

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: P252614

Luminaire Tested: **LD6B50D010TE EU6B30509024 6LBDW1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252614  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-8)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B50D010TE EU6B30509024 6LBDW1LI  
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3850.0 lumens  
Efficiency: N/A  
Efficacy: 65.5 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.22 / 1.15  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

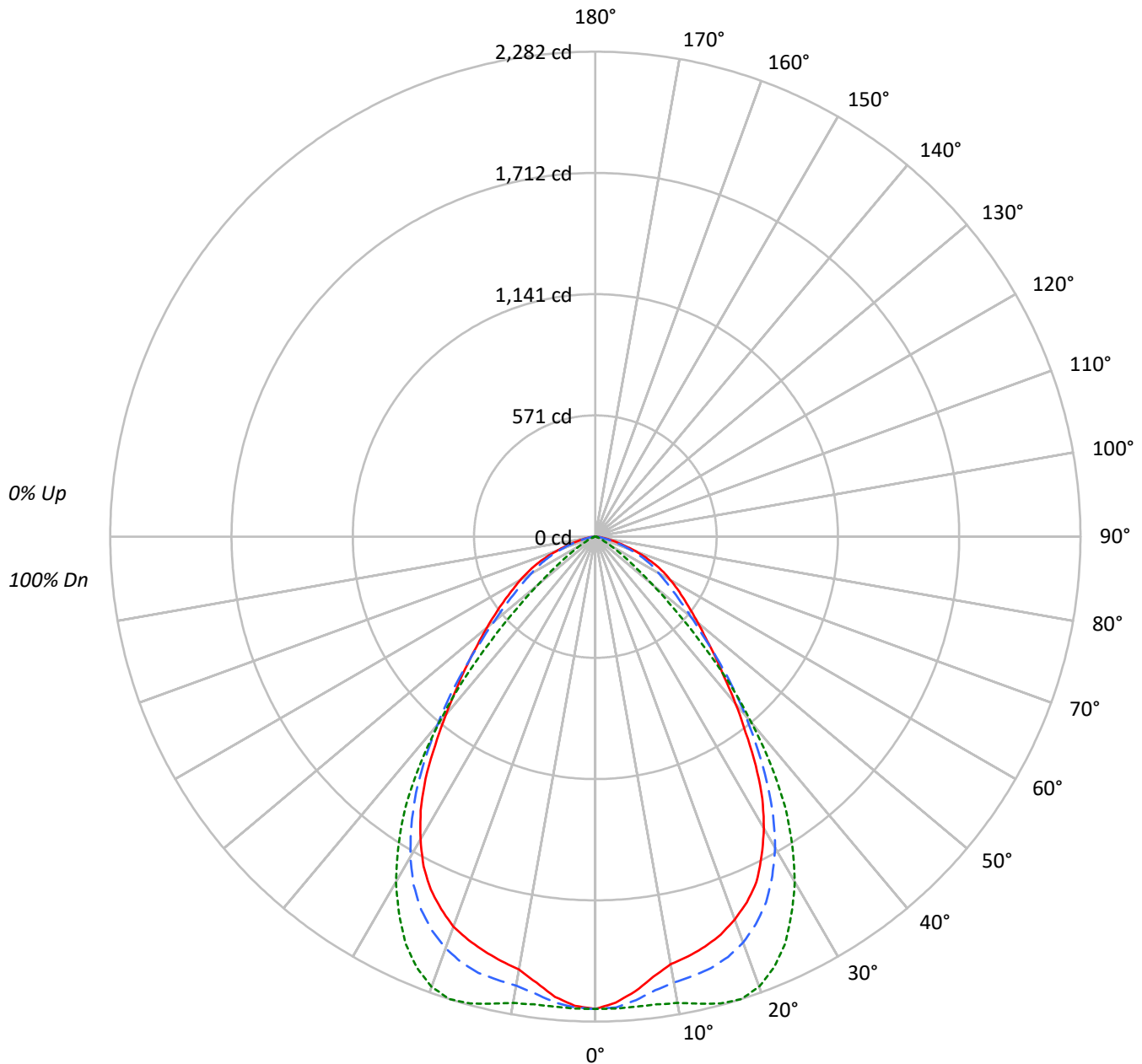
Input Watts (W): 58.77  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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   | 111 | 108 | 105 | 102 |  | 109 | 106 | 103 | 100 |  | 102 | 99  | 97  |  | 98  | 96  | 94  |  | 94  | 93  | 91  |
| 2   | 104 | 97  | 92  | 87  |  | 101 | 95  | 91  | 86  |  | 92  | 88  | 84  |  | 89  | 86  | 83  |  | 86  | 83  | 81  |
| 3   | 96  | 88  | 81  | 76  |  | 94  | 86  | 80  | 76  |  | 84  | 79  | 74  |  | 81  | 77  | 73  |  | 79  | 75  | 72  |
| 4   | 90  | 80  | 73  | 67  |  | 88  | 79  | 72  | 67  |  | 76  | 70  | 66  |  | 74  | 69  | 65  |  | 72  | 68  | 64  |
| 5   | 84  | 73  | 65  | 60  |  | 82  | 72  | 65  | 59  |  | 70  | 64  | 59  |  | 68  | 63  | 58  |  | 66  | 62  | 58  |
| 6   | 78  | 67  | 59  | 54  |  | 76  | 66  | 59  | 53  |  | 64  | 58  | 53  |  | 63  | 57  | 53  |  | 61  | 56  | 52  |
| 7   | 73  | 61  | 54  | 49  |  | 72  | 61  | 53  | 48  |  | 59  | 53  | 48  |  | 58  | 52  | 48  |  | 57  | 51  | 48  |
| 8   | 69  | 57  | 49  | 44  |  | 67  | 56  | 49  | 44  |  | 55  | 48  | 44  |  | 54  | 48  | 44  |  | 53  | 47  | 43  |
| 9   | 64  | 53  | 45  | 40  |  | 63  | 52  | 45  | 40  |  | 51  | 45  | 40  |  | 50  | 44  | 40  |  | 49  | 44  | 40  |
| 10  | 61  | 49  | 42  | 37  |  | 60  | 48  | 42  | 37  |  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  | 41  | 37  |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 145017 | 145017 | 145017 |
| 5°  | 140692 | 145401 | 142375 |
| 10° | 135336 | 147592 | 137039 |
| 15° | 134861 | 153604 | 136421 |
| 20° | 133093 | 156462 | 135592 |
| 25° | 129120 | 152054 | 131891 |
| 30° | 119441 | 141318 | 123893 |
| 35° | 104788 | 124229 | 110928 |
| 40° | 87320  | 97387  | 93009  |
| 45° | 73498  | 64253  | 78480  |
| 50° | 63638  | 35209  | 67556  |
| 55° | 57577  | 18711  | 59044  |
| 60° | 52975  | 9721   | 52975  |
| 65° | 47994  | 5156   | 46806  |
| 70° | 38722  | 2938   | 35785  |
| 75° | 26568  | 1941   | 24602  |
| 80° | 17395  | 977    | 15442  |
| 85° | 11528  | 1946   | 9581   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 207.3  | 5.4       |
| 10°-20°   | 599.4  | 15.6      |
| 20°-30°   | 885.5  | 23.0      |
| 30°-40°   | 894.5  | 23.2      |
| 40°-50°   | 616.5  | 16.0      |
| 50°-60°   | 354.1  | 9.2       |
| 60°-70°   | 206.1  | 5.4       |
| 70°-80°   | 75.2   | 2.0       |
| 80°-90°   | 11.5   | 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°    | 1692.2 | 44.0      |
| 0°-40°    | 2586.6 | 67.2      |
| 0°-60°    | 3557.2 | 92.4      |
| 0°-90°    | 3850.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3850.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2223 | 2223 | 2223 | 2223 | 2223 |      |
| 5°  | 2148 | 2189 | 2220 | 2200 | 2174 | 202  |
| 15° | 1997 | 2102 | 2274 | 2125 | 2020 | 562  |
| 25° | 1794 | 1899 | 2112 | 1938 | 1832 | 817  |
| 35° | 1316 | 1406 | 1560 | 1470 | 1393 | 817  |
| 45° | 797  | 807  | 696  | 858  | 851  | 619  |
| 55° | 506  | 445  | 164  | 462  | 519  | 456  |
| 65° | 311  | 262  | 33   | 260  | 303  | 304  |
| 75° | 105  | 85   | 8    | 82   | 98   | 119  |
| 85° | 15   | 8    | 3    | 10   | 13   | 20   |
| 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°    | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 |
| 2.5°  | 2194.5 | 2197.1 | 2199.7 | 2197.1 | 2199.7 | 2209.9 | 2202.2 | 2207.4 | 2207.4 | 2209.9 | 2217.7 |
| 5°    | 2148.3 | 2148.3 | 2153.4 | 2150.8 | 2158.6 | 2168.8 | 2161.1 | 2168.8 | 2171.4 | 2176.5 | 2189.4 |
| 7.5°  | 2089.2 | 2089.2 | 2091.7 | 2091.7 | 2102.0 | 2112.3 | 2107.2 | 2117.4 | 2127.7 | 2138.0 | 2153.4 |
| 10°   | 2042.9 | 2048.1 | 2048.1 | 2050.6 | 2060.9 | 2073.8 | 2071.2 | 2084.0 | 2094.3 | 2109.7 | 2130.3 |
| 12.5° | 2022.4 | 2024.9 | 2024.9 | 2030.1 | 2040.3 | 2053.2 | 2050.6 | 2063.5 | 2078.9 | 2096.9 | 2117.4 |
| 15°   | 1996.7 | 2001.8 | 1999.2 | 2004.4 | 2014.7 | 2027.5 | 2024.9 | 2037.8 | 2055.8 | 2073.8 | 2102.0 |
| 17.5° | 1963.3 | 1965.8 | 1968.4 | 1968.4 | 1978.7 | 1989.0 | 1989.0 | 2001.8 | 2022.4 | 2042.9 | 2073.8 |
| 20°   | 1917.0 | 1922.1 | 1922.1 | 1924.7 | 1932.4 | 1947.8 | 1945.3 | 1958.1 | 1978.7 | 1999.2 | 2032.6 |
| 22.5° | 1863.0 | 1865.6 | 1865.6 | 1868.2 | 1881.0 | 1888.7 | 1891.3 | 1901.6 | 1919.6 | 1942.7 | 1973.5 |
| 25°   | 1793.7 | 1796.2 | 1793.7 | 1801.4 | 1806.5 | 1821.9 | 1816.8 | 1829.6 | 1850.2 | 1868.2 | 1899.0 |
| 27.5° | 1693.4 | 1698.6 | 1698.6 | 1701.1 | 1714.0 | 1726.8 | 1726.8 | 1739.7 | 1757.7 | 1770.5 | 1801.4 |
| 30°   | 1585.5 | 1593.2 | 1585.5 | 1598.4 | 1603.5 | 1613.8 | 1621.5 | 1629.2 | 1644.6 | 1662.6 | 1690.9 |
| 32.5° | 1462.2 | 1459.6 | 1462.2 | 1467.3 | 1482.7 | 1490.4 | 1495.6 | 1503.3 | 1518.7 | 1534.1 | 1557.2 |
| 35°   | 1315.7 | 1320.8 | 1323.4 | 1333.7 | 1333.7 | 1346.5 | 1349.1 | 1354.2 | 1377.4 | 1387.6 | 1405.6 |
| 37.5° | 1161.5 | 1166.6 | 1169.2 | 1174.4 | 1184.6 | 1189.8 | 1197.5 | 1205.2 | 1220.6 | 1238.6 | 1248.9 |
| 40°   | 1025.3 | 1025.3 | 1027.9 | 1033.0 | 1040.7 | 1043.3 | 1051.0 | 1061.3 | 1071.6 | 1087.0 | 1097.3 |
| 42.5° | 896.8  | 899.4  | 896.8  | 902.0  | 909.7  | 920.0  | 917.4  | 930.2  | 932.8  | 943.1  | 950.8  |
| 45°   | 796.6  | 796.6  | 791.5  | 796.6  | 796.6  | 806.9  | 804.3  | 809.5  | 806.9  | 812.0  | 806.9  |
| 47.5° | 701.5  | 704.1  | 701.5  | 704.1  | 704.1  | 704.1  | 706.7  | 701.5  | 704.1  | 696.4  | 681.0  |
| 50°   | 627.0  | 629.6  | 624.4  | 627.0  | 624.4  | 621.9  | 624.4  | 616.7  | 614.2  | 603.9  | 588.5  |
| 52.5° | 562.8  | 560.2  | 557.6  | 557.6  | 557.6  | 555.1  | 552.5  | 544.8  | 537.1  | 526.8  | 508.8  |
| 55°   | 506.2  | 503.7  | 501.1  | 501.1  | 496.0  | 493.4  | 493.4  | 485.7  | 478.0  | 465.1  | 444.6  |
| 57.5° | 454.8  | 452.3  | 449.7  | 449.7  | 447.1  | 442.0  | 442.0  | 434.3  | 424.0  | 408.6  | 390.6  |
| 60°   | 406.0  | 406.0  | 406.0  | 403.4  | 403.4  | 398.3  | 398.3  | 390.6  | 380.3  | 364.9  | 344.3  |
| 62.5° | 362.3  | 359.8  | 359.8  | 359.8  | 359.8  | 357.2  | 354.6  | 349.5  | 339.2  | 323.8  | 305.8  |
| 65°   | 310.9  | 310.9  | 310.9  | 310.9  | 308.4  | 308.4  | 308.4  | 300.7  | 295.5  | 280.1  | 262.1  |
| 67.5° | 254.4  | 254.4  | 254.4  | 254.4  | 251.8  | 254.4  | 254.4  | 249.3  | 244.1  | 228.7  | 213.3  |
| 70°   | 203.0  | 200.4  | 197.9  | 200.4  | 197.9  | 197.9  | 200.4  | 195.3  | 192.7  | 179.9  | 164.5  |
| 72.5° | 149.0  | 151.6  | 149.0  | 149.0  | 149.0  | 146.5  | 149.0  | 146.5  | 141.3  | 131.1  | 120.8  |
| 75°   | 105.4  | 107.9  | 107.9  | 105.4  | 105.4  | 105.4  | 102.8  | 102.8  | 97.6   | 89.9   | 84.8   |
| 77.5° | 72.0   | 72.0   | 72.0   | 72.0   | 69.4   | 69.4   | 69.4   | 66.8   | 64.2   | 59.1   | 54.0   |
| 80°   | 46.3   | 46.3   | 46.3   | 46.3   | 43.7   | 43.7   | 43.7   | 41.1   | 41.1   | 36.0   | 30.8   |
| 82.5° | 28.3   | 28.3   | 28.3   | 28.3   | 28.3   | 28.3   | 25.7   | 25.7   | 23.1   | 20.6   | 18.0   |
| 85°   | 15.4   | 15.4   | 15.4   | 15.4   | 15.4   | 15.4   | 15.4   | 12.8   | 12.8   | 10.3   | 7.7    |
| 87.5° | 5.1    | 5.1    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 5.1    | 5.1    | 5.1    |
| 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°    | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 |
| 2.5°  | 2212.5 | 2215.1 | 2215.1 | 2215.1 | 2222.8 | 2225.4 | 2217.7 | 2209.9 | 2225.4 | 2222.8 | 2227.9 |
| 5°    | 2186.8 | 2194.5 | 2199.7 | 2202.2 | 2209.9 | 2215.1 | 2207.4 | 2204.8 | 2217.7 | 2220.2 | 2222.8 |
| 7.5°  | 2156.0 | 2168.8 | 2181.7 | 2186.8 | 2197.1 | 2202.2 | 2199.7 | 2199.7 | 2215.1 | 2220.2 | 2220.2 |
| 10°   | 2135.4 | 2153.4 | 2168.8 | 2181.7 | 2194.5 | 2202.2 | 2202.2 | 2204.8 | 2222.8 | 2227.9 | 2233.1 |
| 12.5° | 2130.3 | 2153.4 | 2174.0 | 2192.0 | 2202.2 | 2215.1 | 2217.7 | 2225.4 | 2243.4 | 2251.1 | 2251.1 |
| 15°   | 2117.4 | 2148.3 | 2174.0 | 2197.1 | 2212.5 | 2227.9 | 2233.1 | 2248.5 | 2269.1 | 2274.2 | 2279.3 |
| 17.5° | 2094.3 | 2125.1 | 2156.0 | 2184.3 | 2204.8 | 2217.7 | 2233.1 | 2248.5 | 2274.2 | 2281.9 | 2284.5 |
| 20°   | 2053.2 | 2089.2 | 2120.0 | 2148.3 | 2168.8 | 2186.8 | 2202.2 | 2220.2 | 2243.4 | 2253.6 | 2256.2 |
| 22.5° | 1991.5 | 2027.5 | 2058.3 | 2089.2 | 2109.7 | 2125.1 | 2140.6 | 2161.1 | 2184.3 | 2194.5 | 2194.5 |
| 25°   | 1917.0 | 1950.4 | 1983.8 | 2006.9 | 2027.5 | 2045.5 | 2053.2 | 2076.3 | 2099.5 | 2112.3 | 2112.3 |
| 27.5° | 1821.9 | 1852.8 | 1883.6 | 1909.3 | 1922.1 | 1937.6 | 1950.4 | 1971.0 | 1989.0 | 1999.2 | 2009.5 |
| 30°   | 1701.1 | 1732.0 | 1760.2 | 1785.9 | 1801.4 | 1816.8 | 1829.6 | 1845.0 | 1863.0 | 1875.9 | 1878.5 |
| 32.5° | 1570.1 | 1595.8 | 1624.1 | 1649.8 | 1665.2 | 1670.3 | 1683.2 | 1698.6 | 1714.0 | 1724.3 | 1726.8 |
| 35°   | 1426.2 | 1444.2 | 1462.2 | 1485.3 | 1500.7 | 1500.7 | 1513.6 | 1523.8 | 1536.7 | 1559.8 | 1554.7 |
| 37.5° | 1256.6 | 1282.3 | 1295.1 | 1302.8 | 1313.1 | 1323.4 | 1326.0 | 1338.8 | 1354.2 | 1359.4 | 1367.1 |
| 40°   | 1097.3 | 1105.0 | 1112.7 | 1112.7 | 1123.0 | 1123.0 | 1123.0 | 1125.5 | 1141.0 | 1143.5 | 1153.8 |
| 42.5° | 937.9  | 937.9  | 930.2  | 922.5  | 925.1  | 922.5  | 909.7  | 909.7  | 917.4  | 927.7  | 927.7  |
| 45°   | 788.9  | 770.9  | 747.8  | 729.8  | 716.9  | 711.8  | 696.4  | 696.4  | 693.8  | 696.4  | 706.7  |
| 47.5° | 663.0  | 632.1  | 593.6  | 557.6  | 544.8  | 534.5  | 511.4  | 501.1  | 496.0  | 498.5  | 503.7  |
| 50°   | 557.6  | 524.2  | 480.5  | 436.9  | 413.7  | 400.9  | 372.6  | 354.6  | 352.0  | 346.9  | 357.2  |
| 52.5° | 480.5  | 439.4  | 393.2  | 341.8  | 318.6  | 298.1  | 267.2  | 251.8  | 241.6  | 241.6  | 244.1  |
| 55°   | 413.7  | 370.0  | 318.6  | 267.2  | 244.1  | 228.7  | 197.9  | 177.3  | 167.0  | 164.5  | 172.2  |
| 57.5° | 357.2  | 316.1  | 264.7  | 213.3  | 190.2  | 172.2  | 141.3  | 123.3  | 115.6  | 110.5  | 113.1  |
| 60°   | 313.5  | 272.4  | 221.0  | 172.2  | 151.6  | 131.1  | 105.4  | 84.8   | 74.5   | 74.5   | 77.1   |
| 62.5° | 272.4  | 233.8  | 187.6  | 141.3  | 123.3  | 105.4  | 77.1   | 59.1   | 51.4   | 48.8   | 51.4   |
| 65°   | 231.3  | 195.3  | 156.8  | 118.2  | 100.2  | 84.8   | 61.7   | 46.3   | 36.0   | 33.4   | 36.0   |
| 67.5° | 187.6  | 159.3  | 125.9  | 95.1   | 79.7   | 66.8   | 46.3   | 33.4   | 25.7   | 23.1   | 25.7   |
| 70°   | 146.5  | 120.8  | 95.1   | 69.4   | 59.1   | 48.8   | 33.4   | 25.7   | 18.0   | 15.4   | 18.0   |
| 72.5° | 105.4  | 87.4   | 66.8   | 48.8   | 41.1   | 33.4   | 23.1   | 18.0   | 12.8   | 10.3   | 12.8   |
| 75°   | 72.0   | 59.1   | 43.7   | 30.8   | 25.7   | 23.1   | 15.4   | 10.3   | 7.7    | 7.7    | 7.7    |
| 77.5° | 46.3   | 36.0   | 28.3   | 20.6   | 15.4   | 12.8   | 7.7    | 5.1    | 5.1    | 5.1    | 5.1    |
| 80°   | 25.7   | 20.6   | 15.4   | 10.3   | 7.7    | 7.7    | 5.1    | 5.1    | 2.6    | 2.6    | 2.6    |
| 82.5° | 15.4   | 10.3   | 7.7    | 5.1    | 5.1    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 85°   | 7.7    | 5.1    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 87.5° | 2.6    | 2.6    | 2.6    | 2.6    | 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):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 |
| 2.5°  | 2217.7 | 2220.2 | 2212.5 | 2222.8 | 2215.1 | 2225.4 | 2225.4 | 2215.1 | 2217.7 | 2212.5 | 2222.8 |
| 5°    | 2212.5 | 2212.5 | 2207.4 | 2215.1 | 2204.8 | 2215.1 | 2212.5 | 2194.5 | 2199.7 | 2189.4 | 2199.7 |
| 7.5°  | 2212.5 | 2207.4 | 2199.7 | 2207.4 | 2194.5 | 2202.2 | 2192.0 | 2174.0 | 2168.8 | 2156.0 | 2156.0 |
| 10°   | 2220.2 | 2212.5 | 2202.2 | 2204.8 | 2192.0 | 2194.5 | 2179.1 | 2153.4 | 2145.7 | 2130.3 | 2125.1 |
| 12.5° | 2238.2 | 2230.5 | 2215.1 | 2220.2 | 2202.2 | 2202.2 | 2181.7 | 2150.8 | 2135.4 | 2114.9 | 2109.7 |
| 15°   | 2263.9 | 2251.1 | 2233.1 | 2235.6 | 2217.7 | 2207.4 | 2181.7 | 2145.7 | 2125.1 | 2096.9 | 2089.2 |
| 17.5° | 2269.1 | 2256.2 | 2233.1 | 2233.1 | 2209.9 | 2197.1 | 2166.3 | 2125.1 | 2099.5 | 2071.2 | 2055.8 |
| 20°   | 2240.8 | 2227.9 | 2202.2 | 2199.7 | 2179.1 | 2161.1 | 2127.7 | 2086.6 | 2060.9 | 2030.1 | 2017.2 |
| 22.5° | 2181.7 | 2166.3 | 2143.1 | 2140.6 | 2120.0 | 2109.7 | 2073.8 | 2032.6 | 2006.9 | 1976.1 | 1965.8 |
| 25°   | 2094.3 | 2086.6 | 2063.5 | 2060.9 | 2042.9 | 2030.1 | 1999.2 | 1960.7 | 1937.6 | 1906.7 | 1896.4 |
| 27.5° | 1991.5 | 1983.8 | 1960.7 | 1960.7 | 1940.1 | 1932.4 | 1904.2 | 1868.2 | 1850.2 | 1821.9 | 1809.1 |
| 30°   | 1868.2 | 1857.9 | 1845.0 | 1842.5 | 1824.5 | 1816.8 | 1791.1 | 1757.7 | 1739.7 | 1716.6 | 1711.4 |
| 32.5° | 1721.7 | 1714.0 | 1706.3 | 1703.7 | 1685.7 | 1678.0 | 1660.0 | 1626.6 | 1611.2 | 1590.6 | 1582.9 |
| 35°   | 1552.1 | 1547.0 | 1539.3 | 1536.7 | 1529.0 | 1521.3 | 1503.3 | 1477.6 | 1469.9 | 1454.5 | 1446.7 |
| 37.5° | 1356.8 | 1361.9 | 1356.8 | 1356.8 | 1349.1 | 1351.7 | 1336.2 | 1320.8 | 1313.1 | 1302.8 | 1297.7 |
| 40°   | 1146.1 | 1156.4 | 1164.1 | 1164.1 | 1161.5 | 1171.8 | 1169.2 | 1156.4 | 1153.8 | 1148.7 | 1146.1 |
| 42.5° | 932.8  | 937.9  | 953.4  | 963.6  | 961.1  | 986.8  | 989.3  | 999.6  | 1007.3 | 1002.2 | 1004.8 |
| 45°   | 709.2  | 724.7  | 745.2  | 755.5  | 768.3  | 801.7  | 819.7  | 840.3  | 858.3  | 868.6  | 866.0  |
| 47.5° | 511.4  | 529.4  | 552.5  | 567.9  | 591.0  | 632.1  | 678.4  | 704.1  | 729.8  | 742.6  | 755.5  |
| 50°   | 370.0  | 388.0  | 416.3  | 439.4  | 454.8  | 511.4  | 560.2  | 593.6  | 621.9  | 639.9  | 652.7  |
| 52.5° | 259.5  | 280.1  | 310.9  | 331.5  | 354.6  | 408.6  | 465.1  | 503.7  | 534.5  | 557.6  | 570.5  |
| 55°   | 179.9  | 203.0  | 231.3  | 251.8  | 277.5  | 334.1  | 388.0  | 429.1  | 462.5  | 483.1  | 498.5  |
| 57.5° | 125.9  | 146.5  | 174.7  | 192.7  | 218.4  | 272.4  | 326.4  | 367.5  | 400.9  | 421.4  | 439.4  |
| 60°   | 84.8   | 105.4  | 133.6  | 151.6  | 172.2  | 226.1  | 275.0  | 318.6  | 349.5  | 370.0  | 388.0  |
| 62.5° | 59.1   | 77.1   | 105.4  | 123.3  | 141.3  | 187.6  | 233.8  | 272.4  | 303.2  | 326.4  | 341.8  |
| 65°   | 46.3   | 61.7   | 84.8   | 100.2  | 118.2  | 156.8  | 195.3  | 228.7  | 259.5  | 282.7  | 292.9  |
| 67.5° | 33.4   | 48.8   | 66.8   | 79.7   | 92.5   | 125.9  | 159.3  | 185.0  | 213.3  | 231.3  | 244.1  |
| 70°   | 23.1   | 33.4   | 48.8   | 59.1   | 69.4   | 95.1   | 120.8  | 143.9  | 164.5  | 177.3  | 187.6  |
| 72.5° | 18.0   | 23.1   | 33.4   | 41.1   | 48.8   | 66.8   | 87.4   | 105.4  | 120.8  | 131.1  | 141.3  |
| 75°   | 10.3   | 15.4   | 23.1   | 28.3   | 33.4   | 46.3   | 59.1   | 72.0   | 82.2   | 89.9   | 95.1   |
| 77.5° | 5.1    | 7.7    | 12.8   | 15.4   | 20.6   | 28.3   | 38.5   | 46.3   | 54.0   | 59.1   | 64.2   |
| 80°   | 5.1    | 5.1    | 7.7    | 7.7    | 10.3   | 15.4   | 20.6   | 25.7   | 30.8   | 36.0   | 38.5   |
| 82.5° | 2.6    | 2.6    | 5.1    | 5.1    | 5.1    | 7.7    | 10.3   | 15.4   | 18.0   | 20.6   | 23.1   |
| 85°   | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 5.1    | 5.1    | 7.7    | 10.3   | 12.8   | 12.8   |
| 87.5° | 0.0    | 0.0    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 5.1    | 5.1    | 5.1    | 7.7    |
| 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: P252614

CATALOG NUMBER: LD6B50D010TE EU6B30509024 6LBDW1LI

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 | 2222.8 |
| 2.5°  | 2215.1 | 2220.2 | 2217.7 | 2222.8 | 2215.1 | 2212.5 | 2217.7 | 2209.9 |
| 5°    | 2186.8 | 2189.4 | 2186.8 | 2186.8 | 2181.7 | 2176.5 | 2181.7 | 2174.0 |
| 7.5°  | 2143.1 | 2143.1 | 2135.4 | 2135.4 | 2125.1 | 2120.0 | 2120.0 | 2117.4 |
| 10°   | 2107.2 | 2099.5 | 2091.7 | 2094.3 | 2078.9 | 2073.8 | 2071.2 | 2068.6 |
| 12.5° | 2089.2 | 2084.0 | 2071.2 | 2071.2 | 2055.8 | 2050.6 | 2048.1 | 2045.5 |
| 15°   | 2068.6 | 2058.3 | 2048.1 | 2045.5 | 2032.6 | 2027.5 | 2024.9 | 2019.8 |
| 17.5° | 2032.6 | 2024.9 | 2012.1 | 2012.1 | 1999.2 | 1996.7 | 1991.5 | 1989.0 |
| 20°   | 1994.1 | 1983.8 | 1973.5 | 1973.5 | 1958.1 | 1958.1 | 1950.4 | 1953.0 |
| 22.5° | 1940.1 | 1932.4 | 1922.1 | 1922.1 | 1909.3 | 1906.7 | 1899.0 | 1896.4 |
| 25°   | 1875.9 | 1865.6 | 1857.9 | 1855.3 | 1845.0 | 1839.9 | 1837.3 | 1832.2 |
| 27.5° | 1791.1 | 1783.4 | 1775.7 | 1770.5 | 1757.7 | 1755.1 | 1747.4 | 1750.0 |
| 30°   | 1685.7 | 1680.6 | 1678.0 | 1672.9 | 1657.5 | 1652.3 | 1652.3 | 1644.6 |
| 32.5° | 1570.1 | 1562.4 | 1557.2 | 1549.5 | 1536.7 | 1534.1 | 1526.4 | 1529.0 |
| 35°   | 1428.8 | 1418.5 | 1410.8 | 1413.3 | 1397.9 | 1395.4 | 1390.2 | 1392.8 |
| 37.5° | 1282.3 | 1272.0 | 1261.7 | 1259.2 | 1246.3 | 1246.3 | 1238.6 | 1238.6 |
| 40°   | 1130.7 | 1120.4 | 1115.3 | 1115.3 | 1099.8 | 1102.4 | 1094.7 | 1092.1 |
| 42.5° | 994.5  | 984.2  | 981.6  | 979.1  | 971.3  | 968.8  | 961.1  | 963.6  |
| 45°   | 866.0  | 863.4  | 863.4  | 858.3  | 850.6  | 848.0  | 850.6  | 850.6  |
| 47.5° | 752.9  | 755.5  | 752.9  | 752.9  | 747.8  | 752.9  | 747.8  | 750.4  |
| 50°   | 657.8  | 663.0  | 663.0  | 663.0  | 660.4  | 663.0  | 663.0  | 665.6  |
| 52.5° | 578.2  | 585.9  | 583.3  | 585.9  | 583.3  | 588.5  | 585.9  | 588.5  |
| 55°   | 508.8  | 513.9  | 516.5  | 519.1  | 519.1  | 519.1  | 519.1  | 519.1  |
| 57.5° | 444.6  | 452.3  | 454.8  | 457.4  | 457.4  | 462.5  | 457.4  | 457.4  |
| 60°   | 393.2  | 400.9  | 403.4  | 406.0  | 406.0  | 408.6  | 403.4  | 406.0  |
| 62.5° | 346.9  | 354.6  | 354.6  | 357.2  | 357.2  | 357.2  | 352.0  | 354.6  |
| 65°   | 300.7  | 303.2  | 305.8  | 305.8  | 303.2  | 303.2  | 300.7  | 303.2  |
| 67.5° | 249.3  | 251.8  | 249.3  | 249.3  | 246.7  | 246.7  | 241.6  | 244.1  |
| 70°   | 192.7  | 192.7  | 195.3  | 192.7  | 190.2  | 192.7  | 190.2  | 187.6  |
| 72.5° | 143.9  | 143.9  | 143.9  | 141.3  | 141.3  | 138.8  | 141.3  | 141.3  |
| 75°   | 97.6   | 97.6   | 100.2  | 100.2  | 100.2  | 100.2  | 97.6   | 97.6   |
| 77.5° | 64.2   | 64.2   | 64.2   | 64.2   | 66.8   | 64.2   | 64.2   | 64.2   |
| 80°   | 41.1   | 41.1   | 43.7   | 43.7   | 41.1   | 41.1   | 41.1   | 41.1   |
| 82.5° | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   |
| 85°   | 15.4   | 15.4   | 15.4   | 15.4   | 12.8   | 12.8   | 12.8   | 12.8   |
| 87.5° | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 5.1    | 5.1    |
| 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)