

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: P859425

Luminaire Tested: **LX4C65D010 EX4C659730 4LBLWW***

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P859425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-1)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C65D010 EX4C659730 4LBLWW*
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS
AND 4LRLWW TRIM WITH * FINISH
Light Source: -
Ballast/Driver: -

Summary

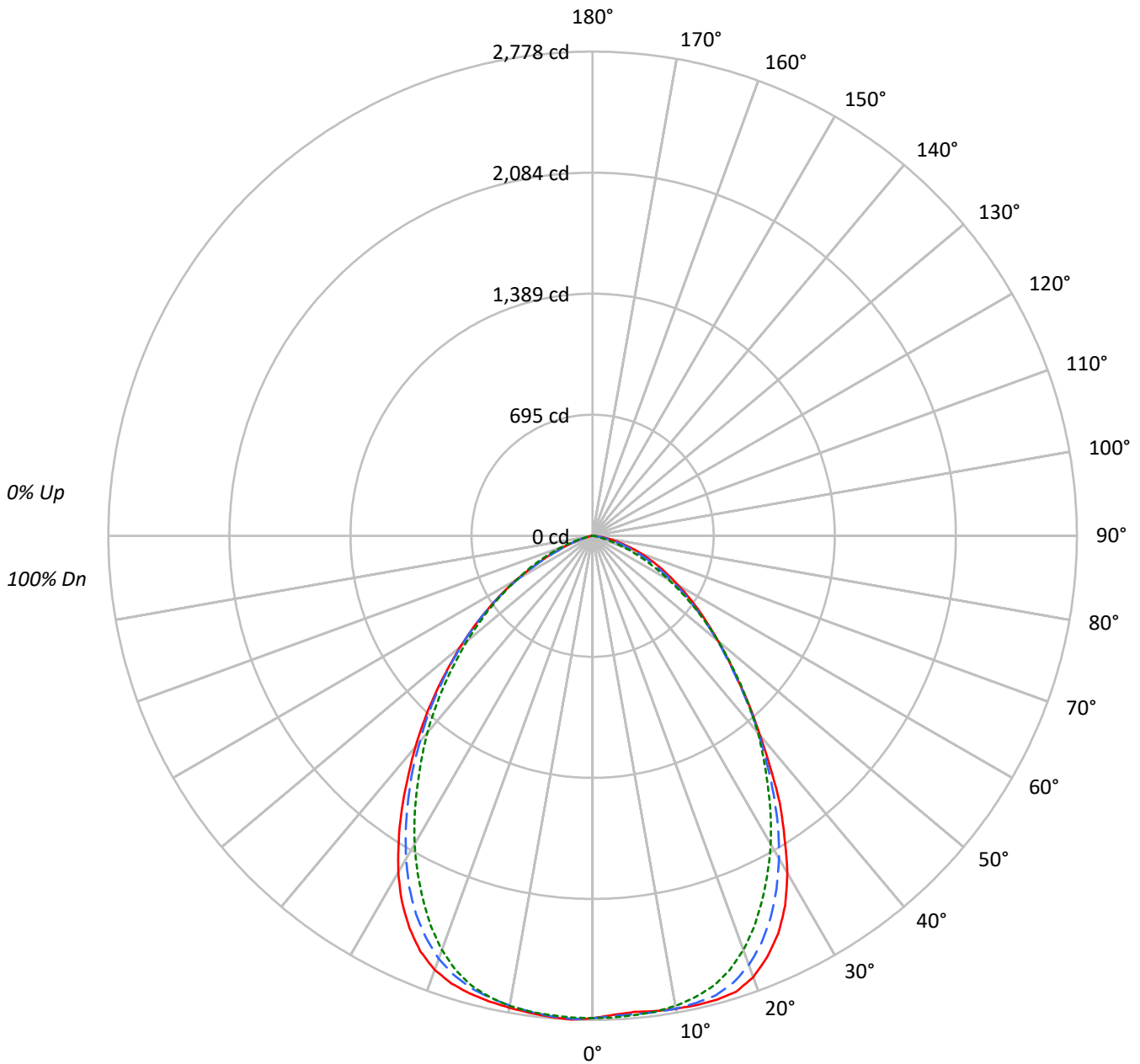
Lumens per Lamp: N/A
Luminaire Lumens: 5307.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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: P859425

CATALOG NUMBER: LX4C65D010 EX4C659730 4LBLWW*

Luminous Intensity Polar Plot





TEST NUMBER: P859425

CATALOG NUMBER: LX4C65D010 EX4C659730 4LBLWW*

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 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | | | | | | | | |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 | | | | | | | | |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | | | | | | | | |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 65 | 75 | 69 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | | | | | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 63 | 57 | 68 | 61 | 57 | 66 | 60 | 56 | 64 | 59 | 55 | 54 | | | | | | | | |
| 6 | 76 | 65 | 57 | 51 | 75 | 64 | 56 | 51 | 62 | 56 | 51 | 61 | 55 | 50 | 59 | 54 | 50 | 48 | | | | | | | | |
| 7 | 71 | 59 | 51 | 46 | 70 | 59 | 51 | 46 | 57 | 50 | 46 | 56 | 50 | 45 | 54 | 49 | 45 | 43 | | | | | | | | |
| 8 | 67 | 55 | 47 | 42 | 65 | 54 | 47 | 42 | 53 | 46 | 41 | 52 | 46 | 41 | 50 | 45 | 41 | 39 | | | | | | | | |
| 9 | 63 | 51 | 43 | 38 | 61 | 50 | 43 | 38 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 41 | 37 | 36 | | | | | | | | |
| 10 | 59 | 47 | 40 | 35 | 58 | 46 | 39 | 35 | 45 | 39 | 35 | 45 | 39 | 35 | 44 | 38 | 34 | 33 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 340071 | 340071 | 340071 |
| 5° | 338163 | 340469 | 341752 |
| 10° | 343757 | 341687 | 342984 |
| 15° | 350477 | 340175 | 345860 |
| 20° | 352247 | 330636 | 346403 |
| 25° | 341406 | 312248 | 336756 |
| 30° | 316885 | 289761 | 316303 |
| 35° | 280621 | 262849 | 285915 |
| 40° | 239214 | 236728 | 253551 |
| 45° | 205518 | 207864 | 220877 |
| 50° | 179391 | 179792 | 189329 |
| 55° | 158521 | 151838 | 156957 |
| 60° | 138947 | 123861 | 123369 |
| 65° | 122994 | 96104 | 85523 |
| 70° | 104922 | 66093 | 50791 |
| 75° | 84871 | 35505 | 23211 |
| 80° | 58085 | 8844 | 5872 |
| 85° | 17620 | 2960 | 2960 |



TEST NUMBER: P859425

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 263.1 | 5.0 |
| 10°-20° | 761.6 | 14.4 |
| 20°-30° | 1100.4 | 20.7 |
| 30°-40° | 1137.6 | 21.4 |
| 40°-50° | 940.0 | 17.7 |
| 50°-60° | 648.7 | 12.2 |
| 60°-70° | 339.6 | 6.4 |
| 70°-80° | 106.9 | 2.0 |
| 80°-90° | 9.1 | 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° | 2125.1 | 40.0 |
| 0°-40° | 3262.7 | 61.5 |
| 0°-60° | 4851.4 | 91.4 |
| 0°-90° | 5307.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5307.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2768 | 2768 | 2768 | 2768 | 2768 | |
| 5° | 2742 | 2756 | 2761 | 2766 | 2771 | 263 |
| 15° | 2756 | 2730 | 2675 | 2687 | 2719 | 777 |
| 25° | 2519 | 2417 | 2304 | 2396 | 2484 | 1150 |
| 35° | 1871 | 1809 | 1753 | 1844 | 1906 | 1161 |
| 45° | 1183 | 1178 | 1196 | 1252 | 1271 | 922 |
| 55° | 740 | 717 | 709 | 729 | 733 | 665 |
| 65° | 423 | 384 | 331 | 274 | 294 | 419 |
| 75° | 179 | 140 | 75 | 51 | 49 | 192 |
| 85° | 12 | 6 | 2 | 2 | 2 | 26 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P859425

CATALOG NUMBER: LX4C65D010 EX4C659730 4LBLWW*

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 |
| 2.5° | 2750.5 | 2751.5 | 2751.5 | 2753.6 | 2753.6 | 2753.6 | 2754.6 | 2754.6 | 2755.6 | 2756.7 | 2757.7 |
| 5° | 2742.1 | 2742.1 | 2744.2 | 2745.3 | 2747.3 | 2748.4 | 2750.5 | 2751.5 | 2753.6 | 2754.6 | 2755.6 |
| 7.5° | 2750.5 | 2750.5 | 2751.5 | 2752.5 | 2752.5 | 2753.6 | 2753.6 | 2754.6 | 2755.6 | 2756.7 | 2756.7 |
| 10° | 2755.6 | 2755.6 | 2755.6 | 2755.6 | 2756.7 | 2756.7 | 2756.7 | 2755.6 | 2755.6 | 2755.6 | 2754.6 |
| 12.5° | 2757.7 | 2757.7 | 2756.7 | 2755.6 | 2756.7 | 2755.6 | 2755.6 | 2752.5 | 2750.5 | 2748.4 | 2745.3 |
| 15° | 2755.6 | 2755.6 | 2754.6 | 2753.6 | 2752.5 | 2750.5 | 2749.4 | 2744.2 | 2740.1 | 2733.8 | 2729.7 |
| 17.5° | 2742.1 | 2740.1 | 2738.0 | 2735.9 | 2731.7 | 2728.6 | 2726.5 | 2717.2 | 2709.9 | 2699.5 | 2688.1 |
| 20° | 2694.3 | 2692.2 | 2689.1 | 2683.9 | 2678.7 | 2674.6 | 2668.3 | 2654.8 | 2647.5 | 2632.0 | 2620.5 |
| 22.5° | 2616.4 | 2614.3 | 2615.3 | 2606.0 | 2595.6 | 2589.3 | 2585.2 | 2573.7 | 2561.3 | 2541.5 | 2529.0 |
| 25° | 2518.6 | 2512.4 | 2512.4 | 2497.9 | 2492.7 | 2488.5 | 2483.3 | 2469.8 | 2451.1 | 2433.4 | 2416.8 |
| 27.5° | 2391.8 | 2383.5 | 2379.4 | 2377.3 | 2364.8 | 2355.5 | 2348.2 | 2337.8 | 2322.2 | 2306.6 | 2283.7 |
| 30° | 2233.8 | 2232.8 | 2227.6 | 2218.2 | 2208.9 | 2204.7 | 2196.4 | 2178.7 | 2164.2 | 2152.8 | 2138.2 |
| 32.5° | 2047.8 | 2046.7 | 2046.7 | 2046.7 | 2040.5 | 2039.5 | 2027.0 | 2017.6 | 2006.2 | 1988.5 | 1979.2 |
| 35° | 1871.1 | 1870.0 | 1871.1 | 1855.5 | 1851.3 | 1848.2 | 1847.1 | 1840.9 | 1825.3 | 1817.0 | 1808.7 |
| 37.5° | 1671.5 | 1674.6 | 1672.5 | 1668.4 | 1673.6 | 1664.2 | 1671.5 | 1658.0 | 1651.7 | 1649.6 | 1640.3 |
| 40° | 1491.6 | 1500.0 | 1491.6 | 1492.7 | 1497.9 | 1488.5 | 1488.5 | 1486.4 | 1482.3 | 1480.2 | 1478.1 |
| 42.5° | 1337.8 | 1327.4 | 1333.6 | 1328.4 | 1333.6 | 1330.5 | 1325.3 | 1328.4 | 1329.5 | 1325.3 | 1324.3 |
| 45° | 1182.9 | 1185.0 | 1187.1 | 1184.0 | 1184.0 | 1180.8 | 1189.2 | 1184.0 | 1184.0 | 1185.0 | 1177.7 |
| 47.5° | 1057.1 | 1054.0 | 1056.1 | 1054.0 | 1055.1 | 1053.0 | 1055.1 | 1056.1 | 1054.0 | 1054.0 | 1047.8 |
| 50° | 938.6 | 936.6 | 943.8 | 937.6 | 937.6 | 936.6 | 937.6 | 935.5 | 932.4 | 932.4 | 934.5 |
| 52.5° | 835.7 | 831.6 | 830.5 | 835.7 | 828.5 | 828.5 | 829.5 | 827.4 | 823.3 | 821.2 | 816.0 |
| 55° | 740.1 | 739.1 | 740.1 | 735.9 | 733.9 | 733.9 | 728.7 | 726.6 | 725.6 | 720.4 | 717.2 |
| 57.5° | 650.7 | 647.6 | 648.6 | 647.6 | 643.4 | 642.4 | 638.2 | 638.2 | 634.1 | 629.9 | 624.7 |
| 60° | 565.5 | 565.5 | 568.6 | 564.4 | 561.3 | 559.2 | 557.2 | 555.1 | 547.8 | 540.5 | 534.3 |
| 62.5° | 489.6 | 490.6 | 489.6 | 486.5 | 484.4 | 482.3 | 480.2 | 474.0 | 467.8 | 463.6 | 456.3 |
| 65° | 423.1 | 422.0 | 418.9 | 416.8 | 411.6 | 411.6 | 407.5 | 404.4 | 397.1 | 390.8 | 383.6 |
| 67.5° | 354.5 | 352.4 | 352.4 | 352.4 | 346.1 | 345.1 | 343.0 | 336.8 | 330.6 | 322.2 | 316.0 |
| 70° | 292.1 | 294.2 | 291.1 | 287.9 | 284.8 | 283.8 | 280.7 | 274.4 | 267.1 | 258.8 | 253.6 |
| 72.5° | 232.8 | 234.9 | 231.8 | 230.8 | 224.5 | 222.4 | 221.4 | 216.2 | 207.9 | 202.7 | 194.4 |
| 75° | 178.8 | 179.8 | 177.8 | 175.7 | 171.5 | 170.5 | 165.3 | 161.1 | 155.9 | 147.6 | 140.3 |
| 77.5° | 128.9 | 126.8 | 126.8 | 122.7 | 118.5 | 118.5 | 117.5 | 111.2 | 103.9 | 97.7 | 91.5 |
| 80° | 82.1 | 81.1 | 78.0 | 75.9 | 72.8 | 71.7 | 70.7 | 65.5 | 60.3 | 56.1 | 52.0 |
| 82.5° | 41.6 | 40.5 | 39.5 | 38.5 | 36.4 | 34.3 | 35.3 | 31.2 | 29.1 | 24.9 | 21.8 |
| 85° | 12.5 | 13.5 | 13.5 | 12.5 | 11.4 | 11.4 | 11.4 | 10.4 | 8.3 | 7.3 | 6.2 |
| 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: P859425

CATALOG NUMBER: LX4C65D010 EX4C659730 4LBLWW*

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 |
| 2.5° | 2758.8 | 2759.8 | 2760.8 | 2761.9 | 2761.9 | 2762.9 | 2764.0 | 2765.0 | 2766.0 | 2766.0 | 2767.1 |
| 5° | 2756.7 | 2758.8 | 2758.8 | 2759.8 | 2759.8 | 2759.8 | 2760.8 | 2760.8 | 2760.8 | 2760.8 | 2761.9 |
| 7.5° | 2757.7 | 2757.7 | 2757.7 | 2756.7 | 2756.7 | 2755.6 | 2755.6 | 2755.6 | 2753.6 | 2753.6 | 2753.6 |
| 10° | 2752.5 | 2751.5 | 2750.5 | 2748.4 | 2747.3 | 2746.3 | 2744.2 | 2742.1 | 2740.1 | 2739.0 | 2736.9 |
| 12.5° | 2742.1 | 2738.0 | 2733.8 | 2729.7 | 2727.6 | 2726.5 | 2722.4 | 2719.3 | 2716.1 | 2713.0 | 2711.0 |
| 15° | 2721.3 | 2715.1 | 2707.8 | 2699.5 | 2697.4 | 2695.4 | 2688.1 | 2681.8 | 2677.7 | 2674.6 | 2669.4 |
| 17.5° | 2679.8 | 2667.3 | 2659.0 | 2646.5 | 2641.3 | 2639.2 | 2627.8 | 2621.6 | 2614.3 | 2612.2 | 2608.0 |
| 20° | 2606.0 | 2594.5 | 2578.9 | 2567.5 | 2561.3 | 2555.0 | 2545.7 | 2537.4 | 2529.0 | 2529.0 | 2523.8 |
| 22.5° | 2513.5 | 2498.9 | 2479.1 | 2464.6 | 2463.6 | 2451.1 | 2442.8 | 2433.4 | 2430.3 | 2424.1 | 2424.1 |
| 25° | 2397.0 | 2384.6 | 2362.7 | 2350.3 | 2344.0 | 2340.9 | 2327.4 | 2314.9 | 2308.7 | 2303.5 | 2307.6 |
| 27.5° | 2268.1 | 2249.4 | 2232.8 | 2217.2 | 2212.0 | 2205.8 | 2193.3 | 2188.1 | 2176.7 | 2175.6 | 2174.6 |
| 30° | 2120.5 | 2101.8 | 2085.2 | 2077.9 | 2067.5 | 2062.3 | 2053.0 | 2046.7 | 2042.6 | 2042.6 | 2040.5 |
| 32.5° | 1965.6 | 1949.0 | 1940.7 | 1925.1 | 1919.9 | 1912.6 | 1906.4 | 1900.2 | 1902.2 | 1900.2 | 1901.2 |
| 35° | 1798.3 | 1794.1 | 1778.5 | 1769.2 | 1769.2 | 1768.1 | 1757.8 | 1753.6 | 1751.5 | 1752.6 | 1757.8 |
| 37.5° | 1639.3 | 1626.8 | 1616.4 | 1610.1 | 1615.3 | 1609.1 | 1608.1 | 1608.1 | 1614.3 | 1610.1 | 1618.5 |
| 40° | 1469.8 | 1468.8 | 1464.6 | 1466.7 | 1467.7 | 1460.5 | 1462.5 | 1463.6 | 1467.7 | 1476.1 | 1477.1 |
| 42.5° | 1322.2 | 1321.2 | 1321.2 | 1321.2 | 1319.1 | 1314.9 | 1319.1 | 1326.4 | 1325.3 | 1331.6 | 1336.8 |
| 45° | 1179.8 | 1177.7 | 1181.9 | 1178.8 | 1185.0 | 1187.1 | 1184.0 | 1186.0 | 1192.3 | 1196.4 | 1204.8 |
| 47.5° | 1049.9 | 1049.9 | 1050.9 | 1053.0 | 1046.8 | 1051.9 | 1054.0 | 1058.2 | 1061.3 | 1063.4 | 1067.5 |
| 50° | 929.3 | 929.3 | 927.2 | 927.2 | 927.2 | 930.3 | 926.2 | 931.4 | 932.4 | 940.7 | 945.9 |
| 52.5° | 818.1 | 812.9 | 816.0 | 813.9 | 809.8 | 807.7 | 809.8 | 810.8 | 817.0 | 819.1 | 825.3 |
| 55° | 712.0 | 712.0 | 703.7 | 701.6 | 704.8 | 703.7 | 702.7 | 702.7 | 705.8 | 708.9 | 714.1 |
| 57.5° | 618.5 | 612.3 | 606.0 | 605.0 | 601.9 | 602.9 | 602.9 | 601.9 | 599.8 | 600.8 | 601.9 |
| 60° | 530.1 | 526.0 | 516.6 | 516.6 | 515.6 | 514.5 | 509.3 | 508.3 | 503.1 | 504.1 | 500.0 |
| 62.5° | 449.1 | 447.0 | 434.5 | 430.3 | 430.3 | 427.2 | 422.0 | 421.0 | 413.7 | 413.7 | 409.6 |
| 65° | 376.3 | 370.1 | 362.8 | 355.5 | 355.5 | 351.3 | 348.2 | 338.9 | 333.7 | 330.6 | 324.3 |
| 67.5° | 309.8 | 300.4 | 293.1 | 286.9 | 282.7 | 281.7 | 274.4 | 268.2 | 259.9 | 254.7 | 245.3 |
| 70° | 245.3 | 238.0 | 230.8 | 224.5 | 220.4 | 216.2 | 208.9 | 199.6 | 193.3 | 184.0 | 177.8 |
| 72.5° | 185.0 | 178.8 | 172.6 | 164.2 | 159.0 | 155.9 | 148.6 | 140.3 | 129.9 | 123.7 | 115.4 |
| 75° | 133.1 | 125.8 | 117.5 | 110.2 | 107.1 | 103.9 | 95.6 | 89.4 | 82.1 | 74.8 | 66.5 |
| 77.5° | 86.3 | 78.0 | 71.7 | 63.4 | 62.4 | 60.3 | 52.0 | 45.7 | 40.5 | 36.4 | 31.2 |
| 80° | 45.7 | 41.6 | 36.4 | 31.2 | 29.1 | 26.0 | 21.8 | 18.7 | 15.6 | 12.5 | 10.4 |
| 82.5° | 19.8 | 16.6 | 13.5 | 11.4 | 10.4 | 9.4 | 7.3 | 6.2 | 5.2 | 5.2 | 4.2 |
| 85° | 5.2 | 4.2 | 4.2 | 3.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 | 1.0 | 1.0 | 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: P859425

CATALOG NUMBER: LX4C65D010 EX4C659730 4LBLWW*

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 |
| 2.5° | 2768.1 | 2769.2 | 2770.2 | 2770.2 | 2771.2 | 2772.3 | 2772.3 | 2773.3 | 2774.4 | 2775.4 | 2775.4 |
| 5° | 2762.9 | 2762.9 | 2762.9 | 2764.0 | 2764.0 | 2764.0 | 2764.0 | 2766.0 | 2766.0 | 2767.1 | 2768.1 |
| 7.5° | 2752.5 | 2752.5 | 2752.5 | 2752.5 | 2751.5 | 2752.5 | 2751.5 | 2751.5 | 2753.6 | 2754.6 | 2755.6 |
| 10° | 2735.9 | 2734.9 | 2734.9 | 2733.8 | 2733.8 | 2733.8 | 2734.9 | 2735.9 | 2736.9 | 2738.0 | 2741.1 |
| 12.5° | 2709.9 | 2708.9 | 2708.9 | 2707.8 | 2707.8 | 2708.9 | 2709.9 | 2712.0 | 2716.1 | 2718.2 | 2722.4 |
| 15° | 2668.3 | 2667.3 | 2668.3 | 2669.4 | 2671.5 | 2674.6 | 2677.7 | 2680.8 | 2687.0 | 2692.2 | 2697.4 |
| 17.5° | 2608.0 | 2609.1 | 2610.1 | 2612.2 | 2615.3 | 2619.5 | 2627.8 | 2636.1 | 2643.4 | 2651.7 | 2660.0 |
| 20° | 2524.9 | 2529.0 | 2530.1 | 2537.4 | 2539.4 | 2548.8 | 2558.1 | 2570.6 | 2582.1 | 2592.5 | 2603.9 |
| 22.5° | 2425.1 | 2428.2 | 2432.4 | 2440.7 | 2445.9 | 2458.4 | 2469.8 | 2484.3 | 2496.8 | 2510.3 | 2527.0 |
| 25° | 2311.8 | 2312.8 | 2325.3 | 2325.3 | 2337.8 | 2348.2 | 2361.7 | 2377.3 | 2396.0 | 2413.7 | 2425.1 |
| 27.5° | 2182.9 | 2188.1 | 2197.5 | 2201.6 | 2211.0 | 2227.6 | 2239.0 | 2257.7 | 2276.5 | 2292.0 | 2304.5 |
| 30° | 2047.8 | 2051.9 | 2067.5 | 2069.6 | 2076.9 | 2091.4 | 2107.0 | 2124.7 | 2139.2 | 2156.9 | 2168.3 |
| 32.5° | 1905.4 | 1916.8 | 1926.1 | 1933.4 | 1935.5 | 1957.3 | 1965.6 | 1978.1 | 1994.8 | 2012.4 | 2023.9 |
| 35° | 1767.1 | 1772.3 | 1785.8 | 1790.0 | 1796.2 | 1808.7 | 1825.3 | 1835.7 | 1844.0 | 1855.5 | 1869.0 |
| 37.5° | 1620.5 | 1636.1 | 1639.3 | 1651.7 | 1653.8 | 1665.2 | 1673.6 | 1686.0 | 1696.4 | 1706.8 | 1708.9 |
| 40° | 1484.4 | 1489.6 | 1501.0 | 1504.1 | 1506.2 | 1521.8 | 1532.2 | 1535.3 | 1540.5 | 1549.9 | 1562.3 |
| 42.5° | 1346.1 | 1351.3 | 1363.8 | 1360.7 | 1370.0 | 1377.3 | 1382.5 | 1395.0 | 1400.2 | 1403.3 | 1403.3 |
| 45° | 1209.9 | 1212.0 | 1220.3 | 1224.5 | 1229.7 | 1233.9 | 1243.2 | 1249.4 | 1251.5 | 1260.9 | 1264.0 |
| 47.5° | 1080.0 | 1082.1 | 1088.3 | 1095.6 | 1093.5 | 1098.7 | 1109.1 | 1112.2 | 1113.3 | 1119.5 | 1122.6 |
| 50° | 952.2 | 957.4 | 965.7 | 963.6 | 969.8 | 972.9 | 982.3 | 984.4 | 984.4 | 985.4 | 986.5 |
| 52.5° | 832.6 | 836.8 | 838.9 | 840.9 | 844.1 | 849.3 | 853.4 | 851.3 | 855.5 | 859.6 | 856.5 |
| 55° | 714.1 | 717.2 | 722.4 | 724.5 | 724.5 | 725.6 | 723.5 | 732.8 | 728.7 | 727.6 | 728.7 |
| 57.5° | 606.0 | 601.9 | 600.8 | 606.0 | 608.1 | 607.1 | 603.9 | 608.1 | 608.1 | 606.0 | 602.9 |
| 60° | 501.0 | 497.9 | 496.9 | 497.9 | 493.8 | 490.6 | 492.7 | 490.6 | 485.4 | 483.4 | 484.4 |
| 62.5° | 405.4 | 402.3 | 394.0 | 394.0 | 391.9 | 390.8 | 382.5 | 383.6 | 379.4 | 373.2 | 375.3 |
| 65° | 317.0 | 308.7 | 304.6 | 303.5 | 296.3 | 290.0 | 287.9 | 280.7 | 274.4 | 273.4 | 274.4 |
| 67.5° | 238.0 | 228.7 | 221.4 | 218.3 | 214.1 | 208.9 | 201.7 | 195.4 | 197.5 | 196.5 | 200.6 |
| 70° | 165.3 | 159.0 | 151.8 | 146.6 | 148.6 | 142.4 | 138.3 | 138.3 | 139.3 | 140.3 | 142.4 |
| 72.5° | 110.2 | 101.9 | 98.8 | 95.6 | 93.6 | 89.4 | 91.5 | 91.5 | 90.4 | 91.5 | 89.4 |
| 75° | 62.4 | 58.2 | 55.1 | 54.1 | 52.0 | 52.0 | 52.0 | 52.0 | 50.9 | 49.9 | 49.9 |
| 77.5° | 28.1 | 26.0 | 24.9 | 23.9 | 23.9 | 23.9 | 22.9 | 21.8 | 21.8 | 21.8 | 20.8 |
| 80° | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| 82.5° | 4.2 | 4.2 | 5.2 | 5.2 | 5.2 | 4.2 | 5.2 | 5.2 | 4.2 | 4.2 | 5.2 |
| 85° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 87.5° | 1.0 | 1.0 | 1.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 1.0 | 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: P859425

CATALOG NUMBER: LX4C65D010 EX4C659730 4LBLWW*

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 | 2768.1 |
| 2.5° | 2776.4 | 2777.5 | 2777.5 | 2777.5 | 2778.5 | 2778.5 | 2778.5 | 2778.5 |
| 5° | 2769.2 | 2770.2 | 2770.2 | 2770.2 | 2771.2 | 2771.2 | 2771.2 | 2771.2 |
| 7.5° | 2756.7 | 2757.7 | 2757.7 | 2758.8 | 2758.8 | 2759.8 | 2759.8 | 2760.8 |
| 10° | 2742.1 | 2744.2 | 2745.3 | 2746.3 | 2747.3 | 2748.4 | 2748.4 | 2749.4 |
| 12.5° | 2726.5 | 2728.6 | 2729.7 | 2731.7 | 2733.8 | 2734.9 | 2735.9 | 2736.9 |
| 15° | 2703.7 | 2707.8 | 2709.9 | 2711.0 | 2715.1 | 2717.2 | 2718.2 | 2719.3 |
| 17.5° | 2667.3 | 2675.6 | 2678.7 | 2680.8 | 2685.0 | 2689.1 | 2692.2 | 2693.3 |
| 20° | 2615.3 | 2624.7 | 2628.8 | 2634.0 | 2640.3 | 2645.5 | 2647.5 | 2649.6 |
| 22.5° | 2542.6 | 2553.0 | 2559.2 | 2565.4 | 2570.6 | 2575.8 | 2584.1 | 2581.0 |
| 25° | 2438.6 | 2456.3 | 2463.6 | 2466.7 | 2478.1 | 2484.3 | 2488.5 | 2484.3 |
| 27.5° | 2322.2 | 2332.6 | 2338.8 | 2346.1 | 2354.4 | 2360.6 | 2362.7 | 2369.0 |
| 30° | 2181.9 | 2199.5 | 2198.5 | 2205.8 | 2216.2 | 2222.4 | 2224.5 | 2229.7 |
| 32.5° | 2036.3 | 2044.6 | 2050.9 | 2049.8 | 2054.0 | 2065.4 | 2061.3 | 2070.6 |
| 35° | 1881.5 | 1882.5 | 1892.9 | 1891.8 | 1900.2 | 1900.2 | 1900.2 | 1906.4 |
| 37.5° | 1716.2 | 1728.6 | 1723.5 | 1735.9 | 1731.8 | 1734.9 | 1734.9 | 1737.0 |
| 40° | 1565.4 | 1569.6 | 1569.6 | 1573.8 | 1576.9 | 1573.8 | 1575.8 | 1581.0 |
| 42.5° | 1409.5 | 1413.7 | 1414.7 | 1412.6 | 1415.8 | 1425.1 | 1417.8 | 1424.1 |
| 45° | 1264.0 | 1267.1 | 1271.3 | 1268.2 | 1273.4 | 1270.2 | 1273.4 | 1271.3 |
| 47.5° | 1126.8 | 1125.8 | 1124.7 | 1133.0 | 1125.8 | 1126.8 | 1130.9 | 1123.7 |
| 50° | 986.5 | 992.7 | 988.5 | 991.7 | 993.7 | 993.7 | 990.6 | 990.6 |
| 52.5° | 861.7 | 860.7 | 857.6 | 860.7 | 858.6 | 859.6 | 861.7 | 859.6 |
| 55° | 732.8 | 737.0 | 734.9 | 733.9 | 734.9 | 734.9 | 741.1 | 732.8 |
| 57.5° | 606.0 | 603.9 | 607.1 | 614.3 | 607.1 | 612.3 | 615.4 | 616.4 |
| 60° | 485.4 | 485.4 | 491.7 | 488.6 | 494.8 | 500.0 | 504.1 | 502.1 |
| 62.5° | 370.1 | 375.3 | 377.3 | 378.4 | 384.6 | 388.8 | 388.8 | 387.7 |
| 65° | 274.4 | 281.7 | 281.7 | 285.9 | 287.9 | 287.9 | 290.0 | 294.2 |
| 67.5° | 202.7 | 202.7 | 203.7 | 205.8 | 204.8 | 204.8 | 206.9 | 207.9 |
| 70° | 141.4 | 139.3 | 142.4 | 141.4 | 141.4 | 140.3 | 141.4 | 141.4 |
| 72.5° | 89.4 | 89.4 | 90.4 | 89.4 | 87.3 | 88.4 | 88.4 | 90.4 |
| 75° | 47.8 | 49.9 | 47.8 | 47.8 | 48.9 | 46.8 | 47.8 | 48.9 |
| 77.5° | 19.8 | 19.8 | 19.8 | 19.8 | 19.8 | 18.7 | 18.7 | 18.7 |
| 80° | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 8.3 | 8.3 |
| 82.5° | 4.2 | 5.2 | 4.2 | 5.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 85° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 87.5° | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 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)