

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P252304

Luminaire Tested: **LD6B50D010TE EU6B30509030 6LBSW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252304  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-7)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B50D010TE EU6B30509030 6LBSW1H  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4219.0 lumens  
Efficiency: N/A  
Efficacy: 71.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

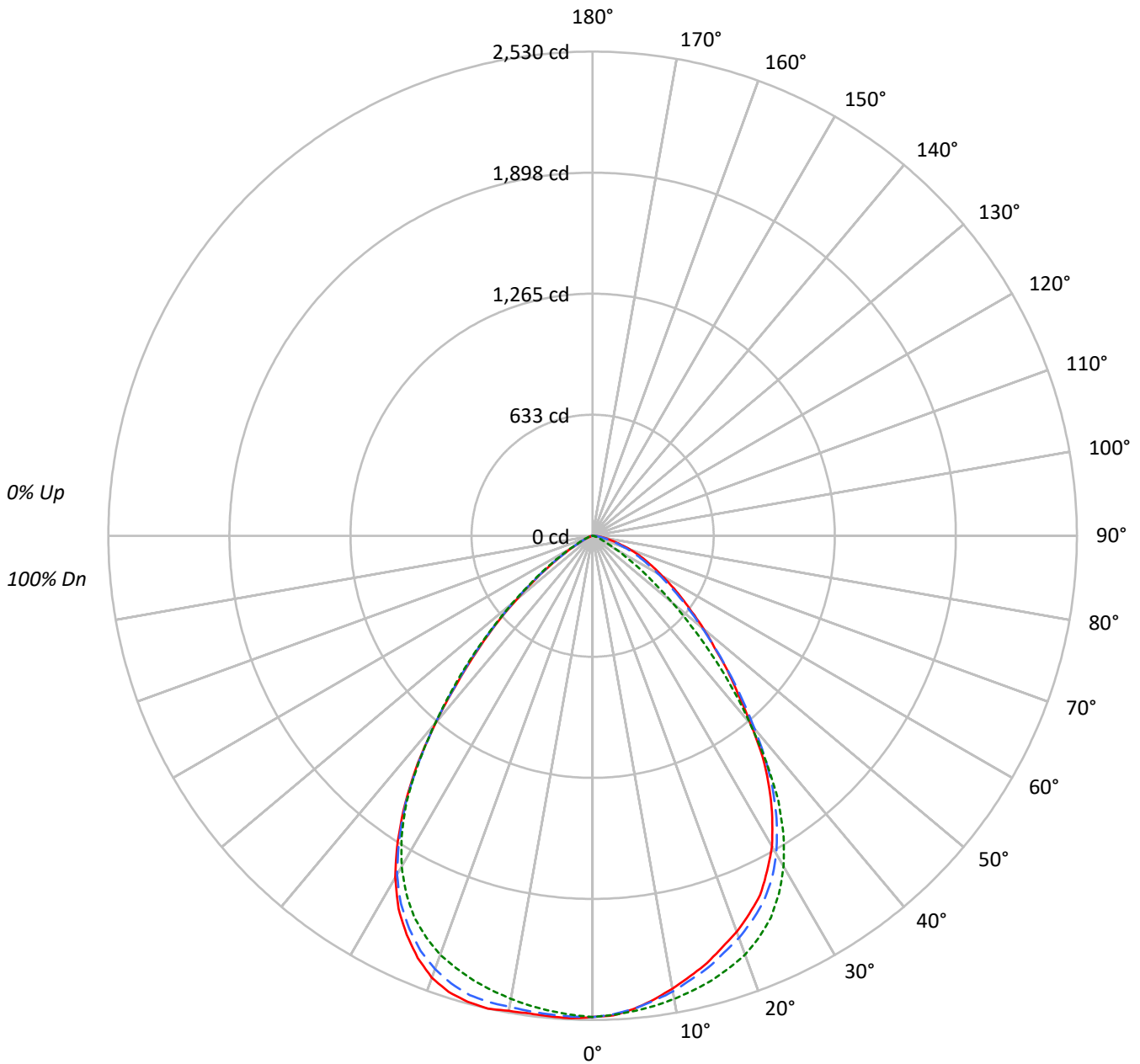
Input Watts (W): 58.77  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 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   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98  | 98  | 96  | 95  | 95  | 93  | 92  | 90  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 88  | 93  | 89  | 86  | 90  | 87  | 84  | 87  | 85  | 82  | 80  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  | 82  | 78  | 75  | 80  | 77  | 74  | 72  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 91  | 81  | 74  | 69  | 89  | 80  | 74  | 69  | 78  | 72  | 68  | 76  | 71  | 67  | 74  | 69  | 66  | 64  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 85  | 74  | 67  | 62  | 83  | 73  | 66  | 61  | 71  | 65  | 61  | 70  | 64  | 60  | 68  | 63  | 60  | 58  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 79  | 68  | 61  | 55  | 78  | 67  | 60  | 55  | 66  | 59  | 55  | 64  | 59  | 54  | 63  | 58  | 54  | 52  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 74  | 63  | 55  | 50  | 73  | 62  | 55  | 50  | 61  | 54  | 50  | 59  | 54  | 49  | 58  | 53  | 49  | 47  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 70  | 58  | 51  | 46  | 68  | 57  | 50  | 46  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 65  | 54  | 47  | 42  | 64  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 46  | 41  | 50  | 45  | 41  | 40  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 37  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 164067 | 164067 | 164067 |
| 5°  | 162506 | 163299 | 165093 |
| 10° | 159152 | 162776 | 167002 |
| 15° | 156110 | 162466 | 170267 |
| 20° | 152880 | 161732 | 170591 |
| 25° | 149110 | 158511 | 165501 |
| 30° | 141167 | 150320 | 155353 |
| 35° | 128203 | 134734 | 135945 |
| 40° | 109412 | 108901 | 108382 |
| 45° | 91914  | 81543  | 79024  |
| 50° | 76762  | 55184  | 52403  |
| 55° | 64606  | 33850  | 30745  |
| 60° | 54685  | 17837  | 15449  |
| 65° | 47361  | 9370   | 7503   |
| 70° | 39390  | 5799   | 4063   |
| 75° | 29089  | 3831   | 2294   |
| 80° | 22805  | 2292   | 1127   |
| 85° | 18190  | 2246   | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 237.0  | 5.6       |
| 10°-20°   | 678.6  | 16.1      |
| 20°-30°   | 1002.1 | 23.8      |
| 30°-40°   | 1032.7 | 24.5      |
| 40°-50°   | 713.3  | 16.9      |
| 50°-60°   | 351.6  | 8.3       |
| 60°-70°   | 142.5  | 3.4       |
| 70°-80°   | 50.8   | 1.2       |
| 80°-90°   | 10.5   | 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°    | 1917.7 | 45.5      |
| 0°-40°    | 2950.4 | 69.9      |
| 0°-60°    | 4015.3 | 95.2      |
| 0°-90°    | 4219.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4219.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2515 | 2515 | 2515 | 2515 | 2515 |      |
| 5°  | 2481 | 2481 | 2494 | 2512 | 2521 | 234  |
| 15° | 2311 | 2336 | 2405 | 2484 | 2521 | 651  |
| 25° | 2071 | 2111 | 2202 | 2266 | 2299 | 947  |
| 35° | 1610 | 1649 | 1692 | 1701 | 1707 | 997  |
| 45° | 996  | 1002 | 884  | 872  | 856  | 770  |
| 55° | 568  | 547  | 298  | 279  | 270  | 513  |
| 65° | 307  | 276  | 61   | 49   | 49   | 305  |
| 75° | 115  | 97   | 15   | 9    | 9    | 130  |
| 85° | 24   | 18   | 3    | 0    | 0    | 30   |
| 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°    | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 |
| 2.5°  | 2508.7 | 2499.6 | 2505.7 | 2493.5 | 2508.7 | 2493.5 | 2496.6 | 2499.6 | 2496.6 | 2499.6 | 2502.6 |
| 5°    | 2481.4 | 2472.3 | 2481.4 | 2466.2 | 2481.4 | 2472.3 | 2472.3 | 2475.3 | 2475.3 | 2478.3 | 2481.4 |
| 7.5°  | 2444.9 | 2435.8 | 2444.9 | 2429.7 | 2448.0 | 2438.9 | 2438.9 | 2444.9 | 2441.9 | 2444.9 | 2451.0 |
| 10°   | 2402.4 | 2390.3 | 2399.4 | 2390.3 | 2408.5 | 2396.3 | 2402.4 | 2402.4 | 2402.4 | 2411.5 | 2417.6 |
| 12.5° | 2356.9 | 2344.7 | 2356.9 | 2341.7 | 2359.9 | 2350.8 | 2353.8 | 2362.9 | 2366.0 | 2372.0 | 2375.1 |
| 15°   | 2311.3 | 2296.1 | 2302.2 | 2293.1 | 2311.3 | 2302.2 | 2305.2 | 2317.4 | 2317.4 | 2326.5 | 2335.6 |
| 17.5° | 2253.6 | 2241.4 | 2253.6 | 2241.4 | 2256.6 | 2250.5 | 2256.6 | 2265.7 | 2265.7 | 2274.8 | 2284.0 |
| 20°   | 2202.0 | 2189.8 | 2198.9 | 2189.8 | 2208.0 | 2198.9 | 2202.0 | 2214.1 | 2217.1 | 2226.3 | 2235.4 |
| 22.5° | 2138.2 | 2129.1 | 2135.1 | 2126.0 | 2144.2 | 2138.2 | 2141.2 | 2153.4 | 2156.4 | 2162.5 | 2177.7 |
| 25°   | 2071.4 | 2053.1 | 2062.2 | 2056.2 | 2074.4 | 2065.3 | 2071.4 | 2083.5 | 2089.6 | 2098.7 | 2110.8 |
| 27.5° | 1974.2 | 1965.1 | 1971.1 | 1971.1 | 1986.3 | 1977.2 | 1980.2 | 1992.4 | 2001.5 | 2010.6 | 2025.8 |
| 30°   | 1873.9 | 1858.8 | 1864.8 | 1867.9 | 1880.0 | 1873.9 | 1880.0 | 1892.2 | 1895.2 | 1907.3 | 1919.5 |
| 32.5° | 1746.4 | 1740.3 | 1752.5 | 1746.4 | 1752.5 | 1752.5 | 1755.5 | 1764.6 | 1770.7 | 1776.7 | 1791.9 |
| 35°   | 1609.7 | 1597.6 | 1609.7 | 1603.6 | 1618.8 | 1609.7 | 1618.8 | 1627.9 | 1627.9 | 1640.1 | 1649.2 |
| 37.5° | 1460.9 | 1445.7 | 1451.8 | 1451.8 | 1457.8 | 1454.8 | 1454.8 | 1470.0 | 1473.0 | 1482.1 | 1491.3 |
| 40°   | 1284.7 | 1278.7 | 1290.8 | 1287.8 | 1290.8 | 1290.8 | 1293.8 | 1302.9 | 1309.0 | 1312.1 | 1315.1 |
| 42.5° | 1126.8 | 1129.8 | 1132.9 | 1132.9 | 1132.9 | 1132.9 | 1132.9 | 1145.0 | 1142.0 | 1151.1 | 1154.1 |
| 45°   | 996.2  | 984.0  | 990.1  | 987.1  | 996.2  | 987.1  | 996.2  | 1005.3 | 999.2  | 1008.3 | 1002.3 |
| 47.5° | 862.6  | 862.6  | 862.6  | 859.5  | 865.6  | 862.6  | 868.6  | 871.7  | 871.7  | 871.7  | 868.6  |
| 50°   | 756.3  | 747.1  | 750.2  | 750.2  | 753.2  | 750.2  | 756.3  | 759.3  | 759.3  | 753.2  | 741.1  |
| 52.5° | 653.0  | 650.0  | 650.0  | 656.0  | 656.0  | 653.0  | 653.0  | 653.0  | 653.0  | 643.9  | 637.8  |
| 55°   | 568.0  | 561.9  | 564.9  | 564.9  | 564.9  | 564.9  | 568.0  | 564.9  | 564.9  | 555.8  | 546.7  |
| 57.5° | 492.0  | 485.9  | 485.9  | 485.9  | 489.0  | 485.9  | 485.9  | 485.9  | 482.9  | 473.8  | 461.7  |
| 60°   | 419.1  | 416.1  | 419.1  | 419.1  | 422.2  | 419.1  | 419.1  | 419.1  | 413.1  | 403.9  | 391.8  |
| 62.5° | 358.4  | 358.4  | 358.4  | 361.4  | 361.4  | 358.4  | 358.4  | 355.3  | 352.3  | 340.2  | 328.0  |
| 65°   | 306.8  | 303.7  | 306.8  | 306.8  | 309.8  | 309.8  | 306.8  | 303.7  | 300.7  | 288.5  | 276.4  |
| 67.5° | 255.1  | 252.1  | 255.1  | 255.1  | 258.2  | 255.1  | 255.1  | 255.1  | 246.0  | 239.9  | 227.8  |
| 70°   | 206.5  | 203.5  | 203.5  | 203.5  | 206.5  | 200.5  | 203.5  | 203.5  | 197.4  | 188.3  | 176.2  |
| 72.5° | 157.9  | 157.9  | 157.9  | 157.9  | 157.9  | 157.9  | 154.9  | 154.9  | 148.8  | 139.7  | 133.6  |
| 75°   | 115.4  | 115.4  | 118.4  | 118.4  | 115.4  | 115.4  | 115.4  | 112.4  | 109.3  | 103.3  | 97.2   |
| 77.5° | 85.0   | 85.0   | 85.0   | 85.0   | 82.0   | 82.0   | 82.0   | 79.0   | 75.9   | 72.9   | 66.8   |
| 80°   | 60.7   | 60.7   | 60.7   | 57.7   | 60.7   | 57.7   | 57.7   | 57.7   | 51.6   | 48.6   | 45.6   |
| 82.5° | 42.5   | 39.5   | 39.5   | 39.5   | 39.5   | 39.5   | 39.5   | 36.4   | 36.4   | 33.4   | 30.4   |
| 85°   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   | 21.3   | 18.2   | 18.2   |
| 87.5° | 12.1   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 12.1   | 12.1   | 12.1   | 9.1    |
| 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°    | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 |
| 2.5°  | 2502.6 | 2502.6 | 2508.7 | 2499.6 | 2514.8 | 2505.7 | 2502.6 | 2517.8 | 2508.7 | 2505.7 | 2511.7 |
| 5°    | 2481.4 | 2484.4 | 2487.4 | 2481.4 | 2496.6 | 2487.4 | 2487.4 | 2502.6 | 2496.6 | 2493.5 | 2502.6 |
| 7.5°  | 2454.0 | 2457.1 | 2463.2 | 2460.1 | 2472.3 | 2466.2 | 2469.2 | 2484.4 | 2478.3 | 2478.3 | 2487.4 |
| 10°   | 2420.6 | 2426.7 | 2432.8 | 2432.8 | 2448.0 | 2441.9 | 2441.9 | 2460.1 | 2454.0 | 2457.1 | 2469.2 |
| 12.5° | 2381.1 | 2390.3 | 2399.4 | 2402.4 | 2417.6 | 2408.5 | 2411.5 | 2432.8 | 2429.7 | 2432.8 | 2444.9 |
| 15°   | 2338.6 | 2350.8 | 2359.9 | 2359.9 | 2378.1 | 2369.0 | 2378.1 | 2399.4 | 2393.3 | 2405.4 | 2420.6 |
| 17.5° | 2290.0 | 2302.2 | 2314.3 | 2317.4 | 2335.6 | 2329.5 | 2341.7 | 2362.9 | 2362.9 | 2369.0 | 2387.2 |
| 20°   | 2244.5 | 2259.7 | 2265.7 | 2274.8 | 2293.1 | 2290.0 | 2296.1 | 2320.4 | 2320.4 | 2329.5 | 2347.7 |
| 22.5° | 2183.7 | 2198.9 | 2211.1 | 2220.2 | 2235.4 | 2235.4 | 2244.5 | 2265.7 | 2265.7 | 2271.8 | 2290.0 |
| 25°   | 2116.9 | 2135.1 | 2144.2 | 2153.4 | 2168.5 | 2165.5 | 2174.6 | 2192.8 | 2195.9 | 2202.0 | 2220.2 |
| 27.5° | 2031.9 | 2047.1 | 2059.2 | 2065.3 | 2086.5 | 2074.4 | 2083.5 | 2104.8 | 2101.7 | 2107.8 | 2123.0 |
| 30°   | 1925.6 | 1940.8 | 1952.9 | 1952.9 | 1971.1 | 1971.1 | 1980.2 | 1989.4 | 1989.4 | 1995.4 | 2007.6 |
| 32.5° | 1801.0 | 1819.3 | 1819.3 | 1828.4 | 1840.5 | 1828.4 | 1840.5 | 1852.7 | 1846.6 | 1855.7 | 1864.8 |
| 35°   | 1658.3 | 1667.4 | 1670.4 | 1670.4 | 1679.6 | 1676.5 | 1673.5 | 1682.6 | 1676.5 | 1691.7 | 1700.8 |
| 37.5° | 1485.2 | 1497.3 | 1491.3 | 1497.3 | 1494.3 | 1485.2 | 1485.2 | 1500.4 | 1488.2 | 1491.3 | 1500.4 |
| 40°   | 1318.1 | 1318.1 | 1315.1 | 1299.9 | 1302.9 | 1293.8 | 1290.8 | 1293.8 | 1281.7 | 1278.7 | 1290.8 |
| 42.5° | 1145.0 | 1142.0 | 1132.9 | 1111.6 | 1114.6 | 1099.5 | 1087.3 | 1087.3 | 1081.2 | 1078.2 | 1081.2 |
| 45°   | 990.1  | 981.0  | 965.8  | 941.5  | 935.5  | 923.3  | 899.0  | 892.9  | 883.8  | 883.8  | 886.9  |
| 47.5° | 847.4  | 835.2  | 810.9  | 783.6  | 768.4  | 753.2  | 728.9  | 719.8  | 704.6  | 698.6  | 704.6  |
| 50°   | 728.9  | 707.7  | 677.3  | 637.8  | 622.6  | 604.4  | 580.1  | 564.9  | 549.7  | 543.7  | 540.6  |
| 52.5° | 619.6  | 589.2  | 558.8  | 510.2  | 498.1  | 479.9  | 446.5  | 431.3  | 416.1  | 403.9  | 403.9  |
| 55°   | 525.4  | 498.1  | 455.6  | 410.0  | 391.8  | 373.6  | 340.2  | 318.9  | 303.7  | 297.6  | 291.6  |
| 57.5° | 440.4  | 410.0  | 370.5  | 321.9  | 303.7  | 285.5  | 252.1  | 230.8  | 215.6  | 206.5  | 200.5  |
| 60°   | 370.5  | 337.1  | 297.6  | 255.1  | 233.9  | 215.6  | 182.2  | 161.0  | 145.8  | 136.7  | 130.6  |
| 62.5° | 303.7  | 276.4  | 236.9  | 197.4  | 179.2  | 161.0  | 133.6  | 112.4  | 97.2   | 91.1   | 82.0   |
| 65°   | 255.1  | 227.8  | 191.3  | 157.9  | 142.7  | 124.5  | 100.2  | 82.0   | 69.9   | 60.7   | 54.7   |
| 67.5° | 206.5  | 185.3  | 154.9  | 124.5  | 109.3  | 97.2   | 75.9   | 60.7   | 48.6   | 42.5   | 39.5   |
| 70°   | 164.0  | 142.7  | 118.4  | 94.2   | 85.0   | 72.9   | 57.7   | 42.5   | 36.4   | 30.4   | 27.3   |
| 72.5° | 121.5  | 106.3  | 88.1   | 69.9   | 60.7   | 54.7   | 39.5   | 33.4   | 24.3   | 21.3   | 18.2   |
| 75°   | 88.1   | 75.9   | 63.8   | 48.6   | 42.5   | 39.5   | 30.4   | 21.3   | 18.2   | 15.2   | 12.1   |
| 77.5° | 60.7   | 54.7   | 42.5   | 33.4   | 30.4   | 27.3   | 21.3   | 15.2   | 12.1   | 9.1    | 9.1    |
| 80°   | 39.5   | 33.4   | 27.3   | 21.3   | 21.3   | 18.2   | 12.1   | 9.1    | 9.1    | 6.1    | 6.1    |
| 82.5° | 24.3   | 21.3   | 18.2   | 15.2   | 12.1   | 12.1   | 9.1    | 6.1    | 6.1    | 3.0    | 3.0    |
| 85°   | 15.2   | 12.1   | 9.1    | 9.1    | 6.1    | 6.1    | 6.1    | 3.0    | 3.0    | 3.0    | 3.0    |
| 87.5° | 6.1    | 6.1    | 6.1    | 3.0    | 3.0    | 3.0    | 3.0    | 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: P252304

CATALOG NUMBER: LD6B50D010TE EU6B30509030 6LBSW1H

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 |
| 2.5°  | 2511.7 | 2511.7 | 2517.8 | 2508.7 | 2514.8 | 2514.8 | 2520.9 | 2508.7 | 2514.8 | 2517.8 | 2523.9 |
| 5°    | 2499.6 | 2502.6 | 2508.7 | 2505.7 | 2508.7 | 2508.7 | 2514.8 | 2499.6 | 2511.7 | 2511.7 | 2520.9 |
| 7.5°  | 2487.4 | 2487.4 | 2493.5 | 2490.5 | 2496.6 | 2499.6 | 2505.7 | 2493.5 | 2505.7 | 2505.7 | 2514.8 |
| 10°   | 2472.3 | 2472.3 | 2481.4 | 2478.3 | 2487.4 | 2490.5 | 2499.6 | 2487.4 | 2499.6 | 2502.6 | 2511.7 |
| 12.5° | 2451.0 | 2454.0 | 2463.2 | 2463.2 | 2472.3 | 2478.3 | 2487.4 | 2481.4 | 2496.6 | 2499.6 | 2511.7 |
| 15°   | 2426.7 | 2432.8 | 2444.9 | 2441.9 | 2451.0 | 2460.1 | 2472.3 | 2463.2 | 2484.4 | 2490.5 | 2502.6 |
| 17.5° | 2396.3 | 2402.4 | 2411.5 | 2411.5 | 2420.6 | 2426.7 | 2441.9 | 2435.8 | 2454.0 | 2457.1 | 2472.3 |
| 20°   | 2350.8 | 2359.9 | 2372.0 | 2369.0 | 2378.1 | 2384.2 | 2396.3 | 2390.3 | 2408.5 | 2414.6 | 2429.7 |
| 22.5° | 2296.1 | 2302.2 | 2311.3 | 2311.3 | 2320.4 | 2326.5 | 2338.6 | 2329.5 | 2347.7 | 2350.8 | 2362.9 |
| 25°   | 2223.2 | 2229.3 | 2235.4 | 2238.4 | 2247.5 | 2250.5 | 2256.6 | 2250.5 | 2265.7 | 2268.8 | 2284.0 |
| 27.5° | 2129.1 | 2132.1 | 2141.2 | 2141.2 | 2147.3 | 2150.3 | 2159.4 | 2147.3 | 2168.5 | 2168.5 | 2177.7 |
| 30°   | 2016.7 | 2013.6 | 2025.8 | 2019.7 | 2025.8 | 2025.8 | 2034.9 | 2028.8 | 2044.0 | 2037.9 | 2047.1 |
| 32.5° | 1867.9 | 1873.9 | 1873.9 | 1867.9 | 1880.0 | 1877.0 | 1877.0 | 1870.9 | 1880.0 | 1883.1 | 1889.1 |
| 35°   | 1694.7 | 1703.9 | 1703.9 | 1706.9 | 1709.9 | 1700.8 | 1703.9 | 1685.6 | 1700.8 | 1703.9 | 1706.9 |
| 37.5° | 1506.4 | 1497.3 | 1503.4 | 1494.3 | 1509.5 | 1491.3 | 1491.3 | 1479.1 | 1491.3 | 1491.3 | 1494.3 |
| 40°   | 1290.8 | 1287.8 | 1293.8 | 1287.8 | 1284.7 | 1281.7 | 1275.6 | 1266.5 | 1278.7 | 1272.6 | 1281.7 |
| 42.5° | 1087.3 | 1084.3 | 1084.3 | 1078.2 | 1075.2 | 1075.2 | 1069.1 | 1063.0 | 1060.0 | 1060.0 | 1075.2 |
| 45°   | 877.7  | 883.8  | 877.7  | 874.7  | 880.8  | 874.7  | 877.7  | 865.6  | 871.7  | 865.6  | 871.7  |
| 47.5° | 701.6  | 704.6  | 698.6  | 692.5  | 701.6  | 692.5  | 692.5  | 683.4  | 695.5  | 695.5  | 689.4  |
| 50°   | 543.7  | 540.6  | 534.5  | 540.6  | 537.6  | 537.6  | 537.6  | 528.5  | 534.5  | 525.4  | 531.5  |
| 52.5° | 400.9  | 397.9  | 397.9  | 394.8  | 397.9  | 394.8  | 394.8  | 391.8  | 391.8  | 388.8  | 391.8  |
| 55°   | 291.6  | 288.5  | 282.5  | 282.5  | 282.5  | 285.5  | 282.5  | 279.4  | 279.4  | 276.4  | 279.4  |
| 57.5° | 197.4  | 191.3  | 191.3  | 191.3  | 191.3  | 188.3  | 188.3  | 185.3  | 188.3  | 185.3  | 188.3  |
| 60°   | 127.6  | 127.6  | 121.5  | 121.5  | 121.5  | 121.5  | 121.5  | 118.4  | 121.5  | 121.5  | 121.5  |
| 62.5° | 79.0   | 79.0   | 75.9   | 72.9   | 75.9   | 72.9   | 72.9   | 72.9   | 75.9   | 72.9   | 75.9   |
| 65°   | 51.6   | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   |
| 67.5° | 36.4   | 33.4   | 33.4   | 33.4   | 33.4   | 33.4   | 33.4   | 30.4   | 33.4   | 33.4   | 33.4   |
| 70°   | 24.3   | 24.3   | 21.3   | 21.3   | 21.3   | 21.3   | 21.3   | 21.3   | 21.3   | 21.3   | 21.3   |
| 72.5° | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   |
| 75°   | 12.1   | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    |
| 77.5° | 9.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 80°   | 6.1    | 6.1    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 82.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 85°   | 3.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 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: P252304

CATALOG NUMBER: LD6B50D010TE EU6B30509030 6LBSW1H

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 | 2514.8 |
| 2.5°  | 2514.8 | 2517.8 | 2511.7 | 2514.8 | 2508.7 | 2514.8 | 2517.8 | 2523.9 |
| 5°    | 2508.7 | 2511.7 | 2505.7 | 2511.7 | 2505.7 | 2511.7 | 2514.8 | 2520.9 |
| 7.5°  | 2502.6 | 2508.7 | 2502.6 | 2508.7 | 2502.6 | 2508.7 | 2511.7 | 2517.8 |
| 10°   | 2502.6 | 2511.7 | 2505.7 | 2514.8 | 2505.7 | 2511.7 | 2517.8 | 2520.9 |
| 12.5° | 2502.6 | 2511.7 | 2508.7 | 2514.8 | 2511.7 | 2517.8 | 2523.9 | 2530.0 |
| 15°   | 2496.6 | 2505.7 | 2499.6 | 2508.7 | 2505.7 | 2508.7 | 2520.9 | 2520.9 |
| 17.5° | 2463.2 | 2472.3 | 2472.3 | 2478.3 | 2478.3 | 2487.4 | 2493.5 | 2499.6 |
| 20°   | 2420.6 | 2429.7 | 2426.7 | 2435.8 | 2435.8 | 2444.9 | 2451.0 | 2457.1 |
| 22.5° | 2356.9 | 2369.0 | 2366.0 | 2375.1 | 2372.0 | 2378.1 | 2390.3 | 2387.2 |
| 25°   | 2274.8 | 2290.0 | 2287.0 | 2293.1 | 2290.0 | 2290.0 | 2296.1 | 2299.1 |
| 27.5° | 2174.6 | 2183.7 | 2180.7 | 2186.8 | 2180.7 | 2186.8 | 2192.8 | 2195.9 |
| 30°   | 2044.0 | 2050.1 | 2047.1 | 2050.1 | 2047.1 | 2053.1 | 2056.2 | 2062.2 |
| 32.5° | 1886.1 | 1895.2 | 1886.1 | 1892.2 | 1889.1 | 1889.1 | 1901.3 | 1895.2 |
| 35°   | 1697.8 | 1700.8 | 1703.9 | 1703.9 | 1697.8 | 1700.8 | 1706.9 | 1706.9 |
| 37.5° | 1488.2 | 1503.4 | 1485.2 | 1494.3 | 1491.3 | 1491.3 | 1491.3 | 1500.4 |
| 40°   | 1269.5 | 1272.6 | 1266.5 | 1266.5 | 1266.5 | 1263.5 | 1275.6 | 1272.6 |
| 42.5° | 1063.0 | 1066.0 | 1063.0 | 1053.9 | 1056.9 | 1056.9 | 1066.0 | 1053.9 |
| 45°   | 862.6  | 868.6  | 865.6  | 865.6  | 859.5  | 859.5  | 862.6  | 856.5  |
| 47.5° | 683.4  | 689.4  | 680.3  | 683.4  | 677.3  | 683.4  | 680.3  | 686.4  |
| 50°   | 519.4  | 525.4  | 522.4  | 525.4  | 525.4  | 519.4  | 528.5  | 516.3  |
| 52.5° | 388.8  | 391.8  | 388.8  | 385.7  | 382.7  | 382.7  | 388.8  | 385.7  |
| 55°   | 276.4  | 273.3  | 273.3  | 273.3  | 276.4  | 276.4  | 273.3  | 270.3  |
| 57.5° | 185.3  | 185.3  | 182.2  | 182.2  | 185.3  | 179.2  | 182.2  | 179.2  |
| 60°   | 118.4  | 118.4  | 118.4  | 118.4  | 115.4  | 118.4  | 118.4  | 118.4  |
| 62.5° | 72.9   | 72.9   | 72.9   | 72.9   | 72.9   | 72.9   | 72.9   | 72.9   |
| 65°   | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   |
| 67.5° | 30.4   | 33.4   | 33.4   | 33.4   | 30.4   | 30.4   | 30.4   | 30.4   |
| 70°   | 21.3   | 21.3   | 21.3   | 21.3   | 21.3   | 21.3   | 21.3   | 21.3   |
| 72.5° | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   |
| 75°   | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    |
| 77.5° | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 80°   | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 82.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 0.0    | 0.0    | 0.0    |
| 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)