

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: P252310

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBSW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252310  
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: LD6B60D010TE EU6B60708027 6LBSW1H  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5280.0 lumens  
Efficiency: N/A  
Efficacy: 84.5 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

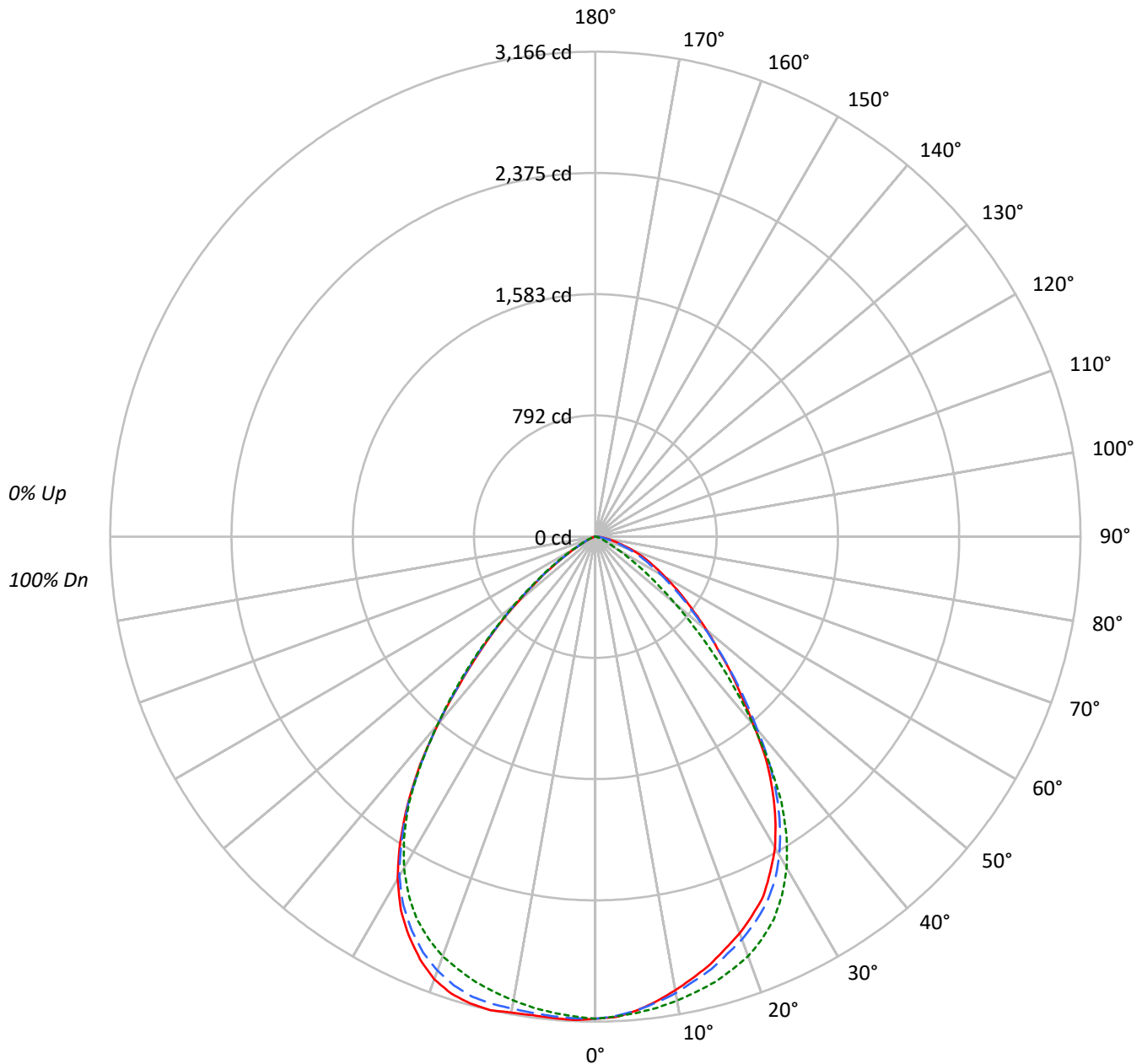
Input Watts (W): 62.48  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  |     |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 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°  | 205325 | 205325 | 205325 |
| 5°  | 203372 | 204368 | 206607 |
| 10° | 199178 | 203710 | 208996 |
| 15° | 195365 | 203329 | 213082 |
| 20° | 191322 | 202402 | 213490 |
| 25° | 186607 | 198369 | 207123 |
| 30° | 176672 | 188123 | 194428 |
| 35° | 160443 | 168615 | 170128 |
| 40° | 136929 | 136282 | 135635 |
| 45° | 115026 | 102053 | 98898  |
| 50° | 96056  | 69058  | 65587  |
| 55° | 80849  | 42369  | 38479  |
| 60° | 68437  | 22312  | 19337  |
| 65° | 59264  | 11732  | 9386   |
| 70° | 49309  | 7249   | 5074   |
| 75° | 36399  | 4789   | 2874   |
| 80° | 28554  | 2855   | 1428   |
| 85° | 22756  | 2844   | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 296.6  | 5.6       |
| 10°-20°   | 849.3  | 16.1      |
| 20°-30°   | 1254.1 | 23.8      |
| 30°-40°   | 1292.4 | 24.5      |
| 40°-50°   | 892.7  | 16.9      |
| 50°-60°   | 440.0  | 8.3       |
| 60°-70°   | 178.3  | 3.4       |
| 70°-80°   | 63.5   | 1.2       |
| 80°-90°   | 13.1   | 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°    | 2399.9 | 45.5      |
| 0°-40°    | 3692.4 | 69.9      |
| 0°-60°    | 5025.0 | 95.2      |
| 0°-90°    | 5280.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5280.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3147 | 3147 | 3147 | 3147 | 3147 |      |
| 5°  | 3105 | 3105 | 3121 | 3143 | 3155 | 293  |
| 15° | 2892 | 2923 | 3010 | 3109 | 3155 | 814  |
| 25° | 2592 | 2642 | 2756 | 2836 | 2877 | 1185 |
| 35° | 2014 | 2064 | 2117 | 2128 | 2136 | 1248 |
| 45° | 1247 | 1254 | 1106 | 1091 | 1072 | 964  |
| 55° | 711  | 684  | 372  | 350  | 338  | 642  |
| 65° | 384  | 346  | 76   | 61   | 61   | 381  |
| 75° | 144  | 122  | 19   | 11   | 11   | 162  |
| 85° | 30   | 23   | 4    | 0    | 0    | 37   |
| 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°    | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 |
| 2.5°  | 3139.6 | 3128.2 | 3135.8 | 3120.6 | 3139.6 | 3120.6 | 3124.4 | 3128.2 | 3124.4 | 3128.2 | 3132.0 |
| 5°    | 3105.4 | 3094.0 | 3105.4 | 3086.4 | 3105.4 | 3094.0 | 3094.0 | 3097.8 | 3097.8 | 3101.6 | 3105.4 |
| 7.5°  | 3059.8 | 3048.4 | 3059.8 | 3040.8 | 3063.6 | 3052.2 | 3052.2 | 3059.8 | 3056.0 | 3059.8 | 3067.4 |
| 10°   | 3006.6 | 2991.4 | 3002.8 | 2991.4 | 3014.2 | 2999.0 | 3006.6 | 3006.6 | 3006.6 | 3018.0 | 3025.6 |
| 12.5° | 2949.6 | 2934.4 | 2949.6 | 2930.5 | 2953.4 | 2942.0 | 2945.8 | 2957.2 | 2961.0 | 2968.6 | 2972.4 |
| 15°   | 2892.5 | 2873.5 | 2881.1 | 2869.7 | 2892.5 | 2881.1 | 2884.9 | 2900.1 | 2900.1 | 2911.5 | 2922.9 |
| 17.5° | 2820.3 | 2805.1 | 2820.3 | 2805.1 | 2824.1 | 2816.5 | 2824.1 | 2835.5 | 2835.5 | 2846.9 | 2858.3 |
| 20°   | 2755.7 | 2740.5 | 2751.9 | 2740.5 | 2763.3 | 2751.9 | 2755.7 | 2770.9 | 2774.7 | 2786.1 | 2797.5 |
| 22.5° | 2675.9 | 2664.5 | 2672.1 | 2660.7 | 2683.5 | 2675.9 | 2679.7 | 2694.9 | 2698.7 | 2706.3 | 2725.3 |
| 25°   | 2592.3 | 2569.5 | 2580.9 | 2573.3 | 2596.1 | 2584.7 | 2592.3 | 2607.5 | 2615.1 | 2626.5 | 2641.7 |
| 27.5° | 2470.6 | 2459.2 | 2466.8 | 2466.8 | 2485.8 | 2474.4 | 2478.2 | 2493.4 | 2504.8 | 2516.2 | 2535.2 |
| 30°   | 2345.2 | 2326.2 | 2333.8 | 2337.6 | 2352.8 | 2345.2 | 2352.8 | 2368.0 | 2371.8 | 2387.0 | 2402.2 |
| 32.5° | 2185.6 | 2178.0 | 2193.2 | 2185.6 | 2193.2 | 2193.2 | 2197.0 | 2208.4 | 2216.0 | 2223.6 | 2242.6 |
| 35°   | 2014.5 | 1999.3 | 2014.5 | 2006.9 | 2025.9 | 2014.5 | 2025.9 | 2037.3 | 2037.3 | 2052.5 | 2063.9 |
| 37.5° | 1828.3 | 1809.3 | 1816.9 | 1816.9 | 1824.5 | 1820.7 | 1820.7 | 1839.7 | 1843.5 | 1854.9 | 1866.3 |
| 40°   | 1607.8 | 1600.2 | 1615.4 | 1611.6 | 1615.4 | 1615.4 | 1619.2 | 1630.6 | 1638.2 | 1642.0 | 1645.8 |
| 42.5° | 1410.2 | 1414.0 | 1417.8 | 1417.8 | 1417.8 | 1417.8 | 1417.8 | 1433.0 | 1429.2 | 1440.6 | 1444.4 |
| 45°   | 1246.7 | 1231.5 | 1239.1 | 1235.3 | 1246.7 | 1235.3 | 1246.7 | 1258.1 | 1250.5 | 1261.9 | 1254.3 |
| 47.5° | 1079.5 | 1079.5 | 1079.5 | 1075.7 | 1083.3 | 1079.5 | 1087.1 | 1090.9 | 1090.9 | 1090.9 | 1087.1 |
| 50°   | 946.4  | 935.0  | 938.8  | 938.8  | 942.6  | 938.8  | 946.4  | 950.2  | 950.2  | 942.6  | 927.4  |
| 52.5° | 817.2  | 813.4  | 813.4  | 821.0  | 821.0  | 817.2  | 817.2  | 817.2  | 817.2  | 805.8  | 798.2  |
| 55°   | 710.8  | 703.2  | 707.0  | 707.0  | 707.0  | 707.0  | 710.8  | 707.0  | 707.0  | 695.6  | 684.2  |
| 57.5° | 615.8  | 608.2  | 608.2  | 608.2  | 612.0  | 608.2  | 608.2  | 608.2  | 604.4  | 593.0  | 577.7  |
| 60°   | 524.5  | 520.7  | 524.5  | 524.5  | 528.3  | 524.5  | 524.5  | 524.5  | 516.9  | 505.5  | 490.3  |
| 62.5° | 448.5  | 448.5  | 448.5  | 452.3  | 452.3  | 448.5  | 448.5  | 444.7  | 440.9  | 425.7  | 410.5  |
| 65°   | 383.9  | 380.1  | 383.9  | 383.9  | 387.7  | 387.7  | 383.9  | 380.1  | 376.3  | 361.1  | 345.9  |
| 67.5° | 319.3  | 315.5  | 319.3  | 319.3  | 323.1  | 319.3  | 319.3  | 319.3  | 307.9  | 300.3  | 285.1  |
| 70°   | 258.5  | 254.7  | 254.7  | 254.7  | 258.5  | 250.9  | 254.7  | 254.7  | 247.1  | 235.7  | 220.5  |
| 72.5° | 197.7  | 197.7  | 197.7  | 197.7  | 197.7  | 197.7  | 193.8  | 193.8  | 186.2  | 174.8  | 167.2  |
| 75°   | 144.4  | 144.4  | 148.2  | 148.2  | 144.4  | 144.4  | 144.4  | 140.6  | 136.8  | 129.2  | 121.6  |
| 77.5° | 106.4  | 106.4  | 106.4  | 106.4  | 102.6  | 102.6  | 102.6  | 98.8   | 95.0   | 91.2   | 83.6   |
| 80°   | 76.0   | 76.0   | 76.0   | 72.2   | 76.0   | 72.2   | 72.2   | 72.2   | 64.6   | 60.8   | 57.0   |
| 82.5° | 53.2   | 49.4   | 49.4   | 49.4   | 49.4   | 49.4   | 49.4   | 45.6   | 45.6   | 41.8   | 38.0   |
| 85°   | 30.4   | 30.4   | 30.4   | 30.4   | 30.4   | 30.4   | 30.4   | 30.4   | 26.6   | 22.8   | 22.8   |
| 87.5° | 15.2   | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   | 15.2   | 15.2   | 15.2   | 11.4   |
| 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°    | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 |
| 2.5°  | 3132.0 | 3132.0 | 3139.6 | 3128.2 | 3147.2 | 3135.8 | 3132.0 | 3151.0 | 3139.6 | 3135.8 | 3143.4 |
| 5°    | 3105.4 | 3109.2 | 3113.0 | 3105.4 | 3124.4 | 3113.0 | 3113.0 | 3132.0 | 3124.4 | 3120.6 | 3132.0 |
| 7.5°  | 3071.2 | 3075.0 | 3082.6 | 3078.8 | 3094.0 | 3086.4 | 3090.2 | 3109.2 | 3101.6 | 3101.6 | 3113.0 |
| 10°   | 3029.4 | 3037.0 | 3044.6 | 3044.6 | 3063.6 | 3056.0 | 3056.0 | 3078.8 | 3071.2 | 3075.0 | 3090.2 |
| 12.5° | 2980.0 | 2991.4 | 3002.8 | 3006.6 | 3025.6 | 3014.2 | 3018.0 | 3044.6 | 3040.8 | 3044.6 | 3059.8 |
| 15°   | 2926.7 | 2942.0 | 2953.4 | 2953.4 | 2976.2 | 2964.8 | 2976.2 | 3002.8 | 2995.2 | 3010.4 | 3029.4 |
| 17.5° | 2865.9 | 2881.1 | 2896.3 | 2900.1 | 2922.9 | 2915.3 | 2930.5 | 2957.2 | 2957.2 | 2964.8 | 2987.6 |
| 20°   | 2808.9 | 2827.9 | 2835.5 | 2846.9 | 2869.7 | 2865.9 | 2873.5 | 2903.9 | 2903.9 | 2915.3 | 2938.2 |
| 22.5° | 2732.9 | 2751.9 | 2767.1 | 2778.5 | 2797.5 | 2797.5 | 2808.9 | 2835.5 | 2835.5 | 2843.1 | 2865.9 |
| 25°   | 2649.3 | 2672.1 | 2683.5 | 2694.9 | 2713.9 | 2710.1 | 2721.5 | 2744.3 | 2748.1 | 2755.7 | 2778.5 |
| 27.5° | 2542.9 | 2561.9 | 2577.1 | 2584.7 | 2611.3 | 2596.1 | 2607.5 | 2634.1 | 2630.3 | 2637.9 | 2656.9 |
| 30°   | 2409.8 | 2428.8 | 2444.0 | 2444.0 | 2466.8 | 2466.8 | 2478.2 | 2489.6 | 2489.6 | 2497.2 | 2512.4 |
| 32.5° | 2254.0 | 2276.8 | 2276.8 | 2288.2 | 2303.4 | 2288.2 | 2303.4 | 2318.6 | 2311.0 | 2322.4 | 2333.8 |
| 35°   | 2075.3 | 2086.7 | 2090.5 | 2090.5 | 2101.9 | 2098.1 | 2094.3 | 2105.7 | 2098.1 | 2117.1 | 2128.5 |
| 37.5° | 1858.7 | 1873.9 | 1866.3 | 1873.9 | 1870.1 | 1858.7 | 1858.7 | 1877.7 | 1862.5 | 1866.3 | 1877.7 |
| 40°   | 1649.6 | 1649.6 | 1645.8 | 1626.8 | 1630.6 | 1619.2 | 1615.4 | 1619.2 | 1604.0 | 1600.2 | 1615.4 |
| 42.5° | 1433.0 | 1429.2 | 1417.8 | 1391.2 | 1395.0 | 1376.0 | 1360.7 | 1360.7 | 1353.1 | 1349.3 | 1353.1 |
| 45°   | 1239.1 | 1227.7 | 1208.7 | 1178.3 | 1170.7 | 1155.5 | 1125.1 | 1117.5 | 1106.1 | 1106.1 | 1109.9 |
| 47.5° | 1060.5 | 1045.3 | 1014.9 | 980.7  | 961.6  | 942.6  | 912.2  | 900.8  | 881.8  | 874.2  | 881.8  |
| 50°   | 912.2  | 885.6  | 847.6  | 798.2  | 779.2  | 756.4  | 726.0  | 707.0  | 688.0  | 680.4  | 676.6  |
| 52.5° | 775.4  | 737.4  | 699.4  | 638.6  | 623.4  | 600.6  | 558.7  | 539.7  | 520.7  | 505.5  | 505.5  |
| 55°   | 657.6  | 623.4  | 570.1  | 513.1  | 490.3  | 467.5  | 425.7  | 399.1  | 380.1  | 372.5  | 364.9  |
| 57.5° | 551.1  | 513.1  | 463.7  | 402.9  | 380.1  | 357.3  | 315.5  | 288.9  | 269.9  | 258.5  | 250.9  |
| 60°   | 463.7  | 421.9  | 372.5  | 319.3  | 292.7  | 269.9  | 228.1  | 201.5  | 182.4  | 171.0  | 163.4  |
| 62.5° | 380.1  | 345.9  | 296.5  | 247.1  | 224.3  | 201.5  | 167.2  | 140.6  | 121.6  | 114.0  | 102.6  |
| 65°   | 319.3  | 285.1  | 239.5  | 197.7  | 178.6  | 155.8  | 125.4  | 102.6  | 87.4   | 76.0   | 68.4   |
| 67.5° | 258.5  | 231.9  | 193.8  | 155.8  | 136.8  | 121.6  | 95.0   | 76.0   | 60.8   | 53.2   | 49.4   |
| 70°   | 205.3  | 178.6  | 148.2  | 117.8  | 106.4  | 91.2   | 72.2   | 53.2   | 45.6   | 38.0   | 34.2   |
| 72.5° | 152.0  | 133.0  | 110.2  | 87.4   | 76.0   | 68.4   | 49.4   | 41.8   | 30.4   | 26.6   | 22.8   |
| 75°   | 110.2  | 95.0   | 79.8   | 60.8   | 53.2   | 49.4   | 38.0   | 26.6   | 22.8   | 19.0   | 15.2   |
| 77.5° | 76.0   | 68.4   | 53.2   | 41.8   | 38.0   | 34.2   | 26.6   | 19.0   | 15.2   | 11.4   | 11.4   |
| 80°   | 49.4   | 41.8   | 34.2   | 26.6   | 26.6   | 22.8   | 15.2   | 11.4   | 11.4   | 7.6    | 7.6    |
| 82.5° | 30.4   | 26.6   | 22.8   | 19.0   | 15.2   | 15.2   | 11.4   | 7.6    | 7.6    | 3.8    | 3.8    |
| 85°   | 19.0   | 15.2   | 11.4   | 11.4   | 7.6    | 7.6    | 7.6    | 3.8    | 3.8    | 3.8    | 3.8    |
| 87.5° | 7.6    | 7.6    | 7.6    | 3.8    | 3.8    | 3.8    | 3.8    | 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):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 |
| 2.5°  | 3143.4 | 3143.4 | 3151.0 | 3139.6 | 3147.2 | 3147.2 | 3154.8 | 3139.6 | 3147.2 | 3151.0 | 3158.6 |
| 5°    | 3128.2 | 3132.0 | 3139.6 | 3135.8 | 3139.6 | 3139.6 | 3147.2 | 3128.2 | 3143.4 | 3143.4 | 3154.8 |
| 7.5°  | 3113.0 | 3113.0 | 3120.6 | 3116.8 | 3124.4 | 3128.2 | 3135.8 | 3120.6 | 3135.8 | 3135.8 | 3147.2 |
| 10°   | 3094.0 | 3094.0 | 3105.4 | 3101.6 | 3113.0 | 3116.8 | 3128.2 | 3113.0 | 3128.2 | 3132.0 | 3143.4 |
| 12.5° | 3067.4 | 3071.2 | 3082.6 | 3082.6 | 3094.0 | 3101.6 | 3113.0 | 3105.4 | 3124.4 | 3128.2 | 3143.4 |
| 15°   | 3037.0 | 3044.6 | 3059.8 | 3056.0 | 3067.4 | 3078.8 | 3094.0 | 3082.6 | 3109.2 | 3116.8 | 3132.0 |
| 17.5° | 2999.0 | 3006.6 | 3018.0 | 3018.0 | 3029.4 | 3037.0 | 3056.0 | 3048.4 | 3071.2 | 3075.0 | 3094.0 |
| 20°   | 2942.0 | 2953.4 | 2968.6 | 2964.8 | 2976.2 | 2983.8 | 2999.0 | 2991.4 | 3014.2 | 3021.8 | 3040.8 |
| 22.5° | 2873.5 | 2881.1 | 2892.5 | 2892.5 | 2903.9 | 2911.5 | 2926.7 | 2915.3 | 2938.2 | 2942.0 | 2957.2 |
| 25°   | 2782.3 | 2789.9 | 2797.5 | 2801.3 | 2812.7 | 2816.5 | 2824.1 | 2816.5 | 2835.5 | 2839.3 | 2858.3 |
| 27.5° | 2664.5 | 2668.3 | 2679.7 | 2679.7 | 2687.3 | 2691.1 | 2702.5 | 2687.3 | 2713.9 | 2713.9 | 2725.3 |
| 30°   | 2523.8 | 2520.0 | 2535.2 | 2527.6 | 2535.2 | 2535.2 | 2546.7 | 2539.0 | 2558.1 | 2550.5 | 2561.9 |
| 32.5° | 2337.6 | 2345.2 | 2345.2 | 2337.6 | 2352.8 | 2349.0 | 2349.0 | 2341.4 | 2352.8 | 2356.6 | 2364.2 |
| 35°   | 2120.9 | 2132.3 | 2132.3 | 2136.1 | 2139.9 | 2128.5 | 2132.3 | 2109.5 | 2128.5 | 2132.3 | 2136.1 |
| 37.5° | 1885.3 | 1873.9 | 1881.5 | 1870.1 | 1889.1 | 1866.3 | 1866.3 | 1851.1 | 1866.3 | 1866.3 | 1870.1 |
| 40°   | 1615.4 | 1611.6 | 1619.2 | 1611.6 | 1607.8 | 1604.0 | 1596.4 | 1585.0 | 1600.2 | 1592.6 | 1604.0 |
| 42.5° | 1360.7 | 1356.9 | 1356.9 | 1349.3 | 1345.5 | 1345.5 | 1337.9 | 1330.3 | 1326.5 | 1326.5 | 1345.5 |
| 45°   | 1098.5 | 1106.1 | 1098.5 | 1094.7 | 1102.3 | 1094.7 | 1098.5 | 1083.3 | 1090.9 | 1083.3 | 1090.9 |
| 47.5° | 878.0  | 881.8  | 874.2  | 866.6  | 878.0  | 866.6  | 866.6  | 855.2  | 870.4  | 870.4  | 862.8  |
| 50°   | 680.4  | 676.6  | 669.0  | 676.6  | 672.8  | 672.8  | 672.8  | 661.4  | 669.0  | 657.6  | 665.2  |
| 52.5° | 501.7  | 497.9  | 497.9  | 494.1  | 497.9  | 494.1  | 494.1  | 490.3  | 490.3  | 486.5  | 490.3  |
| 55°   | 364.9  | 361.1  | 353.5  | 353.5  | 353.5  | 357.3  | 353.5  | 349.7  | 349.7  | 345.9  | 349.7  |
| 57.5° | 247.1  | 239.5  | 239.5  | 239.5  | 239.5  | 235.7  | 235.7  | 231.9  | 235.7  | 231.9  | 235.7  |
| 60°   | 159.6  | 159.6  | 152.0  | 152.0  | 152.0  | 152.0  | 152.0  | 148.2  | 152.0  | 152.0  | 152.0  |
| 62.5° | 98.8   | 98.8   | 95.0   | 91.2   | 95.0   | 91.2   | 91.2   | 91.2   | 95.0   | 91.2   | 95.0   |
| 65°   | 64.6   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   |
| 67.5° | 45.6   | 41.8   | 41.8   | 41.8   | 41.8   | 41.8   | 41.8   | 38.0   | 41.8   | 41.8   | 41.8   |
| 70°   | 30.4   | 30.4   | 26.6   | 26.6   | 26.6   | 26.6   | 26.6   | 26.6   | 26.6   | 26.6   | 26.6   |
| 72.5° | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   |
| 75°   | 15.2   | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   |
| 77.5° | 11.4   | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    |
| 80°   | 7.6    | 7.6    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 82.5° | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 85°   | 3.8    | 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    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 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: P252310

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBSW1H

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 | 3147.2 |
| 2.5°  | 3147.2 | 3151.0 | 3143.4 | 3147.2 | 3139.6 | 3147.2 | 3151.0 | 3158.6 |
| 5°    | 3139.6 | 3143.4 | 3135.8 | 3143.4 | 3135.8 | 3143.4 | 3147.2 | 3154.8 |
| 7.5°  | 3132.0 | 3139.6 | 3132.0 | 3139.6 | 3132.0 | 3139.6 | 3143.4 | 3151.0 |
| 10°   | 3132.0 | 3143.4 | 3135.8 | 3147.2 | 3135.8 | 3143.4 | 3151.0 | 3154.8 |
| 12.5° | 3132.0 | 3143.4 | 3139.6 | 3147.2 | 3143.4 | 3151.0 | 3158.6 | 3166.2 |
| 15°   | 3124.4 | 3135.8 | 3128.2 | 3139.6 | 3135.8 | 3139.6 | 3154.8 | 3154.8 |
| 17.5° | 3082.6 | 3094.0 | 3094.0 | 3101.6 | 3101.6 | 3113.0 | 3120.6 | 3128.2 |
| 20°   | 3029.4 | 3040.8 | 3037.0 | 3048.4 | 3048.4 | 3059.8 | 3067.4 | 3075.0 |
| 22.5° | 2949.6 | 2964.8 | 2961.0 | 2972.4 | 2968.6 | 2976.2 | 2991.4 | 2987.6 |
| 25°   | 2846.9 | 2865.9 | 2862.1 | 2869.7 | 2865.9 | 2865.9 | 2873.5 | 2877.3 |
| 27.5° | 2721.5 | 2732.9 | 2729.1 | 2736.7 | 2729.1 | 2736.7 | 2744.3 | 2748.1 |
| 30°   | 2558.1 | 2565.7 | 2561.9 | 2565.7 | 2561.9 | 2569.5 | 2573.3 | 2580.9 |
| 32.5° | 2360.4 | 2371.8 | 2360.4 | 2368.0 | 2364.2 | 2364.2 | 2379.4 | 2371.8 |
| 35°   | 2124.7 | 2128.5 | 2132.3 | 2132.3 | 2124.7 | 2128.5 | 2136.1 | 2136.1 |
| 37.5° | 1862.5 | 1881.5 | 1858.7 | 1870.1 | 1866.3 | 1866.3 | 1866.3 | 1877.7 |
| 40°   | 1588.8 | 1592.6 | 1585.0 | 1585.0 | 1585.0 | 1581.2 | 1596.4 | 1592.6 |
| 42.5° | 1330.3 | 1334.1 | 1330.3 | 1318.9 | 1322.7 | 1322.7 | 1334.1 | 1318.9 |
| 45°   | 1079.5 | 1087.1 | 1083.3 | 1083.3 | 1075.7 | 1075.7 | 1079.5 | 1071.9 |
| 47.5° | 855.2  | 862.8  | 851.4  | 855.2  | 847.6  | 855.2  | 851.4  | 859.0  |
| 50°   | 650.0  | 657.6  | 653.8  | 657.6  | 657.6  | 650.0  | 661.4  | 646.2  |
| 52.5° | 486.5  | 490.3  | 486.5  | 482.7  | 478.9  | 478.9  | 486.5  | 482.7  |
| 55°   | 345.9  | 342.1  | 342.1  | 342.1  | 345.9  | 345.9  | 342.1  | 338.3  |
| 57.5° | 231.9  | 231.9  | 228.1  | 228.1  | 231.9  | 224.3  | 228.1  | 224.3  |
| 60°   | 148.2  | 148.2  | 148.2  | 148.2  | 144.4  | 148.2  | 148.2  | 148.2  |
| 62.5° | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   |
| 65°   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   |
| 67.5° | 38.0   | 41.8   | 41.8   | 41.8   | 38.0   | 38.0   | 38.0   | 38.0   |
| 70°   | 26.6   | 26.6   | 26.6   | 26.6   | 26.6   | 26.6   | 26.6   | 26.6   |
| 72.5° | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   | 19.0   |
| 75°   | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   |
| 77.5° | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    |
| 80°   | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 82.5° | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 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)