

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: P879444

Luminaire Tested: **LD4C50D010 EU4509040 4LBDWWH**

Issue Date: 10/1/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P879444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/1/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C50D010 EU4509040 4LBLDWWH
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBLDWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

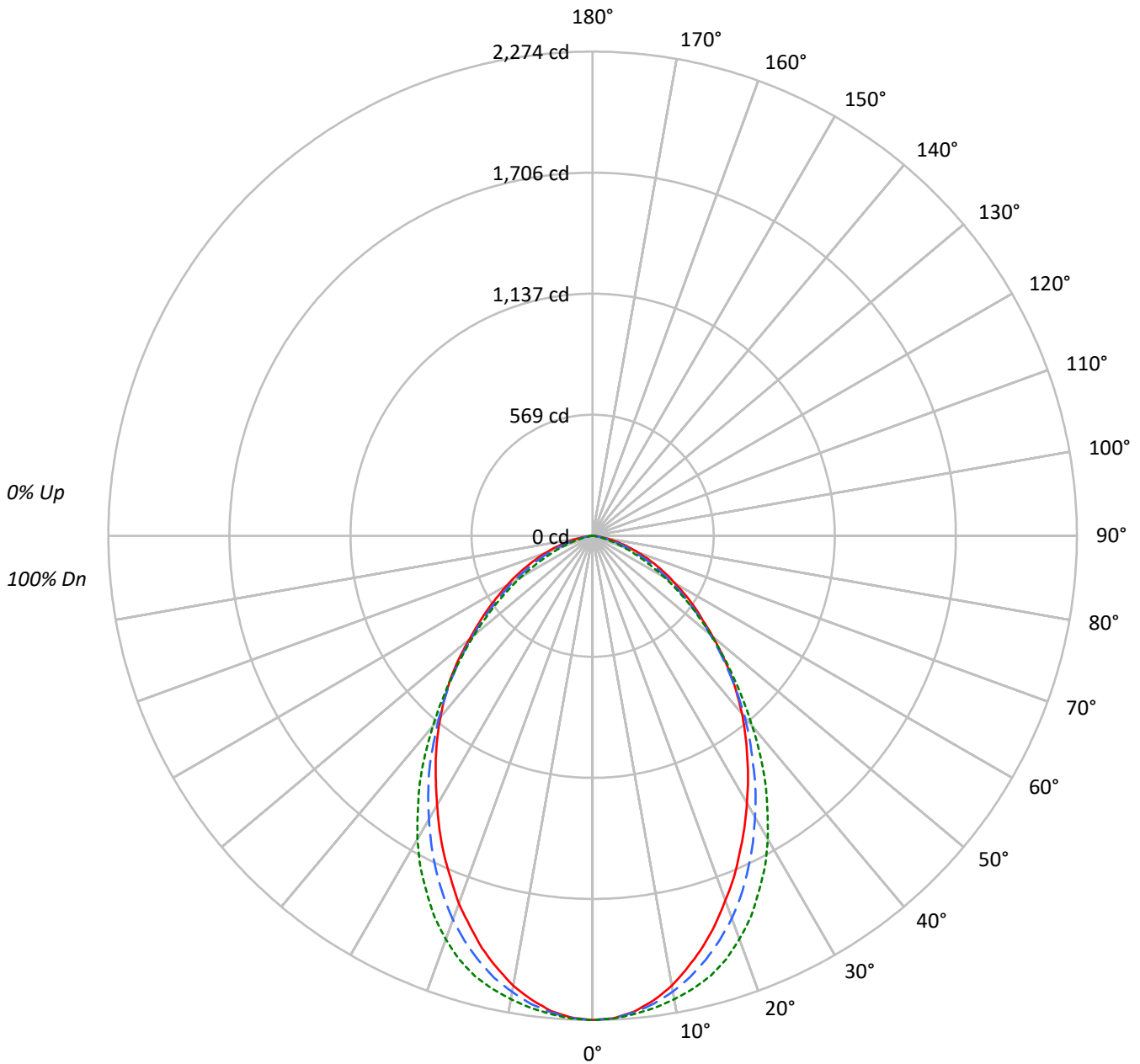
Lumens per Lamp: N/A
Luminaire Lumens: 4068.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 1.1 / 1.12
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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: P879444

CATALOG NUMBER: LD4C50D010 EU4509040 4LBLDWWH

Luminous Intensity Polar Plot





TEST NUMBER: P879444

CATALOG NUMBER: LD4C50D010 EU4509040 4LBLDWWH

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 | 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 | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | | | | | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 80 | 84 | 81 | 79 | 77 | | | | | | | | |
| 3 | 95 | 86 | 79 | 73 | 92 | 84 | 78 | 73 | 81 | 76 | 71 | 79 | 74 | 70 | 76 | 72 | 69 | 67 | | | | | | | | |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 63 | 74 | 68 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 59 | | | | | | | | |
| 5 | 81 | 70 | 62 | 56 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | | | | | | | | |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 56 | 50 | 61 | 55 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | | | | | | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 | | | | | | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 40 | 50 | 44 | 40 | 38 | | | | | | | | |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | | | | |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 279406 | 279406 | 279406 |
| 5° | 276564 | 278105 | 276255 |
| 10° | 267573 | 275695 | 267673 |
| 15° | 254209 | 272168 | 255061 |
| 20° | 238270 | 263607 | 240231 |
| 25° | 221915 | 250097 | 223948 |
| 30° | 205568 | 233301 | 207114 |
| 35° | 189645 | 212082 | 192540 |
| 40° | 174936 | 186868 | 178159 |
| 45° | 158469 | 161944 | 163247 |
| 50° | 140478 | 138719 | 143994 |
| 55° | 125236 | 116818 | 128085 |
| 60° | 109585 | 94818 | 113689 |
| 65° | 95901 | 73314 | 99302 |
| 70° | 80712 | 53700 | 84915 |
| 75° | 63036 | 34888 | 66596 |
| 80° | 41388 | 18324 | 45491 |
| 85° | 14096 | 8176 | 18888 |



TEST NUMBER: P879444

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 212.3 | 5.2 |
| 10°-20° | 580.1 | 14.3 |
| 20°-30° | 797.8 | 19.6 |
| 30°-40° | 832.3 | 20.5 |
| 40°-50° | 712.1 | 17.5 |
| 50°-60° | 509.3 | 12.5 |
| 60°-70° | 295.6 | 7.3 |
| 70°-80° | 113.9 | 2.8 |
| 80°-90° | 14.5 | 0.4 |
| 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° | 1590.2 | 39.1 |
| 0°-40° | 2422.6 | 59.6 |
| 0°-60° | 3644.0 | 89.6 |
| 0°-90° | 4068.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4068.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2274 | 2274 | 2274 | 2274 | 2274 | |
| 5° | 2243 | 2247 | 2255 | 2247 | 2240 | 211 |
| 15° | 1999 | 2059 | 2140 | 2066 | 2005 | 560 |
| 25° | 1637 | 1727 | 1845 | 1738 | 1652 | 753 |
| 35° | 1264 | 1315 | 1414 | 1336 | 1284 | 792 |
| 45° | 912 | 905 | 932 | 927 | 940 | 703 |
| 55° | 585 | 555 | 545 | 570 | 598 | 523 |
| 65° | 330 | 292 | 252 | 302 | 342 | 329 |
| 75° | 133 | 99 | 74 | 105 | 140 | 143 |
| 85° | 10 | 8 | 6 | 8 | 13 | 19 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P879444

CATALOG NUMBER: LD4C50D010 EU4509040 4LBLDWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 |
| 2.5° | 2268.5 | 2266.8 | 2267.7 | 2267.7 | 2267.7 | 2266.8 | 2268.5 | 2268.5 | 2267.7 | 2267.7 | 2267.7 |
| 5° | 2242.6 | 2240.9 | 2241.8 | 2242.6 | 2242.6 | 2242.6 | 2243.4 | 2244.3 | 2245.1 | 2245.9 | 2246.8 |
| 7.5° | 2200.8 | 2198.3 | 2200.8 | 2204.2 | 2204.2 | 2205.0 | 2205.9 | 2206.7 | 2209.2 | 2213.4 | 2215.9 |
| 10° | 2144.9 | 2144.9 | 2145.7 | 2148.2 | 2152.4 | 2151.6 | 2154.1 | 2158.2 | 2163.3 | 2169.1 | 2173.3 |
| 12.5° | 2073.9 | 2075.6 | 2078.1 | 2080.6 | 2084.7 | 2087.3 | 2091.4 | 2096.4 | 2104.8 | 2113.1 | 2122.3 |
| 15° | 1998.7 | 1999.6 | 2000.4 | 2006.2 | 2010.4 | 2016.3 | 2019.6 | 2029.6 | 2037.1 | 2048.8 | 2058.9 |
| 17.5° | 1914.4 | 1913.5 | 1916.0 | 1921.0 | 1931.1 | 1933.6 | 1937.7 | 1948.6 | 1959.5 | 1975.3 | 1988.7 |
| 20° | 1822.5 | 1827.5 | 1830.8 | 1837.5 | 1843.4 | 1850.0 | 1853.4 | 1866.8 | 1879.3 | 1894.3 | 1911.9 |
| 22.5° | 1735.6 | 1731.4 | 1737.3 | 1744.8 | 1749.8 | 1754.8 | 1760.7 | 1774.9 | 1788.2 | 1806.6 | 1824.2 |
| 25° | 1637.1 | 1639.6 | 1643.7 | 1649.6 | 1656.3 | 1663.0 | 1669.6 | 1684.7 | 1692.2 | 1711.4 | 1727.3 |
| 27.5° | 1543.5 | 1547.7 | 1549.4 | 1556.9 | 1562.7 | 1567.7 | 1571.1 | 1588.6 | 1595.3 | 1612.0 | 1627.9 |
| 30° | 1449.1 | 1453.3 | 1453.3 | 1461.7 | 1465.8 | 1470.9 | 1479.2 | 1490.9 | 1500.9 | 1512.6 | 1524.3 |
| 32.5° | 1358.1 | 1358.1 | 1361.4 | 1369.0 | 1373.1 | 1379.0 | 1381.5 | 1389.8 | 1399.9 | 1411.5 | 1424.1 |
| 35° | 1264.5 | 1267.1 | 1270.4 | 1270.4 | 1277.9 | 1281.3 | 1284.6 | 1292.9 | 1299.6 | 1304.6 | 1314.7 |
| 37.5° | 1178.5 | 1178.5 | 1176.0 | 1180.2 | 1185.2 | 1184.4 | 1189.4 | 1193.6 | 1197.7 | 1203.6 | 1211.9 |
| 40° | 1090.8 | 1090.8 | 1087.5 | 1090.0 | 1093.3 | 1092.5 | 1090.8 | 1095.0 | 1098.3 | 1102.5 | 1110.9 |
| 42.5° | 1001.4 | 999.8 | 998.9 | 998.9 | 1000.6 | 998.9 | 1000.6 | 1001.4 | 1001.4 | 1001.4 | 1006.5 |
| 45° | 912.1 | 916.3 | 911.2 | 909.6 | 907.1 | 904.6 | 903.7 | 904.6 | 907.9 | 903.7 | 904.6 |
| 47.5° | 824.4 | 826.0 | 822.7 | 820.2 | 817.7 | 816.0 | 817.7 | 812.7 | 814.4 | 815.2 | 811.8 |
| 50° | 735.0 | 731.7 | 731.7 | 729.2 | 730.0 | 729.2 | 727.5 | 725.8 | 725.8 | 721.6 | 719.1 |
| 52.5° | 652.3 | 654.0 | 655.7 | 649.8 | 650.6 | 646.5 | 647.3 | 643.1 | 643.1 | 638.1 | 639.8 |
| 55° | 584.7 | 582.2 | 582.2 | 579.7 | 578.8 | 574.6 | 573.8 | 571.3 | 565.5 | 562.1 | 555.4 |
| 57.5° | 514.5 | 513.7 | 510.3 | 511.2 | 506.2 | 505.3 | 503.6 | 499.5 | 495.3 | 491.1 | 483.6 |
| 60° | 446.0 | 446.9 | 446.9 | 445.2 | 442.7 | 438.5 | 439.3 | 433.5 | 427.6 | 420.1 | 413.4 |
| 62.5° | 389.2 | 386.7 | 385.9 | 384.2 | 379.2 | 379.2 | 375.0 | 370.8 | 365.0 | 357.5 | 351.6 |
| 65° | 329.9 | 330.8 | 328.2 | 325.7 | 320.7 | 319.9 | 316.6 | 313.2 | 307.4 | 299.8 | 291.5 |
| 67.5° | 276.5 | 274.8 | 274.0 | 271.5 | 266.4 | 265.6 | 263.1 | 255.6 | 250.6 | 243.1 | 236.4 |
| 70° | 224.7 | 223.0 | 223.8 | 219.7 | 214.7 | 212.1 | 211.3 | 205.5 | 198.0 | 192.1 | 185.4 |
| 72.5° | 176.2 | 176.2 | 175.4 | 171.2 | 168.7 | 167.0 | 163.7 | 157.0 | 152.8 | 146.2 | 141.2 |
| 75° | 132.8 | 132.0 | 130.3 | 127.8 | 124.5 | 122.8 | 121.1 | 116.9 | 111.1 | 103.6 | 99.4 |
| 77.5° | 91.9 | 92.7 | 91.0 | 90.2 | 86.0 | 83.5 | 82.7 | 80.2 | 75.2 | 70.2 | 66.0 |
| 80° | 58.5 | 57.6 | 56.8 | 55.1 | 54.3 | 53.5 | 50.9 | 49.3 | 44.3 | 41.8 | 39.3 |
| 82.5° | 31.7 | 30.1 | 30.1 | 29.2 | 27.6 | 26.7 | 25.9 | 24.2 | 23.4 | 21.7 | 20.0 |
| 85° | 10.0 | 10.9 | 10.0 | 10.0 | 10.0 | 9.2 | 9.2 | 9.2 | 8.4 | 8.4 | 7.5 |
| 87.5° | 0.8 | 1.7 | 0.8 | 0.8 | 1.7 | 0.8 | 0.8 | 1.7 | 0.8 | 0.8 | 1.7 |
| 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: P879444

CATALOG NUMBER: LD4C50D010 EU4509040 4LBLDWWH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 |
| 2.5° | 2267.7 | 2268.5 | 2268.5 | 2269.3 | 2269.3 | 2269.3 | 2269.3 | 2269.3 | 2269.3 | 2269.3 | 2269.3 |
| 5° | 2249.3 | 2249.3 | 2251.0 | 2252.6 | 2252.6 | 2252.6 | 2253.5 | 2255.1 | 2255.1 | 2255.1 | 2254.3 |
| 7.5° | 2219.2 | 2222.6 | 2225.9 | 2229.2 | 2230.1 | 2230.9 | 2232.6 | 2235.9 | 2235.9 | 2235.9 | 2235.9 |
| 10° | 2180.0 | 2187.5 | 2191.7 | 2196.7 | 2199.2 | 2200.8 | 2205.9 | 2206.7 | 2209.2 | 2210.0 | 2209.2 |
| 12.5° | 2129.9 | 2139.9 | 2149.1 | 2157.4 | 2160.8 | 2164.1 | 2169.1 | 2174.1 | 2176.6 | 2179.1 | 2178.3 |
| 15° | 2073.9 | 2084.7 | 2098.9 | 2108.1 | 2114.8 | 2119.8 | 2127.3 | 2134.0 | 2138.2 | 2139.9 | 2139.9 |
| 17.5° | 2006.2 | 2019.6 | 2034.6 | 2049.7 | 2053.8 | 2062.2 | 2070.5 | 2079.7 | 2084.7 | 2085.6 | 2084.7 |
| 20° | 1931.1 | 1946.1 | 1958.6 | 1973.7 | 1982.8 | 1987.0 | 1998.7 | 2010.4 | 2015.4 | 2016.3 | 2015.4 |
| 22.5° | 1841.7 | 1855.9 | 1872.6 | 1888.5 | 1896.0 | 1903.5 | 1916.0 | 1927.7 | 1934.4 | 1939.4 | 1934.4 |
| 25° | 1742.3 | 1762.3 | 1778.2 | 1791.6 | 1802.4 | 1810.0 | 1825.8 | 1835.0 | 1845.9 | 1845.0 | 1845.9 |
| 27.5° | 1644.6 | 1661.3 | 1678.8 | 1694.7 | 1701.4 | 1709.7 | 1722.3 | 1737.3 | 1746.5 | 1752.3 | 1751.5 |
| 30° | 1544.4 | 1557.7 | 1572.7 | 1586.9 | 1597.8 | 1604.5 | 1622.9 | 1629.5 | 1641.2 | 1644.6 | 1642.1 |
| 32.5° | 1438.3 | 1447.5 | 1462.5 | 1481.7 | 1485.9 | 1492.6 | 1504.3 | 1521.0 | 1525.1 | 1526.8 | 1527.6 |
| 35° | 1325.5 | 1343.1 | 1355.6 | 1367.3 | 1370.6 | 1376.5 | 1389.8 | 1402.4 | 1406.5 | 1414.1 | 1410.7 |
| 37.5° | 1221.1 | 1231.1 | 1237.0 | 1248.7 | 1258.7 | 1263.7 | 1270.4 | 1278.7 | 1287.1 | 1290.4 | 1289.6 |
| 40° | 1116.7 | 1121.7 | 1126.7 | 1139.3 | 1140.1 | 1140.1 | 1150.1 | 1161.8 | 1161.8 | 1165.2 | 1165.2 |
| 42.5° | 1009.8 | 1010.6 | 1017.3 | 1024.0 | 1025.7 | 1027.3 | 1037.4 | 1039.0 | 1044.0 | 1046.6 | 1049.9 |
| 45° | 906.2 | 911.2 | 915.4 | 916.3 | 920.4 | 921.3 | 923.8 | 926.3 | 933.8 | 932.1 | 933.8 |
| 47.5° | 811.8 | 814.4 | 816.9 | 816.9 | 819.4 | 818.5 | 822.7 | 820.2 | 825.2 | 826.9 | 829.4 |
| 50° | 719.1 | 723.3 | 720.8 | 722.5 | 721.6 | 724.1 | 722.5 | 722.5 | 722.5 | 725.8 | 728.3 |
| 52.5° | 633.9 | 634.8 | 632.3 | 633.1 | 633.1 | 631.4 | 633.1 | 632.3 | 631.4 | 631.4 | 632.3 |
| 55° | 555.4 | 552.1 | 550.4 | 547.1 | 542.9 | 547.9 | 545.4 | 543.7 | 547.1 | 545.4 | 547.1 |
| 57.5° | 479.4 | 475.2 | 471.9 | 470.2 | 464.4 | 467.7 | 464.4 | 462.7 | 462.7 | 462.7 | 466.9 |
| 60° | 407.6 | 403.4 | 399.2 | 394.2 | 393.4 | 391.7 | 390.1 | 385.9 | 386.7 | 385.9 | 387.5 |
| 62.5° | 345.0 | 336.6 | 330.8 | 326.6 | 325.7 | 323.2 | 320.7 | 316.6 | 317.4 | 317.4 | 318.2 |
| 65° | 287.3 | 278.1 | 269.8 | 263.9 | 263.9 | 259.8 | 255.6 | 255.6 | 250.6 | 252.2 | 253.1 |
| 67.5° | 229.7 | 222.2 | 213.8 | 209.6 | 207.1 | 203.8 | 201.3 | 199.6 | 197.1 | 197.1 | 198.8 |
| 70° | 177.9 | 170.4 | 166.2 | 159.5 | 158.7 | 156.2 | 152.8 | 150.3 | 149.5 | 149.5 | 148.7 |
| 72.5° | 134.5 | 127.8 | 122.8 | 118.6 | 116.1 | 113.6 | 110.3 | 109.4 | 107.7 | 107.7 | 109.4 |
| 75° | 93.5 | 89.4 | 85.2 | 81.0 | 79.3 | 78.5 | 76.0 | 74.3 | 74.3 | 73.5 | 74.3 |
| 77.5° | 62.6 | 58.5 | 54.3 | 52.6 | 50.9 | 49.3 | 48.4 | 47.6 | 45.1 | 45.1 | 45.1 |
| 80° | 35.9 | 34.2 | 32.6 | 30.1 | 30.1 | 29.2 | 27.6 | 26.7 | 25.9 | 25.9 | 25.9 |
| 82.5° | 18.4 | 17.5 | 15.9 | 15.0 | 15.0 | 15.0 | 14.2 | 14.2 | 13.4 | 13.4 | 13.4 |
| 85° | 7.5 | 6.7 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 6.7 | 5.8 | 6.7 |
| 87.5° | 0.8 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 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: P879444

CATALOG NUMBER: LD4C50D010 EU4509040 4LBLDWWH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 |
| 2.5° | 2269.3 | 2268.5 | 2268.5 | 2268.5 | 2268.5 | 2268.5 | 2267.7 | 2267.7 | 2266.8 | 2266.8 | 2266.8 |
| 5° | 2255.1 | 2254.3 | 2253.5 | 2252.6 | 2251.8 | 2251.0 | 2250.1 | 2249.3 | 2246.8 | 2245.9 | 2244.3 |
| 7.5° | 2235.1 | 2233.4 | 2230.9 | 2230.1 | 2228.4 | 2225.9 | 2222.6 | 2220.9 | 2217.6 | 2213.4 | 2211.7 |
| 10° | 2208.4 | 2205.0 | 2202.5 | 2198.3 | 2197.5 | 2194.2 | 2185.8 | 2181.6 | 2175.8 | 2170.8 | 2164.9 |
| 12.5° | 2175.8 | 2172.4 | 2166.6 | 2160.8 | 2157.4 | 2149.9 | 2142.4 | 2135.7 | 2128.2 | 2117.3 | 2109.0 |
| 15° | 2135.7 | 2130.7 | 2119.0 | 2117.3 | 2112.3 | 2100.6 | 2090.6 | 2078.1 | 2066.4 | 2054.7 | 2044.7 |
| 17.5° | 2082.2 | 2071.4 | 2065.5 | 2058.0 | 2052.2 | 2037.1 | 2026.3 | 2012.1 | 1996.2 | 1982.8 | 1968.7 |
| 20° | 2012.1 | 2000.4 | 1990.4 | 1986.2 | 1978.7 | 1965.3 | 1951.9 | 1934.4 | 1918.5 | 1901.8 | 1889.3 |
| 22.5° | 1928.6 | 1921.0 | 1906.0 | 1901.0 | 1891.8 | 1878.4 | 1862.6 | 1845.9 | 1830.8 | 1812.5 | 1795.8 |
| 25° | 1839.2 | 1828.3 | 1816.6 | 1806.6 | 1799.9 | 1787.4 | 1767.4 | 1754.8 | 1738.1 | 1718.1 | 1705.6 |
| 27.5° | 1744.0 | 1731.4 | 1714.7 | 1708.1 | 1702.2 | 1685.5 | 1668.8 | 1652.9 | 1639.6 | 1622.0 | 1611.2 |
| 30° | 1633.7 | 1624.5 | 1613.7 | 1605.3 | 1597.0 | 1583.6 | 1568.6 | 1550.2 | 1536.0 | 1527.6 | 1512.6 |
| 32.5° | 1521.8 | 1514.3 | 1500.1 | 1495.9 | 1486.7 | 1475.9 | 1465.0 | 1451.6 | 1436.6 | 1424.1 | 1412.4 |
| 35° | 1402.4 | 1394.8 | 1384.8 | 1377.3 | 1374.0 | 1366.4 | 1354.8 | 1343.1 | 1335.5 | 1321.3 | 1315.5 |
| 37.5° | 1282.9 | 1280.4 | 1270.4 | 1262.9 | 1260.4 | 1251.2 | 1245.3 | 1237.0 | 1226.1 | 1222.8 | 1216.1 |
| 40° | 1160.1 | 1158.5 | 1152.6 | 1151.8 | 1146.8 | 1144.3 | 1135.9 | 1129.2 | 1124.2 | 1121.7 | 1117.5 |
| 42.5° | 1047.4 | 1045.7 | 1040.7 | 1041.5 | 1036.5 | 1034.9 | 1034.0 | 1028.2 | 1024.0 | 1019.0 | 1019.8 |
| 45° | 936.3 | 934.6 | 931.3 | 929.6 | 932.1 | 931.3 | 929.6 | 927.1 | 927.1 | 927.9 | 925.4 |
| 47.5° | 829.4 | 831.1 | 827.7 | 829.4 | 829.4 | 826.9 | 826.9 | 830.2 | 831.1 | 832.7 | 834.4 |
| 50° | 728.3 | 733.3 | 731.7 | 734.2 | 735.0 | 735.8 | 733.3 | 737.5 | 736.7 | 744.2 | 742.5 |
| 52.5° | 636.4 | 637.3 | 640.6 | 641.5 | 642.3 | 643.1 | 647.3 | 650.6 | 651.5 | 654.8 | 660.7 |
| 55° | 547.9 | 548.7 | 555.4 | 555.4 | 559.6 | 560.4 | 566.3 | 568.0 | 570.5 | 579.7 | 581.3 |
| 57.5° | 464.4 | 469.4 | 472.7 | 474.4 | 476.9 | 481.1 | 484.4 | 492.0 | 496.1 | 502.0 | 507.8 |
| 60° | 389.2 | 395.1 | 399.2 | 400.9 | 404.3 | 409.3 | 413.4 | 421.8 | 429.3 | 436.0 | 440.2 |
| 62.5° | 319.9 | 324.9 | 328.2 | 334.1 | 334.1 | 338.3 | 348.3 | 353.3 | 361.7 | 367.5 | 375.0 |
| 65° | 258.1 | 261.4 | 267.3 | 267.3 | 270.6 | 277.3 | 285.7 | 293.2 | 301.5 | 309.9 | 317.4 |
| 67.5° | 202.1 | 204.6 | 208.0 | 211.3 | 213.0 | 221.3 | 228.0 | 238.9 | 246.4 | 252.2 | 261.4 |
| 70° | 152.8 | 154.5 | 158.7 | 162.0 | 164.5 | 170.4 | 177.9 | 185.4 | 192.9 | 199.6 | 208.8 |
| 72.5° | 109.4 | 112.8 | 116.9 | 119.4 | 121.1 | 125.3 | 132.8 | 140.3 | 147.0 | 153.7 | 158.7 |
| 75° | 75.2 | 77.7 | 79.3 | 81.9 | 84.4 | 87.7 | 92.7 | 97.7 | 105.2 | 111.9 | 117.8 |
| 77.5° | 46.8 | 49.3 | 51.8 | 52.6 | 53.5 | 56.8 | 60.1 | 65.1 | 70.2 | 75.2 | 79.3 |
| 80° | 27.6 | 28.4 | 29.2 | 30.1 | 31.7 | 34.2 | 35.9 | 39.3 | 42.6 | 45.9 | 50.1 |
| 82.5° | 14.2 | 15.0 | 15.9 | 15.9 | 15.9 | 16.7 | 19.2 | 20.9 | 21.7 | 23.4 | 25.9 |
| 85° | 5.8 | 5.8 | 5.8 | 6.7 | 6.7 | 7.5 | 7.5 | 8.4 | 8.4 | 9.2 | 10.0 |
| 87.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 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: P879444

CATALOG NUMBER: LD4C50D010 EU4509040 4LBLDWWH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 | 2274.3 |
| 2.5° | 2266.0 | 2266.0 | 2266.0 | 2265.2 | 2266.0 | 2266.0 | 2266.0 | 2265.2 |
| 5° | 2244.3 | 2242.6 | 2242.6 | 2241.8 | 2240.9 | 2240.9 | 2241.8 | 2240.1 |
| 7.5° | 2208.4 | 2205.9 | 2204.2 | 2204.2 | 2203.4 | 2202.5 | 2202.5 | 2198.3 |
| 10° | 2161.6 | 2156.6 | 2156.6 | 2154.9 | 2148.2 | 2147.4 | 2145.7 | 2145.7 |
| 12.5° | 2103.1 | 2097.3 | 2093.9 | 2089.8 | 2085.6 | 2082.2 | 2081.4 | 2078.1 |
| 15° | 2033.8 | 2026.3 | 2020.4 | 2018.8 | 2012.1 | 2007.1 | 2007.1 | 2005.4 |
| 17.5° | 1958.6 | 1946.9 | 1942.8 | 1938.6 | 1929.4 | 1928.6 | 1926.9 | 1919.4 |
| 20° | 1873.4 | 1862.6 | 1856.7 | 1852.6 | 1846.7 | 1838.4 | 1836.7 | 1837.5 |
| 22.5° | 1784.1 | 1769.0 | 1764.0 | 1759.8 | 1754.0 | 1746.5 | 1746.5 | 1740.6 |
| 25° | 1691.4 | 1678.0 | 1673.0 | 1668.0 | 1658.8 | 1655.4 | 1651.3 | 1652.1 |
| 27.5° | 1597.0 | 1584.4 | 1580.3 | 1571.1 | 1565.2 | 1561.1 | 1556.9 | 1556.9 |
| 30° | 1498.4 | 1491.7 | 1485.0 | 1484.2 | 1472.5 | 1467.5 | 1463.3 | 1460.0 |
| 32.5° | 1403.2 | 1394.8 | 1391.5 | 1388.2 | 1382.3 | 1375.6 | 1374.8 | 1369.0 |
| 35° | 1309.6 | 1301.3 | 1297.1 | 1293.8 | 1287.1 | 1284.6 | 1282.1 | 1283.8 |
| 37.5° | 1211.1 | 1209.4 | 1206.9 | 1202.7 | 1198.6 | 1197.7 | 1194.4 | 1198.6 |
| 40° | 1114.2 | 1113.4 | 1110.0 | 1110.9 | 1110.9 | 1109.2 | 1110.9 | 1110.9 |
| 42.5° | 1020.7 | 1020.7 | 1017.3 | 1019.0 | 1019.8 | 1021.5 | 1024.0 | 1025.7 |
| 45° | 929.6 | 928.8 | 929.6 | 931.3 | 929.6 | 933.8 | 937.1 | 939.6 |
| 47.5° | 836.1 | 836.9 | 840.2 | 841.1 | 842.8 | 848.6 | 848.6 | 848.6 |
| 50° | 746.7 | 750.9 | 749.2 | 754.2 | 753.4 | 756.7 | 753.4 | 753.4 |
| 52.5° | 661.5 | 665.7 | 666.5 | 667.4 | 672.4 | 673.2 | 673.2 | 672.4 |
| 55° | 585.5 | 591.3 | 588.8 | 593.0 | 595.5 | 597.2 | 599.7 | 598.0 |
| 57.5° | 515.3 | 517.8 | 520.4 | 521.2 | 524.5 | 526.2 | 527.9 | 526.2 |
| 60° | 446.0 | 451.0 | 455.2 | 456.0 | 457.7 | 459.4 | 460.2 | 462.7 |
| 62.5° | 380.9 | 389.2 | 390.9 | 391.7 | 395.9 | 398.4 | 400.1 | 401.7 |
| 65° | 323.2 | 329.1 | 333.3 | 335.8 | 339.1 | 339.1 | 341.6 | 341.6 |
| 67.5° | 267.3 | 273.1 | 275.6 | 277.3 | 282.3 | 283.1 | 287.3 | 287.3 |
| 70° | 216.3 | 220.5 | 222.2 | 224.7 | 229.7 | 233.0 | 234.7 | 236.4 |
| 72.5° | 167.0 | 172.1 | 174.6 | 177.9 | 181.2 | 183.8 | 184.6 | 187.1 |
| 75° | 121.9 | 129.5 | 130.3 | 133.6 | 136.1 | 139.5 | 141.2 | 140.3 |
| 77.5° | 85.2 | 87.7 | 91.0 | 92.7 | 95.2 | 97.7 | 100.2 | 100.2 |
| 80° | 52.6 | 56.0 | 56.8 | 57.6 | 61.0 | 62.6 | 64.3 | 64.3 |
| 82.5° | 27.6 | 29.2 | 30.9 | 31.7 | 33.4 | 33.4 | 34.2 | 35.1 |
| 85° | 10.9 | 11.7 | 11.7 | 11.7 | 12.5 | 13.4 | 13.4 | 13.4 |
| 87.5° | 1.7 | 2.5 | 1.7 | 1.7 | 2.5 | 2.5 | 2.5 | 2.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)