

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: P252414

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBLWW1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-5)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B60D010TE EU6B60708027 6LBLWW1LI  
Description: PORTFOLIO 6 INCH LENS WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5166.0 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.03 / 1.12  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

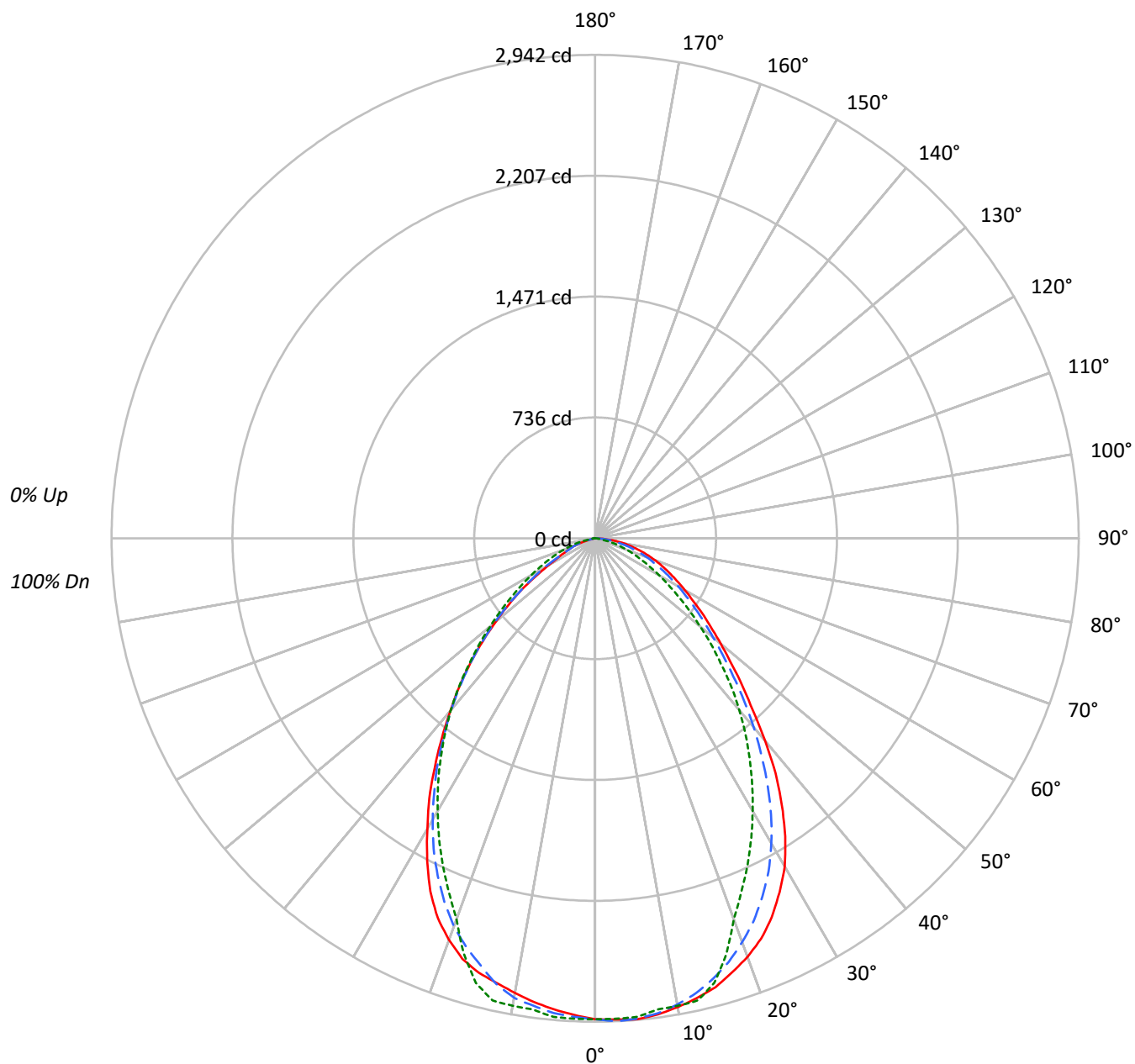
Input Watts (W): 62.48  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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 |
| 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 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  |    |    |
| 2   | 103 | 96  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 86  | 83  | 88  | 84  | 81  | 85  | 82  | 79  | 77  |    |    |
| 3   | 95  | 86  | 80  | 74  | 93  | 85  | 79  | 73  | 82  | 77  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  |    |    |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 64  | 74  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 62  | 60  |    |    |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 63  | 57  | 68  | 62  | 57  | 66  | 60  | 56  | 64  | 59  | 55  | 54  |    |    |
| 6   | 77  | 65  | 57  | 51  | 75  | 64  | 57  | 51  | 62  | 56  | 51  | 61  | 55  | 50  | 59  | 54  | 50  | 48  |    |    |
| 7   | 72  | 60  | 52  | 46  | 70  | 59  | 51  | 46  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 49  | 45  | 44  |    |    |
| 8   | 67  | 55  | 47  | 42  | 66  | 54  | 47  | 42  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 40  |    |    |
| 9   | 63  | 51  | 43  | 38  | 62  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 36  |    |    |
| 10  | 59  | 47  | 40  | 35  | 58  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 33  |    |    |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 190966 | 190966 | 190966 |
| 5°  | 192442 | 191446 | 188460 |
| 10° | 191898 | 191394 | 186108 |
| 15° | 191029 | 189233 | 184863 |
| 20° | 188177 | 171285 | 180526 |
| 25° | 183072 | 157892 | 170756 |
| 30° | 173832 | 144331 | 153786 |
| 35° | 157735 | 130489 | 135331 |
| 40° | 136946 | 116225 | 116549 |
| 45° | 116797 | 99959  | 98907  |
| 50° | 101090 | 84496  | 79868  |
| 55° | 90369  | 70476  | 61831  |
| 60° | 82334  | 58534  | 41663  |
| 65° | 76877  | 48118  | 31106  |
| 70° | 73229  | 39161  | 26114  |
| 75° | 68992  | 27778  | 8621   |
| 80° | 65711  | 14277  | 2855   |
| 85° | 54045  | 8533   | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 276.4  | 5.4       |
| 10°-20°   | 773.1  | 15.0      |
| 20°-30°   | 1067.1 | 20.7      |
| 30°-40°   | 1085.9 | 21.0      |
| 40°-50°   | 872.7  | 16.9      |
| 50°-60°   | 580.3  | 11.2      |
| 60°-70°   | 330.7  | 6.4       |
| 70°-80°   | 148.5  | 2.9       |
| 80°-90°   | 31.3   | 0.6       |
| 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°    | 2116.6 | 41.0      |
| 0°-40°    | 3202.5 | 62.0      |
| 0°-60°    | 4655.5 | 90.1      |
| 0°-90°    | 5166.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5166.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2927 | 2927 | 2927 | 2927 | 2927 |      |
| 5°  | 2938 | 2935 | 2923 | 2900 | 2878 | 279  |
| 15° | 2828 | 2775 | 2802 | 2691 | 2737 | 796  |
| 25° | 2543 | 2406 | 2193 | 2266 | 2372 | 1165 |
| 35° | 1980 | 1828 | 1638 | 1669 | 1699 | 1231 |
| 45° | 1266 | 1190 | 1083 | 1072 | 1072 | 982  |
| 55° | 794  | 741  | 620  | 551  | 544  | 714  |
| 65° | 498  | 445  | 312  | 202  | 202  | 496  |
| 75° | 274  | 228  | 110  | 46   | 34   | 292  |
| 85° | 72   | 49   | 11   | 4    | 0    | 86   |
| 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°    | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 |
| 2.5°  | 2930.9 | 2946.1 | 2942.3 | 2938.5 | 2942.3 | 2938.5 | 2930.9 | 2930.9 | 2923.3 | 2923.3 | 2942.3 |
| 5°    | 2938.5 | 2946.1 | 2942.3 | 2938.5 | 2938.5 | 2942.3 | 2927.1 | 2927.1 | 2919.5 | 2915.7 | 2934.7 |
| 7.5°  | 2923.3 | 2934.7 | 2927.1 | 2927.1 | 2923.3 | 2927.1 | 2911.9 | 2911.9 | 2900.5 | 2896.7 | 2915.7 |
| 10°   | 2896.7 | 2911.9 | 2904.3 | 2904.3 | 2904.3 | 2896.7 | 2889.1 | 2885.3 | 2873.9 | 2870.1 | 2881.5 |
| 12.5° | 2866.3 | 2877.7 | 2873.9 | 2866.3 | 2866.3 | 2866.3 | 2851.1 | 2847.3 | 2832.1 | 2824.5 | 2835.9 |
| 15°   | 2828.3 | 2835.9 | 2832.1 | 2828.3 | 2820.7 | 2820.7 | 2805.5 | 2797.9 | 2782.6 | 2767.4 | 2775.0 |
| 17.5° | 2771.2 | 2782.6 | 2775.0 | 2771.2 | 2759.8 | 2759.8 | 2744.6 | 2737.0 | 2714.2 | 2699.0 | 2702.8 |
| 20°   | 2710.4 | 2714.2 | 2710.4 | 2702.8 | 2691.4 | 2687.6 | 2672.4 | 2657.2 | 2638.2 | 2619.2 | 2615.4 |
| 22.5° | 2638.2 | 2642.0 | 2630.6 | 2623.0 | 2611.6 | 2607.8 | 2588.8 | 2577.4 | 2547.0 | 2524.1 | 2520.3 |
| 25°   | 2543.2 | 2547.0 | 2547.0 | 2527.9 | 2520.3 | 2512.7 | 2493.7 | 2474.7 | 2448.1 | 2417.7 | 2406.3 |
| 27.5° | 2429.1 | 2440.5 | 2432.9 | 2413.9 | 2398.7 | 2394.9 | 2375.9 | 2360.7 | 2326.5 | 2299.9 | 2284.7 |
| 30°   | 2307.5 | 2303.7 | 2299.9 | 2288.5 | 2265.7 | 2261.8 | 2242.8 | 2223.8 | 2197.2 | 2163.0 | 2144.0 |
| 32.5° | 2151.6 | 2151.6 | 2147.8 | 2136.4 | 2113.6 | 2106.0 | 2090.8 | 2068.0 | 2037.6 | 2011.0 | 1991.9 |
| 35°   | 1980.5 | 1984.3 | 1980.5 | 1957.7 | 1942.5 | 1934.9 | 1927.3 | 1900.7 | 1874.1 | 1843.7 | 1828.5 |
| 37.5° | 1801.9 | 1790.5 | 1794.3 | 1775.3 | 1756.3 | 1763.9 | 1741.1 | 1729.6 | 1699.2 | 1676.4 | 1661.2 |
| 40°   | 1608.0 | 1615.6 | 1600.4 | 1592.8 | 1581.4 | 1570.0 | 1570.0 | 1551.0 | 1535.8 | 1509.2 | 1501.6 |
| 42.5° | 1417.9 | 1429.3 | 1425.5 | 1417.9 | 1402.7 | 1406.5 | 1387.5 | 1379.9 | 1360.9 | 1349.5 | 1338.1 |
| 45°   | 1265.9 | 1265.9 | 1265.9 | 1258.3 | 1254.5 | 1246.9 | 1235.5 | 1224.1 | 1212.7 | 1197.4 | 1189.8 |
| 47.5° | 1117.6 | 1117.6 | 1121.4 | 1113.8 | 1106.2 | 1102.4 | 1094.8 | 1094.8 | 1075.8 | 1060.6 | 1053.0 |
| 50°   | 996.0  | 996.0  | 996.0  | 988.4  | 980.8  | 980.8  | 973.2  | 965.6  | 954.2  | 942.8  | 935.2  |
| 52.5° | 885.7  | 885.7  | 885.7  | 878.1  | 874.3  | 870.5  | 866.7  | 862.9  | 847.7  | 840.1  | 832.5  |
| 55°   | 794.5  | 790.7  | 790.7  | 786.9  | 779.3  | 779.3  | 775.5  | 767.9  | 756.5  | 745.1  | 741.3  |
| 57.5° | 703.3  | 707.1  | 703.3  | 703.3  | 695.7  | 695.7  | 688.1  | 684.3  | 672.9  | 665.2  | 657.6  |
| 60°   | 631.0  | 631.0  | 631.0  | 627.2  | 619.6  | 623.4  | 615.8  | 612.0  | 600.6  | 589.2  | 581.6  |
| 62.5° | 558.8  | 562.6  | 562.6  | 558.8  | 551.2  | 551.2  | 547.4  | 543.6  | 532.2  | 520.8  | 509.4  |
| 65°   | 498.0  | 498.0  | 498.0  | 494.2  | 490.4  | 490.4  | 486.6  | 482.8  | 471.4  | 456.2  | 444.8  |
| 67.5° | 441.0  | 437.2  | 437.2  | 437.2  | 433.4  | 429.6  | 425.8  | 422.0  | 410.6  | 399.1  | 383.9  |
| 70°   | 383.9  | 383.9  | 383.9  | 380.1  | 372.5  | 376.3  | 372.5  | 368.7  | 357.3  | 345.9  | 334.5  |
| 72.5° | 330.7  | 330.7  | 326.9  | 323.1  | 323.1  | 319.3  | 319.3  | 315.5  | 304.1  | 288.9  | 277.5  |
| 75°   | 273.7  | 273.7  | 273.7  | 273.7  | 266.1  | 269.9  | 262.3  | 258.5  | 250.9  | 239.5  | 228.1  |
| 77.5° | 224.3  | 224.3  | 224.3  | 220.5  | 216.7  | 216.7  | 212.9  | 209.1  | 197.7  | 190.1  | 174.9  |
| 80°   | 174.9  | 174.9  | 174.9  | 174.9  | 171.1  | 167.3  | 163.5  | 159.7  | 152.1  | 140.7  | 129.2  |
| 82.5° | 129.2  | 129.2  | 125.4  | 125.4  | 125.4  | 121.6  | 117.8  | 114.0  | 106.4  | 98.8   | 91.2   |
| 85°   | 72.2   | 76.0   | 76.0   | 68.4   | 72.2   | 68.4   | 68.4   | 60.8   | 60.8   | 53.2   | 49.4   |
| 87.5° | 26.6   | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   | 19.0   | 19.0   | 19.0   | 15.2   |
| 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°    | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 |
| 2.5°  | 2927.1 | 2923.3 | 2938.5 | 2938.5 | 2915.7 | 2927.1 | 2930.9 | 2923.3 | 2923.3 | 2927.1 | 2915.7 |
| 5°    | 2919.5 | 2911.9 | 2927.1 | 2930.9 | 2908.1 | 2919.5 | 2923.3 | 2915.7 | 2919.5 | 2923.3 | 2908.1 |
| 7.5°  | 2892.9 | 2892.9 | 2904.3 | 2908.1 | 2885.3 | 2896.7 | 2896.7 | 2889.1 | 2892.9 | 2892.9 | 2881.5 |
| 10°   | 2866.3 | 2854.9 | 2866.3 | 2866.3 | 2847.3 | 2851.1 | 2858.7 | 2854.9 | 2870.1 | 2889.1 | 2889.1 |
| 12.5° | 2816.9 | 2805.5 | 2824.5 | 2824.5 | 2813.1 | 2828.3 | 2847.3 | 2858.7 | 2873.9 | 2881.5 | 2858.7 |
| 15°   | 2756.0 | 2759.8 | 2794.0 | 2820.7 | 2809.3 | 2832.1 | 2851.1 | 2843.5 | 2824.5 | 2801.7 | 2767.4 |
| 17.5° | 2676.2 | 2664.8 | 2695.2 | 2710.4 | 2695.2 | 2702.8 | 2718.0 | 2702.8 | 2672.4 | 2653.4 | 2607.8 |
| 20°   | 2585.0 | 2554.6 | 2554.6 | 2547.0 | 2520.3 | 2520.3 | 2516.5 | 2489.9 | 2478.5 | 2467.1 | 2448.1 |
| 22.5° | 2482.3 | 2448.1 | 2436.7 | 2413.9 | 2391.1 | 2387.3 | 2375.9 | 2349.3 | 2334.1 | 2326.5 | 2303.7 |
| 25°   | 2364.5 | 2334.1 | 2315.1 | 2292.3 | 2258.0 | 2250.4 | 2239.0 | 2212.4 | 2204.8 | 2193.4 | 2174.4 |
| 27.5° | 2242.8 | 2204.8 | 2178.2 | 2155.4 | 2125.0 | 2121.2 | 2098.4 | 2079.4 | 2064.2 | 2056.6 | 2041.4 |
| 30°   | 2102.2 | 2060.4 | 2041.4 | 2011.0 | 1988.1 | 1980.5 | 1961.5 | 1934.9 | 1923.5 | 1915.9 | 1904.5 |
| 32.5° | 1946.3 | 1912.1 | 1893.1 | 1866.5 | 1836.1 | 1839.9 | 1817.1 | 1794.3 | 1786.7 | 1779.1 | 1767.7 |
| 35°   | 1794.3 | 1760.1 | 1737.3 | 1714.4 | 1695.4 | 1687.8 | 1672.6 | 1653.6 | 1642.2 | 1638.4 | 1630.8 |
| 37.5° | 1627.0 | 1600.4 | 1581.4 | 1558.6 | 1543.4 | 1535.8 | 1528.2 | 1509.2 | 1501.6 | 1501.6 | 1486.4 |
| 40°   | 1463.5 | 1440.7 | 1425.5 | 1414.1 | 1395.1 | 1391.3 | 1383.7 | 1372.3 | 1368.5 | 1364.7 | 1353.3 |
| 42.5° | 1315.3 | 1284.9 | 1273.5 | 1265.9 | 1254.5 | 1246.9 | 1243.1 | 1235.5 | 1231.7 | 1227.9 | 1216.5 |
| 45°   | 1174.6 | 1148.0 | 1136.6 | 1129.0 | 1117.6 | 1113.8 | 1110.0 | 1098.6 | 1091.0 | 1083.4 | 1079.6 |
| 47.5° | 1037.8 | 1018.8 | 1015.0 | 996.0  | 988.4  | 980.8  | 973.2  | 965.6  | 961.8  | 958.0  | 942.8  |
| 50°   | 919.9  | 908.5  | 889.5  | 878.1  | 870.5  | 866.7  | 851.5  | 840.1  | 836.3  | 832.5  | 821.1  |
| 52.5° | 813.5  | 798.3  | 786.9  | 767.9  | 764.1  | 756.5  | 748.9  | 733.7  | 726.1  | 722.3  | 710.9  |
| 55°   | 718.5  | 707.1  | 691.9  | 676.7  | 665.2  | 661.4  | 650.0  | 634.8  | 627.2  | 619.6  | 612.0  |
| 57.5° | 638.6  | 619.6  | 604.4  | 589.2  | 581.6  | 570.2  | 558.8  | 551.2  | 539.8  | 528.4  | 517.0  |
| 60°   | 562.6  | 547.4  | 528.4  | 513.2  | 505.6  | 498.0  | 482.8  | 471.4  | 460.0  | 448.6  | 437.2  |
| 62.5° | 490.4  | 475.2  | 456.2  | 441.0  | 433.4  | 425.8  | 410.6  | 399.1  | 387.7  | 376.3  | 361.1  |
| 65°   | 425.8  | 410.6  | 395.3  | 380.1  | 372.5  | 364.9  | 349.7  | 334.5  | 323.1  | 311.7  | 296.5  |
| 67.5° | 372.5  | 353.5  | 338.3  | 323.1  | 315.5  | 307.9  | 292.7  | 281.3  | 266.1  | 254.7  | 239.5  |
| 70°   | 315.5  | 300.3  | 288.9  | 273.7  | 266.1  | 258.5  | 243.3  | 228.1  | 216.7  | 205.3  | 190.1  |
| 72.5° | 266.1  | 247.1  | 235.7  | 220.5  | 212.9  | 209.1  | 193.9  | 182.5  | 171.1  | 155.9  | 144.5  |
| 75°   | 212.9  | 197.7  | 182.5  | 171.1  | 163.5  | 159.7  | 144.5  | 133.0  | 121.6  | 110.2  | 98.8   |
| 77.5° | 163.5  | 152.1  | 136.9  | 125.4  | 117.8  | 114.0  | 98.8   | 87.4   | 76.0   | 68.4   | 57.0   |
| 80°   | 121.6  | 106.4  | 98.8   | 87.4   | 83.6   | 76.0   | 68.4   | 57.0   | 49.4   | 38.0   | 30.4   |
| 82.5° | 83.6   | 72.2   | 64.6   | 57.0   | 53.2   | 49.4   | 41.8   | 34.2   | 26.6   | 22.8   | 19.0   |
| 85°   | 45.6   | 38.0   | 34.2   | 30.4   | 26.6   | 26.6   | 22.8   | 19.0   | 15.2   | 11.4   | 7.6    |
| 87.5° | 15.2   | 11.4   | 11.4   | 11.4   | 11.4   | 7.6    | 7.6    | 7.6    | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 |
| 2.5°  | 2923.3 | 2923.3 | 2923.3 | 2919.5 | 2919.5 | 2919.5 | 2915.7 | 2930.9 | 2915.7 | 2911.9 | 2923.3 |
| 5°    | 2919.5 | 2911.9 | 2911.9 | 2911.9 | 2911.9 | 2908.1 | 2904.3 | 2911.9 | 2900.5 | 2896.7 | 2896.7 |
| 7.5°  | 2896.7 | 2892.9 | 2892.9 | 2889.1 | 2885.3 | 2881.5 | 2877.7 | 2881.5 | 2870.1 | 2866.3 | 2866.3 |
| 10°   | 2900.5 | 2892.9 | 2892.9 | 2881.5 | 2873.9 | 2862.5 | 2851.1 | 2854.9 | 2839.7 | 2828.3 | 2828.3 |
| 12.5° | 2854.9 | 2835.9 | 2824.5 | 2813.1 | 2805.5 | 2801.7 | 2786.4 | 2794.0 | 2778.8 | 2775.0 | 2775.0 |
| 15°   | 2752.2 | 2729.4 | 2710.4 | 2702.8 | 2702.8 | 2695.2 | 2683.8 | 2699.0 | 2691.4 | 2695.2 | 2714.2 |
| 17.5° | 2592.6 | 2581.2 | 2569.8 | 2566.0 | 2569.8 | 2577.4 | 2585.0 | 2607.8 | 2607.8 | 2619.2 | 2638.2 |
| 20°   | 2451.9 | 2444.3 | 2451.9 | 2451.9 | 2455.7 | 2470.9 | 2486.1 | 2505.1 | 2512.7 | 2524.1 | 2550.8 |
| 22.5° | 2315.1 | 2315.1 | 2322.7 | 2334.1 | 2330.3 | 2356.9 | 2360.7 | 2394.9 | 2394.9 | 2417.7 | 2440.5 |
| 25°   | 2182.0 | 2182.0 | 2189.6 | 2193.4 | 2201.0 | 2216.2 | 2231.4 | 2258.0 | 2265.7 | 2288.5 | 2307.5 |
| 27.5° | 2052.8 | 2049.0 | 2049.0 | 2052.8 | 2060.4 | 2079.4 | 2087.0 | 2117.4 | 2128.8 | 2144.0 | 2163.0 |
| 30°   | 1908.3 | 1904.5 | 1912.1 | 1919.7 | 1915.9 | 1934.9 | 1946.3 | 1969.1 | 1976.7 | 1991.9 | 2007.2 |
| 32.5° | 1771.5 | 1771.5 | 1771.5 | 1779.1 | 1779.1 | 1794.3 | 1794.3 | 1820.9 | 1820.9 | 1832.3 | 1847.5 |
| 35°   | 1630.8 | 1630.8 | 1634.6 | 1638.4 | 1642.2 | 1646.0 | 1649.8 | 1665.0 | 1668.8 | 1672.6 | 1680.2 |
| 37.5° | 1497.8 | 1494.0 | 1497.8 | 1497.8 | 1490.2 | 1505.4 | 1505.4 | 1520.6 | 1509.2 | 1520.6 | 1524.4 |
| 40°   | 1360.9 | 1360.9 | 1357.1 | 1357.1 | 1357.1 | 1364.7 | 1357.1 | 1368.5 | 1360.9 | 1368.5 | 1364.7 |
| 42.5° | 1220.3 | 1220.3 | 1212.7 | 1220.3 | 1216.5 | 1216.5 | 1216.5 | 1224.1 | 1212.7 | 1220.3 | 1224.1 |
| 45°   | 1079.6 | 1075.8 | 1075.8 | 1072.0 | 1072.0 | 1072.0 | 1075.8 | 1075.8 | 1072.0 | 1079.6 | 1079.6 |
| 47.5° | 942.8  | 939.0  | 939.0  | 939.0  | 939.0  | 942.8  | 931.3  | 939.0  | 931.3  | 931.3  | 931.3  |
| 50°   | 824.9  | 821.1  | 817.3  | 813.5  | 809.7  | 809.7  | 805.9  | 805.9  | 798.3  | 794.5  | 790.7  |
| 52.5° | 710.9  | 707.1  | 699.5  | 699.5  | 695.7  | 691.9  | 680.5  | 680.5  | 669.1  | 665.2  | 665.2  |
| 55°   | 608.2  | 596.8  | 593.0  | 585.4  | 585.4  | 577.8  | 570.2  | 562.6  | 551.2  | 543.6  | 543.6  |
| 57.5° | 513.2  | 501.8  | 494.2  | 490.4  | 486.6  | 479.0  | 463.8  | 460.0  | 444.8  | 441.0  | 437.2  |
| 60°   | 429.6  | 418.2  | 406.8  | 399.1  | 395.3  | 383.9  | 368.7  | 361.1  | 353.5  | 342.1  | 330.7  |
| 62.5° | 349.7  | 338.3  | 323.1  | 319.3  | 311.7  | 300.3  | 288.9  | 277.5  | 269.9  | 258.5  | 250.9  |
| 65°   | 281.3  | 269.9  | 258.5  | 250.9  | 243.3  | 231.9  | 220.5  | 209.1  | 201.5  | 197.7  | 193.9  |
| 67.5° | 228.1  | 212.9  | 201.5  | 197.7  | 190.1  | 182.5  | 171.1  | 167.3  | 159.7  | 159.7  | 159.7  |
| 70°   | 178.7  | 167.3  | 155.9  | 152.1  | 148.3  | 140.7  | 133.0  | 133.0  | 133.0  | 133.0  | 133.0  |
| 72.5° | 133.0  | 125.4  | 114.0  | 110.2  | 106.4  | 102.6  | 95.0   | 98.8   | 95.0   | 95.0   | 95.0   |
| 75°   | 83.6   | 76.0   | 68.4   | 64.6   | 60.8   | 57.0   | 53.2   | 49.4   | 45.6   | 41.8   | 41.8   |
| 77.5° | 45.6   | 38.0   | 34.2   | 30.4   | 30.4   | 26.6   | 22.8   | 22.8   | 19.0   | 19.0   | 19.0   |
| 80°   | 26.6   | 22.8   | 19.0   | 15.2   | 15.2   | 11.4   | 11.4   | 11.4   | 11.4   | 7.6    | 7.6    |
| 82.5° | 15.2   | 11.4   | 7.6    | 7.6    | 7.6    | 7.6    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 85°   | 7.6    | 7.6    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 0.0    |
| 87.5° | 3.8    | 3.8    | 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: P252414

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBLWW1LI

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 | 2927.1 |
| 2.5°  | 2904.3 | 2915.7 | 2904.3 | 2915.7 | 2915.7 | 2915.7 | 2915.7 | 2904.3 |
| 5°    | 2885.3 | 2892.9 | 2881.5 | 2889.1 | 2892.9 | 2889.1 | 2889.1 | 2877.7 |
| 7.5°  | 2851.1 | 2858.7 | 2847.3 | 2858.7 | 2862.5 | 2858.7 | 2854.9 | 2847.3 |
| 10°   | 2816.9 | 2820.7 | 2809.3 | 2816.9 | 2824.5 | 2824.5 | 2820.7 | 2809.3 |
| 12.5° | 2763.6 | 2775.0 | 2763.6 | 2771.2 | 2778.8 | 2782.6 | 2782.6 | 2771.2 |
| 15°   | 2702.8 | 2721.8 | 2714.2 | 2725.6 | 2737.0 | 2740.8 | 2740.8 | 2737.0 |
| 17.5° | 2642.0 | 2661.0 | 2649.6 | 2668.6 | 2680.0 | 2687.6 | 2691.4 | 2683.8 |
| 20°   | 2554.6 | 2577.4 | 2569.8 | 2585.0 | 2600.2 | 2611.6 | 2611.6 | 2600.2 |
| 22.5° | 2440.5 | 2470.9 | 2467.1 | 2478.5 | 2497.5 | 2501.3 | 2508.9 | 2501.3 |
| 25°   | 2315.1 | 2337.9 | 2334.1 | 2345.5 | 2368.3 | 2368.3 | 2372.1 | 2372.1 |
| 27.5° | 2170.6 | 2193.4 | 2189.6 | 2197.2 | 2212.4 | 2216.2 | 2220.0 | 2212.4 |
| 30°   | 2014.8 | 2026.2 | 2026.2 | 2037.6 | 2049.0 | 2052.8 | 2052.8 | 2041.4 |
| 32.5° | 1843.7 | 1858.9 | 1866.5 | 1862.7 | 1874.1 | 1881.7 | 1877.9 | 1877.9 |
| 35°   | 1687.8 | 1691.6 | 1695.4 | 1699.2 | 1703.0 | 1710.6 | 1703.0 | 1699.2 |
| 37.5° | 1520.6 | 1532.0 | 1524.4 | 1532.0 | 1539.6 | 1535.8 | 1532.0 | 1532.0 |
| 40°   | 1368.5 | 1372.3 | 1364.7 | 1372.3 | 1376.1 | 1376.1 | 1376.1 | 1368.5 |
| 42.5° | 1216.5 | 1224.1 | 1216.5 | 1224.1 | 1224.1 | 1224.1 | 1224.1 | 1220.3 |
| 45°   | 1064.4 | 1072.0 | 1072.0 | 1075.8 | 1075.8 | 1072.0 | 1072.0 | 1072.0 |
| 47.5° | 923.7  | 931.3  | 923.7  | 931.3  | 935.2  | 927.5  | 927.5  | 927.5  |
| 50°   | 790.7  | 786.9  | 786.9  | 790.7  | 790.7  | 790.7  | 790.7  | 786.9  |
| 52.5° | 653.8  | 657.6  | 657.6  | 657.6  | 661.4  | 657.6  | 661.4  | 661.4  |
| 55°   | 536.0  | 536.0  | 536.0  | 539.8  | 536.0  | 536.0  | 539.8  | 543.6  |
| 57.5° | 429.6  | 425.8  | 422.0  | 422.0  | 425.8  | 422.0  | 422.0  | 422.0  |
| 60°   | 330.7  | 326.9  | 323.1  | 323.1  | 323.1  | 323.1  | 323.1  | 319.3  |
| 62.5° | 247.1  | 247.1  | 247.1  | 250.9  | 250.9  | 250.9  | 250.9  | 254.7  |
| 65°   | 197.7  | 197.7  | 197.7  | 197.7  | 197.7  | 197.7  | 197.7  | 201.5  |
| 67.5° | 159.7  | 159.7  | 159.7  | 163.5  | 163.5  | 163.5  | 163.5  | 163.5  |
| 70°   | 133.0  | 133.0  | 136.9  | 133.0  | 136.9  | 136.9  | 136.9  | 136.9  |
| 72.5° | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 87.4   | 91.2   | 87.4   |
| 75°   | 38.0   | 38.0   | 38.0   | 38.0   | 38.0   | 38.0   | 38.0   | 34.2   |
| 77.5° | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   |
| 80°   | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    |
| 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)