615.2 |
| 32.5° | 1543.8 | 1535.8 | 1524.6 | 1516.4 | 1508.2 | 1504.2 | 1504.2 | 1501.0 | 1503.1 | 1503.1 | 1505.2 |
| 35° | 1377.7 | 1366.5 | 1360.3 | 1355.3 | 1355.3 | 1359.3 | 1371.5 | 1374.6 | 1380.7 | 1385.8 | 1389.9 |
| 37.5° | 1164.5 | 1163.5 | 1170.7 | 1176.8 | 1192.1 | 1209.4 | 1230.9 | 1249.2 | 1266.5 | 1278.7 | 1290.9 |
| 40° | 934.1 | 959.6 | 980.0 | 1008.6 | 1032.0 | 1065.6 | 1104.4 | 1136.0 | 1165.5 | 1187.0 | 1209.4 |
| 42.5° | 729.1 | 761.7 | 804.5 | 846.4 | 888.2 | 934.1 | 985.1 | 1029.0 | 1067.6 | 1097.2 | 1120.7 |
| 45° | 568.0 | 612.9 | 664.9 | 717.9 | 771.9 | 829.1 | 882.1 | 927.0 | 967.8 | 998.4 | 1021.8 |
| 47.5° | 457.8 | 506.8 | 566.0 | 624.1 | 685.3 | 745.5 | 804.5 | 843.3 | 877.0 | 901.4 | 922.9 |
| 50° | 378.3 | 430.4 | 492.6 | 558.8 | 620.0 | 680.2 | 731.1 | 768.9 | 796.5 | 817.9 | 831.1 |
| 52.5° | 316.1 | 371.2 | 437.5 | 503.8 | 564.9 | 620.0 | 665.9 | 694.5 | 716.9 | 732.1 | 744.5 |
| 55° | 261.1 | 314.1 | 376.3 | 438.5 | 498.6 | 550.6 | 588.4 | 609.8 | 627.1 | 636.3 | 643.5 |
| 57.5° | 213.1 | 262.1 | 319.1 | 376.3 | 428.3 | 471.2 | 500.8 | 522.2 | 530.2 | 537.4 | 536.4 |
| 60° | 167.3 | 213.1 | 265.1 | 314.1 | 358.9 | 393.6 | 415.0 | 427.2 | 433.4 | 436.4 | 434.4 |
| 62.5° | 131.5 | 173.3 | 213.1 | 255.9 | 288.5 | 318.1 | 338.5 | 338.5 | 341.6 | 342.6 | 345.7 |
| 65° | 97.9 | 129.5 | 164.2 | 195.8 | 222.3 | 241.7 | 252.9 | 255.9 | 260.1 | 259.1 | 256.9 |
| 67.5° | 72.4 | 95.8 | 121.3 | 144.8 | 163.1 | 175.4 | 183.5 | 190.7 | 189.7 | 187.7 | 186.6 |
| 70° | 50.0 | 65.2 | 87.7 | 102.0 | 115.2 | 127.5 | 129.5 | 130.5 | 131.5 | 132.6 | 130.5 |
| 72.5° | 34.6 | 45.8 | 58.2 | 70.4 | 78.5 | 83.6 | 88.7 | 89.7 | 89.7 | 89.7 | 88.7 |
| 75° | 17.4 | 23.4 | 34.6 | 39.8 | 46.9 | 49.0 | 53.0 | 53.0 | 56.0 | 52.0 | 51.0 |
| 77.5° | 15.2 | 18.4 | 24.4 | 28.6 | 31.6 | 34.6 | 35.6 | 38.8 | 37.8 | 35.6 | 36.7 |
| 80° | 9.2 | 11.2 | 15.2 | 17.4 | 21.4 | 22.4 | 23.4 | 24.4 | 23.4 | 24.4 | 24.4 |
| 82.5° | 7.2 | 8.2 | 10.2 | 10.2 | 13.2 | 13.2 | 14.2 | 14.2 | 15.2 | 15.2 | 15.2 |
| 85° | 4.0 | 7.2 | 6.2 | 12.2 | 8.2 | 8.2 | 10.2 | 12.2 | 10.2 | 10.2 | 12.2 |
| 87.5° | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.2 | 6.2 | 7.2 | 6.2 |
| 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: P246100

CATALOG NUMBER: LD8B40D010 ER8B40930 8LBDW0GPH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1899.8 | 1899.8 | 1899.8 | 1899.8 |
| 2.5° | 1902.9 | 1904.9 | 1901.8 | 1900.8 |
| 5° | 1905.9 | 1905.9 | 1903.9 | 1903.9 |
| 7.5° | 1905.9 | 1905.9 | 1902.9 | 1900.8 |
| 10° | 1897.7 | 1897.7 | 1894.7 | 1892.6 |
| 12.5° | 1882.4 | 1882.4 | 1881.4 | 1878.3 |
| 15° | 1863.1 | 1863.1 | 1859.0 | 1855.9 |
| 17.5° | 1836.5 | 1838.6 | 1833.5 | 1833.5 |
| 20° | 1807.9 | 1806.9 | 1802.9 | 1800.9 |
| 22.5° | 1778.5 | 1776.3 | 1775.3 | 1769.3 |
| 25° | 1746.9 | 1744.7 | 1741.7 | 1738.7 |
| 27.5° | 1692.8 | 1691.7 | 1688.7 | 1684.6 |
| 30° | 1610.2 | 1609.2 | 1605.0 | 1605.0 |
| 32.5° | 1503.1 | 1502.0 | 1498.0 | 1499.0 |
| 35° | 1391.9 | 1396.0 | 1394.0 | 1389.9 |
| 37.5° | 1299.1 | 1302.3 | 1304.3 | 1302.3 |
| 40° | 1221.7 | 1230.9 | 1231.9 | 1233.9 |
| 42.5° | 1139.0 | 1151.3 | 1155.4 | 1157.4 |
| 45° | 1040.2 | 1051.4 | 1060.6 | 1058.4 |
| 47.5° | 939.2 | 947.4 | 955.5 | 949.4 |
| 50° | 842.3 | 847.4 | 850.5 | 850.5 |
| 52.5° | 750.5 | 750.5 | 749.5 | 750.5 |
| 55° | 645.5 | 645.5 | 641.4 | 643.5 |
| 57.5° | 535.4 | 537.4 | 534.4 | 529.2 |
| 60° | 433.4 | 428.3 | 426.2 | 423.2 |
| 62.5° | 337.5 | 337.5 | 330.4 | 339.6 |
| 65° | 252.9 | 249.9 | 246.7 | 245.7 |
| 67.5° | 183.5 | 182.5 | 179.5 | 178.5 |
| 70° | 129.5 | 125.4 | 124.4 | 122.4 |
| 72.5° | 86.7 | 86.7 | 84.6 | 84.6 |
| 75° | 53.0 | 48.0 | 46.9 | 48.0 |
| 77.5° | 36.7 | 35.6 | 35.6 | 34.6 |
| 80° | 24.4 | 23.4 | 25.4 | 22.4 |
| 82.5° | 15.2 | 16.4 | 15.2 | 16.4 |
| 85° | 10.2 | 12.2 | 11.2 | 11.2 |
| 87.5° | 6.2 | 6.2 | 6.2 | 6.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)