

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: P252204

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBSW1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252204  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-1)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B50D010TE EU6B30509727 6LBSW1LI  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4860.0 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

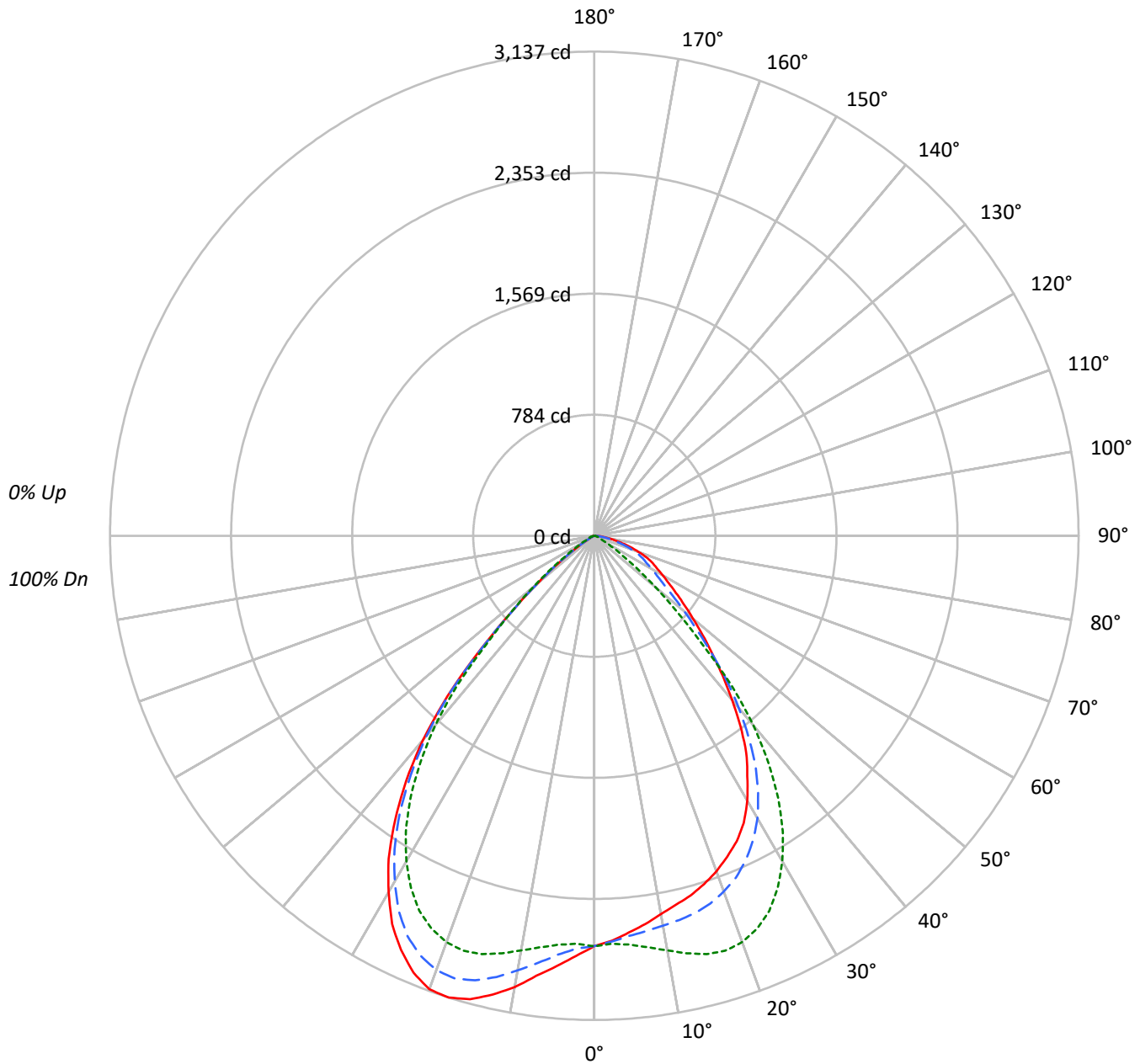
Input Watts (W): 58.77  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

|     |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|
| RF  | 20  |     |     |     |  | 20  |     |     |     |  | 20  |     |     |  |     | 20  |     |  |     |     | 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  |
| RCR |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 |  | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 112 | 108 | 105 | 103 |  | 109 | 106 | 103 | 101 |  | 102 | 100 | 98  |  | 98  | 96  | 95  |  | 95  | 93  | 92  |
| 2   | 105 | 98  | 93  | 89  |  | 102 | 97  | 92  | 88  |  | 93  | 89  | 86  |  | 90  | 87  | 84  |  | 87  | 85  | 82  |
| 3   | 98  | 89  | 83  | 78  |  | 95  | 88  | 82  | 78  |  | 85  | 80  | 76  |  | 83  | 78  | 75  |  | 80  | 77  | 74  |
| 4   | 91  | 82  | 75  | 69  |  | 89  | 80  | 74  | 69  |  | 78  | 72  | 68  |  | 76  | 71  | 67  |  | 74  | 70  | 66  |
| 5   | 85  | 75  | 67  | 62  |  | 83  | 74  | 67  | 62  |  | 72  | 66  | 61  |  | 70  | 65  | 61  |  | 68  | 64  | 60  |
| 6   | 80  | 69  | 61  | 56  |  | 78  | 68  | 61  | 56  |  | 66  | 60  | 55  |  | 64  | 59  | 55  |  | 63  | 58  | 54  |
| 7   | 74  | 63  | 56  | 51  |  | 73  | 62  | 55  | 50  |  | 61  | 55  | 50  |  | 60  | 54  | 50  |  | 58  | 53  | 50  |
| 8   | 70  | 58  | 51  | 46  |  | 69  | 58  | 51  | 46  |  | 57  | 50  | 46  |  | 55  | 50  | 46  |  | 54  | 49  | 45  |
| 9   | 66  | 54  | 47  | 42  |  | 64  | 54  | 47  | 42  |  | 53  | 46  | 42  |  | 52  | 46  | 42  |  | 51  | 45  | 42  |
| 10  | 62  | 50  | 43  | 39  |  | 61  | 50  | 43  | 39  |  | 49  | 43  | 39  |  | 48  | 43  | 39  |  | 47  | 42  | 38  |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 173462 | 173462 | 173462 |
| 5°  | 168964 | 174124 | 183280 |
| 10° | 164856 | 180682 | 196681 |
| 15° | 162925 | 189537 | 209968 |
| 20° | 160593 | 194474 | 217065 |
| 25° | 157179 | 193042 | 213169 |
| 30° | 149364 | 183444 | 200681 |
| 35° | 136653 | 165397 | 179167 |
| 40° | 118201 | 136597 | 146987 |
| 45° | 99673  | 89589  | 96158  |
| 50° | 84618  | 51855  | 48759  |
| 55° | 73433  | 24864  | 18790  |
| 60° | 66337  | 11613  | 4645   |
| 65° | 64358  | 6669   | 1575   |
| 70° | 57702  | 5341   | 1450   |
| 75° | 47414  | 3857   | 630    |
| 80° | 35316  | 1916   | 0      |
| 85° | 30466  | 0      | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 256.8  | 5.3       |
| 10°-20°   | 782.7  | 16.1      |
| 20°-30°   | 1195.9 | 24.6      |
| 30°-40°   | 1250.8 | 25.7      |
| 40°-50°   | 811.4  | 16.7      |
| 50°-60°   | 322.2  | 6.6       |
| 60°-70°   | 152.8  | 3.1       |
| 70°-80°   | 72.7   | 1.5       |
| 80°-90°   | 14.8   | 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°    | 2235.4 | 46.0      |
| 0°-40°    | 3486.1 | 71.7      |
| 0°-60°    | 4619.7 | 95.1      |
| 0°-90°    | 4860.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4860.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2659 | 2659 | 2659 | 2659 | 2659 |      |
| 5°  | 2580 | 2603 | 2659 | 2725 | 2799 | 244  |
| 15° | 2412 | 2529 | 2806 | 2982 | 3109 | 680  |
| 25° | 2184 | 2321 | 2682 | 2862 | 2961 | 1000 |
| 35° | 1716 | 1820 | 2077 | 2199 | 2250 | 1061 |
| 45° | 1080 | 1070 | 971  | 1030 | 1042 | 841  |
| 55° | 646  | 549  | 219  | 170  | 165  | 585  |
| 65° | 417  | 346  | 43   | 10   | 10   | 407  |
| 75° | 188  | 152  | 15   | 5    | 2    | 203  |
| 85° | 41   | 25   | 0    | 0    | 0    | 47   |
| 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°    | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 |
| 2.5°  | 2625.8 | 2630.8 | 2602.9 | 2595.3 | 2615.6 | 2623.2 | 2625.8 | 2618.1 | 2620.7 | 2630.8 | 2630.8 |
| 5°    | 2580.0 | 2585.1 | 2559.7 | 2552.0 | 2572.4 | 2577.5 | 2585.1 | 2582.5 | 2590.2 | 2605.4 | 2602.9 |
| 7.5°  | 2536.8 | 2544.4 | 2516.5 | 2506.3 | 2531.7 | 2544.4 | 2549.5 | 2549.5 | 2559.7 | 2580.0 | 2582.5 |
| 10°   | 2488.5 | 2498.7 | 2473.2 | 2468.2 | 2496.1 | 2508.8 | 2511.4 | 2516.5 | 2531.7 | 2559.7 | 2564.8 |
| 12.5° | 2447.8 | 2458.0 | 2440.2 | 2432.6 | 2463.1 | 2475.8 | 2480.9 | 2491.0 | 2508.8 | 2544.4 | 2549.5 |
| 15°   | 2412.2 | 2419.9 | 2399.5 | 2394.4 | 2425.0 | 2440.2 | 2442.7 | 2458.0 | 2480.9 | 2521.5 | 2529.2 |
| 17.5° | 2366.5 | 2371.6 | 2356.3 | 2351.2 | 2381.7 | 2397.0 | 2399.5 | 2417.3 | 2445.3 | 2486.0 | 2498.7 |
| 20°   | 2313.1 | 2318.2 | 2302.9 | 2297.9 | 2328.4 | 2346.2 | 2348.7 | 2363.9 | 2397.0 | 2440.2 | 2452.9 |
| 22.5° | 2249.6 | 2259.7 | 2241.9 | 2236.9 | 2267.4 | 2282.6 | 2290.2 | 2302.9 | 2336.0 | 2379.2 | 2397.0 |
| 25°   | 2183.5 | 2183.5 | 2170.8 | 2168.2 | 2196.2 | 2214.0 | 2211.4 | 2229.2 | 2262.3 | 2305.5 | 2320.7 |
| 27.5° | 2097.0 | 2094.5 | 2081.8 | 2079.3 | 2109.8 | 2125.0 | 2119.9 | 2137.7 | 2168.2 | 2211.4 | 2226.7 |
| 30°   | 1982.7 | 1987.7 | 1970.0 | 1964.9 | 1990.3 | 2015.7 | 2013.2 | 2031.0 | 2061.5 | 2102.1 | 2112.3 |
| 32.5° | 1845.4 | 1850.5 | 1847.9 | 1840.3 | 1863.2 | 1875.9 | 1883.5 | 1896.2 | 1921.7 | 1964.9 | 1975.0 |
| 35°   | 1715.8 | 1708.1 | 1698.0 | 1698.0 | 1720.9 | 1741.2 | 1733.6 | 1748.8 | 1774.2 | 1817.4 | 1820.0 |
| 37.5° | 1555.6 | 1553.1 | 1548.0 | 1542.9 | 1568.3 | 1573.4 | 1576.0 | 1586.1 | 1609.0 | 1644.6 | 1639.5 |
| 40°   | 1387.9 | 1390.4 | 1387.9 | 1377.7 | 1392.9 | 1413.3 | 1410.7 | 1415.8 | 1436.2 | 1461.6 | 1454.0 |
| 42.5° | 1230.3 | 1230.3 | 1230.3 | 1220.1 | 1237.9 | 1248.1 | 1253.1 | 1250.6 | 1255.7 | 1278.6 | 1268.4 |
| 45°   | 1080.3 | 1082.8 | 1080.3 | 1077.8 | 1080.3 | 1085.4 | 1080.3 | 1077.8 | 1077.8 | 1085.4 | 1070.1 |
| 47.5° | 950.7  | 950.7  | 943.0  | 935.4  | 943.0  | 945.6  | 938.0  | 930.3  | 927.8  | 925.2  | 899.8  |
| 50°   | 833.7  | 831.2  | 828.7  | 815.9  | 823.6  | 826.1  | 815.9  | 810.9  | 800.7  | 788.0  | 757.5  |
| 52.5° | 732.1  | 729.5  | 727.0  | 714.3  | 719.4  | 721.9  | 711.7  | 701.6  | 688.8  | 678.7  | 640.6  |
| 55°   | 645.6  | 643.1  | 643.1  | 635.5  | 630.4  | 635.5  | 625.3  | 617.7  | 599.9  | 587.2  | 549.0  |
| 57.5° | 571.9  | 571.9  | 566.8  | 559.2  | 561.8  | 561.8  | 551.6  | 541.4  | 526.2  | 510.9  | 480.4  |
| 60°   | 508.4  | 508.4  | 508.4  | 500.7  | 500.7  | 500.7  | 495.7  | 485.5  | 472.8  | 457.5  | 427.0  |
| 62.5° | 457.5  | 457.5  | 455.0  | 447.4  | 449.9  | 449.9  | 444.8  | 434.7  | 422.0  | 411.8  | 381.3  |
| 65°   | 416.9  | 416.9  | 416.9  | 409.2  | 409.2  | 411.8  | 406.7  | 396.5  | 386.4  | 373.7  | 345.7  |
| 67.5° | 366.0  | 363.5  | 363.5  | 358.4  | 360.9  | 363.5  | 358.4  | 350.8  | 338.1  | 330.4  | 305.0  |
| 70°   | 302.5  | 305.0  | 307.6  | 299.9  | 302.5  | 302.5  | 299.9  | 292.3  | 284.7  | 277.1  | 254.2  |
| 72.5° | 246.6  | 246.6  | 244.0  | 241.5  | 241.5  | 244.0  | 238.9  | 231.3  | 226.2  | 221.1  | 203.4  |
| 75°   | 188.1  | 185.6  | 188.1  | 183.0  | 183.0  | 183.0  | 177.9  | 175.4  | 172.8  | 165.2  | 152.5  |
| 77.5° | 137.3  | 134.7  | 134.7  | 129.6  | 132.2  | 132.2  | 129.6  | 124.6  | 119.5  | 116.9  | 106.8  |
| 80°   | 94.0   | 94.0   | 94.0   | 91.5   | 91.5   | 89.0   | 89.0   | 86.4   | 81.3   | 78.8   | 73.7   |
| 82.5° | 63.5   | 63.5   | 63.5   | 61.0   | 61.0   | 61.0   | 58.5   | 55.9   | 53.4   | 50.8   | 45.8   |
| 85°   | 40.7   | 40.7   | 40.7   | 38.1   | 38.1   | 38.1   | 35.6   | 35.6   | 33.0   | 30.5   | 25.4   |
| 87.5° | 22.9   | 22.9   | 22.9   | 20.3   | 20.3   | 20.3   | 20.3   | 20.3   | 17.8   | 15.3   | 12.7   |
| 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°    | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 |
| 2.5°  | 2648.6 | 2613.0 | 2635.9 | 2635.9 | 2628.3 | 2648.6 | 2661.3 | 2671.5 | 2669.0 | 2646.1 | 2643.6 |
| 5°    | 2628.3 | 2597.8 | 2623.2 | 2625.8 | 2618.1 | 2646.1 | 2663.9 | 2676.6 | 2679.1 | 2658.8 | 2661.3 |
| 7.5°  | 2613.0 | 2587.6 | 2620.7 | 2630.8 | 2628.3 | 2653.7 | 2674.1 | 2694.4 | 2704.6 | 2689.3 | 2691.8 |
| 10°   | 2605.4 | 2585.1 | 2620.7 | 2635.9 | 2638.5 | 2666.4 | 2696.9 | 2724.9 | 2737.6 | 2727.4 | 2735.1 |
| 12.5° | 2595.3 | 2582.5 | 2623.2 | 2646.1 | 2656.3 | 2684.2 | 2722.4 | 2755.4 | 2775.7 | 2770.6 | 2785.9 |
| 15°   | 2585.1 | 2574.9 | 2623.2 | 2656.3 | 2669.0 | 2694.4 | 2737.6 | 2785.9 | 2808.8 | 2806.2 | 2826.6 |
| 17.5° | 2559.7 | 2557.1 | 2608.0 | 2643.6 | 2661.3 | 2691.8 | 2732.5 | 2791.0 | 2813.9 | 2818.9 | 2844.4 |
| 20°   | 2519.0 | 2519.0 | 2574.9 | 2613.0 | 2633.4 | 2661.3 | 2712.2 | 2768.1 | 2796.1 | 2801.1 | 2829.1 |
| 22.5° | 2463.1 | 2468.2 | 2521.5 | 2559.7 | 2590.2 | 2610.5 | 2663.9 | 2722.4 | 2747.8 | 2755.4 | 2785.9 |
| 25°   | 2389.4 | 2394.4 | 2445.3 | 2483.4 | 2516.5 | 2539.3 | 2590.2 | 2643.6 | 2674.1 | 2681.7 | 2704.6 |
| 27.5° | 2292.8 | 2302.9 | 2351.2 | 2389.4 | 2417.3 | 2432.6 | 2486.0 | 2541.9 | 2564.8 | 2572.4 | 2595.3 |
| 30°   | 2180.9 | 2183.5 | 2231.8 | 2264.8 | 2292.8 | 2305.5 | 2351.2 | 2409.7 | 2427.5 | 2435.1 | 2468.2 |
| 32.5° | 2043.7 | 2041.1 | 2086.9 | 2117.4 | 2140.3 | 2155.5 | 2203.8 | 2241.9 | 2259.7 | 2272.4 | 2290.2 |
| 35°   | 1878.4 | 1875.9 | 1908.9 | 1944.5 | 1962.3 | 1967.4 | 2015.7 | 2056.4 | 2066.5 | 2076.7 | 2099.6 |
| 37.5° | 1692.9 | 1692.9 | 1720.9 | 1738.6 | 1759.0 | 1766.6 | 1789.5 | 1835.2 | 1853.0 | 1850.5 | 1868.3 |
| 40°   | 1497.2 | 1487.0 | 1507.3 | 1525.1 | 1530.2 | 1532.8 | 1555.6 | 1591.2 | 1603.9 | 1603.9 | 1616.6 |
| 42.5° | 1291.3 | 1276.0 | 1278.6 | 1288.7 | 1293.8 | 1276.0 | 1291.3 | 1314.2 | 1306.5 | 1316.7 | 1319.2 |
| 45°   | 1072.7 | 1049.8 | 1039.6 | 1016.8 | 1021.8 | 1004.0 | 993.9  | 999.0  | 996.4  | 971.0  | 976.1  |
| 47.5° | 894.7  | 854.1  | 836.3  | 803.2  | 795.6  | 775.3  | 762.6  | 739.7  | 719.4  | 719.4  | 706.6  |
| 50°   | 744.8  | 704.1  | 668.5  | 630.4  | 617.7  | 599.9  | 571.9  | 541.4  | 526.2  | 510.9  | 498.2  |
| 52.5° | 625.3  | 582.1  | 538.9  | 498.2  | 480.4  | 457.5  | 419.4  | 388.9  | 360.9  | 345.7  | 330.4  |
| 55°   | 528.7  | 480.4  | 434.7  | 391.4  | 368.6  | 345.7  | 307.6  | 272.0  | 238.9  | 218.6  | 205.9  |
| 57.5° | 455.0  | 409.2  | 360.9  | 315.2  | 294.9  | 269.4  | 228.8  | 190.6  | 160.1  | 137.3  | 124.6  |
| 60°   | 401.6  | 355.9  | 312.7  | 264.4  | 244.0  | 218.6  | 175.4  | 139.8  | 109.3  | 89.0   | 73.7   |
| 62.5° | 355.9  | 315.2  | 269.4  | 226.2  | 205.9  | 180.5  | 139.8  | 104.2  | 76.3   | 55.9   | 43.2   |
| 65°   | 322.8  | 282.1  | 244.0  | 200.8  | 183.0  | 157.6  | 119.5  | 86.4   | 61.0   | 43.2   | 30.5   |
| 67.5° | 284.7  | 249.1  | 211.0  | 175.4  | 157.6  | 137.3  | 101.7  | 73.7   | 50.8   | 35.6   | 25.4   |
| 70°   | 238.9  | 211.0  | 177.9  | 144.9  | 132.2  | 114.4  | 83.9   | 61.0   | 40.7   | 28.0   | 20.3   |
| 72.5° | 190.6  | 167.8  | 142.3  | 116.9  | 106.8  | 89.0   | 68.6   | 48.3   | 30.5   | 20.3   | 15.3   |
| 75°   | 144.9  | 127.1  | 106.8  | 89.0   | 78.8   | 68.6   | 50.8   | 35.6   | 22.9   | 15.3   | 10.2   |
| 77.5° | 99.1   | 91.5   | 76.3   | 61.0   | 55.9   | 48.3   | 33.0   | 22.9   | 15.3   | 10.2   | 5.1    |
| 80°   | 68.6   | 61.0   | 50.8   | 40.7   | 35.6   | 30.5   | 20.3   | 15.3   | 7.6    | 5.1    | 2.5    |
| 82.5° | 43.2   | 35.6   | 30.5   | 25.4   | 22.9   | 17.8   | 12.7   | 7.6    | 5.1    | 2.5    | 2.5    |
| 85°   | 22.9   | 20.3   | 17.8   | 12.7   | 12.7   | 10.2   | 7.6    | 5.1    | 2.5    | 0.0    | 0.0    |
| 87.5° | 12.7   | 10.2   | 7.6    | 5.1    | 5.1    | 2.5    | 2.5    | 2.5    | 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):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 |
| 2.5°  | 2674.1 | 2674.1 | 2671.5 | 2702.0 | 2666.4 | 2702.0 | 2684.2 | 2702.0 | 2676.6 | 2674.1 | 2676.6 |
| 5°    | 2694.4 | 2702.0 | 2704.6 | 2732.5 | 2699.5 | 2742.7 | 2727.4 | 2742.7 | 2724.9 | 2730.0 | 2737.6 |
| 7.5°  | 2735.1 | 2747.8 | 2745.2 | 2780.8 | 2747.8 | 2796.1 | 2785.9 | 2808.8 | 2791.0 | 2796.1 | 2806.2 |
| 10°   | 2780.8 | 2796.1 | 2798.6 | 2834.2 | 2803.7 | 2862.2 | 2849.4 | 2874.9 | 2859.6 | 2867.2 | 2879.9 |
| 12.5° | 2834.2 | 2852.0 | 2854.5 | 2895.2 | 2862.2 | 2923.2 | 2915.5 | 2941.0 | 2928.2 | 2935.9 | 2951.1 |
| 15°   | 2874.9 | 2900.3 | 2905.4 | 2946.0 | 2910.4 | 2974.0 | 2968.9 | 3002.0 | 2981.6 | 2994.3 | 3007.0 |
| 17.5° | 2895.2 | 2918.1 | 2928.2 | 2966.4 | 2935.9 | 2999.4 | 2994.3 | 3022.3 | 3007.0 | 3019.8 | 3035.0 |
| 20°   | 2882.5 | 2910.4 | 2918.1 | 2956.2 | 2925.7 | 2989.2 | 2981.6 | 3009.6 | 2994.3 | 3004.5 | 3019.8 |
| 22.5° | 2836.7 | 2864.7 | 2874.9 | 2910.4 | 2882.5 | 2941.0 | 2938.4 | 2963.8 | 2943.5 | 2956.2 | 2968.9 |
| 25°   | 2755.4 | 2785.9 | 2791.0 | 2824.0 | 2793.5 | 2854.5 | 2849.4 | 2877.4 | 2862.2 | 2869.8 | 2887.6 |
| 27.5° | 2638.5 | 2674.1 | 2681.7 | 2709.6 | 2686.8 | 2737.6 | 2737.6 | 2760.5 | 2742.7 | 2742.7 | 2760.5 |
| 30°   | 2498.7 | 2534.3 | 2539.3 | 2562.2 | 2541.9 | 2587.6 | 2590.2 | 2613.0 | 2585.1 | 2600.3 | 2602.9 |
| 32.5° | 2328.4 | 2351.2 | 2366.5 | 2386.8 | 2356.3 | 2414.8 | 2407.2 | 2425.0 | 2409.7 | 2409.7 | 2422.4 |
| 35°   | 2122.5 | 2150.4 | 2158.1 | 2183.5 | 2158.1 | 2203.8 | 2203.8 | 2214.0 | 2198.7 | 2198.7 | 2219.1 |
| 37.5° | 1898.8 | 1919.1 | 1921.7 | 1947.1 | 1926.7 | 1964.9 | 1962.3 | 1970.0 | 1954.7 | 1964.9 | 1964.9 |
| 40°   | 1637.0 | 1652.2 | 1657.3 | 1670.0 | 1667.5 | 1695.4 | 1692.9 | 1698.0 | 1690.3 | 1692.9 | 1698.0 |
| 42.5° | 1331.9 | 1352.3 | 1362.4 | 1372.6 | 1357.4 | 1395.5 | 1387.9 | 1395.5 | 1392.9 | 1395.5 | 1403.1 |
| 45°   | 981.2  | 996.4  | 1004.0 | 1006.6 | 1001.5 | 1024.4 | 1042.2 | 1026.9 | 1029.5 | 1024.4 | 1034.5 |
| 47.5° | 709.2  | 711.7  | 706.6  | 721.9  | 709.2  | 719.4  | 724.4  | 727.0  | 711.7  | 709.2  | 719.4  |
| 50°   | 485.5  | 498.2  | 480.4  | 488.0  | 485.5  | 495.7  | 490.6  | 493.1  | 477.9  | 485.5  | 480.4  |
| 52.5° | 322.8  | 320.3  | 315.2  | 317.7  | 312.7  | 312.7  | 312.7  | 317.7  | 307.6  | 302.5  | 297.4  |
| 55°   | 195.7  | 190.6  | 180.5  | 177.9  | 177.9  | 180.5  | 175.4  | 170.3  | 170.3  | 167.8  | 167.8  |
| 57.5° | 114.4  | 106.8  | 101.7  | 99.1   | 94.0   | 91.5   | 89.0   | 89.0   | 83.9   | 83.9   | 83.9   |
| 60°   | 63.5   | 55.9   | 50.8   | 45.8   | 45.8   | 43.2   | 40.7   | 38.1   | 38.1   | 38.1   | 35.6   |
| 62.5° | 33.0   | 28.0   | 22.9   | 20.3   | 20.3   | 17.8   | 15.3   | 15.3   | 15.3   | 15.3   | 12.7   |
| 65°   | 22.9   | 17.8   | 15.3   | 12.7   | 12.7   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   |
| 67.5° | 17.8   | 15.3   | 12.7   | 10.2   | 10.2   | 10.2   | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    |
| 70°   | 15.3   | 10.2   | 10.2   | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    |
| 72.5° | 10.2   | 10.2   | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    |
| 75°   | 7.6    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    |
| 77.5° | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 2.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 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    | 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: P252204

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBSW1LI

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 | 2658.8 |
| 2.5°  | 2699.5 | 2696.9 | 2699.5 | 2704.6 | 2694.4 | 2724.9 | 2709.6 | 2724.9 |
| 5°    | 2757.9 | 2760.5 | 2763.0 | 2770.6 | 2757.9 | 2796.1 | 2775.7 | 2798.6 |
| 7.5°  | 2834.2 | 2836.7 | 2839.3 | 2846.9 | 2839.3 | 2877.4 | 2854.5 | 2874.9 |
| 10°   | 2913.0 | 2918.1 | 2918.1 | 2930.8 | 2923.2 | 2958.7 | 2943.5 | 2968.9 |
| 12.5° | 2986.7 | 2991.8 | 2996.9 | 3004.5 | 2999.4 | 3037.5 | 3024.8 | 3045.2 |
| 15°   | 3045.2 | 3055.3 | 3057.9 | 3068.0 | 3063.0 | 3103.6 | 3088.4 | 3108.7 |
| 17.5° | 3073.1 | 3083.3 | 3083.3 | 3096.0 | 3090.9 | 3134.1 | 3113.8 | 3136.7 |
| 20°   | 3057.9 | 3065.5 | 3068.0 | 3080.8 | 3075.7 | 3118.9 | 3098.5 | 3126.5 |
| 22.5° | 3009.6 | 3012.1 | 3014.7 | 3027.4 | 3024.8 | 3063.0 | 3045.2 | 3063.0 |
| 25°   | 2920.6 | 2928.2 | 2925.7 | 2935.9 | 2935.9 | 2966.4 | 2946.0 | 2961.3 |
| 27.5° | 2793.5 | 2801.1 | 2801.1 | 2813.9 | 2803.7 | 2834.2 | 2813.9 | 2836.7 |
| 30°   | 2638.5 | 2646.1 | 2641.0 | 2651.2 | 2641.0 | 2671.5 | 2656.3 | 2663.9 |
| 32.5° | 2452.9 | 2452.9 | 2455.5 | 2458.0 | 2452.9 | 2480.9 | 2465.6 | 2480.9 |
| 35°   | 2231.8 | 2236.9 | 2239.4 | 2241.9 | 2236.9 | 2257.2 | 2239.4 | 2249.6 |
| 37.5° | 1982.7 | 1995.4 | 1992.8 | 1995.4 | 1987.7 | 2013.2 | 1997.9 | 2003.0 |
| 40°   | 1715.8 | 1715.8 | 1713.2 | 1718.3 | 1710.7 | 1731.0 | 1720.9 | 1725.9 |
| 42.5° | 1405.7 | 1413.3 | 1403.1 | 1415.8 | 1395.5 | 1423.5 | 1413.3 | 1405.7 |
| 45°   | 1054.9 | 1044.7 | 1042.2 | 1044.7 | 1037.1 | 1039.6 | 1047.3 | 1042.2 |
| 47.5° | 719.4  | 719.4  | 714.3  | 706.6  | 716.8  | 719.4  | 709.2  | 709.2  |
| 50°   | 483.0  | 483.0  | 477.9  | 475.3  | 480.4  | 477.9  | 472.8  | 480.4  |
| 52.5° | 307.6  | 297.4  | 297.4  | 302.5  | 297.4  | 292.3  | 299.9  | 294.9  |
| 55°   | 167.8  | 162.7  | 162.7  | 167.8  | 162.7  | 162.7  | 160.1  | 165.2  |
| 57.5° | 81.3   | 83.9   | 81.3   | 81.3   | 81.3   | 81.3   | 78.8   | 81.3   |
| 60°   | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   |
| 62.5° | 15.3   | 15.3   | 12.7   | 12.7   | 12.7   | 12.7   | 12.7   | 12.7   |
| 65°   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   |
| 67.5° | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 10.2   | 7.6    | 7.6    |
| 70°   | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    |
| 72.5° | 7.6    | 7.6    | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   |
| 75°   | 5.1    | 5.1    | 5.1    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 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    |



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













(END OF REPORT)