

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: P859161

Luminaire Tested: **LX4C55D010 EX4C559727 4LBLWW\***

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859161  
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: LX4C55D010 EX4C559727 4LBLWW\*  
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 97CRI LEDS  
AND 4LRLWW TRIM WITH \* FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

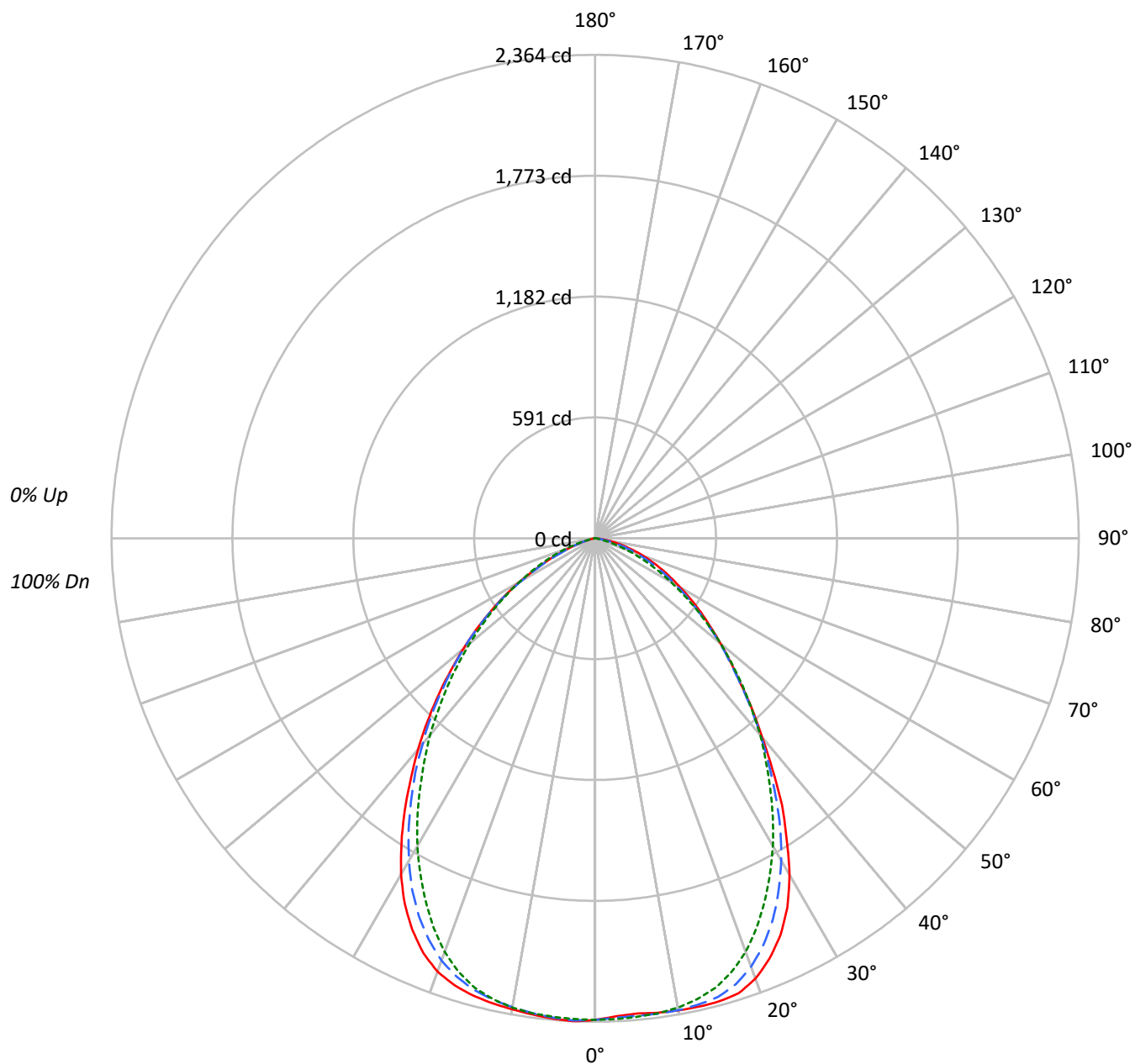
Lumens per Lamp: N/A  
Luminaire Lumens: 4515.0 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 63.9  
Input Voltage (V):  
Input Current (Ain): 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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| 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°  | 289320 | 289320 | 289320 |
| 5°  | 287700 | 289660 | 290758 |
| 10° | 292461 | 290702 | 291800 |
| 15° | 298178 | 289402 | 294248 |
| 20° | 299678 | 281296 | 294709 |
| 25° | 290465 | 265645 | 286507 |
| 30° | 269603 | 246508 | 269092 |
| 35° | 238732 | 223615 | 243247 |
| 40° | 203514 | 201397 | 215719 |
| 45° | 174853 | 176851 | 187918 |
| 50° | 152633 | 152958 | 161081 |
| 55° | 134874 | 129177 | 133547 |
| 60° | 118210 | 105384 | 104941 |
| 65° | 104622 | 81744  | 72761  |
| 70° | 89261  | 56215  | 43212  |
| 75° | 72197  | 30236  | 19746  |
| 80° | 49453  | 7499   | 5023   |
| 85° | 14942  | 2537   | 2537   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 223.8  | 5.0       |
| 10°-20°   | 647.9  | 14.4      |
| 20°-30°   | 936.2  | 20.7      |
| 30°-40°   | 967.8  | 21.4      |
| 40°-50°   | 799.7  | 17.7      |
| 50°-60°   | 551.9  | 12.2      |
| 60°-70°   | 288.9  | 6.4       |
| 70°-80°   | 91.0   | 2.0       |
| 80°-90°   | 7.7    | 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°    | 1807.9 | 40.0      |
| 0°-40°    | 2775.8 | 61.5      |
| 0°-60°    | 4127.4 | 91.4      |
| 0°-90°    | 4515.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4515.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2355 | 2355 | 2355 | 2355 | 2355 |      |
| 5°  | 2333 | 2344 | 2349 | 2353 | 2358 | 223  |
| 15° | 2344 | 2322 | 2275 | 2286 | 2314 | 661  |
| 25° | 2143 | 2056 | 1960 | 2038 | 2114 | 978  |
| 35° | 1592 | 1539 | 1491 | 1569 | 1622 | 988  |
| 45° | 1006 | 1002 | 1018 | 1065 | 1082 | 785  |
| 55° | 630  | 610  | 603  | 620  | 624  | 566  |
| 65° | 360  | 326  | 281  | 234  | 250  | 357  |
| 75° | 152  | 119  | 64   | 43   | 42   | 163  |
| 85° | 11   | 5    | 2    | 2    | 2    | 22   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 |
| 2.5°  | 2340.0 | 2340.9 | 2340.9 | 2342.6 | 2342.6 | 2342.6 | 2343.5 | 2343.5 | 2344.4 | 2345.3 | 2346.2 |
| 5°    | 2332.9 | 2332.9 | 2334.7 | 2335.6 | 2337.3 | 2338.2 | 2340.0 | 2340.9 | 2342.6 | 2343.5 | 2344.4 |
| 7.5°  | 2340.0 | 2340.0 | 2340.9 | 2341.8 | 2341.8 | 2342.6 | 2342.6 | 2343.5 | 2344.4 | 2345.3 | 2345.3 |
| 10°   | 2344.4 | 2344.4 | 2344.4 | 2344.4 | 2345.3 | 2345.3 | 2345.3 | 2344.4 | 2344.4 | 2344.4 | 2343.5 |
| 12.5° | 2346.2 | 2346.2 | 2345.3 | 2344.4 | 2345.3 | 2344.4 | 2344.4 | 2341.8 | 2340.0 | 2338.2 | 2335.6 |
| 15°   | 2344.4 | 2344.4 | 2343.5 | 2342.6 | 2341.8 | 2340.0 | 2339.1 | 2334.7 | 2331.1 | 2325.8 | 2322.3 |
| 17.5° | 2332.9 | 2331.1 | 2329.4 | 2327.6 | 2324.1 | 2321.4 | 2319.6 | 2311.7 | 2305.5 | 2296.6 | 2286.9 |
| 20°   | 2292.2 | 2290.5 | 2287.8 | 2283.4 | 2279.0 | 2275.4 | 2270.1 | 2258.6 | 2252.4 | 2239.2 | 2229.4 |
| 22.5° | 2225.9 | 2224.1 | 2225.0 | 2217.1 | 2208.2 | 2202.9 | 2199.4 | 2189.6 | 2179.0 | 2162.2 | 2151.6 |
| 25°   | 2142.8 | 2137.5 | 2137.5 | 2125.1 | 2120.7 | 2117.1 | 2112.7 | 2101.2 | 2085.3 | 2070.3 | 2056.1 |
| 27.5° | 2034.9 | 2027.8 | 2024.3 | 2022.5 | 2011.9 | 2003.9 | 1997.7 | 1988.9 | 1975.6 | 1962.4 | 1942.9 |
| 30°   | 1900.5 | 1899.6 | 1895.2 | 1887.2 | 1879.2 | 1875.7 | 1868.6 | 1853.6 | 1841.2 | 1831.5 | 1819.1 |
| 32.5° | 1742.2 | 1741.3 | 1741.3 | 1741.3 | 1736.0 | 1735.1 | 1724.5 | 1716.5 | 1706.8 | 1691.8 | 1683.8 |
| 35°   | 1591.8 | 1590.9 | 1591.8 | 1578.6 | 1575.0 | 1572.4 | 1571.5 | 1566.2 | 1552.9 | 1545.8 | 1538.8 |
| 37.5° | 1422.0 | 1424.7 | 1422.9 | 1419.4 | 1423.8 | 1415.8 | 1422.0 | 1410.5 | 1405.2 | 1403.5 | 1395.5 |
| 40°   | 1269.0 | 1276.1 | 1269.0 | 1269.9 | 1274.3 | 1266.4 | 1266.4 | 1264.6 | 1261.1 | 1259.3 | 1257.5 |
| 42.5° | 1138.2 | 1129.3 | 1134.6 | 1130.2 | 1134.6 | 1132.0 | 1127.5 | 1130.2 | 1131.1 | 1127.5 | 1126.7 |
| 45°   | 1006.4 | 1008.2 | 1009.9 | 1007.3 | 1007.3 | 1004.6 | 1011.7 | 1007.3 | 1007.3 | 1008.2 | 1002.0 |
| 47.5° | 899.4  | 896.7  | 898.5  | 896.7  | 897.6  | 895.8  | 897.6  | 898.5  | 896.7  | 896.7  | 891.4  |
| 50°   | 798.6  | 796.8  | 803.0  | 797.7  | 797.7  | 796.8  | 797.7  | 795.9  | 793.3  | 793.3  | 795.0  |
| 52.5° | 711.0  | 707.5  | 706.6  | 711.0  | 704.8  | 704.8  | 705.7  | 703.9  | 700.4  | 698.6  | 694.2  |
| 55°   | 629.7  | 628.8  | 629.7  | 626.1  | 624.3  | 624.3  | 619.9  | 618.2  | 617.3  | 612.9  | 610.2  |
| 57.5° | 553.6  | 550.9  | 551.8  | 550.9  | 547.4  | 546.5  | 543.0  | 543.0  | 539.5  | 535.9  | 531.5  |
| 60°   | 481.1  | 481.1  | 483.7  | 480.2  | 477.5  | 475.8  | 474.0  | 472.2  | 466.1  | 459.9  | 454.6  |
| 62.5° | 416.5  | 417.4  | 416.5  | 413.9  | 412.1  | 410.3  | 408.6  | 403.3  | 398.0  | 394.4  | 388.2  |
| 65°   | 359.9  | 359.0  | 356.4  | 354.6  | 350.2  | 350.2  | 346.7  | 344.0  | 337.8  | 332.5  | 326.3  |
| 67.5° | 301.6  | 299.8  | 299.8  | 299.8  | 294.5  | 293.6  | 291.8  | 286.5  | 281.2  | 274.1  | 268.8  |
| 70°   | 248.5  | 250.3  | 247.6  | 245.0  | 242.3  | 241.4  | 238.8  | 233.5  | 227.3  | 220.2  | 215.8  |
| 72.5° | 198.1  | 199.9  | 197.2  | 196.3  | 191.0  | 189.3  | 188.4  | 183.9  | 176.9  | 172.4  | 165.4  |
| 75°   | 152.1  | 153.0  | 151.2  | 149.5  | 145.9  | 145.0  | 140.6  | 137.1  | 132.7  | 125.6  | 119.4  |
| 77.5° | 109.7  | 107.9  | 107.9  | 104.4  | 100.8  | 100.8  | 99.9   | 94.6   | 88.4   | 83.1   | 77.8   |
| 80°   | 69.9   | 69.0   | 66.3   | 64.6   | 61.9   | 61.0   | 60.1   | 55.7   | 51.3   | 47.8   | 44.2   |
| 82.5° | 35.4   | 34.5   | 33.6   | 32.7   | 31.0   | 29.2   | 30.1   | 26.5   | 24.8   | 21.2   | 18.6   |
| 85°   | 10.6   | 11.5   | 11.5   | 10.6   | 9.7    | 9.7    | 9.7    | 8.8    | 7.1    | 6.2    | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 |
| 2.5°  | 2347.1 | 2347.9 | 2348.8 | 2349.7 | 2349.7 | 2350.6 | 2351.5 | 2352.4 | 2353.2 | 2353.2 | 2354.1 |
| 5°    | 2345.3 | 2347.1 | 2347.1 | 2347.9 | 2347.9 | 2347.9 | 2348.8 | 2348.8 | 2348.8 | 2348.8 | 2349.7 |
| 7.5°  | 2346.2 | 2346.2 | 2346.2 | 2345.3 | 2345.3 | 2344.4 | 2344.4 | 2344.4 | 2342.6 | 2342.6 | 2342.6 |
| 10°   | 2341.8 | 2340.9 | 2340.0 | 2338.2 | 2337.3 | 2336.4 | 2334.7 | 2332.9 | 2331.1 | 2330.3 | 2328.5 |
| 12.5° | 2332.9 | 2329.4 | 2325.8 | 2322.3 | 2320.5 | 2319.6 | 2316.1 | 2313.5 | 2310.8 | 2308.1 | 2306.4 |
| 15°   | 2315.2 | 2309.9 | 2303.7 | 2296.6 | 2294.9 | 2293.1 | 2286.9 | 2281.6 | 2278.1 | 2275.4 | 2271.0 |
| 17.5° | 2279.8 | 2269.2 | 2262.2 | 2251.5 | 2247.1 | 2245.4 | 2235.6 | 2230.3 | 2224.1 | 2222.4 | 2218.8 |
| 20°   | 2217.1 | 2207.3 | 2194.1 | 2184.3 | 2179.0 | 2173.7 | 2165.8 | 2158.7 | 2151.6 | 2151.6 | 2147.2 |
| 22.5° | 2138.4 | 2126.0 | 2109.2 | 2096.8 | 2095.9 | 2085.3 | 2078.2 | 2070.3 | 2067.6 | 2062.3 | 2062.3 |
| 25°   | 2039.3 | 2028.7 | 2010.1 | 1999.5 | 1994.2 | 1991.6 | 1980.1 | 1969.4 | 1964.1 | 1959.7 | 1963.3 |
| 27.5° | 1929.6 | 1913.7 | 1899.6 | 1886.3 | 1881.9 | 1876.6 | 1866.0 | 1861.6 | 1851.8 | 1850.9 | 1850.1 |
| 30°   | 1804.1 | 1788.2 | 1774.0 | 1767.8 | 1759.0 | 1754.5 | 1746.6 | 1741.3 | 1737.7 | 1737.7 | 1736.0 |
| 32.5° | 1672.3 | 1658.2 | 1651.1 | 1637.8 | 1633.4 | 1627.2 | 1621.9 | 1616.6 | 1618.4 | 1616.6 | 1617.5 |
| 35°   | 1529.9 | 1526.4 | 1513.1 | 1505.2 | 1505.2 | 1504.3 | 1495.4 | 1491.9 | 1490.1 | 1491.0 | 1495.4 |
| 37.5° | 1394.6 | 1384.0 | 1375.2 | 1369.9 | 1374.3 | 1369.0 | 1368.1 | 1368.1 | 1373.4 | 1369.9 | 1376.9 |
| 40°   | 1250.5 | 1249.6 | 1246.0 | 1247.8 | 1248.7 | 1242.5 | 1244.3 | 1245.2 | 1248.7 | 1255.8 | 1256.7 |
| 42.5° | 1124.9 | 1124.0 | 1124.0 | 1124.0 | 1122.2 | 1118.7 | 1122.2 | 1128.4 | 1127.5 | 1132.8 | 1137.3 |
| 45°   | 1003.7 | 1002.0 | 1005.5 | 1002.8 | 1008.2 | 1009.9 | 1007.3 | 1009.0 | 1014.3 | 1017.9 | 1025.0 |
| 47.5° | 893.2  | 893.2  | 894.1  | 895.8  | 890.5  | 895.0  | 896.7  | 900.3  | 902.9  | 904.7  | 908.2  |
| 50°   | 790.6  | 790.6  | 788.8  | 788.8  | 788.8  | 791.5  | 788.0  | 792.4  | 793.3  | 800.3  | 804.8  |
| 52.5° | 696.0  | 691.6  | 694.2  | 692.4  | 688.9  | 687.1  | 688.9  | 689.8  | 695.1  | 696.9  | 702.2  |
| 55°   | 605.8  | 605.8  | 598.7  | 596.9  | 599.6  | 598.7  | 597.8  | 597.8  | 600.5  | 603.1  | 607.5  |
| 57.5° | 526.2  | 520.9  | 515.6  | 514.7  | 512.0  | 512.9  | 512.9  | 512.0  | 510.3  | 511.2  | 512.0  |
| 60°   | 451.0  | 447.5  | 439.5  | 439.5  | 438.6  | 437.8  | 433.3  | 432.4  | 428.0  | 428.9  | 425.4  |
| 62.5° | 382.0  | 380.3  | 369.7  | 366.1  | 366.1  | 363.5  | 359.0  | 358.2  | 352.0  | 352.0  | 348.4  |
| 65°   | 320.1  | 314.8  | 308.6  | 302.4  | 302.4  | 298.9  | 296.3  | 288.3  | 283.9  | 281.2  | 275.9  |
| 67.5° | 263.5  | 255.6  | 249.4  | 244.1  | 240.5  | 239.7  | 233.5  | 228.2  | 221.1  | 216.7  | 208.7  |
| 70°   | 208.7  | 202.5  | 196.3  | 191.0  | 187.5  | 183.9  | 177.8  | 169.8  | 164.5  | 156.5  | 151.2  |
| 72.5° | 157.4  | 152.1  | 146.8  | 139.7  | 135.3  | 132.7  | 126.5  | 119.4  | 110.5  | 105.2  | 98.2   |
| 75°   | 113.2  | 107.0  | 99.9   | 93.7   | 91.1   | 88.4   | 81.4   | 76.1   | 69.9   | 63.7   | 56.6   |
| 77.5° | 73.4   | 66.3   | 61.0   | 53.9   | 53.1   | 51.3   | 44.2   | 38.9   | 34.5   | 31.0   | 26.5   |
| 80°   | 38.9   | 35.4   | 31.0   | 26.5   | 24.8   | 22.1   | 18.6   | 15.9   | 13.3   | 10.6   | 8.8    |
| 82.5° | 16.8   | 14.1   | 11.5   | 9.7    | 8.8    | 8.0    | 6.2    | 5.3    | 4.4    | 4.4    | 3.5    |
| 85°   | 4.4    | 3.5    | 3.5    | 2.7    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    | 0.9    | 0.9    | 0.0    | 0.9    | 0.9    | 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):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 |
| 2.5°  | 2355.0 | 2355.9 | 2356.8 | 2356.8 | 2357.7 | 2358.6 | 2358.6 | 2359.4 | 2360.3 | 2361.2 | 2361.2 |
| 5°    | 2350.6 | 2350.6 | 2350.6 | 2351.5 | 2351.5 | 2351.5 | 2351.5 | 2353.2 | 2353.2 | 2354.1 | 2355.0 |
| 7.5°  | 2341.8 | 2341.8 | 2341.8 | 2341.8 | 2340.9 | 2341.8 | 2340.9 | 2340.9 | 2342.6 | 2343.5 | 2344.4 |
| 10°   | 2327.6 | 2326.7 | 2326.7 | 2325.8 | 2325.8 | 2325.8 | 2326.7 | 2327.6 | 2328.5 | 2329.4 | 2332.0 |
| 12.5° | 2305.5 | 2304.6 | 2304.6 | 2303.7 | 2303.7 | 2304.6 | 2305.5 | 2307.3 | 2310.8 | 2312.6 | 2316.1 |
| 15°   | 2270.1 | 2269.2 | 2270.1 | 2271.0 | 2272.8 | 2275.4 | 2278.1 | 2280.7 | 2286.0 | 2290.5 | 2294.9 |
| 17.5° | 2218.8 | 2219.7 | 2220.6 | 2222.4 | 2225.0 | 2228.6 | 2235.6 | 2242.7 | 2248.9 | 2256.0 | 2263.0 |
| 20°   | 2148.1 | 2151.6 | 2152.5 | 2158.7 | 2160.5 | 2168.4 | 2176.4 | 2187.0 | 2196.7 | 2205.6 | 2215.3 |
| 22.5° | 2063.2 | 2065.8 | 2069.4 | 2076.4 | 2080.9 | 2091.5 | 2101.2 | 2113.6 | 2124.2 | 2135.7 | 2149.8 |
| 25°   | 1966.8 | 1967.7 | 1978.3 | 1978.3 | 1988.9 | 1997.7 | 2009.2 | 2022.5 | 2038.4 | 2053.5 | 2063.2 |
| 27.5° | 1857.1 | 1861.6 | 1869.5 | 1873.0 | 1881.0 | 1895.2 | 1904.9 | 1920.8 | 1936.7 | 1950.0 | 1960.6 |
| 30°   | 1742.2 | 1745.7 | 1759.0 | 1760.7 | 1766.9 | 1779.3 | 1792.6 | 1807.6 | 1820.0 | 1835.0 | 1844.7 |
| 32.5° | 1621.0 | 1630.7 | 1638.7 | 1644.9 | 1646.7 | 1665.2 | 1672.3 | 1682.9 | 1697.1 | 1712.1 | 1721.8 |
| 35°   | 1503.4 | 1507.8 | 1519.3 | 1522.8 | 1528.2 | 1538.8 | 1552.9 | 1561.8 | 1568.8 | 1578.6 | 1590.1 |
| 37.5° | 1378.7 | 1392.0 | 1394.6 | 1405.2 | 1407.0 | 1416.7 | 1423.8 | 1434.4 | 1443.3 | 1452.1 | 1453.9 |
| 40°   | 1262.8 | 1267.3 | 1277.0 | 1279.7 | 1281.4 | 1294.7 | 1303.5 | 1306.2 | 1310.6 | 1318.6 | 1329.2 |
| 42.5° | 1145.2 | 1149.7 | 1160.3 | 1157.6 | 1165.6 | 1171.8 | 1176.2 | 1186.8 | 1191.2 | 1193.9 | 1193.9 |
| 45°   | 1029.4 | 1031.1 | 1038.2 | 1041.8 | 1046.2 | 1049.7 | 1057.7 | 1063.0 | 1064.8 | 1072.7 | 1075.4 |
| 47.5° | 918.8  | 920.6  | 925.9  | 932.1  | 930.3  | 934.8  | 943.6  | 946.3  | 947.1  | 952.4  | 955.1  |
| 50°   | 810.1  | 814.5  | 821.6  | 819.8  | 825.1  | 827.7  | 835.7  | 837.5  | 837.5  | 838.4  | 839.2  |
| 52.5° | 708.4  | 711.9  | 713.7  | 715.4  | 718.1  | 722.5  | 726.0  | 724.3  | 727.8  | 731.4  | 728.7  |
| 55°   | 607.5  | 610.2  | 614.6  | 616.4  | 616.4  | 617.3  | 615.5  | 623.5  | 619.9  | 619.0  | 619.9  |
| 57.5° | 515.6  | 512.0  | 511.2  | 515.6  | 517.3  | 516.5  | 513.8  | 517.3  | 517.3  | 515.6  | 512.9  |
| 60°   | 426.3  | 423.6  | 422.7  | 423.6  | 420.1  | 417.4  | 419.2  | 417.4  | 413.0  | 411.2  | 412.1  |
| 62.5° | 344.9  | 342.2  | 335.2  | 335.2  | 333.4  | 332.5  | 325.4  | 326.3  | 322.8  | 317.5  | 319.2  |
| 65°   | 269.7  | 262.7  | 259.1  | 258.2  | 252.0  | 246.7  | 245.0  | 238.8  | 233.5  | 232.6  | 233.5  |
| 67.5° | 202.5  | 194.6  | 188.4  | 185.7  | 182.2  | 177.8  | 171.6  | 166.3  | 168.0  | 167.1  | 170.7  |
| 70°   | 140.6  | 135.3  | 129.1  | 124.7  | 126.5  | 121.2  | 117.6  | 117.6  | 118.5  | 119.4  | 121.2  |
| 72.5° | 93.7   | 86.7   | 84.0   | 81.4   | 79.6   | 76.1   | 77.8   | 77.8   | 76.9   | 77.8   | 76.1   |
| 75°   | 53.1   | 49.5   | 46.9   | 46.0   | 44.2   | 44.2   | 44.2   | 44.2   | 43.3   | 42.4   | 42.4   |
| 77.5° | 23.9   | 22.1   | 21.2   | 20.3   | 20.3   | 20.3   | 19.5   | 18.6   | 18.6   | 18.6   | 17.7   |
| 80°   | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    |
| 82.5° | 3.5    | 3.5    | 4.4    | 4.4    | 4.4    | 3.5    | 4.4    | 4.4    | 3.5    | 3.5    | 4.4    |
| 85°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 87.5° | 0.9    | 0.9    | 0.9    | 0.0    | 0.9    | 0.9    | 0.9    | 0.9    | 0.0    | 0.9    | 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: P859161

CATALOG NUMBER: LX4C55D010 EX4C559727 4LBLWW\*

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 | 2355.0 |
| 2.5°  | 2362.1 | 2363.0 | 2363.0 | 2363.0 | 2363.9 | 2363.9 | 2363.9 | 2363.9 |
| 5°    | 2355.9 | 2356.8 | 2356.8 | 2356.8 | 2357.7 | 2357.7 | 2357.7 | 2357.7 |
| 7.5°  | 2345.3 | 2346.2 | 2346.2 | 2347.1 | 2347.1 | 2347.9 | 2347.9 | 2348.8 |
| 10°   | 2332.9 | 2334.7 | 2335.6 | 2336.4 | 2337.3 | 2338.2 | 2338.2 | 2339.1 |
| 12.5° | 2319.6 | 2321.4 | 2322.3 | 2324.1 | 2325.8 | 2326.7 | 2327.6 | 2328.5 |
| 15°   | 2300.2 | 2303.7 | 2305.5 | 2306.4 | 2309.9 | 2311.7 | 2312.6 | 2313.5 |
| 17.5° | 2269.2 | 2276.3 | 2279.0 | 2280.7 | 2284.3 | 2287.8 | 2290.5 | 2291.3 |
| 20°   | 2225.0 | 2233.0 | 2236.5 | 2240.9 | 2246.2 | 2250.7 | 2252.4 | 2254.2 |
| 22.5° | 2163.1 | 2172.0 | 2177.3 | 2182.6 | 2187.0 | 2191.4 | 2198.5 | 2195.8 |
| 25°   | 2074.7 | 2089.7 | 2095.9 | 2098.6 | 2108.3 | 2113.6 | 2117.1 | 2113.6 |
| 27.5° | 1975.6 | 1984.5 | 1989.8 | 1996.0 | 2003.0 | 2008.4 | 2010.1 | 2015.4 |
| 30°   | 1856.2 | 1871.3 | 1870.4 | 1876.6 | 1885.4 | 1890.7 | 1892.5 | 1896.9 |
| 32.5° | 1732.4 | 1739.5 | 1744.8 | 1743.9 | 1747.5 | 1757.2 | 1753.7 | 1761.6 |
| 35°   | 1600.7 | 1601.6 | 1610.4 | 1609.5 | 1616.6 | 1616.6 | 1616.6 | 1621.9 |
| 37.5° | 1460.1 | 1470.7 | 1466.2 | 1476.9 | 1473.3 | 1476.0 | 1476.0 | 1477.7 |
| 40°   | 1331.8 | 1335.4 | 1335.4 | 1338.9 | 1341.6 | 1338.9 | 1340.7 | 1345.1 |
| 42.5° | 1199.2 | 1202.7 | 1203.6 | 1201.8 | 1204.5 | 1212.4 | 1206.2 | 1211.6 |
| 45°   | 1075.4 | 1078.0 | 1081.6 | 1078.9 | 1083.3 | 1080.7 | 1083.3 | 1081.6 |
| 47.5° | 958.6  | 957.7  | 956.9  | 963.9  | 957.7  | 958.6  | 962.2  | 956.0  |
| 50°   | 839.2  | 844.6  | 841.0  | 843.7  | 845.4  | 845.4  | 842.8  | 842.8  |
| 52.5° | 733.1  | 732.2  | 729.6  | 732.2  | 730.5  | 731.4  | 733.1  | 731.4  |
| 55°   | 623.5  | 627.0  | 625.2  | 624.3  | 625.2  | 625.2  | 630.5  | 623.5  |
| 57.5° | 515.6  | 513.8  | 516.5  | 522.6  | 516.5  | 520.9  | 523.5  | 524.4  |
| 60°   | 413.0  | 413.0  | 418.3  | 415.6  | 420.9  | 425.4  | 428.9  | 427.1  |
| 62.5° | 314.8  | 319.2  | 321.0  | 321.9  | 327.2  | 330.7  | 330.7  | 329.9  |
| 65°   | 233.5  | 239.7  | 239.7  | 243.2  | 245.0  | 245.0  | 246.7  | 250.3  |
| 67.5° | 172.4  | 172.4  | 173.3  | 175.1  | 174.2  | 174.2  | 176.0  | 176.9  |
| 70°   | 120.3  | 118.5  | 121.2  | 120.3  | 120.3  | 119.4  | 120.3  | 120.3  |
| 72.5° | 76.1   | 76.1   | 76.9   | 76.1   | 74.3   | 75.2   | 75.2   | 76.9   |
| 75°   | 40.7   | 42.4   | 40.7   | 40.7   | 41.6   | 39.8   | 40.7   | 41.6   |
| 77.5° | 16.8   | 16.8   | 16.8   | 16.8   | 16.8   | 15.9   | 15.9   | 15.9   |
| 80°   | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    | 7.1    | 7.1    |
| 82.5° | 3.5    | 4.4    | 3.5    | 4.4    | 3.5    | 3.5    | 3.5    | 3.5    |
| 85°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 87.5° | 0.0    | 0.9    | 0.0    | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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













(END OF REPORT)