

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: P252620

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBDW1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252620  
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 EU6B30509727 6LBDW1LI  
Description: PORTFOLIO 6 INCH DOUBLE 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: 3806.0 lumens  
Efficiency: N/A  
Efficacy: 64.8 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

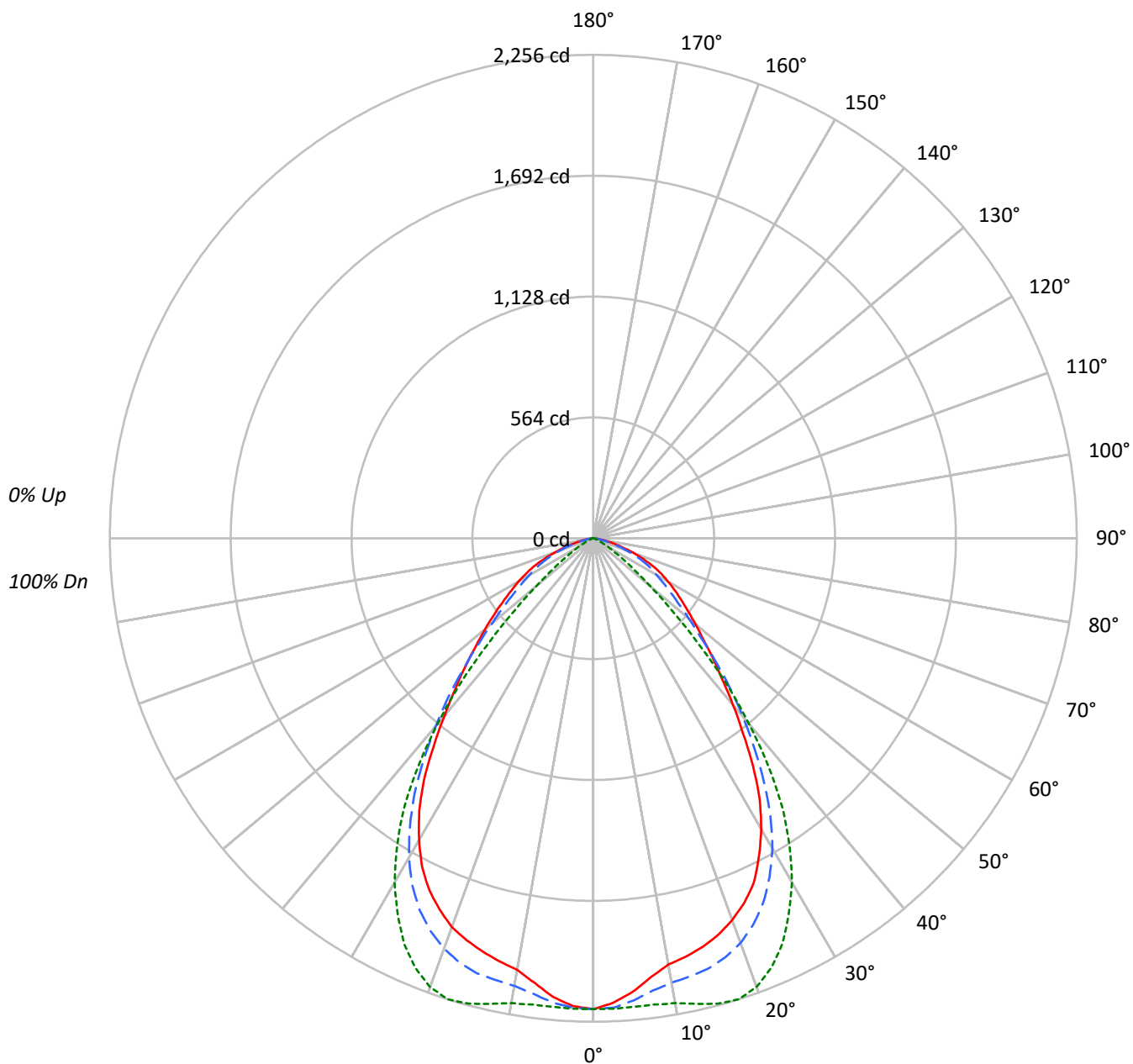
Input Watts (W): 58.77  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  |  | 98  | 96  | 94  |  | 94  |
| 2   | 104 | 97  | 92  | 87  | 101 | 95  | 91  | 86  | 92  | 88  | 84  |  | 89  | 86  | 83  |  | 86  |
| 3   | 96  | 88  | 81  | 76  | 94  | 86  | 80  | 76  | 84  | 79  | 74  |  | 81  | 77  | 73  |  | 79  |
| 4   | 90  | 80  | 73  | 67  | 88  | 79  | 72  | 67  | 76  | 70  | 66  |  | 74  | 69  | 65  |  | 72  |
| 5   | 84  | 73  | 65  | 60  | 82  | 72  | 65  | 59  | 70  | 64  | 59  |  | 68  | 63  | 58  |  | 66  |
| 6   | 78  | 67  | 59  | 54  | 76  | 66  | 59  | 53  | 64  | 58  | 53  |  | 63  | 57  | 53  |  | 61  |
| 7   | 73  | 61  | 54  | 49  | 72  | 61  | 53  | 48  | 59  | 53  | 48  |  | 58  | 52  | 48  |  | 57  |
| 8   | 69  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  |  | 54  | 48  | 44  |  | 53  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 143360 | 143360 | 143360 |
| 5°  | 139081 | 143744 | 140744 |
| 10° | 133793 | 145909 | 135475 |
| 15° | 133315 | 151848 | 134861 |
| 20° | 131572 | 154678 | 134044 |
| 25° | 127644 | 150319 | 130387 |
| 30° | 118078 | 139698 | 122477 |
| 35° | 103593 | 122811 | 109662 |
| 40° | 86324  | 96280  | 91945  |
| 45° | 72658  | 63515  | 77585  |
| 50° | 62907  | 34803  | 66774  |
| 55° | 56917  | 18495  | 58362  |
| 60° | 52375  | 9616   | 52375  |
| 65° | 47454  | 5094   | 46281  |
| 70° | 38284  | 2899   | 35365  |
| 75° | 26266  | 1916   | 24325  |
| 80° | 17170  | 939    | 15254  |
| 85° | 11378  | 1871   | 9507   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 204.9  | 5.4       |
| 10°-20°   | 592.5  | 15.6      |
| 20°-30°   | 875.4  | 23.0      |
| 30°-40°   | 884.2  | 23.2      |
| 40°-50°   | 609.5  | 16.0      |
| 50°-60°   | 350.0  | 9.2       |
| 60°-70°   | 203.7  | 5.4       |
| 70°-80°   | 74.3   | 2.0       |
| 80°-90°   | 11.3   | 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°    | 1672.8 | 44.0      |
| 0°-40°    | 2557.1 | 67.2      |
| 0°-60°    | 3516.6 | 92.4      |
| 0°-90°    | 3806.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3806.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2197 | 2197 | 2197 | 2197 | 2197 |      |
| 5°  | 2124 | 2164 | 2195 | 2174 | 2149 | 199  |
| 15° | 1974 | 2078 | 2248 | 2101 | 1997 | 556  |
| 25° | 1773 | 1877 | 2088 | 1915 | 1811 | 808  |
| 35° | 1301 | 1390 | 1542 | 1453 | 1377 | 807  |
| 45° | 788  | 798  | 688  | 848  | 841  | 612  |
| 55° | 500  | 440  | 163  | 457  | 513  | 451  |
| 65° | 307  | 259  | 33   | 257  | 300  | 301  |
| 75° | 104  | 84   | 8    | 81   | 96   | 117  |
| 85° | 15   | 8    | 2    | 10   | 13   | 19   |
| 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°    | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 |
| 2.5°  | 2169.4 | 2172.0 | 2174.5 | 2172.0 | 2174.5 | 2184.7 | 2177.1 | 2182.2 | 2182.2 | 2184.7 | 2192.3 |
| 5°    | 2123.7 | 2123.7 | 2128.8 | 2126.3 | 2133.9 | 2144.0 | 2136.4 | 2144.0 | 2146.6 | 2151.7 | 2164.4 |
| 7.5°  | 2065.3 | 2065.3 | 2067.8 | 2067.8 | 2078.0 | 2088.2 | 2083.1 | 2093.2 | 2103.4 | 2113.6 | 2128.8 |
| 10°   | 2019.6 | 2024.7 | 2024.7 | 2027.2 | 2037.4 | 2050.1 | 2047.5 | 2060.2 | 2070.4 | 2085.6 | 2105.9 |
| 12.5° | 1999.2 | 2001.8 | 2001.8 | 2006.9 | 2017.0 | 2029.7 | 2027.2 | 2039.9 | 2055.1 | 2072.9 | 2093.2 |
| 15°   | 1973.8 | 1978.9 | 1976.4 | 1981.5 | 1991.6 | 2004.3 | 2001.8 | 2014.5 | 2032.3 | 2050.1 | 2078.0 |
| 17.5° | 1940.8 | 1943.4 | 1945.9 | 1945.9 | 1956.1 | 1966.2 | 1966.2 | 1978.9 | 1999.2 | 2019.6 | 2050.1 |
| 20°   | 1895.1 | 1900.2 | 1900.2 | 1902.7 | 1910.3 | 1925.6 | 1923.0 | 1935.7 | 1956.1 | 1976.4 | 2009.4 |
| 22.5° | 1841.7 | 1844.3 | 1844.3 | 1846.8 | 1859.5 | 1867.1 | 1869.7 | 1879.9 | 1897.6 | 1920.5 | 1951.0 |
| 25°   | 1773.2 | 1775.7 | 1773.2 | 1780.8 | 1785.9 | 1801.1 | 1796.0 | 1808.7 | 1829.0 | 1846.8 | 1877.3 |
| 27.5° | 1674.1 | 1679.2 | 1679.2 | 1681.7 | 1694.4 | 1707.1 | 1707.1 | 1719.8 | 1737.6 | 1750.3 | 1780.8 |
| 30°   | 1567.4 | 1575.0 | 1567.4 | 1580.1 | 1585.2 | 1595.3 | 1603.0 | 1610.6 | 1625.8 | 1643.6 | 1671.5 |
| 32.5° | 1445.5 | 1442.9 | 1445.5 | 1450.5 | 1465.8 | 1473.4 | 1478.5 | 1486.1 | 1501.3 | 1516.6 | 1539.4 |
| 35°   | 1300.7 | 1305.7 | 1308.3 | 1318.4 | 1318.4 | 1331.1 | 1333.7 | 1338.8 | 1361.6 | 1371.8 | 1389.6 |
| 37.5° | 1148.2 | 1153.3 | 1155.9 | 1160.9 | 1171.1 | 1176.2 | 1183.8 | 1191.4 | 1206.7 | 1224.4 | 1234.6 |
| 40°   | 1013.6 | 1013.6 | 1016.1 | 1021.2 | 1028.8 | 1031.4 | 1039.0 | 1049.2 | 1059.3 | 1074.6 | 1084.7 |
| 42.5° | 886.6  | 889.1  | 886.6  | 891.7  | 899.3  | 909.4  | 906.9  | 919.6  | 922.1  | 932.3  | 939.9  |
| 45°   | 787.5  | 787.5  | 782.4  | 787.5  | 787.5  | 797.7  | 795.1  | 800.2  | 797.7  | 802.7  | 797.7  |
| 47.5° | 693.5  | 696.1  | 693.5  | 696.1  | 696.1  | 696.1  | 698.6  | 693.5  | 696.1  | 688.4  | 673.2  |
| 50°   | 619.8  | 622.4  | 617.3  | 619.8  | 617.3  | 614.8  | 617.3  | 609.7  | 607.1  | 597.0  | 581.7  |
| 52.5° | 556.3  | 553.8  | 551.3  | 551.3  | 551.3  | 548.7  | 546.2  | 538.6  | 530.9  | 520.8  | 503.0  |
| 55°   | 500.4  | 497.9  | 495.4  | 495.4  | 490.3  | 487.7  | 487.7  | 480.1  | 472.5  | 459.8  | 439.5  |
| 57.5° | 449.6  | 447.1  | 444.6  | 444.6  | 442.0  | 436.9  | 436.9  | 429.3  | 419.2  | 403.9  | 386.1  |
| 60°   | 401.4  | 401.4  | 401.4  | 398.8  | 398.8  | 393.8  | 393.8  | 386.1  | 376.0  | 360.7  | 340.4  |
| 62.5° | 358.2  | 355.6  | 355.6  | 355.6  | 355.6  | 353.1  | 350.6  | 345.5  | 335.3  | 320.1  | 302.3  |
| 65°   | 307.4  | 307.4  | 307.4  | 307.4  | 304.8  | 304.8  | 304.8  | 297.2  | 292.1  | 276.9  | 259.1  |
| 67.5° | 251.5  | 251.5  | 251.5  | 251.5  | 249.0  | 251.5  | 251.5  | 246.4  | 241.3  | 226.1  | 210.8  |
| 70°   | 200.7  | 198.1  | 195.6  | 198.1  | 195.6  | 195.6  | 198.1  | 193.1  | 190.5  | 177.8  | 162.6  |
| 72.5° | 147.3  | 149.9  | 147.3  | 147.3  | 147.3  | 144.8  | 147.3  | 144.8  | 139.7  | 129.6  | 119.4  |
| 75°   | 104.2  | 106.7  | 106.7  | 104.2  | 104.2  | 104.2  | 101.6  | 101.6  | 96.5   | 88.9   | 83.8   |
| 77.5° | 71.1   | 71.1   | 71.1   | 71.1   | 68.6   | 68.6   | 68.6   | 66.0   | 63.5   | 58.4   | 53.3   |
| 80°   | 45.7   | 45.7   | 45.7   | 45.7   | 43.2   | 43.2   | 43.2   | 40.6   | 40.6   | 35.6   | 30.5   |
| 82.5° | 27.9   | 27.9   | 27.9   | 27.9   | 27.9   | 27.9   | 25.4   | 25.4   | 22.9   | 20.3   | 17.8   |
| 85°   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 15.2   | 12.7   | 12.7   | 10.2   | 7.6    |
| 87.5° | 5.1    | 5.1    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 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°    | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 |
| 2.5°  | 2187.2 | 2189.8 | 2189.8 | 2189.8 | 2197.4 | 2199.9 | 2192.3 | 2184.7 | 2199.9 | 2197.4 | 2202.5 |
| 5°    | 2161.8 | 2169.4 | 2174.5 | 2177.1 | 2184.7 | 2189.8 | 2182.2 | 2179.6 | 2192.3 | 2194.9 | 2197.4 |
| 7.5°  | 2131.3 | 2144.0 | 2156.7 | 2161.8 | 2172.0 | 2177.1 | 2174.5 | 2174.5 | 2189.8 | 2194.9 | 2194.9 |
| 10°   | 2111.0 | 2128.8 | 2144.0 | 2156.7 | 2169.4 | 2177.1 | 2177.1 | 2179.6 | 2197.4 | 2202.5 | 2207.6 |
| 12.5° | 2105.9 | 2128.8 | 2149.1 | 2166.9 | 2177.1 | 2189.8 | 2192.3 | 2199.9 | 2217.7 | 2225.3 | 2225.3 |
| 15°   | 2093.2 | 2123.7 | 2149.1 | 2172.0 | 2187.2 | 2202.5 | 2207.6 | 2222.8 | 2243.1 | 2248.2 | 2253.3 |
| 17.5° | 2070.4 | 2100.9 | 2131.3 | 2159.3 | 2179.6 | 2192.3 | 2207.6 | 2222.8 | 2248.2 | 2255.8 | 2258.4 |
| 20°   | 2029.7 | 2065.3 | 2095.8 | 2123.7 | 2144.0 | 2161.8 | 2177.1 | 2194.9 | 2217.7 | 2227.9 | 2230.4 |
| 22.5° | 1968.8 | 2004.3 | 2034.8 | 2065.3 | 2085.6 | 2100.9 | 2116.1 | 2136.4 | 2159.3 | 2169.4 | 2169.4 |
| 25°   | 1895.1 | 1928.1 | 1961.1 | 1984.0 | 2004.3 | 2022.1 | 2029.7 | 2052.6 | 2075.5 | 2088.2 | 2088.2 |
| 27.5° | 1801.1 | 1831.6 | 1862.1 | 1887.5 | 1900.2 | 1915.4 | 1928.1 | 1948.4 | 1966.2 | 1976.4 | 1986.5 |
| 30°   | 1681.7 | 1712.2 | 1740.1 | 1765.5 | 1780.8 | 1796.0 | 1808.7 | 1824.0 | 1841.7 | 1854.4 | 1857.0 |
| 32.5° | 1552.1 | 1577.6 | 1605.5 | 1630.9 | 1646.1 | 1651.2 | 1663.9 | 1679.2 | 1694.4 | 1704.6 | 1707.1 |
| 35°   | 1409.9 | 1427.7 | 1445.5 | 1468.3 | 1483.6 | 1483.6 | 1496.3 | 1506.4 | 1519.1 | 1542.0 | 1536.9 |
| 37.5° | 1242.2 | 1267.6 | 1280.3 | 1288.0 | 1298.1 | 1308.3 | 1310.8 | 1323.5 | 1338.8 | 1343.8 | 1351.5 |
| 40°   | 1084.7 | 1092.3 | 1100.0 | 1100.0 | 1110.1 | 1110.1 | 1110.1 | 1112.7 | 1127.9 | 1130.5 | 1140.6 |
| 42.5° | 927.2  | 927.2  | 919.6  | 912.0  | 914.5  | 912.0  | 899.3  | 899.3  | 906.9  | 917.1  | 917.1  |
| 45°   | 779.9  | 762.1  | 739.2  | 721.5  | 708.8  | 703.7  | 688.4  | 688.4  | 685.9  | 688.4  | 698.6  |
| 47.5° | 655.4  | 624.9  | 586.8  | 551.3  | 538.6  | 528.4  | 505.5  | 495.4  | 490.3  | 492.8  | 497.9  |
| 50°   | 551.3  | 518.2  | 475.0  | 431.9  | 409.0  | 396.3  | 368.3  | 350.6  | 348.0  | 342.9  | 353.1  |
| 52.5° | 475.0  | 434.4  | 388.7  | 337.9  | 315.0  | 294.7  | 264.2  | 249.0  | 238.8  | 238.8  | 241.3  |
| 55°   | 409.0  | 365.8  | 315.0  | 264.2  | 241.3  | 226.1  | 195.6  | 175.3  | 165.1  | 162.6  | 170.2  |
| 57.5° | 353.1  | 312.5  | 261.7  | 210.8  | 188.0  | 170.2  | 139.7  | 121.9  | 114.3  | 109.2  | 111.8  |
| 60°   | 309.9  | 269.3  | 218.5  | 170.2  | 149.9  | 129.6  | 104.2  | 83.8   | 73.7   | 73.7   | 76.2   |
| 62.5° | 269.3  | 231.2  | 185.4  | 139.7  | 121.9  | 104.2  | 76.2   | 58.4   | 50.8   | 48.3   | 50.8   |
| 65°   | 228.6  | 193.1  | 155.0  | 116.9  | 99.1   | 83.8   | 61.0   | 45.7   | 35.6   | 33.0   | 35.6   |
| 67.5° | 185.4  | 157.5  | 124.5  | 94.0   | 78.8   | 66.0   | 45.7   | 33.0   | 25.4   | 22.9   | 25.4   |
| 70°   | 144.8  | 119.4  | 94.0   | 68.6   | 58.4   | 48.3   | 33.0   | 25.4   | 17.8   | 15.2   | 17.8   |
| 72.5° | 104.2  | 86.4   | 66.0   | 48.3   | 40.6   | 33.0   | 22.9   | 17.8   | 12.7   | 10.2   | 12.7   |
| 75°   | 71.1   | 58.4   | 43.2   | 30.5   | 25.4   | 22.9   | 15.2   | 10.2   | 7.6    | 7.6    | 7.6    |
| 77.5° | 45.7   | 35.6   | 27.9   | 20.3   | 15.2   | 12.7   | 7.6    | 5.1    | 5.1    | 5.1    | 5.1    |
| 80°   | 25.4   | 20.3   | 15.2   | 10.2   | 7.6    | 7.6    | 5.1    | 5.1    | 2.5    | 2.5    | 2.5    |
| 82.5° | 15.2   | 10.2   | 7.6    | 5.1    | 5.1    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    |
| 85°   | 7.6    | 5.1    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    |
| 87.5° | 2.5    | 2.5    | 2.5    | 2.5    | 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°    | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 |
| 2.5°  | 2192.3 | 2194.9 | 2187.2 | 2197.4 | 2189.8 | 2199.9 | 2199.9 | 2189.8 | 2192.3 | 2187.2 | 2197.4 |
| 5°    | 2187.2 | 2187.2 | 2182.2 | 2189.8 | 2179.6 | 2189.8 | 2187.2 | 2169.4 | 2174.5 | 2164.4 | 2174.5 |
| 7.5°  | 2187.2 | 2182.2 | 2174.5 | 2182.2 | 2169.4 | 2177.1 | 2166.9 | 2149.1 | 2144.0 | 2131.3 | 2131.3 |
| 10°   | 2194.9 | 2187.2 | 2177.1 | 2179.6 | 2166.9 | 2169.4 | 2154.2 | 2128.8 | 2121.2 | 2105.9 | 2100.9 |
| 12.5° | 2212.6 | 2205.0 | 2189.8 | 2194.9 | 2177.1 | 2177.1 | 2156.7 | 2126.3 | 2111.0 | 2090.7 | 2085.6 |
| 15°   | 2238.0 | 2225.3 | 2207.6 | 2210.1 | 2192.3 | 2182.2 | 2156.7 | 2121.2 | 2100.9 | 2072.9 | 2065.3 |
| 17.5° | 2243.1 | 2230.4 | 2207.6 | 2207.6 | 2184.7 | 2172.0 | 2141.5 | 2100.9 | 2075.5 | 2047.5 | 2032.3 |
| 20°   | 2215.2 | 2202.5 | 2177.1 | 2174.5 | 2154.2 | 2136.4 | 2103.4 | 2062.8 | 2037.4 | 2006.9 | 1994.2 |
| 22.5° | 2156.7 | 2141.5 | 2118.6 | 2116.1 | 2095.8 | 2085.6 | 2050.1 | 2009.4 | 1984.0 | 1953.5 | 1943.4 |
| 25°   | 2070.4 | 2062.8 | 2039.9 | 2037.4 | 2019.6 | 2006.9 | 1976.4 | 1938.3 | 1915.4 | 1884.9 | 1874.8 |
| 27.5° | 1968.8 | 1961.1 | 1938.3 | 1938.3 | 1918.0 | 1910.3 | 1882.4 | 1846.8 | 1829.0 | 1801.1 | 1788.4 |
| 30°   | 1846.8 | 1836.7 | 1824.0 | 1821.4 | 1803.6 | 1796.0 | 1770.6 | 1737.6 | 1719.8 | 1696.9 | 1691.9 |
| 32.5° | 1702.0 | 1694.4 | 1686.8 | 1684.2 | 1666.5 | 1658.8 | 1641.1 | 1608.0 | 1592.8 | 1572.5 | 1564.8 |
| 35°   | 1534.4 | 1529.3 | 1521.7 | 1519.1 | 1511.5 | 1503.9 | 1486.1 | 1460.7 | 1453.1 | 1437.8 | 1430.2 |
| 37.5° | 1341.3 | 1346.4 | 1341.3 | 1341.3 | 1333.7 | 1336.2 | 1321.0 | 1305.7 | 1298.1 | 1288.0 | 1282.9 |
| 40°   | 1133.0 | 1143.2 | 1150.8 | 1150.8 | 1148.2 | 1158.4 | 1155.9 | 1143.2 | 1140.6 | 1135.5 | 1133.0 |
| 42.5° | 922.1  | 927.2  | 942.5  | 952.6  | 950.1  | 975.5  | 978.0  | 988.2  | 995.8  | 990.7  | 993.3  |
| 45°   | 701.1  | 716.4  | 736.7  | 746.9  | 759.6  | 792.6  | 810.4  | 830.7  | 848.5  | 858.6  | 856.1  |
| 47.5° | 505.5  | 523.3  | 546.2  | 561.4  | 584.3  | 624.9  | 670.6  | 696.1  | 721.5  | 734.2  | 746.9  |
| 50°   | 365.8  | 383.6  | 411.5  | 434.4  | 449.6  | 505.5  | 553.8  | 586.8  | 614.8  | 632.5  | 645.2  |
| 52.5° | 256.6  | 276.9  | 307.4  | 327.7  | 350.6  | 403.9  | 459.8  | 497.9  | 528.4  | 551.3  | 564.0  |
| 55°   | 177.8  | 200.7  | 228.6  | 249.0  | 274.4  | 330.2  | 383.6  | 424.2  | 457.3  | 477.6  | 492.8  |
| 57.5° | 124.5  | 144.8  | 172.7  | 190.5  | 215.9  | 269.3  | 322.6  | 363.3  | 396.3  | 416.6  | 434.4  |
| 60°   | 83.8   | 104.2  | 132.1  | 149.9  | 170.2  | 223.5  | 271.8  | 315.0  | 345.5  | 365.8  | 383.6  |
| 62.5° | 58.4   | 76.2   | 104.2  | 121.9  | 139.7  | 185.4  | 231.2  | 269.3  | 299.8  | 322.6  | 337.9  |
| 65°   | 45.7   | 61.0   | 83.8   | 99.1   | 116.9  | 155.0  | 193.1  | 226.1  | 256.6  | 279.4  | 289.6  |
| 67.5° | 33.0   | 48.3   | 66.0   | 78.8   | 91.5   | 124.5  | 157.5  | 182.9  | 210.8  | 228.6  | 241.3  |
| 70°   | 22.9   | 33.0   | 48.3   | 58.4   | 68.6   | 94.0   | 119.4  | 142.3  | 162.6  | 175.3  | 185.4  |
| 72.5° | 17.8   | 22.9   | 33.0   | 40.6   | 48.3   | 66.0   | 86.4   | 104.2  | 119.4  | 129.6  | 139.7  |
| 75°   | 10.2   | 15.2   | 22.9   | 27.9   | 33.0   | 45.7   | 58.4   | 71.1   | 81.3   | 88.9   | 94.0   |
| 77.5° | 5.1    | 7.6    | 12.7   | 15.2   | 20.3   | 27.9   | 38.1   | 45.7   | 53.3   | 58.4   | 63.5   |
| 80°   | 5.1    | 5.1    | 7.6    | 7.6    | 10.2   | 15.2   | 20.3   | 25.4   | 30.5   | 35.6   | 38.1   |
| 82.5° | 2.5    | 2.5    | 5.1    | 5.1    | 5.1    | 7.6    | 10.2   | 15.2   | 17.8   | 20.3   | 22.9   |
| 85°   | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 5.1    | 5.1    | 7.6    | 10.2   | 12.7   | 12.7   |
| 87.5° | 0.0    | 0.0    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 5.1    | 5.1    | 5.1    | 7.6    |
| 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: P252620

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBDW1LI

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 | 2197.4 |
| 2.5°  | 2189.8 | 2194.9 | 2192.3 | 2197.4 | 2189.8 | 2187.2 | 2192.3 | 2184.7 |
| 5°    | 2161.8 | 2164.4 | 2161.8 | 2161.8 | 2156.7 | 2151.7 | 2156.7 | 2149.1 |
| 7.5°  | 2118.6 | 2118.6 | 2111.0 | 2111.0 | 2100.9 | 2095.8 | 2095.8 | 2093.2 |
| 10°   | 2083.1 | 2075.5 | 2067.8 | 2070.4 | 2055.1 | 2050.1 | 2047.5 | 2045.0 |
| 12.5° | 2065.3 | 2060.2 | 2047.5 | 2047.5 | 2032.3 | 2027.2 | 2024.7 | 2022.1 |
| 15°   | 2045.0 | 2034.8 | 2024.7 | 2022.1 | 2009.4 | 2004.3 | 2001.8 | 1996.7 |
| 17.5° | 2009.4 | 2001.8 | 1989.1 | 1989.1 | 1976.4 | 1973.8 | 1968.8 | 1966.2 |
| 20°   | 1971.3 | 1961.1 | 1951.0 | 1951.0 | 1935.7 | 1935.7 | 1928.1 | 1930.7 |
| 22.5° | 1918.0 | 1910.3 | 1900.2 | 1900.2 | 1887.5 | 1884.9 | 1877.3 | 1874.8 |
| 25°   | 1854.4 | 1844.3 | 1836.7 | 1834.1 | 1824.0 | 1818.9 | 1816.3 | 1811.3 |
| 27.5° | 1770.6 | 1763.0 | 1755.4 | 1750.3 | 1737.6 | 1735.1 | 1727.4 | 1730.0 |
| 30°   | 1666.5 | 1661.4 | 1658.8 | 1653.8 | 1638.5 | 1633.4 | 1633.4 | 1625.8 |
| 32.5° | 1552.1 | 1544.5 | 1539.4 | 1531.8 | 1519.1 | 1516.6 | 1509.0 | 1511.5 |
| 35°   | 1412.4 | 1402.3 | 1394.6 | 1397.2 | 1381.9 | 1379.4 | 1374.3 | 1376.9 |
| 37.5° | 1267.6 | 1257.5 | 1247.3 | 1244.8 | 1232.1 | 1232.1 | 1224.4 | 1224.4 |
| 40°   | 1117.7 | 1107.6 | 1102.5 | 1102.5 | 1087.3 | 1089.8 | 1082.2 | 1079.6 |
| 42.5° | 983.1  | 972.9  | 970.4  | 967.9  | 960.2  | 957.7  | 950.1  | 952.6  |
| 45°   | 856.1  | 853.6  | 853.6  | 848.5  | 840.9  | 838.3  | 840.9  | 840.9  |
| 47.5° | 744.3  | 746.9  | 744.3  | 744.3  | 739.2  | 744.3  | 739.2  | 741.8  |
| 50°   | 650.3  | 655.4  | 655.4  | 655.4  | 652.9  | 655.4  | 655.4  | 657.9  |
| 52.5° | 571.6  | 579.2  | 576.7  | 579.2  | 576.7  | 581.7  | 579.2  | 581.7  |
| 55°   | 503.0  | 508.1  | 510.6  | 513.1  | 513.1  | 513.1  | 513.1  | 513.1  |
| 57.5° | 439.5  | 447.1  | 449.6  | 452.2  | 452.2  | 457.3  | 452.2  | 452.2  |
| 60°   | 388.7  | 396.3  | 398.8  | 401.4  | 401.4  | 403.9  | 398.8  | 401.4  |
| 62.5° | 342.9  | 350.6  | 350.6  | 353.1  | 353.1  | 353.1  | 348.0  | 350.6  |
| 65°   | 297.2  | 299.8  | 302.3  | 302.3  | 299.8  | 299.8  | 297.2  | 299.8  |
| 67.5° | 246.4  | 249.0  | 246.4  | 246.4  | 243.9  | 243.9  | 238.8  | 241.3  |
| 70°   | 190.5  | 190.5  | 193.1  | 190.5  | 188.0  | 190.5  | 188.0  | 185.4  |
| 72.5° | 142.3  | 142.3  | 142.3  | 139.7  | 139.7  | 137.2  | 139.7  | 139.7  |
| 75°   | 96.5   | 96.5   | 99.1   | 99.1   | 99.1   | 99.1   | 96.5   | 96.5   |
| 77.5° | 63.5   | 63.5   | 63.5   | 63.5   | 66.0   | 63.5   | 63.5   | 63.5   |
| 80°   | 40.6   | 40.6   | 43.2   | 43.2   | 40.6   | 40.6   | 40.6   | 40.6   |
| 82.5° | 25.4   | 25.4   | 25.4   | 25.4   | 25.4   | 25.4   | 25.4   | 25.4   |
| 85°   | 15.2   | 15.2   | 15.2   | 15.2   | 12.7   | 12.7   | 12.7   | 12.7   |
| 87.5° | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 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)