

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: P859437

Luminaire Tested: **LX4C70D010 EX4C709027 4LBLWWH**

Issue Date: 2/14/2022

Test Information

Test Method: LM-79-08
Report Number: P859437
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: LX4C70D010 EX4C709027 4LBLWWH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

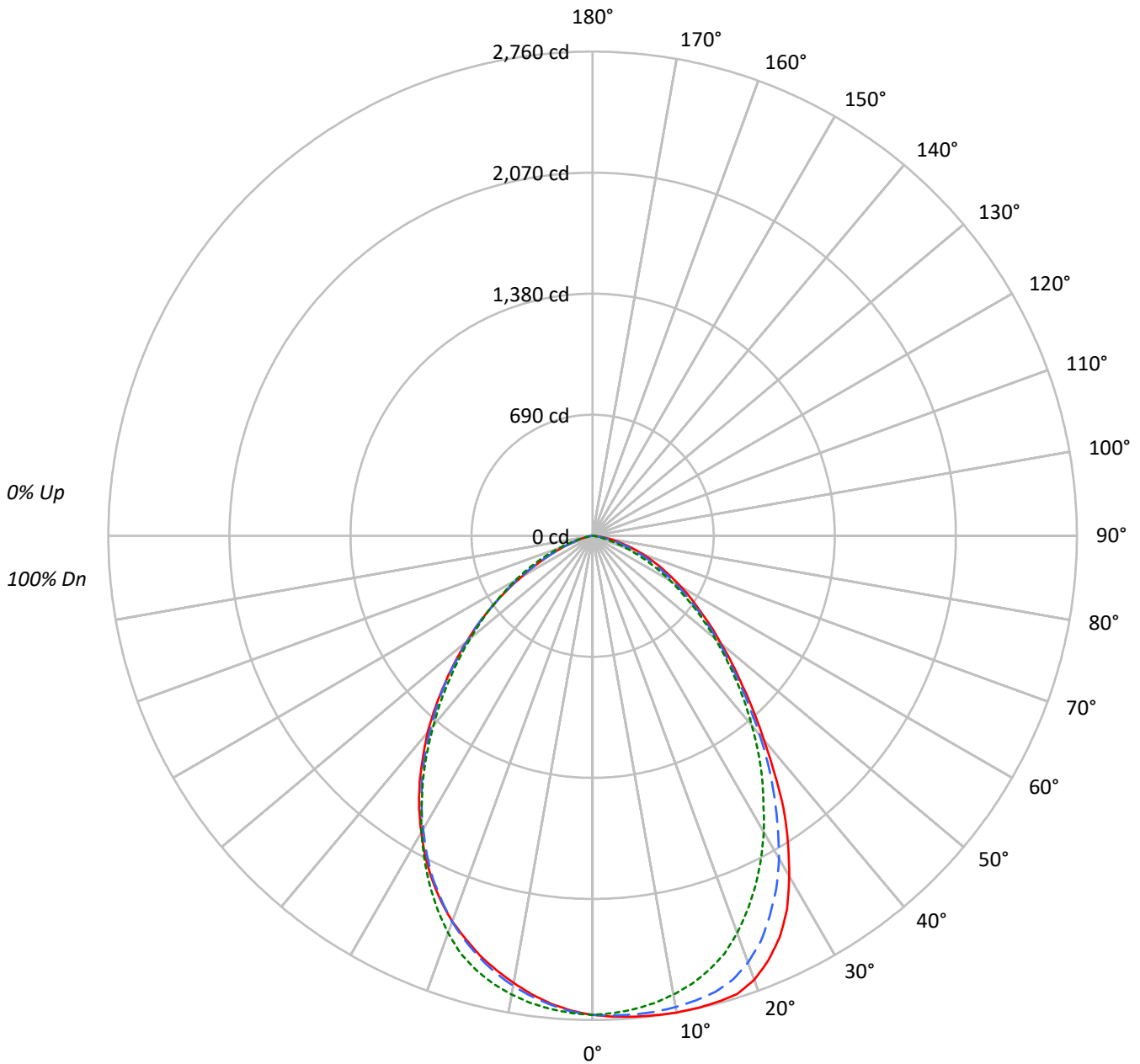
Lumens per Lamp: N/A
Luminaire Lumens: 5147.0 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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: P859437

CATALOG NUMBER: LX4C70D010 EX4C709027 4LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P859437

CATALOG NUMBER: LX4C70D010 EX4C709027 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 | | | 100 |
| 1 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 90 | 88 | | | 88 |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | 77 |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 | | | 68 |
| 4 | 88 | 78 | 70 | 64 | 86 | 77 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 62 | 70 | 65 | 62 | 60 | | | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 69 | 62 | 57 | 67 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 53 | | | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | | | 47 |
| 7 | 71 | 59 | 51 | 46 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | 43 |
| 8 | 67 | 54 | 47 | 41 | 65 | 54 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 40 | 39 | | | 39 |
| 9 | 62 | 50 | 43 | 38 | 61 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 35 | | | 35 |
| 10 | 59 | 47 | 39 | 34 | 58 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 335525 | 335525 | 335525 |
| 5° | 339273 | 334094 | 330468 |
| 10° | 344244 | 331270 | 322887 |
| 15° | 349905 | 325994 | 315170 |
| 20° | 352116 | 314895 | 305835 |
| 25° | 342016 | 297880 | 293325 |
| 30° | 317849 | 276866 | 277022 |
| 35° | 284520 | 252380 | 257734 |
| 40° | 243592 | 226239 | 234499 |
| 45° | 209688 | 199472 | 206960 |
| 50° | 182296 | 173657 | 178875 |
| 55° | 160427 | 149396 | 148047 |
| 60° | 142731 | 124672 | 114843 |
| 65° | 125203 | 99854 | 83052 |
| 70° | 107544 | 70547 | 56215 |
| 75° | 87244 | 40869 | 32895 |
| 80° | 62400 | 17829 | 16343 |
| 85° | 23681 | 7471 | 7471 |



TEST NUMBER: P859437

CATALOG NUMBER: LX4C70D010 EX4C709027 4LBLWWH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 257.4 | 5.0 |
| 10°-20° | 728.6 | 14.2 |
| 20°-30° | 1040.4 | 20.2 |
| 30°-40° | 1088.4 | 21.1 |
| 40°-50° | 911.9 | 17.7 |
| 50°-60° | 638.2 | 12.4 |
| 60°-70° | 347.5 | 6.8 |
| 70°-80° | 120.6 | 2.3 |
| 80°-90° | 13.9 | 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° | 2026.4 | 39.4 |
| 0°-40° | 3114.8 | 60.5 |
| 0°-60° | 4665.0 | 90.6 |
| 0°-90° | 5147.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5147.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2731 | 2731 | 2731 | 2731 | 2731 | |
| 5° | 2751 | 2738 | 2709 | 2686 | 2680 | 263 |
| 15° | 2751 | 2693 | 2563 | 2490 | 2478 | 777 |
| 25° | 2523 | 2389 | 2198 | 2154 | 2164 | 1152 |
| 35° | 1897 | 1804 | 1683 | 1695 | 1718 | 1176 |
| 45° | 1207 | 1180 | 1148 | 1186 | 1191 | 938 |
| 55° | 749 | 724 | 698 | 698 | 691 | 677 |
| 65° | 431 | 393 | 344 | 289 | 286 | 429 |
| 75° | 184 | 149 | 86 | 69 | 69 | 198 |
| 85° | 17 | 10 | 5 | 5 | 5 | 30 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P859437

CATALOG NUMBER: LX4C70D010 EX4C709027 4LBLWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 |
| 2.5° | 2743.7 | 2740.6 | 2741.6 | 2741.6 | 2741.6 | 2740.6 | 2741.6 | 2740.6 | 2740.6 | 2739.5 | 2737.4 |
| 5° | 2751.1 | 2749.0 | 2749.0 | 2749.0 | 2747.9 | 2746.9 | 2746.9 | 2745.8 | 2743.7 | 2742.7 | 2738.5 |
| 7.5° | 2756.3 | 2754.2 | 2754.2 | 2753.2 | 2752.1 | 2751.1 | 2750.0 | 2746.9 | 2743.7 | 2741.6 | 2736.4 |
| 10° | 2759.5 | 2756.3 | 2756.3 | 2754.2 | 2752.1 | 2751.1 | 2749.0 | 2744.8 | 2740.6 | 2735.3 | 2728.0 |
| 12.5° | 2757.4 | 2754.2 | 2753.2 | 2751.1 | 2746.9 | 2744.8 | 2742.7 | 2737.4 | 2730.1 | 2722.7 | 2713.3 |
| 15° | 2751.1 | 2749.0 | 2746.9 | 2743.7 | 2738.5 | 2735.3 | 2733.2 | 2724.8 | 2715.4 | 2704.9 | 2693.3 |
| 17.5° | 2738.5 | 2735.3 | 2731.1 | 2726.9 | 2719.6 | 2716.4 | 2711.2 | 2700.7 | 2687.0 | 2672.3 | 2654.4 |
| 20° | 2693.3 | 2691.2 | 2687.0 | 2679.7 | 2668.1 | 2663.9 | 2656.5 | 2642.9 | 2625.0 | 2607.2 | 2588.3 |
| 22.5° | 2618.7 | 2615.6 | 2609.3 | 2603.0 | 2592.5 | 2585.1 | 2578.8 | 2559.9 | 2539.9 | 2521.0 | 2503.2 |
| 25° | 2523.1 | 2520.0 | 2511.6 | 2503.2 | 2492.7 | 2480.1 | 2473.8 | 2459.1 | 2439.1 | 2414.9 | 2388.7 |
| 27.5° | 2400.2 | 2389.7 | 2386.6 | 2377.1 | 2361.4 | 2357.2 | 2347.7 | 2328.8 | 2309.9 | 2288.9 | 2266.8 |
| 30° | 2240.6 | 2240.6 | 2234.3 | 2230.1 | 2215.4 | 2211.2 | 2200.7 | 2180.7 | 2170.2 | 2140.8 | 2124.0 |
| 32.5° | 2071.5 | 2069.4 | 2064.1 | 2060.9 | 2052.5 | 2045.2 | 2034.7 | 2024.2 | 2001.1 | 1986.4 | 1963.3 |
| 35° | 1897.1 | 1884.5 | 1886.6 | 1880.3 | 1875.0 | 1866.6 | 1865.6 | 1854.0 | 1833.0 | 1824.6 | 1803.6 |
| 37.5° | 1698.5 | 1693.3 | 1700.6 | 1691.2 | 1685.9 | 1687.0 | 1678.6 | 1671.2 | 1662.8 | 1648.1 | 1643.9 |
| 40° | 1518.9 | 1523.1 | 1522.1 | 1513.7 | 1517.9 | 1512.6 | 1504.2 | 1496.9 | 1492.7 | 1483.2 | 1480.1 |
| 42.5° | 1358.2 | 1351.9 | 1349.8 | 1349.8 | 1350.9 | 1350.9 | 1346.7 | 1341.4 | 1341.4 | 1331.9 | 1322.5 |
| 45° | 1206.9 | 1206.9 | 1204.8 | 1211.1 | 1201.7 | 1201.7 | 1198.5 | 1197.5 | 1193.3 | 1191.2 | 1179.6 |
| 47.5° | 1076.7 | 1075.6 | 1074.6 | 1073.5 | 1072.5 | 1072.5 | 1066.2 | 1060.9 | 1059.9 | 1053.6 | 1047.3 |
| 50° | 953.8 | 960.1 | 958.0 | 952.7 | 950.6 | 951.7 | 947.5 | 944.3 | 943.3 | 932.8 | 933.8 |
| 52.5° | 850.9 | 849.8 | 851.9 | 848.7 | 843.5 | 844.5 | 840.3 | 836.1 | 831.9 | 826.7 | 822.5 |
| 55° | 749.0 | 754.2 | 752.1 | 749.0 | 747.9 | 745.8 | 742.7 | 737.4 | 736.4 | 724.8 | 723.7 |
| 57.5° | 663.9 | 662.8 | 660.7 | 655.5 | 654.4 | 651.3 | 651.3 | 647.1 | 640.8 | 634.5 | 629.2 |
| 60° | 580.9 | 580.9 | 577.7 | 576.7 | 572.5 | 571.4 | 570.4 | 566.2 | 558.8 | 553.6 | 545.2 |
| 62.5° | 501.1 | 503.2 | 501.1 | 497.9 | 494.8 | 490.6 | 488.5 | 485.3 | 479.0 | 473.7 | 466.4 |
| 65° | 430.7 | 429.6 | 428.6 | 424.4 | 423.3 | 419.1 | 418.1 | 411.8 | 405.5 | 401.3 | 392.9 |
| 67.5° | 363.4 | 360.3 | 360.3 | 358.2 | 356.1 | 352.9 | 350.8 | 344.5 | 337.2 | 333.0 | 324.6 |
| 70° | 299.4 | 297.3 | 297.3 | 297.3 | 292.0 | 288.9 | 287.8 | 284.7 | 274.2 | 270.0 | 261.6 |
| 72.5° | 240.5 | 239.5 | 238.4 | 235.3 | 232.1 | 232.1 | 227.9 | 221.6 | 216.4 | 211.1 | 204.8 |
| 75° | 183.8 | 185.9 | 183.8 | 179.6 | 178.6 | 176.5 | 173.3 | 168.1 | 162.8 | 156.5 | 149.2 |
| 77.5° | 134.5 | 132.4 | 130.3 | 130.3 | 128.2 | 124.0 | 122.9 | 118.7 | 112.4 | 108.2 | 100.8 |
| 80° | 88.2 | 87.2 | 85.1 | 83.0 | 81.9 | 80.9 | 79.8 | 75.6 | 69.3 | 66.2 | 59.9 |
| 82.5° | 48.3 | 47.3 | 47.3 | 46.2 | 43.1 | 43.1 | 42.0 | 37.8 | 34.7 | 32.6 | 29.4 |
| 85° | 16.8 | 16.8 | 16.8 | 15.8 | 15.8 | 15.8 | 14.7 | 13.7 | 12.6 | 11.6 | 9.5 |
| 87.5° | 2.1 | 1.1 | 2.1 | 1.1 | 2.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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: P859437

CATALOG NUMBER: LX4C70D010 EX4C709027 4LBLWWH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 |
| 2.5° | 2735.3 | 2733.2 | 2732.2 | 2731.1 | 2730.1 | 2729.0 | 2728.0 | 2725.9 | 2724.8 | 2723.8 | 2721.7 |
| 5° | 2735.3 | 2731.1 | 2729.0 | 2725.9 | 2723.8 | 2721.7 | 2718.5 | 2715.4 | 2712.2 | 2709.1 | 2705.9 |
| 7.5° | 2731.1 | 2724.8 | 2720.6 | 2714.3 | 2712.2 | 2709.1 | 2702.8 | 2698.6 | 2693.3 | 2687.0 | 2679.7 |
| 10° | 2720.6 | 2713.3 | 2704.9 | 2696.5 | 2693.3 | 2688.1 | 2679.7 | 2672.3 | 2663.9 | 2655.5 | 2648.1 |
| 12.5° | 2703.8 | 2692.3 | 2681.8 | 2670.2 | 2663.9 | 2658.6 | 2647.1 | 2636.6 | 2626.1 | 2616.6 | 2604.0 |
| 15° | 2678.6 | 2664.9 | 2651.3 | 2635.5 | 2628.2 | 2621.9 | 2605.1 | 2592.5 | 2575.7 | 2563.1 | 2550.4 |
| 17.5° | 2637.6 | 2616.6 | 2599.8 | 2579.9 | 2569.4 | 2562.0 | 2547.3 | 2527.3 | 2511.6 | 2497.9 | 2483.2 |
| 20° | 2567.3 | 2547.3 | 2524.2 | 2502.1 | 2490.6 | 2481.1 | 2460.1 | 2439.1 | 2423.3 | 2408.6 | 2392.9 |
| 22.5° | 2474.8 | 2449.6 | 2432.8 | 2405.5 | 2396.0 | 2384.5 | 2359.3 | 2340.4 | 2322.5 | 2307.8 | 2293.1 |
| 25° | 2362.4 | 2340.4 | 2317.3 | 2292.0 | 2280.5 | 2266.8 | 2245.8 | 2225.9 | 2214.3 | 2197.5 | 2179.6 |
| 27.5° | 2233.2 | 2215.4 | 2187.0 | 2164.9 | 2153.4 | 2142.9 | 2122.9 | 2105.1 | 2088.3 | 2076.7 | 2059.9 |
| 30° | 2096.7 | 2075.7 | 2050.4 | 2027.3 | 2021.0 | 2008.4 | 1990.6 | 1976.9 | 1959.1 | 1951.7 | 1944.3 |
| 32.5° | 1946.5 | 1922.3 | 1903.4 | 1888.7 | 1876.1 | 1865.6 | 1856.1 | 1834.1 | 1830.9 | 1812.0 | 1809.9 |
| 35° | 1782.6 | 1772.1 | 1754.2 | 1741.6 | 1731.1 | 1723.8 | 1708.0 | 1697.5 | 1685.9 | 1682.8 | 1675.4 |
| 37.5° | 1628.2 | 1615.6 | 1598.8 | 1587.2 | 1579.8 | 1578.8 | 1567.2 | 1560.9 | 1552.5 | 1548.3 | 1539.9 |
| 40° | 1466.4 | 1461.2 | 1446.4 | 1444.3 | 1432.8 | 1431.7 | 1425.4 | 1418.1 | 1410.7 | 1410.7 | 1411.8 |
| 42.5° | 1317.2 | 1310.9 | 1304.6 | 1297.3 | 1291.0 | 1291.0 | 1287.8 | 1285.7 | 1283.6 | 1280.5 | 1285.7 |
| 45° | 1177.5 | 1169.1 | 1164.9 | 1157.6 | 1160.7 | 1154.4 | 1152.3 | 1152.3 | 1149.2 | 1148.1 | 1155.5 |
| 47.5° | 1047.3 | 1037.8 | 1033.6 | 1031.5 | 1031.5 | 1032.6 | 1023.1 | 1026.3 | 1025.2 | 1027.3 | 1030.5 |
| 50° | 928.6 | 920.2 | 913.9 | 913.9 | 914.9 | 910.7 | 906.5 | 909.7 | 906.5 | 908.6 | 916.0 |
| 52.5° | 818.3 | 809.9 | 806.7 | 806.7 | 800.4 | 799.4 | 801.5 | 797.3 | 798.3 | 799.4 | 803.6 |
| 55° | 716.4 | 711.1 | 705.9 | 700.6 | 701.7 | 699.6 | 695.4 | 694.3 | 696.4 | 697.5 | 702.7 |
| 57.5° | 625.0 | 617.7 | 610.3 | 608.2 | 606.1 | 606.1 | 600.8 | 599.8 | 601.9 | 596.6 | 596.6 |
| 60° | 537.8 | 533.6 | 524.2 | 521.0 | 521.0 | 515.8 | 511.6 | 513.7 | 508.4 | 507.4 | 508.4 |
| 62.5° | 456.9 | 453.8 | 447.5 | 441.2 | 439.1 | 437.0 | 431.7 | 429.6 | 427.5 | 423.3 | 417.0 |
| 65° | 386.6 | 379.2 | 371.9 | 367.7 | 364.5 | 359.2 | 356.1 | 351.9 | 345.6 | 343.5 | 337.2 |
| 67.5° | 316.2 | 308.8 | 301.5 | 298.3 | 295.2 | 292.0 | 286.8 | 281.5 | 274.2 | 265.8 | 258.4 |
| 70° | 254.2 | 244.8 | 240.5 | 232.1 | 230.0 | 225.8 | 218.5 | 213.2 | 205.9 | 196.4 | 189.1 |
| 72.5° | 194.3 | 188.0 | 181.7 | 174.4 | 169.1 | 166.0 | 159.7 | 151.3 | 142.9 | 137.6 | 130.3 |
| 75° | 139.7 | 136.6 | 128.2 | 119.7 | 117.6 | 113.4 | 106.1 | 100.8 | 94.5 | 86.1 | 79.8 |
| 77.5° | 94.5 | 88.2 | 83.0 | 75.6 | 73.5 | 69.3 | 65.1 | 59.9 | 55.7 | 50.4 | 46.2 |
| 80° | 55.7 | 50.4 | 47.3 | 42.0 | 39.9 | 37.8 | 34.7 | 30.5 | 27.3 | 25.2 | 24.2 |
| 82.5° | 27.3 | 23.1 | 22.1 | 18.9 | 17.9 | 16.8 | 14.7 | 13.7 | 11.6 | 11.6 | 11.6 |
| 85° | 9.5 | 7.4 | 7.4 | 6.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 87.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 2.1 | 1.1 |
| 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: P859437

CATALOG NUMBER: LX4C70D010 EX4C709027 4LBLWWH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 |
| 2.5° | 2720.6 | 2719.6 | 2718.5 | 2717.5 | 2717.5 | 2716.4 | 2716.4 | 2715.4 | 2715.4 | 2714.3 | 2714.3 |
| 5° | 2701.7 | 2698.6 | 2696.5 | 2694.4 | 2694.4 | 2691.2 | 2689.1 | 2687.0 | 2686.0 | 2686.0 | 2683.9 |
| 7.5° | 2675.5 | 2671.2 | 2667.0 | 2663.9 | 2662.8 | 2657.6 | 2653.4 | 2653.4 | 2649.2 | 2647.1 | 2645.0 |
| 10° | 2640.8 | 2633.4 | 2627.1 | 2624.0 | 2619.8 | 2616.6 | 2611.4 | 2608.2 | 2605.1 | 2599.8 | 2598.8 |
| 12.5° | 2593.5 | 2588.3 | 2578.8 | 2574.6 | 2572.5 | 2566.2 | 2557.8 | 2553.6 | 2552.6 | 2548.3 | 2545.2 |
| 15° | 2539.9 | 2528.4 | 2520.0 | 2514.7 | 2514.7 | 2504.2 | 2500.0 | 2493.7 | 2489.5 | 2486.4 | 2485.3 |
| 17.5° | 2470.6 | 2459.1 | 2450.7 | 2443.3 | 2441.2 | 2432.8 | 2426.5 | 2424.4 | 2419.1 | 2421.2 | 2416.0 |
| 20° | 2381.3 | 2371.9 | 2365.6 | 2356.1 | 2356.1 | 2350.9 | 2348.8 | 2343.5 | 2341.4 | 2339.3 | 2341.4 |
| 22.5° | 2285.7 | 2274.2 | 2263.7 | 2262.6 | 2262.6 | 2255.3 | 2254.2 | 2253.2 | 2249.0 | 2252.1 | 2251.1 |
| 25° | 2173.3 | 2164.9 | 2158.6 | 2157.6 | 2157.6 | 2153.4 | 2149.2 | 2151.3 | 2154.4 | 2153.4 | 2156.5 |
| 27.5° | 2056.7 | 2048.3 | 2046.2 | 2045.2 | 2043.1 | 2042.0 | 2044.1 | 2044.1 | 2047.3 | 2051.5 | 2055.7 |
| 30° | 1930.7 | 1928.6 | 1925.4 | 1924.4 | 1922.3 | 1927.5 | 1929.6 | 1932.8 | 1931.7 | 1938.0 | 1942.2 |
| 32.5° | 1804.6 | 1800.4 | 1799.4 | 1801.5 | 1804.6 | 1803.6 | 1809.9 | 1812.0 | 1814.1 | 1821.4 | 1824.6 |
| 35° | 1677.5 | 1676.5 | 1674.4 | 1674.4 | 1675.4 | 1683.8 | 1683.8 | 1691.2 | 1695.4 | 1697.5 | 1705.9 |
| 37.5° | 1541.0 | 1545.2 | 1547.3 | 1550.4 | 1551.5 | 1554.6 | 1556.7 | 1564.1 | 1568.3 | 1572.5 | 1576.7 |
| 40° | 1416.0 | 1413.9 | 1423.3 | 1417.0 | 1419.1 | 1428.6 | 1432.8 | 1431.7 | 1438.0 | 1444.3 | 1448.5 |
| 42.5° | 1282.6 | 1285.7 | 1287.8 | 1289.9 | 1295.2 | 1296.2 | 1301.5 | 1308.8 | 1310.9 | 1318.3 | 1320.4 |
| 45° | 1153.4 | 1154.4 | 1158.6 | 1162.8 | 1166.0 | 1174.4 | 1176.5 | 1179.6 | 1185.9 | 1185.9 | 1189.1 |
| 47.5° | 1031.5 | 1035.7 | 1035.7 | 1042.0 | 1047.3 | 1046.2 | 1053.6 | 1055.7 | 1054.6 | 1059.9 | 1062.0 |
| 50° | 914.9 | 921.2 | 920.2 | 924.4 | 926.5 | 927.5 | 933.8 | 935.9 | 931.7 | 937.0 | 938.0 |
| 52.5° | 803.6 | 806.7 | 810.9 | 812.0 | 809.9 | 815.1 | 813.0 | 817.2 | 816.2 | 820.4 | 816.2 |
| 55° | 701.7 | 700.6 | 700.6 | 702.7 | 700.6 | 702.7 | 704.8 | 700.6 | 697.5 | 701.7 | 700.6 |
| 57.5° | 599.8 | 599.8 | 597.7 | 600.8 | 597.7 | 594.5 | 593.5 | 590.3 | 587.2 | 587.2 | 586.1 |
| 60° | 504.2 | 502.1 | 497.9 | 496.9 | 496.9 | 491.6 | 489.5 | 485.3 | 485.3 | 481.1 | 476.9 |
| 62.5° | 414.9 | 409.7 | 406.5 | 406.5 | 404.4 | 399.2 | 389.7 | 383.4 | 381.3 | 375.0 | 374.0 |
| 65° | 330.9 | 325.6 | 322.5 | 316.2 | 310.9 | 308.8 | 299.4 | 292.0 | 288.9 | 282.6 | 283.6 |
| 67.5° | 254.2 | 245.8 | 236.3 | 232.1 | 229.0 | 221.6 | 218.5 | 213.2 | 210.1 | 210.1 | 210.1 |
| 70° | 182.8 | 175.4 | 166.0 | 162.8 | 160.7 | 154.4 | 151.3 | 150.2 | 153.4 | 152.3 | 153.4 |
| 72.5° | 122.9 | 115.5 | 111.3 | 109.2 | 107.1 | 104.0 | 106.1 | 107.1 | 105.0 | 106.1 | 107.1 |
| 75° | 74.6 | 72.5 | 69.3 | 68.3 | 68.3 | 69.3 | 68.3 | 68.3 | 69.3 | 69.3 | 70.4 |
| 77.5° | 43.1 | 41.0 | 41.0 | 39.9 | 42.0 | 41.0 | 41.0 | 41.0 | 42.0 | 42.0 | 42.0 |
| 80° | 23.1 | 23.1 | 23.1 | 23.1 | 24.2 | 23.1 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 |
| 82.5° | 11.6 | 11.6 | 11.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 11.6 |
| 85° | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 87.5° | 1.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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: P859437

CATALOG NUMBER: LX4C70D010 EX4C709027 4LBLWWH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 | 2731.1 |
| 2.5° | 2712.2 | 2712.2 | 2712.2 | 2710.1 | 2711.2 | 2711.2 | 2710.1 | 2710.1 |
| 5° | 2682.8 | 2681.8 | 2679.7 | 2679.7 | 2677.6 | 2679.7 | 2678.6 | 2679.7 |
| 7.5° | 2642.9 | 2642.9 | 2639.7 | 2639.7 | 2638.7 | 2637.6 | 2636.6 | 2637.6 |
| 10° | 2595.6 | 2595.6 | 2593.5 | 2592.5 | 2593.5 | 2589.3 | 2589.3 | 2588.3 |
| 12.5° | 2543.1 | 2541.0 | 2538.9 | 2539.9 | 2538.9 | 2535.7 | 2534.7 | 2535.7 |
| 15° | 2482.2 | 2479.0 | 2480.1 | 2476.9 | 2476.9 | 2475.9 | 2478.0 | 2478.0 |
| 17.5° | 2414.9 | 2412.8 | 2410.7 | 2411.8 | 2409.7 | 2410.7 | 2409.7 | 2408.6 |
| 20° | 2340.4 | 2339.3 | 2339.3 | 2335.1 | 2336.2 | 2335.1 | 2336.2 | 2339.3 |
| 22.5° | 2254.2 | 2253.2 | 2254.2 | 2251.1 | 2253.2 | 2253.2 | 2256.3 | 2256.3 |
| 25° | 2159.7 | 2158.6 | 2160.7 | 2161.8 | 2162.8 | 2166.0 | 2162.8 | 2163.9 |
| 27.5° | 2054.6 | 2057.8 | 2060.9 | 2062.0 | 2066.2 | 2063.0 | 2060.9 | 2064.1 |
| 30° | 1948.6 | 1948.6 | 1947.5 | 1951.7 | 1954.9 | 1958.0 | 1952.8 | 1952.8 |
| 32.5° | 1826.7 | 1832.0 | 1832.0 | 1833.0 | 1836.2 | 1836.2 | 1836.2 | 1840.4 |
| 35° | 1710.1 | 1713.3 | 1714.3 | 1710.1 | 1712.2 | 1711.2 | 1718.5 | 1718.5 |
| 37.5° | 1579.8 | 1579.8 | 1580.9 | 1588.3 | 1588.3 | 1585.1 | 1587.2 | 1587.2 |
| 40° | 1455.9 | 1456.9 | 1452.7 | 1454.8 | 1460.1 | 1458.0 | 1460.1 | 1462.2 |
| 42.5° | 1320.4 | 1327.7 | 1323.5 | 1325.6 | 1324.6 | 1325.6 | 1326.7 | 1326.7 |
| 45° | 1191.2 | 1193.3 | 1193.3 | 1194.3 | 1196.4 | 1198.5 | 1192.2 | 1191.2 |
| 47.5° | 1065.1 | 1066.2 | 1069.3 | 1064.1 | 1070.4 | 1064.1 | 1070.4 | 1063.0 |
| 50° | 938.0 | 942.2 | 939.1 | 941.2 | 938.0 | 938.0 | 937.0 | 935.9 |
| 52.5° | 817.2 | 816.2 | 816.2 | 815.1 | 815.1 | 817.2 | 815.1 | 818.3 |
| 55° | 696.4 | 697.5 | 695.4 | 694.3 | 693.3 | 696.4 | 693.3 | 691.2 |
| 57.5° | 581.9 | 584.0 | 579.8 | 581.9 | 574.6 | 577.7 | 578.8 | 579.8 |
| 60° | 475.8 | 472.7 | 472.7 | 468.5 | 468.5 | 471.6 | 467.4 | 467.4 |
| 62.5° | 368.7 | 370.8 | 367.7 | 371.9 | 371.9 | 376.1 | 374.0 | 376.1 |
| 65° | 282.6 | 283.6 | 284.7 | 284.7 | 284.7 | 291.0 | 288.9 | 285.7 |
| 67.5° | 213.2 | 214.3 | 215.3 | 214.3 | 217.4 | 215.3 | 215.3 | 216.4 |
| 70° | 154.4 | 155.5 | 156.5 | 156.5 | 155.5 | 156.5 | 156.5 | 156.5 |
| 72.5° | 107.1 | 108.2 | 107.1 | 108.2 | 109.2 | 108.2 | 108.2 | 109.2 |
| 75° | 70.4 | 70.4 | 69.3 | 69.3 | 69.3 | 69.3 | 70.4 | 69.3 |
| 77.5° | 41.0 | 42.0 | 41.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| 80° | 24.2 | 24.2 | 24.2 | 23.1 | 24.2 | 24.2 | 24.2 | 23.1 |
| 82.5° | 12.6 | 12.6 | 11.6 | 11.6 | 12.6 | 12.6 | 12.6 | 12.6 |
| 85° | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 87.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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)