

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: P859217

Luminaire Tested: **LX4C60D010 EX4C609035 4LBLWWH**

Issue Date: 2/14/2022

Test Information

Test Method: LM-79-08
Report Number: P859217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C60D010 EX4C609035 4LBLWWH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

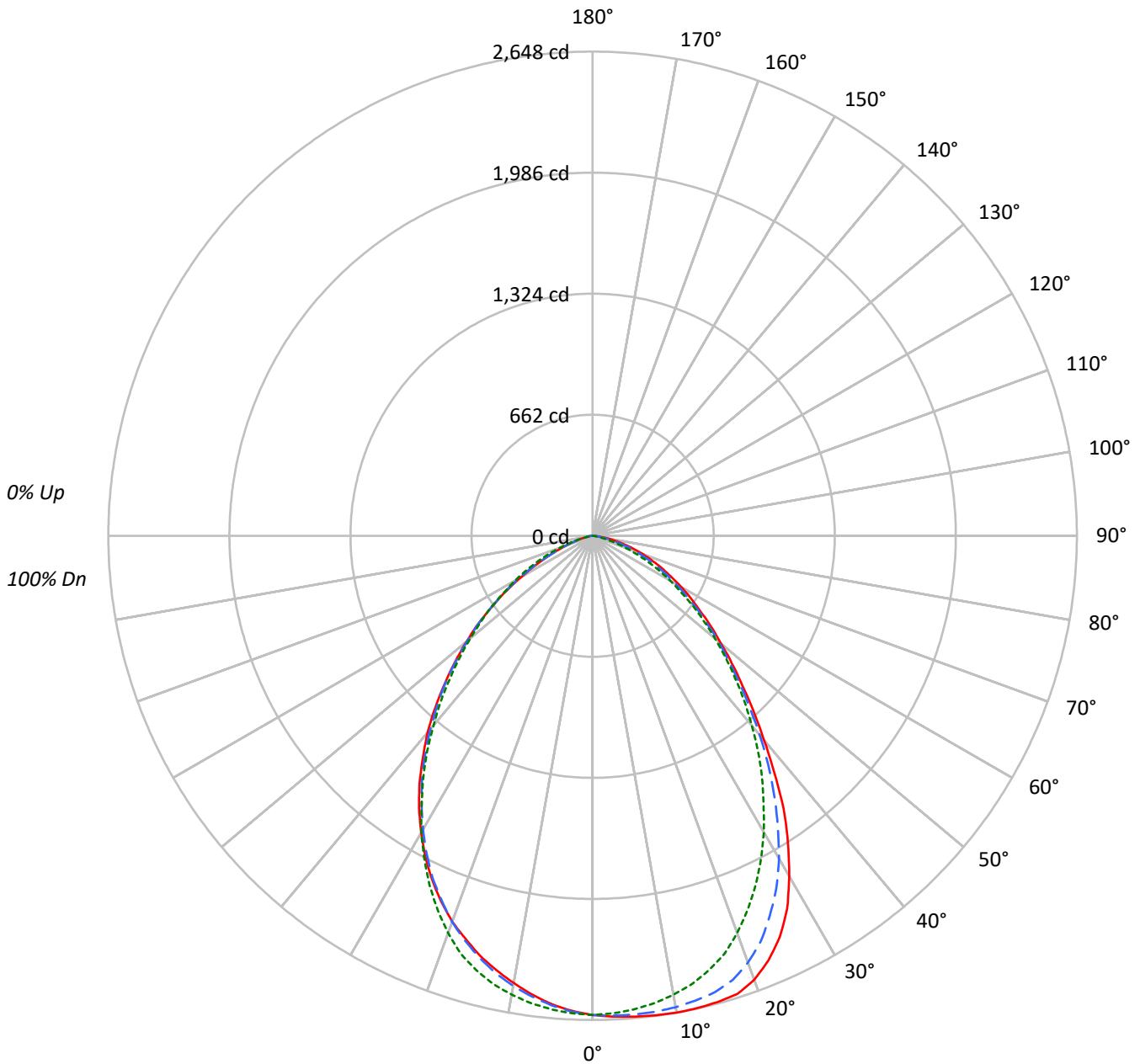
Lumens per Lamp: N/A
Luminaire Lumens: 4939.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
Input Voltage (V):
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: P859217

CATALOG NUMBER: LX4C60D010 EX4C609035 4LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P859217

CATALOG NUMBER: LX4C60D010 EX4C609035 4LBLWWH

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 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 90 | 88 | | | | | | | | |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | | | | | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 | | | | | | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 77 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 62 | 70 | 65 | 62 | 60 | | | | | | | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 69 | 62 | 57 | 67 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 53 | | | | | | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | | | | | | | | |
| 7 | 71 | 59 | 51 | 46 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | | | | | | |
| 8 | 67 | 54 | 47 | 41 | 65 | 54 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 40 | 39 | | | | | | | | |
| 9 | 62 | 50 | 43 | 38 | 61 | 50 | 42 | 37 | 49 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 35 | | | | | | | | |
| 10 | 59 | 47 | 39 | 34 | 58 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 321974 | 321974 | 321974 |
| 5° | 325560 | 320590 | 317112 |
| 10° | 330335 | 317885 | 309838 |
| 15° | 335762 | 312817 | 302426 |
| 20° | 337892 | 302175 | 293481 |
| 25° | 328203 | 285842 | 281464 |
| 30° | 304997 | 265673 | 265815 |
| 35° | 273017 | 242182 | 247326 |
| 40° | 233745 | 217098 | 225021 |
| 45° | 201227 | 191411 | 198603 |
| 50° | 174919 | 166643 | 171650 |
| 55° | 153937 | 143356 | 142071 |
| 60° | 136957 | 119635 | 110224 |
| 65° | 120145 | 95813 | 79709 |
| 70° | 103198 | 67709 | 53952 |
| 75° | 83732 | 39255 | 31566 |
| 80° | 59924 | 17121 | 15706 |
| 85° | 22694 | 7048 | 7048 |



TEST NUMBER: P859217

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 247.0 | 5.0 |
| 10°-20° | 699.2 | 14.2 |
| 20°-30° | 998.4 | 20.2 |
| 30°-40° | 1044.4 | 21.1 |
| 40°-50° | 875.1 | 17.7 |
| 50°-60° | 612.4 | 12.4 |
| 60°-70° | 333.5 | 6.8 |
| 70°-80° | 115.7 | 2.3 |
| 80°-90° | 13.3 | 0.3 |
| 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° | 1944.5 | 39.4 |
| 0°-40° | 2988.9 | 60.5 |
| 0°-60° | 4476.5 | 90.6 |
| 0°-90° | 4939.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4939.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2621 | 2621 | 2621 | 2621 | 2621 | |
| 5° | 2640 | 2628 | 2600 | 2577 | 2571 | 252 |
| 15° | 2640 | 2584 | 2460 | 2389 | 2378 | 745 |
| 25° | 2421 | 2292 | 2109 | 2067 | 2076 | 1106 |
| 35° | 1820 | 1731 | 1615 | 1627 | 1649 | 1129 |
| 45° | 1158 | 1132 | 1102 | 1138 | 1143 | 901 |
| 55° | 719 | 694 | 669 | 669 | 663 | 649 |
| 65° | 413 | 377 | 330 | 277 | 274 | 412 |
| 75° | 176 | 143 | 83 | 66 | 66 | 190 |
| 85° | 16 | 9 | 5 | 5 | 5 | 29 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P859217

CATALOG NUMBER: LX4C60D010 EX4C609035 4LBLWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 |
| 2.5° | 2632.8 | 2629.8 | 2630.8 | 2630.8 | 2630.8 | 2629.8 | 2630.8 | 2629.8 | 2629.8 | 2628.8 | 2626.8 |
| 5° | 2639.9 | 2637.9 | 2637.9 | 2637.9 | 2636.9 | 2635.9 | 2635.9 | 2634.9 | 2632.8 | 2631.8 | 2627.8 |
| 7.5° | 2644.9 | 2642.9 | 2642.9 | 2641.9 | 2640.9 | 2639.9 | 2638.9 | 2635.9 | 2632.8 | 2630.8 | 2625.8 |
| 10° | 2648.0 | 2644.9 | 2644.9 | 2642.9 | 2640.9 | 2639.9 | 2637.9 | 2633.9 | 2629.8 | 2624.8 | 2617.7 |
| 12.5° | 2646.0 | 2642.9 | 2641.9 | 2639.9 | 2635.9 | 2633.9 | 2631.8 | 2626.8 | 2619.7 | 2612.7 | 2603.6 |
| 15° | 2639.9 | 2637.9 | 2635.9 | 2632.8 | 2627.8 | 2624.8 | 2622.8 | 2614.7 | 2605.6 | 2595.6 | 2584.5 |
| 17.5° | 2627.8 | 2624.8 | 2620.8 | 2616.7 | 2609.7 | 2606.6 | 2601.6 | 2591.5 | 2578.4 | 2564.3 | 2547.2 |
| 20° | 2584.5 | 2582.5 | 2578.4 | 2571.4 | 2560.3 | 2556.2 | 2549.2 | 2536.1 | 2518.9 | 2501.8 | 2483.7 |
| 22.5° | 2512.9 | 2509.9 | 2503.8 | 2497.8 | 2487.7 | 2480.6 | 2474.6 | 2456.5 | 2437.3 | 2419.2 | 2402.0 |
| 25° | 2421.2 | 2418.1 | 2410.1 | 2402.0 | 2391.9 | 2379.8 | 2373.8 | 2359.7 | 2340.5 | 2317.4 | 2292.2 |
| 27.5° | 2303.2 | 2293.2 | 2290.1 | 2281.1 | 2265.9 | 2261.9 | 2252.8 | 2234.7 | 2216.6 | 2196.4 | 2175.2 |
| 30° | 2150.0 | 2150.0 | 2144.0 | 2139.9 | 2125.8 | 2121.8 | 2111.7 | 2092.6 | 2082.5 | 2054.3 | 2038.1 |
| 32.5° | 1987.7 | 1985.7 | 1980.7 | 1977.7 | 1969.6 | 1962.5 | 1952.5 | 1942.4 | 1920.2 | 1906.1 | 1883.9 |
| 35° | 1820.4 | 1808.3 | 1810.3 | 1804.3 | 1799.2 | 1791.2 | 1790.2 | 1779.1 | 1758.9 | 1750.9 | 1730.7 |
| 37.5° | 1629.9 | 1624.9 | 1631.9 | 1622.9 | 1617.8 | 1618.8 | 1610.8 | 1603.7 | 1595.6 | 1581.5 | 1577.5 |
| 40° | 1457.5 | 1461.6 | 1460.6 | 1452.5 | 1456.5 | 1451.5 | 1443.4 | 1436.4 | 1432.3 | 1423.3 | 1420.2 |
| 42.5° | 1303.3 | 1297.3 | 1295.3 | 1295.3 | 1296.3 | 1296.3 | 1292.2 | 1287.2 | 1287.2 | 1278.1 | 1269.0 |
| 45° | 1158.2 | 1158.2 | 1156.2 | 1162.2 | 1153.1 | 1153.1 | 1150.1 | 1149.1 | 1145.1 | 1143.1 | 1132.0 |
| 47.5° | 1033.2 | 1032.2 | 1031.2 | 1030.2 | 1029.1 | 1029.1 | 1023.1 | 1018.1 | 1017.1 | 1011.0 | 1005.0 |
| 50° | 915.2 | 921.3 | 919.3 | 914.2 | 912.2 | 913.2 | 909.2 | 906.2 | 905.2 | 895.1 | 896.1 |
| 52.5° | 816.5 | 815.5 | 817.5 | 814.4 | 809.4 | 810.4 | 806.4 | 802.4 | 798.3 | 793.3 | 789.3 |
| 55° | 718.7 | 723.7 | 721.7 | 718.7 | 717.7 | 715.7 | 712.6 | 707.6 | 706.6 | 695.5 | 694.5 |
| 57.5° | 637.0 | 636.0 | 634.0 | 629.0 | 628.0 | 624.9 | 624.9 | 620.9 | 614.9 | 608.8 | 603.8 |
| 60° | 557.4 | 557.4 | 554.4 | 553.4 | 549.4 | 548.3 | 547.3 | 543.3 | 536.2 | 531.2 | 523.1 |
| 62.5° | 480.8 | 482.8 | 480.8 | 477.8 | 474.8 | 470.7 | 468.7 | 465.7 | 459.6 | 454.6 | 447.5 |
| 65° | 413.3 | 412.3 | 411.3 | 407.2 | 406.2 | 402.2 | 401.2 | 395.1 | 389.1 | 385.0 | 377.0 |
| 67.5° | 348.8 | 345.7 | 345.7 | 343.7 | 341.7 | 338.7 | 336.7 | 330.6 | 323.6 | 319.5 | 311.5 |
| 70° | 287.3 | 285.3 | 285.3 | 285.3 | 280.2 | 277.2 | 276.2 | 273.2 | 263.1 | 259.1 | 251.0 |
| 72.5° | 230.8 | 229.8 | 228.8 | 225.8 | 222.8 | 222.8 | 218.7 | 212.7 | 207.6 | 202.6 | 196.6 |
| 75° | 176.4 | 178.4 | 176.4 | 172.4 | 171.4 | 169.3 | 166.3 | 161.3 | 156.2 | 150.2 | 143.1 |
| 77.5° | 129.0 | 127.0 | 125.0 | 125.0 | 123.0 | 118.9 | 117.9 | 113.9 | 107.9 | 103.8 | 96.8 |
| 80° | 84.7 | 83.7 | 81.6 | 79.6 | 78.6 | 77.6 | 76.6 | 72.6 | 66.5 | 63.5 | 57.5 |
| 82.5° | 46.4 | 45.4 | 45.4 | 44.4 | 41.3 | 41.3 | 40.3 | 36.3 | 33.3 | 31.2 | 28.2 |
| 85° | 16.1 | 16.1 | 16.1 | 15.1 | 15.1 | 15.1 | 14.1 | 13.1 | 12.1 | 11.1 | 9.1 |
| 87.5° | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 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: P859217

CATALOG NUMBER: LX4C60D010 EX4C609035 4LBLWWH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 |
| 2.5° | 2624.8 | 2622.8 | 2621.8 | 2620.8 | 2619.7 | 2618.7 | 2617.7 | 2615.7 | 2614.7 | 2613.7 | 2611.7 |
| 5° | 2624.8 | 2620.8 | 2618.7 | 2615.7 | 2613.7 | 2611.7 | 2608.7 | 2605.6 | 2602.6 | 2599.6 | 2596.6 |
| 7.5° | 2620.8 | 2614.7 | 2610.7 | 2604.6 | 2602.6 | 2599.6 | 2593.5 | 2589.5 | 2584.5 | 2578.4 | 2571.4 |
| 10° | 2610.7 | 2603.6 | 2595.6 | 2587.5 | 2584.5 | 2579.4 | 2571.4 | 2564.3 | 2556.2 | 2548.2 | 2541.1 |
| 12.5° | 2594.5 | 2583.5 | 2573.4 | 2562.3 | 2556.2 | 2551.2 | 2540.1 | 2530.0 | 2520.0 | 2510.9 | 2498.8 |
| 15° | 2570.4 | 2557.3 | 2544.1 | 2529.0 | 2522.0 | 2515.9 | 2499.8 | 2487.7 | 2471.6 | 2459.5 | 2447.4 |
| 17.5° | 2531.0 | 2510.9 | 2494.8 | 2475.6 | 2465.5 | 2458.5 | 2444.4 | 2425.2 | 2410.1 | 2397.0 | 2382.9 |
| 20° | 2463.5 | 2444.4 | 2422.2 | 2401.0 | 2389.9 | 2380.9 | 2360.7 | 2340.5 | 2325.4 | 2311.3 | 2296.2 |
| 22.5° | 2374.8 | 2350.6 | 2334.5 | 2308.3 | 2299.2 | 2288.1 | 2263.9 | 2245.8 | 2228.6 | 2214.5 | 2200.4 |
| 25° | 2267.0 | 2245.8 | 2223.6 | 2199.4 | 2188.3 | 2175.2 | 2155.1 | 2135.9 | 2124.8 | 2108.7 | 2091.6 |
| 27.5° | 2143.0 | 2125.8 | 2098.6 | 2077.5 | 2066.4 | 2056.3 | 2037.1 | 2020.0 | 2003.9 | 1992.8 | 1976.7 |
| 30° | 2011.9 | 1991.8 | 1967.6 | 1945.4 | 1939.4 | 1927.3 | 1910.1 | 1897.0 | 1879.9 | 1872.8 | 1865.8 |
| 32.5° | 1867.8 | 1844.6 | 1826.5 | 1812.4 | 1800.3 | 1790.2 | 1781.1 | 1759.9 | 1756.9 | 1738.8 | 1736.8 |
| 35° | 1710.5 | 1700.5 | 1683.3 | 1671.2 | 1661.2 | 1654.1 | 1639.0 | 1628.9 | 1617.8 | 1614.8 | 1607.7 |
| 37.5° | 1562.4 | 1550.3 | 1534.1 | 1523.1 | 1516.0 | 1515.0 | 1503.9 | 1497.9 | 1489.8 | 1485.8 | 1477.7 |
| 40° | 1407.1 | 1402.1 | 1388.0 | 1386.0 | 1374.9 | 1373.9 | 1367.8 | 1360.8 | 1353.7 | 1353.7 | 1354.7 |
| 42.5° | 1264.0 | 1258.0 | 1251.9 | 1244.9 | 1238.8 | 1238.8 | 1235.8 | 1233.8 | 1231.8 | 1228.7 | 1233.8 |
| 45° | 1129.9 | 1121.9 | 1117.9 | 1110.8 | 1113.8 | 1107.8 | 1105.8 | 1105.8 | 1102.7 | 1101.7 | 1108.8 |
| 47.5° | 1005.0 | 995.9 | 991.9 | 989.8 | 989.8 | 990.8 | 981.8 | 984.8 | 983.8 | 985.8 | 988.8 |
| 50° | 891.1 | 883.0 | 876.9 | 876.9 | 878.0 | 873.9 | 869.9 | 872.9 | 869.9 | 871.9 | 879.0 |
| 52.5° | 785.2 | 777.2 | 774.1 | 774.1 | 768.1 | 767.1 | 769.1 | 765.1 | 766.1 | 767.1 | 771.1 |
| 55° | 687.4 | 682.4 | 677.4 | 672.3 | 673.3 | 671.3 | 667.3 | 666.3 | 668.3 | 669.3 | 674.3 |
| 57.5° | 599.7 | 592.7 | 585.6 | 583.6 | 581.6 | 581.6 | 576.6 | 575.6 | 577.6 | 572.5 | 572.5 |
| 60° | 516.1 | 512.1 | 503.0 | 500.0 | 500.0 | 494.9 | 490.9 | 492.9 | 487.9 | 486.9 | 487.9 |
| 62.5° | 438.5 | 435.4 | 429.4 | 423.4 | 421.3 | 419.3 | 414.3 | 412.3 | 410.2 | 406.2 | 400.2 |
| 65° | 370.9 | 363.9 | 356.8 | 352.8 | 349.8 | 344.7 | 341.7 | 337.7 | 331.6 | 329.6 | 323.6 |
| 67.5° | 303.4 | 296.3 | 289.3 | 286.3 | 283.2 | 280.2 | 275.2 | 270.1 | 263.1 | 255.0 | 248.0 |
| 70° | 243.9 | 234.9 | 230.8 | 222.8 | 220.7 | 216.7 | 209.7 | 204.6 | 197.6 | 188.5 | 181.4 |
| 72.5° | 186.5 | 180.4 | 174.4 | 167.3 | 162.3 | 159.3 | 153.2 | 145.1 | 137.1 | 132.0 | 125.0 |
| 75° | 134.1 | 131.0 | 123.0 | 114.9 | 112.9 | 108.9 | 101.8 | 96.8 | 90.7 | 82.7 | 76.6 |
| 77.5° | 90.7 | 84.7 | 79.6 | 72.6 | 70.6 | 66.5 | 62.5 | 57.5 | 53.4 | 48.4 | 44.4 |
| 80° | 53.4 | 48.4 | 45.4 | 40.3 | 38.3 | 36.3 | 33.3 | 29.2 | 26.2 | 24.2 | 23.2 |
| 82.5° | 26.2 | 22.2 | 21.2 | 18.1 | 17.1 | 16.1 | 14.1 | 13.1 | 11.1 | 11.1 | 11.1 |
| 85° | 9.1 | 7.1 | 7.1 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 87.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 |
| 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: P859217

CATALOG NUMBER: LX4C60D010 EX4C609035 4LBLWWH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 |
| 2.5° | 2610.7 | 2609.7 | 2608.7 | 2607.7 | 2607.7 | 2606.6 | 2606.6 | 2605.6 | 2605.6 | 2604.6 | 2604.6 |
| 5° | 2592.5 | 2589.5 | 2587.5 | 2585.5 | 2585.5 | 2582.5 | 2580.4 | 2578.4 | 2577.4 | 2577.4 | 2575.4 |
| 7.5° | 2567.3 | 2563.3 | 2559.3 | 2556.2 | 2555.2 | 2550.2 | 2546.2 | 2546.2 | 2542.1 | 2540.1 | 2538.1 |
| 10° | 2534.1 | 2527.0 | 2521.0 | 2517.9 | 2513.9 | 2510.9 | 2505.8 | 2502.8 | 2499.8 | 2494.8 | 2493.7 |
| 12.5° | 2488.7 | 2483.7 | 2474.6 | 2470.6 | 2468.5 | 2462.5 | 2454.4 | 2450.4 | 2449.4 | 2445.4 | 2442.3 |
| 15° | 2437.3 | 2426.2 | 2418.1 | 2413.1 | 2413.1 | 2403.0 | 2399.0 | 2392.9 | 2388.9 | 2385.9 | 2384.9 |
| 17.5° | 2370.8 | 2359.7 | 2351.6 | 2344.6 | 2342.6 | 2334.5 | 2328.4 | 2326.4 | 2321.4 | 2323.4 | 2318.4 |
| 20° | 2285.1 | 2276.0 | 2270.0 | 2260.9 | 2260.9 | 2255.9 | 2253.8 | 2248.8 | 2246.8 | 2244.8 | 2246.8 |
| 22.5° | 2193.4 | 2182.3 | 2172.2 | 2171.2 | 2171.2 | 2164.1 | 2163.1 | 2162.1 | 2158.1 | 2161.1 | 2160.1 |
| 25° | 2085.5 | 2077.5 | 2071.4 | 2070.4 | 2070.4 | 2066.4 | 2062.3 | 2064.3 | 2067.4 | 2066.4 | 2069.4 |
| 27.5° | 1973.6 | 1965.6 | 1963.5 | 1962.5 | 1960.5 | 1959.5 | 1961.5 | 1961.5 | 1964.6 | 1968.6 | 1972.6 |
| 30° | 1852.7 | 1850.7 | 1847.6 | 1846.6 | 1844.6 | 1849.6 | 1851.7 | 1854.7 | 1853.7 | 1859.7 | 1863.8 |
| 32.5° | 1731.7 | 1727.7 | 1726.7 | 1728.7 | 1731.7 | 1730.7 | 1736.8 | 1738.8 | 1740.8 | 1747.8 | 1750.9 |
| 35° | 1609.7 | 1608.7 | 1606.7 | 1606.7 | 1607.7 | 1615.8 | 1615.8 | 1622.9 | 1626.9 | 1628.9 | 1637.0 |
| 37.5° | 1478.7 | 1482.7 | 1484.8 | 1487.8 | 1488.8 | 1491.8 | 1493.8 | 1500.9 | 1504.9 | 1508.9 | 1513.0 |
| 40° | 1358.8 | 1356.7 | 1365.8 | 1359.8 | 1361.8 | 1370.9 | 1374.9 | 1373.9 | 1379.9 | 1386.0 | 1390.0 |
| 42.5° | 1230.7 | 1233.8 | 1235.8 | 1237.8 | 1242.8 | 1243.9 | 1248.9 | 1255.9 | 1258.0 | 1265.0 | 1267.0 |
| 45° | 1106.8 | 1107.8 | 1111.8 | 1115.8 | 1118.9 | 1126.9 | 1128.9 | 1132.0 | 1138.0 | 1138.0 | 1141.0 |
| 47.5° | 989.8 | 993.9 | 993.9 | 999.9 | 1005.0 | 1004.0 | 1011.0 | 1013.0 | 1012.0 | 1017.1 | 1019.1 |
| 50° | 878.0 | 884.0 | 883.0 | 887.0 | 889.0 | 890.0 | 896.1 | 898.1 | 894.1 | 899.1 | 900.1 |
| 52.5° | 771.1 | 774.1 | 778.2 | 779.2 | 777.2 | 782.2 | 780.2 | 784.2 | 783.2 | 787.2 | 783.2 |
| 55° | 673.3 | 672.3 | 672.3 | 674.3 | 672.3 | 674.3 | 676.4 | 672.3 | 669.3 | 673.3 | 672.3 |
| 57.5° | 575.6 | 575.6 | 573.5 | 576.6 | 573.5 | 570.5 | 569.5 | 566.5 | 563.5 | 563.5 | 562.5 |
| 60° | 483.8 | 481.8 | 477.8 | 476.8 | 476.8 | 471.7 | 469.7 | 465.7 | 465.7 | 461.7 | 457.6 |
| 62.5° | 398.2 | 393.1 | 390.1 | 390.1 | 388.1 | 383.0 | 374.0 | 367.9 | 365.9 | 359.8 | 358.8 |
| 65° | 317.5 | 312.5 | 309.5 | 303.4 | 298.4 | 296.3 | 287.3 | 280.2 | 277.2 | 271.1 | 272.2 |
| 67.5° | 243.9 | 235.9 | 226.8 | 222.8 | 219.7 | 212.7 | 209.7 | 204.6 | 201.6 | 201.6 | 201.6 |
| 70° | 175.4 | 168.3 | 159.3 | 156.2 | 154.2 | 148.2 | 145.1 | 144.1 | 147.2 | 146.2 | 147.2 |
| 72.5° | 117.9 | 110.9 | 106.8 | 104.8 | 102.8 | 99.8 | 101.8 | 102.8 | 100.8 | 101.8 | 102.8 |
| 75° | 71.6 | 69.6 | 66.5 | 65.5 | 65.5 | 66.5 | 65.5 | 65.5 | 66.5 | 66.5 | 67.5 |
| 77.5° | 41.3 | 39.3 | 39.3 | 38.3 | 40.3 | 39.3 | 39.3 | 39.3 | 40.3 | 40.3 | 40.3 |
| 80° | 22.2 | 22.2 | 22.2 | 22.2 | 23.2 | 22.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 |
| 82.5° | 11.1 | 11.1 | 11.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 11.1 |
| 85° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 87.5° | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 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: P859217

CATALOG NUMBER: LX4C60D010 EX4C609035 4LBLWWH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 | 2620.8 |
| 2.5° | 2602.6 | 2602.6 | 2602.6 | 2600.6 | 2601.6 | 2601.6 | 2600.6 | 2600.6 |
| 5° | 2574.4 | 2573.4 | 2571.4 | 2571.4 | 2569.3 | 2571.4 | 2570.4 | 2571.4 |
| 7.5° | 2536.1 | 2536.1 | 2533.1 | 2533.1 | 2532.1 | 2531.0 | 2530.0 | 2531.0 |
| 10° | 2490.7 | 2490.7 | 2488.7 | 2487.7 | 2488.7 | 2484.7 | 2484.7 | 2483.7 |
| 12.5° | 2440.3 | 2438.3 | 2436.3 | 2437.3 | 2436.3 | 2433.3 | 2432.3 | 2433.3 |
| 15° | 2381.9 | 2378.8 | 2379.8 | 2376.8 | 2376.8 | 2375.8 | 2377.8 | 2377.8 |
| 17.5° | 2317.4 | 2315.3 | 2313.3 | 2314.3 | 2312.3 | 2313.3 | 2312.3 | 2311.3 |
| 20° | 2245.8 | 2244.8 | 2244.8 | 2240.7 | 2241.8 | 2240.7 | 2241.8 | 2244.8 |
| 22.5° | 2163.1 | 2162.1 | 2163.1 | 2160.1 | 2162.1 | 2162.1 | 2165.1 | 2165.1 |
| 25° | 2072.4 | 2071.4 | 2073.4 | 2074.4 | 2075.4 | 2078.5 | 2075.4 | 2076.4 |
| 27.5° | 1971.6 | 1974.6 | 1977.7 | 1978.7 | 1982.7 | 1979.7 | 1977.7 | 1980.7 |
| 30° | 1869.8 | 1869.8 | 1868.8 | 1872.8 | 1875.9 | 1878.9 | 1873.8 | 1873.8 |
| 32.5° | 1752.9 | 1757.9 | 1757.9 | 1758.9 | 1762.0 | 1762.0 | 1762.0 | 1766.0 |
| 35° | 1641.0 | 1644.0 | 1645.0 | 1641.0 | 1643.0 | 1642.0 | 1649.1 | 1649.1 |
| 37.5° | 1516.0 | 1516.0 | 1517.0 | 1524.1 | 1524.1 | 1521.0 | 1523.1 | 1523.1 |
| 40° | 1397.1 | 1398.1 | 1394.0 | 1396.1 | 1401.1 | 1399.1 | 1401.1 | 1403.1 |
| 42.5° | 1267.0 | 1274.1 | 1270.1 | 1272.1 | 1271.1 | 1272.1 | 1273.1 | 1273.1 |
| 45° | 1143.1 | 1145.1 | 1145.1 | 1146.1 | 1148.1 | 1150.1 | 1144.1 | 1143.1 |
| 47.5° | 1022.1 | 1023.1 | 1026.1 | 1021.1 | 1027.1 | 1021.1 | 1027.1 | 1020.1 |
| 50° | 900.1 | 904.2 | 901.1 | 903.2 | 900.1 | 900.1 | 899.1 | 898.1 |
| 52.5° | 784.2 | 783.2 | 783.2 | 782.2 | 782.2 | 784.2 | 782.2 | 785.2 |
| 55° | 668.3 | 669.3 | 667.3 | 666.3 | 665.3 | 668.3 | 665.3 | 663.3 |
| 57.5° | 558.4 | 560.4 | 556.4 | 558.4 | 551.4 | 554.4 | 555.4 | 556.4 |
| 60° | 456.6 | 453.6 | 453.6 | 449.6 | 449.6 | 452.6 | 448.6 | 448.6 |
| 62.5° | 353.8 | 355.8 | 352.8 | 356.8 | 356.8 | 360.9 | 358.8 | 360.9 |
| 65° | 271.1 | 272.2 | 273.2 | 273.2 | 273.2 | 279.2 | 277.2 | 274.2 |
| 67.5° | 204.6 | 205.6 | 206.6 | 205.6 | 208.7 | 206.6 | 206.6 | 207.6 |
| 70° | 148.2 | 149.2 | 150.2 | 150.2 | 149.2 | 150.2 | 150.2 | 150.2 |
| 72.5° | 102.8 | 103.8 | 102.8 | 103.8 | 104.8 | 103.8 | 103.8 | 104.8 |
| 75° | 67.5 | 67.5 | 66.5 | 66.5 | 66.5 | 66.5 | 67.5 | 66.5 |
| 77.5° | 39.3 | 40.3 | 39.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| 80° | 23.2 | 23.2 | 23.2 | 22.2 | 23.2 | 23.2 | 23.2 | 22.2 |
| 82.5° | 12.1 | 12.1 | 11.1 | 11.1 | 12.1 | 12.1 | 12.1 | 12.1 |
| 85° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 87.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 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)