

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P212745

Luminaire Tested: **LD4B40D010 EU4B30508030 4LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29201)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD4B40D010 EU4B30508030 4LBSWLI1
Description: PORTFOLIO 4 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3709.9 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.3 / 1.21
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

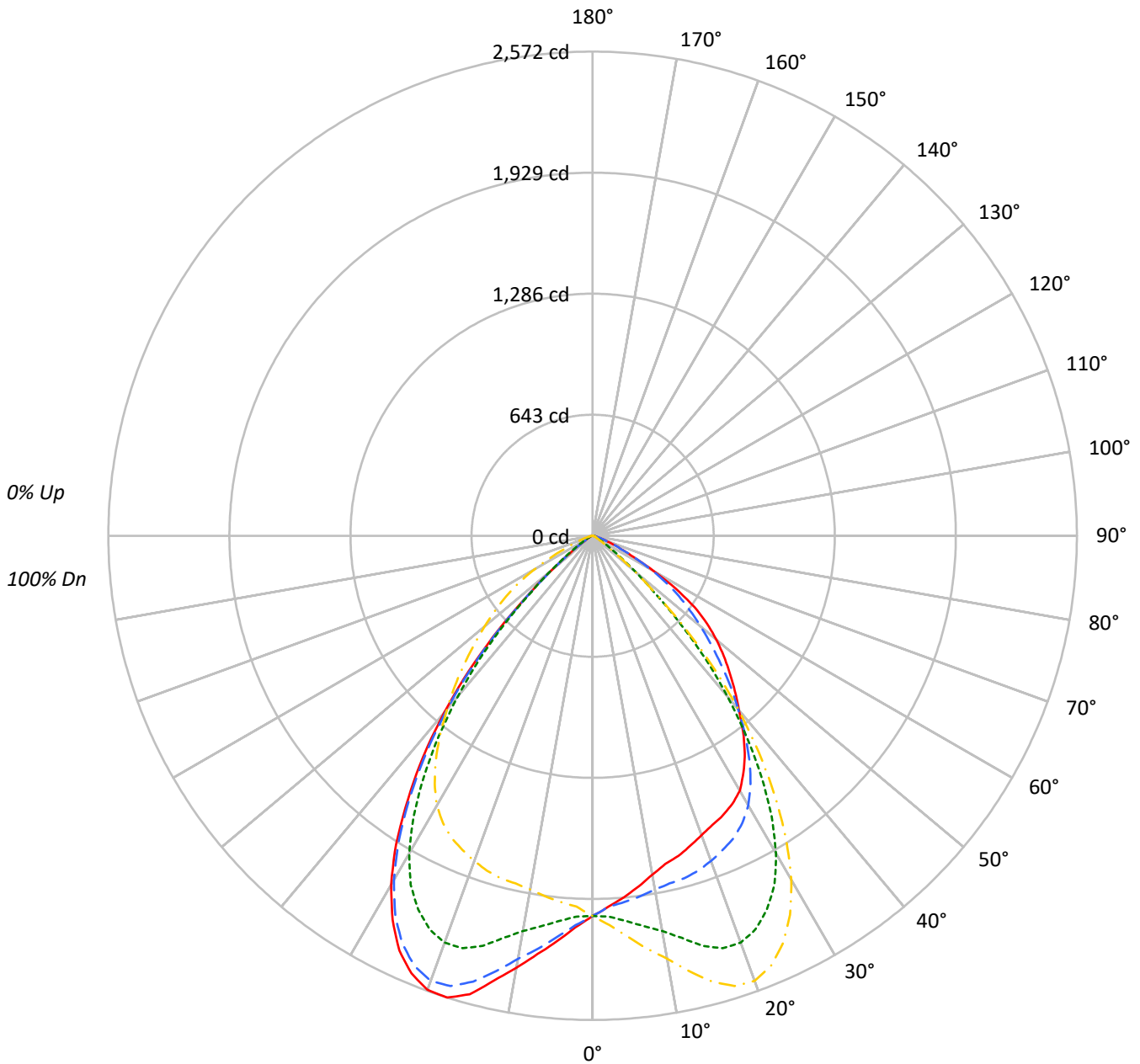
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212745

CATALOG NUMBER: LD4B40D010 EU4B30508030 4LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212745

CATALOG NUMBER: LD4B40D010 EU4B30508030 4LBSWLI1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 50 | | | | | | | | | 30 | | | | | | | | | 10 | | | | | | | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 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 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 99 | 99 | 97 | 96 | 95 | 94 | 93 | 91 | | | | | | | | | | | | | | | | | | | |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 86 | 83 | 82 | | | | | | | | | | | | | | | | | | | |
| 3 | 98 | 90 | 84 | 80 | 96 | 89 | 83 | 79 | 86 | 81 | 78 | 84 | 80 | 76 | 81 | 78 | 75 | 73 | | | | | | | | | | | | | | | | | | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 81 | 75 | 70 | 79 | 74 | 69 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | | | | | | | | | | | | | | | | | | | |
| 5 | 86 | 76 | 69 | 63 | 84 | 75 | 68 | 63 | 73 | 67 | 62 | 71 | 66 | 62 | 69 | 65 | 61 | 60 | | | | | | | | | | | | | | | | | | | |
| 6 | 80 | 70 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 56 | 54 | | | | | | | | | | | | | | | | | | | |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 57 | 52 | 62 | 56 | 51 | 61 | 55 | 51 | 59 | 55 | 51 | 49 | | | | | | | | | | | | | | | | | | | |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 46 | 45 | | | | | | | | | | | | | | | | | | | |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 46 | 43 | 41 | | | | | | | | | | | | | | | | | | | |
| 10 | 63 | 51 | 44 | 40 | 62 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 39 | 48 | 43 | 39 | 38 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|--------|--------|
| 0° | 249121 | 249121 | 249121 | 249121 |
| 5° | 238508 | 254369 | 267580 | 254369 |
| 10° | 228904 | 266992 | 291729 | 266992 |
| 15° | 224861 | 287892 | 321962 | 287892 |
| 20° | 222029 | 301876 | 336896 | 301876 |
| 25° | 222954 | 298107 | 330797 | 298107 |
| 30° | 222685 | 277391 | 304752 | 277391 |
| 35° | 212118 | 235427 | 257517 | 235427 |
| 40° | 194604 | 179147 | 197615 | 179147 |
| 45° | 179635 | 114030 | 122873 | 114030 |
| 50° | 164336 | 55284 | 53749 | 55284 |
| 55° | 142296 | 24107 | 17204 | 24107 |
| 60° | 92139 | 11841 | 7894 | 11841 |
| 65° | 48274 | 7793 | 6217 | 7793 |
| 70° | 25966 | 5770 | 4796 | 5770 |
| 75° | 13964 | 5099 | 3813 | 5099 |
| 80° | 9447 | 3765 | 1918 | 3765 |
| 85° | 7501 | 3821 | 0 | 3821 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 196.9 | 5.3 |
| 10°-20° | 615.9 | 16.6 |
| 20°-30° | 957.6 | 25.8 |
| 30°-40° | 967.2 | 26.1 |
| 40°-50° | 612.4 | 16.5 |
| 50°-60° | 257.0 | 6.9 |
| 60°-70° | 81.5 | 2.2 |
| 70°-80° | 18.6 | 0.5 |
| 80°-90° | 2.7 | 0.1 |
| 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° | 1770.5 | 47.7 |
| 0°-40° | 2737.7 | 73.8 |
| 0°-60° | 3607.2 | 97.2 |
| 0°-90° | 3709.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3709.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2020 | 2020 | 2020 | 2020 | 2020 | |
| 5° | 1926 | 2054 | 2161 | 2054 | 1926 | 181 |
| 15° | 1761 | 2254 | 2521 | 2254 | 1761 | 496 |
| 25° | 1638 | 2190 | 2431 | 2190 | 1638 | 754 |
| 35° | 1409 | 1564 | 1710 | 1564 | 1409 | 875 |
| 45° | 1030 | 654 | 704 | 654 | 1030 | 795 |
| 55° | 662 | 112 | 80 | 112 | 662 | 571 |
| 65° | 165 | 27 | 21 | 27 | 165 | 183 |
| 75° | 29 | 11 | 8 | 11 | 29 | 36 |
| 85° | 5 | 3 | 0 | 3 | 5 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P212745

CATALOG NUMBER: LD4B40D010 EU4B30508030 4LBSWLI1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 |
| 2.5° | 1971.7 | 1953.0 | 1969.0 | 1974.3 | 1974.3 | 1971.7 | 1977.0 | 1971.7 | 1963.7 | 1995.7 | 1971.7 |
| 5° | 1926.3 | 1913.0 | 1926.3 | 1931.6 | 1934.3 | 1937.0 | 1942.3 | 1942.3 | 1939.6 | 1969.0 | 1953.0 |
| 7.5° | 1878.3 | 1870.3 | 1880.9 | 1888.9 | 1899.6 | 1897.0 | 1905.0 | 1907.6 | 1913.0 | 1947.6 | 1931.6 |
| 10° | 1827.6 | 1819.6 | 1832.9 | 1838.3 | 1851.6 | 1854.3 | 1859.6 | 1867.6 | 1878.3 | 1913.0 | 1907.6 |
| 12.5° | 1784.9 | 1782.2 | 1790.2 | 1800.9 | 1814.2 | 1816.9 | 1822.2 | 1835.6 | 1851.6 | 1888.9 | 1891.6 |
| 15° | 1760.9 | 1758.2 | 1766.2 | 1776.9 | 1787.6 | 1792.9 | 1798.2 | 1816.9 | 1832.9 | 1872.9 | 1883.6 |
| 17.5° | 1726.2 | 1726.2 | 1734.2 | 1744.9 | 1758.2 | 1763.6 | 1771.6 | 1790.2 | 1811.6 | 1851.6 | 1864.9 |
| 20° | 1691.5 | 1694.2 | 1699.5 | 1710.2 | 1723.5 | 1728.9 | 1736.9 | 1755.5 | 1779.6 | 1819.6 | 1838.3 |
| 22.5° | 1662.2 | 1670.2 | 1672.8 | 1680.8 | 1694.2 | 1702.2 | 1704.9 | 1726.2 | 1747.5 | 1782.2 | 1806.2 |
| 25° | 1638.2 | 1648.8 | 1648.8 | 1654.2 | 1670.2 | 1672.8 | 1675.5 | 1696.9 | 1715.5 | 1747.5 | 1771.6 |
| 27.5° | 1606.1 | 1616.8 | 1616.8 | 1624.8 | 1635.5 | 1640.8 | 1640.8 | 1659.5 | 1678.2 | 1702.2 | 1720.9 |
| 30° | 1563.5 | 1571.5 | 1571.5 | 1574.1 | 1584.8 | 1590.1 | 1587.5 | 1606.1 | 1619.5 | 1635.5 | 1654.2 |
| 32.5° | 1491.4 | 1504.8 | 1499.4 | 1507.4 | 1512.8 | 1518.1 | 1512.8 | 1528.8 | 1539.4 | 1555.4 | 1560.8 |
| 35° | 1408.7 | 1419.4 | 1411.4 | 1416.7 | 1427.4 | 1427.4 | 1424.7 | 1435.4 | 1440.7 | 1448.7 | 1451.4 |
| 37.5° | 1312.7 | 1320.7 | 1315.3 | 1318.0 | 1323.3 | 1326.0 | 1320.7 | 1331.3 | 1331.3 | 1334.0 | 1328.7 |
| 40° | 1208.6 | 1221.9 | 1213.9 | 1213.9 | 1219.3 | 1221.9 | 1213.9 | 1219.3 | 1224.6 | 1211.3 | 1200.6 |
| 42.5° | 1117.9 | 1131.2 | 1123.2 | 1123.2 | 1123.2 | 1125.9 | 1115.2 | 1117.9 | 1117.9 | 1099.2 | 1083.2 |
| 45° | 1029.8 | 1040.5 | 1032.5 | 1024.5 | 1027.2 | 1029.8 | 1019.2 | 1016.5 | 1008.5 | 987.2 | 963.1 |
| 47.5° | 944.5 | 955.1 | 944.5 | 939.1 | 939.1 | 939.1 | 925.8 | 917.8 | 907.1 | 877.8 | 848.4 |
| 50° | 856.4 | 867.1 | 859.1 | 853.8 | 848.4 | 848.4 | 837.8 | 827.1 | 811.1 | 781.7 | 749.7 |
| 52.5° | 765.7 | 773.7 | 765.7 | 760.4 | 755.0 | 755.0 | 741.7 | 733.7 | 715.0 | 685.7 | 651.0 |
| 55° | 661.7 | 667.0 | 659.0 | 653.7 | 651.0 | 651.0 | 640.3 | 632.3 | 616.3 | 592.3 | 560.3 |
| 57.5° | 522.9 | 533.6 | 520.3 | 525.6 | 525.6 | 522.9 | 514.9 | 512.3 | 506.9 | 485.6 | 461.6 |
| 60° | 373.5 | 373.5 | 370.9 | 381.5 | 378.9 | 384.2 | 378.9 | 381.5 | 384.2 | 368.2 | 352.2 |
| 62.5° | 245.5 | 253.5 | 248.1 | 253.5 | 258.8 | 258.8 | 256.1 | 261.5 | 266.8 | 258.8 | 250.8 |
| 65° | 165.4 | 165.4 | 165.4 | 168.1 | 168.1 | 170.8 | 168.1 | 170.8 | 173.4 | 170.8 | 165.4 |
| 67.5° | 109.4 | 112.1 | 109.4 | 112.1 | 109.4 | 112.1 | 112.1 | 112.1 | 114.7 | 112.1 | 109.4 |
| 70° | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 74.7 | 72.0 | 69.4 |
| 72.5° | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| 75° | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 77.5° | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| 80° | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 10.7 | 13.3 | 10.7 | 10.7 |
| 82.5° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 85° | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 2.7 | 5.3 | 2.7 | 2.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 |
| 2.5° | 1985.0 | 1977.0 | 2017.0 | 1982.3 | 2001.0 | 1998.3 | 2001.0 | 2017.0 | 2017.0 | 2025.0 | 2022.3 |
| 5° | 1974.3 | 1966.3 | 2011.7 | 1985.0 | 2006.3 | 2006.3 | 2014.3 | 2038.4 | 2038.4 | 2054.4 | 2057.0 |
| 7.5° | 1958.3 | 1961.0 | 2009.0 | 1993.0 | 2017.0 | 2019.7 | 2033.0 | 2062.4 | 2070.4 | 2091.7 | 2102.4 |
| 10° | 1939.6 | 1950.3 | 2001.0 | 1995.7 | 2027.7 | 2030.4 | 2057.0 | 2091.7 | 2102.4 | 2131.7 | 2150.4 |
| 12.5° | 1931.6 | 1950.3 | 2009.0 | 2014.3 | 2046.4 | 2059.7 | 2089.0 | 2134.4 | 2153.1 | 2187.8 | 2214.4 |
| 15° | 1929.0 | 1955.6 | 2019.7 | 2038.4 | 2075.7 | 2094.4 | 2134.4 | 2187.8 | 2209.1 | 2254.5 | 2286.5 |
| 17.5° | 1915.6 | 1950.3 | 2019.7 | 2049.0 | 2089.0 | 2107.7 | 2158.4 | 2219.8 | 2246.5 | 2297.2 | 2334.5 |
| 20° | 1891.6 | 1929.0 | 1998.3 | 2035.7 | 2078.4 | 2105.1 | 2155.7 | 2219.8 | 2246.5 | 2299.8 | 2342.5 |
| 22.5° | 1859.6 | 1897.0 | 1963.7 | 2006.3 | 2043.7 | 2073.0 | 2126.4 | 2187.8 | 2211.8 | 2262.5 | 2305.2 |
| 25° | 1819.6 | 1856.9 | 1913.0 | 1955.6 | 1990.3 | 2017.0 | 2062.4 | 2126.4 | 2142.4 | 2190.4 | 2235.8 |
| 27.5° | 1763.6 | 1798.2 | 1840.9 | 1880.9 | 1913.0 | 1934.3 | 1974.3 | 2030.4 | 2043.7 | 2091.7 | 2129.1 |
| 30° | 1688.8 | 1710.2 | 1747.5 | 1774.2 | 1798.2 | 1819.6 | 1848.9 | 1899.6 | 1905.0 | 1947.6 | 1982.3 |
| 32.5° | 1587.5 | 1598.1 | 1624.8 | 1638.2 | 1659.5 | 1667.5 | 1691.5 | 1734.2 | 1728.9 | 1768.9 | 1798.2 |
| 35° | 1464.7 | 1470.1 | 1470.1 | 1486.1 | 1491.4 | 1494.1 | 1512.8 | 1536.8 | 1528.8 | 1563.5 | 1584.8 |
| 37.5° | 1331.3 | 1328.7 | 1312.7 | 1312.7 | 1315.3 | 1307.3 | 1315.3 | 1326.0 | 1315.3 | 1342.0 | 1360.7 |
| 40° | 1195.3 | 1179.3 | 1149.9 | 1133.9 | 1125.9 | 1123.2 | 1107.2 | 1120.6 | 1093.9 | 1112.6 | 1125.9 |
| 42.5° | 1064.5 | 1037.9 | 992.5 | 960.5 | 947.1 | 933.8 | 907.1 | 907.1 | 872.4 | 885.8 | 888.4 |
| 45° | 931.1 | 885.8 | 824.4 | 795.1 | 760.4 | 739.0 | 704.4 | 669.7 | 645.7 | 653.7 | 645.7 |
| 47.5° | 808.4 | 755.0 | 683.0 | 632.3 | 592.3 | 562.9 | 514.9 | 474.9 | 450.9 | 440.2 | 429.5 |
| 50° | 701.7 | 648.3 | 565.6 | 501.6 | 461.6 | 426.9 | 378.9 | 333.5 | 304.2 | 288.1 | 280.1 |
| 52.5° | 605.6 | 549.6 | 469.6 | 402.9 | 360.2 | 328.2 | 274.8 | 229.4 | 197.4 | 178.8 | 168.1 |
| 55° | 514.9 | 464.2 | 389.5 | 328.2 | 288.1 | 256.1 | 202.8 | 160.1 | 130.7 | 112.1 | 98.7 |
| 57.5° | 424.2 | 378.9 | 317.5 | 258.8 | 224.1 | 194.8 | 149.4 | 112.1 | 88.0 | 72.0 | 61.4 |
| 60° | 325.5 | 290.8 | 240.1 | 194.8 | 165.4 | 141.4 | 106.7 | 77.4 | 61.4 | 48.0 | 42.7 |
| 62.5° | 229.4 | 208.1 | 170.8 | 138.7 | 120.1 | 101.4 | 74.7 | 56.0 | 42.7 | 34.7 | 32.0 |
| 65° | 154.7 | 138.7 | 117.4 | 93.4 | 80.0 | 69.4 | 53.4 | 40.0 | 32.0 | 26.7 | 24.0 |
| 67.5° | 101.4 | 93.4 | 77.4 | 64.0 | 56.0 | 48.0 | 37.4 | 29.3 | 24.0 | 21.3 | 18.7 |
| 70° | 66.7 | 61.4 | 50.7 | 42.7 | 40.0 | 34.7 | 26.7 | 21.3 | 18.7 | 16.0 | 16.0 |
| 72.5° | 42.7 | 37.4 | 34.7 | 29.3 | 26.7 | 24.0 | 18.7 | 16.0 | 13.3 | 13.3 | 13.3 |
| 75° | 26.7 | 24.0 | 21.3 | 18.7 | 18.7 | 16.0 | 13.3 | 13.3 | 10.7 | 10.7 | 10.7 |
| 77.5° | 16.0 | 16.0 | 13.3 | 13.3 | 10.7 | 10.7 | 10.7 | 8.0 | 8.0 | 8.0 | 8.0 |
| 80° | 10.7 | 10.7 | 8.0 | 8.0 | 8.0 | 8.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 82.5° | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 85° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P212745

CATALOG NUMBER: LD4B40D010 EU4B30508030 4LBSWLI1

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 |
| 2.5° | 2035.7 | 2041.0 | 2035.7 | 2051.7 | 2025.0 | 2054.4 | 2043.7 | 2049.0 | 2070.4 | 2062.4 | 2070.4 |
| 5° | 2075.7 | 2086.4 | 2086.4 | 2105.1 | 2081.0 | 2115.7 | 2105.1 | 2115.7 | 2137.1 | 2137.1 | 2147.7 |
| 7.5° | 2126.4 | 2139.7 | 2145.1 | 2163.8 | 2139.7 | 2182.4 | 2171.8 | 2185.1 | 2211.8 | 2211.8 | 2219.8 |
| 10° | 2179.8 | 2195.8 | 2206.4 | 2227.8 | 2201.1 | 2249.1 | 2238.5 | 2257.1 | 2281.1 | 2283.8 | 2297.2 |
| 12.5° | 2246.5 | 2267.8 | 2281.1 | 2299.8 | 2281.1 | 2329.2 | 2318.5 | 2337.2 | 2369.2 | 2371.9 | 2387.9 |
| 15° | 2321.2 | 2347.8 | 2363.9 | 2385.2 | 2363.9 | 2417.2 | 2406.5 | 2427.9 | 2451.9 | 2462.6 | 2478.6 |
| 17.5° | 2369.2 | 2401.2 | 2414.5 | 2438.6 | 2417.2 | 2470.6 | 2457.2 | 2486.6 | 2507.9 | 2513.3 | 2531.9 |
| 20° | 2377.2 | 2406.5 | 2425.2 | 2443.9 | 2425.2 | 2478.6 | 2465.2 | 2489.2 | 2515.9 | 2521.3 | 2534.6 |
| 22.5° | 2342.5 | 2366.5 | 2387.9 | 2403.9 | 2387.9 | 2441.2 | 2422.5 | 2449.2 | 2473.2 | 2478.6 | 2489.2 |
| 25° | 2262.5 | 2291.8 | 2313.2 | 2326.5 | 2310.5 | 2361.2 | 2345.2 | 2369.2 | 2390.5 | 2401.2 | 2403.9 |
| 27.5° | 2150.4 | 2177.1 | 2198.4 | 2206.4 | 2195.8 | 2243.8 | 2222.4 | 2251.8 | 2270.5 | 2275.8 | 2283.8 |
| 30° | 1998.3 | 2022.3 | 2043.7 | 2049.0 | 2041.0 | 2075.7 | 2065.0 | 2091.7 | 2110.4 | 2115.7 | 2121.1 |
| 32.5° | 1811.6 | 1835.6 | 1848.9 | 1854.3 | 1846.3 | 1880.9 | 1870.3 | 1891.6 | 1913.0 | 1913.0 | 1913.0 |
| 35° | 1600.8 | 1622.1 | 1630.2 | 1646.2 | 1627.5 | 1662.2 | 1651.5 | 1670.2 | 1688.8 | 1688.8 | 1691.5 |
| 37.5° | 1374.0 | 1390.0 | 1395.4 | 1411.4 | 1392.7 | 1424.7 | 1416.7 | 1432.7 | 1448.7 | 1446.1 | 1451.4 |
| 40° | 1131.2 | 1147.2 | 1152.6 | 1165.9 | 1149.9 | 1176.6 | 1171.3 | 1187.3 | 1200.6 | 1200.6 | 1200.6 |
| 42.5° | 896.4 | 907.1 | 907.1 | 920.5 | 904.5 | 928.5 | 928.5 | 939.1 | 952.5 | 949.8 | 949.8 |
| 45° | 651.0 | 648.3 | 653.7 | 651.0 | 651.0 | 672.3 | 672.3 | 677.7 | 688.3 | 683.0 | 685.7 |
| 47.5° | 432.2 | 434.9 | 424.2 | 432.2 | 421.5 | 440.2 | 440.2 | 440.2 | 448.2 | 442.9 | 448.2 |
| 50° | 274.8 | 266.8 | 261.5 | 261.5 | 258.8 | 272.1 | 266.8 | 269.5 | 274.8 | 269.5 | 274.8 |
| 52.5° | 154.7 | 152.1 | 146.7 | 149.4 | 144.1 | 146.7 | 146.7 | 146.7 | 149.4 | 146.7 | 152.1 |
| 55° | 90.7 | 82.7 | 80.0 | 80.0 | 77.4 | 80.0 | 77.4 | 77.4 | 77.4 | 74.7 | 77.4 |
| 57.5° | 53.4 | 50.7 | 48.0 | 48.0 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| 60° | 37.4 | 34.7 | 34.7 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 |
| 62.5° | 29.3 | 26.7 | 26.7 | 26.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 26.7 | 24.0 |
| 65° | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 18.7 | 21.3 | 21.3 | 21.3 | 21.3 |
| 67.5° | 18.7 | 18.7 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 70° | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 |
| 72.5° | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 75° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 77.5° | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 80° | 5.3 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 82.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 85° | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P212745

CATALOG NUMBER: LD4B40D010 EU4B30508030 4LBSWLI1

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° | 185° | 190° | 195° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 |
| 2.5° | 2078.4 | 2067.7 | 2043.7 | 2059.7 | 2062.4 | 2051.7 | 2065.0 | 2081.0 | 2065.0 | 2051.7 | 2062.4 |
| 5° | 2155.7 | 2147.7 | 2126.4 | 2139.7 | 2142.4 | 2139.7 | 2147.7 | 2161.1 | 2147.7 | 2139.7 | 2142.4 |
| 7.5° | 2233.1 | 2227.8 | 2203.8 | 2219.8 | 2225.1 | 2219.8 | 2227.8 | 2241.1 | 2227.8 | 2219.8 | 2225.1 |
| 10° | 2307.8 | 2305.2 | 2281.1 | 2302.5 | 2305.2 | 2299.8 | 2307.8 | 2329.2 | 2307.8 | 2299.8 | 2305.2 |
| 12.5° | 2393.2 | 2398.5 | 2371.9 | 2395.9 | 2398.5 | 2393.2 | 2403.9 | 2419.9 | 2403.9 | 2393.2 | 2398.5 |
| 15° | 2491.9 | 2489.2 | 2467.9 | 2486.6 | 2491.9 | 2486.6 | 2499.9 | 2521.3 | 2499.9 | 2486.6 | 2491.9 |
| 17.5° | 2539.9 | 2539.9 | 2523.9 | 2542.6 | 2545.3 | 2545.3 | 2555.9 | 2572.0 | 2555.9 | 2545.3 | 2545.3 |
| 20° | 2542.6 | 2545.3 | 2526.6 | 2547.9 | 2547.9 | 2547.9 | 2558.6 | 2566.6 | 2558.6 | 2547.9 | 2547.9 |
| 22.5° | 2499.9 | 2502.6 | 2483.9 | 2502.6 | 2502.6 | 2505.3 | 2510.6 | 2515.9 | 2510.6 | 2505.3 | 2502.6 |
| 25° | 2417.2 | 2419.9 | 2403.9 | 2419.9 | 2417.2 | 2417.2 | 2422.5 | 2430.6 | 2422.5 | 2417.2 | 2417.2 |
| 27.5° | 2294.5 | 2297.2 | 2275.8 | 2294.5 | 2291.8 | 2289.1 | 2297.2 | 2299.8 | 2297.2 | 2289.1 | 2291.8 |
| 30° | 2131.7 | 2134.4 | 2115.7 | 2131.7 | 2129.1 | 2126.4 | 2137.1 | 2139.7 | 2137.1 | 2126.4 | 2129.1 |
| 32.5° | 1937.0 | 1931.6 | 1918.3 | 1931.6 | 1929.0 | 1929.0 | 1934.3 | 1942.3 | 1934.3 | 1929.0 | 1929.0 |
| 35° | 1702.2 | 1702.2 | 1694.2 | 1704.9 | 1696.9 | 1707.5 | 1707.5 | 1710.2 | 1707.5 | 1707.5 | 1696.9 |
| 37.5° | 1462.1 | 1462.1 | 1456.7 | 1462.1 | 1459.4 | 1470.1 | 1470.1 | 1478.1 | 1470.1 | 1470.1 | 1459.4 |
| 40° | 1211.3 | 1211.3 | 1205.9 | 1211.3 | 1219.3 | 1219.3 | 1216.6 | 1227.3 | 1216.6 | 1219.3 | 1219.3 |
| 42.5° | 957.8 | 957.8 | 955.1 | 968.5 | 968.5 | 968.5 | 960.5 | 971.2 | 960.5 | 968.5 | 968.5 |
| 45° | 696.3 | 691.0 | 688.3 | 688.3 | 691.0 | 701.7 | 691.0 | 704.4 | 691.0 | 701.7 | 691.0 |
| 47.5° | 442.9 | 445.6 | 448.2 | 456.2 | 450.9 | 448.2 | 448.2 | 456.2 | 448.2 | 448.2 | 450.9 |
| 50° | 272.1 | 274.8 | 274.8 | 280.1 | 272.1 | 277.5 | 274.8 | 280.1 | 274.8 | 277.5 | 272.1 |
| 52.5° | 149.4 | 149.4 | 149.4 | 154.7 | 149.4 | 152.1 | 149.4 | 154.7 | 149.4 | 152.1 | 149.4 |
| 55° | 77.4 | 77.4 | 77.4 | 80.0 | 77.4 | 77.4 | 77.4 | 80.0 | 77.4 | 77.4 | 77.4 |
| 57.5° | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| 60° | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 |
| 62.5° | 26.7 | 24.0 | 24.0 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 |
| 65° | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 |
| 67.5° | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 70° | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 |
| 72.5° | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 75° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 77.5° | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 80° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 82.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P212745

CATALOG NUMBER: LD4B40D010 EU4B30508030 4LBSWLI1

CANDELA DISTRIBUTION (continued):

| | 200° | 202.5° | 205° | 210° | 215° | 220° | 225° | 230° | 235° | 240° | 245° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 |
| 2.5° | 2059.7 | 2043.7 | 2067.7 | 2078.4 | 2070.4 | 2062.4 | 2070.4 | 2049.0 | 2043.7 | 2054.4 | 2025.0 |
| 5° | 2139.7 | 2126.4 | 2147.7 | 2155.7 | 2147.7 | 2137.1 | 2137.1 | 2115.7 | 2105.1 | 2115.7 | 2081.0 |
| 7.5° | 2219.8 | 2203.8 | 2227.8 | 2233.1 | 2219.8 | 2211.8 | 2211.8 | 2185.1 | 2171.8 | 2182.4 | 2139.7 |
| 10° | 2302.5 | 2281.1 | 2305.2 | 2307.8 | 2297.2 | 2283.8 | 2281.1 | 2257.1 | 2238.5 | 2249.1 | 2201.1 |
| 12.5° | 2395.9 | 2371.9 | 2398.5 | 2393.2 | 2387.9 | 2371.9 | 2369.2 | 2337.2 | 2318.5 | 2329.2 | 2281.1 |
| 15° | 2486.6 | 2467.9 | 2489.2 | 2491.9 | 2478.6 | 2462.6 | 2451.9 | 2427.9 | 2406.5 | 2417.2 | 2363.9 |
| 17.5° | 2542.6 | 2523.9 | 2539.9 | 2539.9 | 2531.9 | 2513.3 | 2507.9 | 2486.6 | 2457.2 | 2470.6 | 2417.2 |
| 20° | 2547.9 | 2526.6 | 2545.3 | 2542.6 | 2534.6 | 2521.3 | 2515.9 | 2489.2 | 2465.2 | 2478.6 | 2425.2 |
| 22.5° | 2502.6 | 2483.9 | 2502.6 | 2499.9 | 2489.2 | 2478.6 | 2473.2 | 2449.2 | 2422.5 | 2441.2 | 2387.9 |
| 25° | 2419.9 | 2403.9 | 2419.9 | 2417.2 | 2403.9 | 2401.2 | 2390.5 | 2369.2 | 2345.2 | 2361.2 | 2310.5 |
| 27.5° | 2294.5 | 2275.8 | 2297.2 | 2294.5 | 2283.8 | 2275.8 | 2270.5 | 2251.8 | 2222.4 | 2243.8 | 2195.8 |
| 30° | 2131.7 | 2115.7 | 2134.4 | 2131.7 | 2121.1 | 2115.7 | 2110.4 | 2091.7 | 2065.0 | 2075.7 | 2041.0 |
| 32.5° | 1931.6 | 1918.3 | 1931.6 | 1937.0 | 1913.0 | 1913.0 | 1913.0 | 1891.6 | 1870.3 | 1880.9 | 1846.3 |
| 35° | 1704.9 | 1694.2 | 1702.2 | 1702.2 | 1691.5 | 1688.8 | 1688.8 | 1670.2 | 1651.5 | 1662.2 | 1627.5 |
| 37.5° | 1462.1 | 1456.7 | 1462.1 | 1462.1 | 1451.4 | 1446.1 | 1448.7 | 1432.7 | 1416.7 | 1424.7 | 1392.7 |
| 40° | 1211.3 | 1205.9 | 1211.3 | 1211.3 | 1200.6 | 1200.6 | 1200.6 | 1187.3 | 1171.3 | 1176.6 | 1149.9 |
| 42.5° | 968.5 | 955.1 | 957.8 | 957.8 | 949.8 | 949.8 | 952.5 | 939.1 | 928.5 | 928.5 | 904.5 |
| 45° | 688.3 | 688.3 | 691.0 | 696.3 | 685.7 | 683.0 | 688.3 | 677.7 | 672.3 | 672.3 | 651.0 |
| 47.5° | 456.2 | 448.2 | 445.6 | 442.9 | 448.2 | 442.9 | 448.2 | 440.2 | 440.2 | 440.2 | 421.5 |
| 50° | 280.1 | 274.8 | 274.8 | 272.1 | 274.8 | 269.5 | 274.8 | 269.5 | 266.8 | 272.1 | 258.8 |
| 52.5° | 154.7 | 149.4 | 149.4 | 149.4 | 152.1 | 146.7 | 149.4 | 146.7 | 146.7 | 146.7 | 144.1 |
| 55° | 80.0 | 77.4 | 77.4 | 77.4 | 77.4 | 74.7 | 77.4 | 77.4 | 77.4 | 80.0 | 77.4 |
| 57.5° | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| 60° | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 |
| 62.5° | 26.7 | 24.0 | 24.0 | 26.7 | 24.0 | 26.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| 65° | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 18.7 | 21.3 | 21.3 |
| 67.5° | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 70° | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 |
| 72.5° | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 75° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 77.5° | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 80° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 82.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P212745

CATALOG NUMBER: LD4B40D010 EU4B30508030 4LBSWLI1

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 255° | 260° | 265° | 270° | 275° | 280° | 285° | 290° | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 |
| 2.5° | 2051.7 | 2035.7 | 2041.0 | 2035.7 | 2022.3 | 2025.0 | 2017.0 | 2017.0 | 2001.0 | 1998.3 | 2001.0 |
| 5° | 2105.1 | 2086.4 | 2086.4 | 2075.7 | 2057.0 | 2054.4 | 2038.4 | 2038.4 | 2014.3 | 2006.3 | 2006.3 |
| 7.5° | 2163.8 | 2145.1 | 2139.7 | 2126.4 | 2102.4 | 2091.7 | 2070.4 | 2062.4 | 2033.0 | 2019.7 | 2017.0 |
| 10° | 2227.8 | 2206.4 | 2195.8 | 2179.8 | 2150.4 | 2131.7 | 2102.4 | 2091.7 | 2057.0 | 2030.4 | 2027.7 |
| 12.5° | 2299.8 | 2281.1 | 2267.8 | 2246.5 | 2214.4 | 2187.8 | 2153.1 | 2134.4 | 2089.0 | 2059.7 | 2046.4 |
| 15° | 2385.2 | 2363.9 | 2347.8 | 2321.2 | 2286.5 | 2254.5 | 2209.1 | 2187.8 | 2134.4 | 2094.4 | 2075.7 |
| 17.5° | 2438.6 | 2414.5 | 2401.2 | 2369.2 | 2334.5 | 2297.2 | 2246.5 | 2219.8 | 2158.4 | 2107.7 | 2089.0 |
| 20° | 2443.9 | 2425.2 | 2406.5 | 2377.2 | 2342.5 | 2299.8 | 2246.5 | 2219.8 | 2155.7 | 2105.1 | 2078.4 |
| 22.5° | 2403.9 | 2387.9 | 2366.5 | 2342.5 | 2305.2 | 2262.5 | 2211.8 | 2187.8 | 2126.4 | 2073.0 | 2043.7 |
| 25° | 2326.5 | 2313.2 | 2291.8 | 2262.5 | 2235.8 | 2190.4 | 2142.4 | 2126.4 | 2062.4 | 2017.0 | 1990.3 |
| 27.5° | 2206.4 | 2198.4 | 2177.1 | 2150.4 | 2129.1 | 2091.7 | 2043.7 | 2030.4 | 1974.3 | 1934.3 | 1913.0 |
| 30° | 2049.0 | 2043.7 | 2022.3 | 1998.3 | 1982.3 | 1947.6 | 1905.0 | 1899.6 | 1848.9 | 1819.6 | 1798.2 |
| 32.5° | 1854.3 | 1848.9 | 1835.6 | 1811.6 | 1798.2 | 1768.9 | 1728.9 | 1734.2 | 1691.5 | 1667.5 | 1659.5 |
| 35° | 1646.2 | 1630.2 | 1622.1 | 1600.8 | 1584.8 | 1563.5 | 1528.8 | 1536.8 | 1512.8 | 1494.1 | 1491.4 |
| 37.5° | 1411.4 | 1395.4 | 1390.0 | 1374.0 | 1360.7 | 1342.0 | 1315.3 | 1326.0 | 1315.3 | 1307.3 | 1315.3 |
| 40° | 1165.9 | 1152.6 | 1147.2 | 1131.2 | 1125.9 | 1112.6 | 1093.9 | 1120.6 | 1107.2 | 1123.2 | 1125.9 |
| 42.5° | 920.5 | 907.1 | 907.1 | 896.4 | 888.4 | 885.8 | 872.4 | 907.1 | 907.1 | 933.8 | 947.1 |
| 45° | 651.0 | 653.7 | 648.3 | 651.0 | 645.7 | 653.7 | 645.7 | 669.7 | 704.4 | 739.0 | 760.4 |
| 47.5° | 432.2 | 424.2 | 434.9 | 432.2 | 429.5 | 440.2 | 450.9 | 474.9 | 514.9 | 562.9 | 592.3 |
| 50° | 261.5 | 261.5 | 266.8 | 274.8 | 280.1 | 288.1 | 304.2 | 333.5 | 378.9 | 426.9 | 461.6 |
| 52.5° | 149.4 | 146.7 | 152.1 | 154.7 | 168.1 | 178.8 | 197.4 | 229.4 | 274.8 | 328.2 | 360.2 |
| 55° | 80.0 | 80.0 | 82.7 | 90.7 | 98.7 | 112.1 | 130.7 | 160.1 | 202.8 | 256.1 | 288.1 |
| 57.5° | 48.0 | 48.0 | 50.7 | 53.4 | 61.4 | 72.0 | 88.0 | 112.1 | 149.4 | 194.8 | 224.1 |
| 60° | 32.0 | 34.7 | 34.7 | 37.4 | 42.7 | 48.0 | 61.4 | 77.4 | 106.7 | 141.4 | 165.4 |
| 62.5° | 26.7 | 26.7 | 26.7 | 29.3 | 32.0 | 34.7 | 42.7 | 56.0 | 74.7 | 101.4 | 120.1 |
| 65° | 21.3 | 21.3 | 21.3 | 21.3 | 24.0 | 26.7 | 32.0 | 40.0 | 53.4 | 69.4 | 80.0 |
| 67.5° | 16.0 | 16.0 | 18.7 | 18.7 | 18.7 | 21.3 | 24.0 | 29.3 | 37.4 | 48.0 | 56.0 |
| 70° | 13.3 | 13.3 | 13.3 | 13.3 | 16.0 | 16.0 | 18.7 | 21.3 | 26.7 | 34.7 | 40.0 |
| 72.5° | 10.7 | 10.7 | 10.7 | 10.7 | 13.3 | 13.3 | 13.3 | 16.0 | 18.7 | 24.0 | 26.7 |
| 75° | 8.0 | 8.0 | 8.0 | 8.0 | 10.7 | 10.7 | 10.7 | 13.3 | 13.3 | 16.0 | 18.7 |
| 77.5° | 5.3 | 5.3 | 5.3 | 5.3 | 8.0 | 8.0 | 8.0 | 8.0 | 10.7 | 10.7 | 10.7 |
| 80° | 2.7 | 2.7 | 2.7 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 8.0 | 8.0 |
| 82.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.3 | 5.3 |
| 85° | 0.0 | 0.0 | 2.7 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P212745

CATALOG NUMBER: LD4B40D010 EU4B30508030 4LBSWLI1

CANDELA DISTRIBUTION (continued):

| | 295° | 300° | 305° | 310° | 315° | 320° | 325° | 330° | 335° | 337.5° | 340° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 | 2019.7 |
| 2.5° | 1982.3 | 2017.0 | 1977.0 | 1985.0 | 1971.7 | 1995.7 | 1963.7 | 1971.7 | 1977.0 | 1971.7 | 1974.3 |
| 5° | 1985.0 | 2011.7 | 1966.3 | 1974.3 | 1953.0 | 1969.0 | 1939.6 | 1942.3 | 1942.3 | 1937.0 | 1934.3 |
| 7.5° | 1993.0 | 2009.0 | 1961.0 | 1958.3 | 1931.6 | 1947.6 | 1913.0 | 1907.6 | 1905.0 | 1897.0 | 1899.6 |
| 10° | 1995.7 | 2001.0 | 1950.3 | 1939.6 | 1907.6 | 1913.0 | 1878.3 | 1867.6 | 1859.6 | 1854.3 | 1851.6 |
| 12.5° | 2014.3 | 2009.0 | 1950.3 | 1931.6 | 1891.6 | 1888.9 | 1851.6 | 1835.6 | 1822.2 | 1816.9 | 1814.2 |
| 15° | 2038.4 | 2019.7 | 1955.6 | 1929.0 | 1883.6 | 1872.9 | 1832.9 | 1816.9 | 1798.2 | 1792.9 | 1787.6 |
| 17.5° | 2049.0 | 2019.7 | 1950.3 | 1915.6 | 1864.9 | 1851.6 | 1811.6 | 1790.2 | 1771.6 | 1763.6 | 1758.2 |
| 20° | 2035.7 | 1998.3 | 1929.0 | 1891.6 | 1838.3 | 1819.6 | 1779.6 | 1755.5 | 1736.9 | 1728.9 | 1723.5 |
| 22.5° | 2006.3 | 1963.7 | 1897.0 | 1859.6 | 1806.2 | 1782.2 | 1747.5 | 1726.2 | 1704.9 | 1702.2 | 1694.2 |
| 25° | 1955.6 | 1913.0 | 1856.9 | 1819.6 | 1771.6 | 1747.5 | 1715.5 | 1696.9 | 1675.5 | 1672.8 | 1670.2 |
| 27.5° | 1880.9 | 1840.9 | 1798.2 | 1763.6 | 1720.9 | 1702.2 | 1678.2 | 1659.5 | 1640.8 | 1640.8 | 1635.5 |
| 30° | 1774.2 | 1747.5 | 1710.2 | 1688.8 | 1654.2 | 1635.5 | 1619.5 | 1606.1 | 1587.5 | 1590.1 | 1584.8 |
| 32.5° | 1638.2 | 1624.8 | 1598.1 | 1587.5 | 1560.8 | 1555.4 | 1539.4 | 1528.8 | 1512.8 | 1518.1 | 1512.8 |
| 35° | 1486.1 | 1470.1 | 1470.1 | 1464.7 | 1451.4 | 1448.7 | 1440.7 | 1435.4 | 1424.7 | 1427.4 | 1427.4 |
| 37.5° | 1312.7 | 1312.7 | 1328.7 | 1331.3 | 1328.7 | 1334.0 | 1331.3 | 1331.3 | 1320.7 | 1326.0 | 1323.3 |
| 40° | 1133.9 | 1149.9 | 1179.3 | 1195.3 | 1200.6 | 1211.3 | 1224.6 | 1219.3 | 1213.9 | 1221.9 | 1219.3 |
| 42.5° | 960.5 | 992.5 | 1037.9 | 1064.5 | 1083.2 | 1099.2 | 1117.9 | 1117.9 | 1115.2 | 1125.9 | 1123.2 |
| 45° | 795.1 | 824.4 | 885.8 | 931.1 | 963.1 | 987.2 | 1008.5 | 1016.5 | 1019.2 | 1029.8 | 1027.2 |
| 47.5° | 632.3 | 683.0 | 755.0 | 808.4 | 848.4 | 877.8 | 907.1 | 917.8 | 925.8 | 939.1 | 939.1 |
| 50° | 501.6 | 565.6 | 648.3 | 701.7 | 749.7 | 781.7 | 811.1 | 827.1 | 837.8 | 848.4 | 848.4 |
| 52.5° | 402.9 | 469.6 | 549.6 | 605.6 | 651.0 | 685.7 | 715.0 | 733.7 | 741.7 | 755.0 | 755.0 |
| 55° | 328.2 | 389.5 | 464.2 | 514.9 | 560.3 | 592.3 | 616.3 | 632.3 | 640.3 | 651.0 | 651.0 |
| 57.5° | 258.8 | 317.5 | 378.9 | 424.2 | 461.6 | 485.6 | 506.9 | 512.3 | 514.9 | 522.9 | 525.6 |
| 60° | 194.8 | 240.1 | 290.8 | 325.5 | 352.2 | 368.2 | 384.2 | 381.5 | 378.9 | 384.2 | 378.9 |
| 62.5° | 138.7 | 170.8 | 208.1 | 229.4 | 250.8 | 258.8 | 266.8 | 261.5 | 256.1 | 258.8 | 258.8 |
| 65° | 93.4 | 117.4 | 138.7 | 154.7 | 165.4 | 170.8 | 173.4 | 170.8 | 168.1 | 170.8 | 168.1 |
| 67.5° | 64.0 | 77.4 | 93.4 | 101.4 | 109.4 | 112.1 | 114.7 | 112.1 | 112.1 | 112.1 | 109.4 |
| 70° | 42.7 | 50.7 | 61.4 | 66.7 | 69.4 | 72.0 | 74.7 | 72.0 | 72.0 | 72.0 | 72.0 |
| 72.5° | 29.3 | 34.7 | 37.4 | 42.7 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| 75° | 18.7 | 21.3 | 24.0 | 26.7 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 77.5° | 13.3 | 13.3 | 16.0 | 16.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| 80° | 8.0 | 8.0 | 10.7 | 10.7 | 10.7 | 10.7 | 13.3 | 10.7 | 13.3 | 13.3 | 13.3 |
| 82.5° | 5.3 | 5.3 | 5.3 | 5.3 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 85° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.3 | 2.7 | 5.3 | 5.3 | 5.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P212745

CATALOG NUMBER: LD4B40D010 EU4B30508030 4LBSWLI1

CANDELA DISTRIBUTION (continued):

| | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|
| 0° | 2019.7 | 2019.7 | 2019.7 | 2019.7 |
| 2.5° | 1974.3 | 1969.0 | 1953.0 | 1971.7 |
| 5° | 1931.6 | 1926.3 | 1913.0 | 1926.3 |
| 7.5° | 1888.9 | 1880.9 | 1870.3 | 1878.3 |
| 10° | 1838.3 | 1832.9 | 1819.6 | 1827.6 |
| 12.5° | 1800.9 | 1790.2 | 1782.2 | 1784.9 |
| 15° | 1776.9 | 1766.2 | 1758.2 | 1760.9 |
| 17.5° | 1744.9 | 1734.2 | 1726.2 | 1726.2 |
| 20° | 1710.2 | 1699.5 | 1694.2 | 1691.5 |
| 22.5° | 1680.8 | 1672.8 | 1670.2 | 1662.2 |
| 25° | 1654.2 | 1648.8 | 1648.8 | 1638.2 |
| 27.5° | 1624.8 | 1616.8 | 1616.8 | 1606.1 |
| 30° | 1574.1 | 1571.5 | 1571.5 | 1563.5 |
| 32.5° | 1507.4 | 1499.4 | 1504.8 | 1491.4 |
| 35° | 1416.7 | 1411.4 | 1419.4 | 1408.7 |
| 37.5° | 1318.0 | 1315.3 | 1320.7 | 1312.7 |
| 40° | 1213.9 | 1213.9 | 1221.9 | 1208.6 |
| 42.5° | 1123.2 | 1123.2 | 1131.2 | 1117.9 |
| 45° | 1024.5 | 1032.5 | 1040.5 | 1029.8 |
| 47.5° | 939.1 | 944.5 | 955.1 | 944.5 |
| 50° | 853.8 | 859.1 | 867.1 | 856.4 |
| 52.5° | 760.4 | 765.7 | 773.7 | 765.7 |
| 55° | 653.7 | 659.0 | 667.0 | 661.7 |
| 57.5° | 525.6 | 520.3 | 533.6 | 522.9 |
| 60° | 381.5 | 370.9 | 373.5 | 373.5 |
| 62.5° | 253.5 | 248.1 | 253.5 | 245.5 |
| 65° | 168.1 | 165.4 | 165.4 | 165.4 |
| 67.5° | 112.1 | 109.4 | 112.1 | 109.4 |
| 70° | 72.0 | 72.0 | 72.0 | 72.0 |
| 72.5° | 45.4 | 45.4 | 45.4 | 45.4 |
| 75° | 29.3 | 29.3 | 29.3 | 29.3 |
| 77.5° | 18.7 | 18.7 | 18.7 | 18.7 |
| 80° | 13.3 | 13.3 | 13.3 | 13.3 |
| 82.5° | 8.0 | 8.0 | 8.0 | 8.0 |
| 85° | 5.3 | 5.3 | 5.3 | 5.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)