

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: P252426

Luminaire Tested: **LD6B60D010TE EU6B60709730 6LBLWW1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252426  
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 EU6B60709730 6LBLWW1LI  
Description: PORTFOLIO 6 INCH LENS WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4031.0 lumens  
Efficiency: N/A  
Efficacy: 64.5 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.02 / 1.12  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

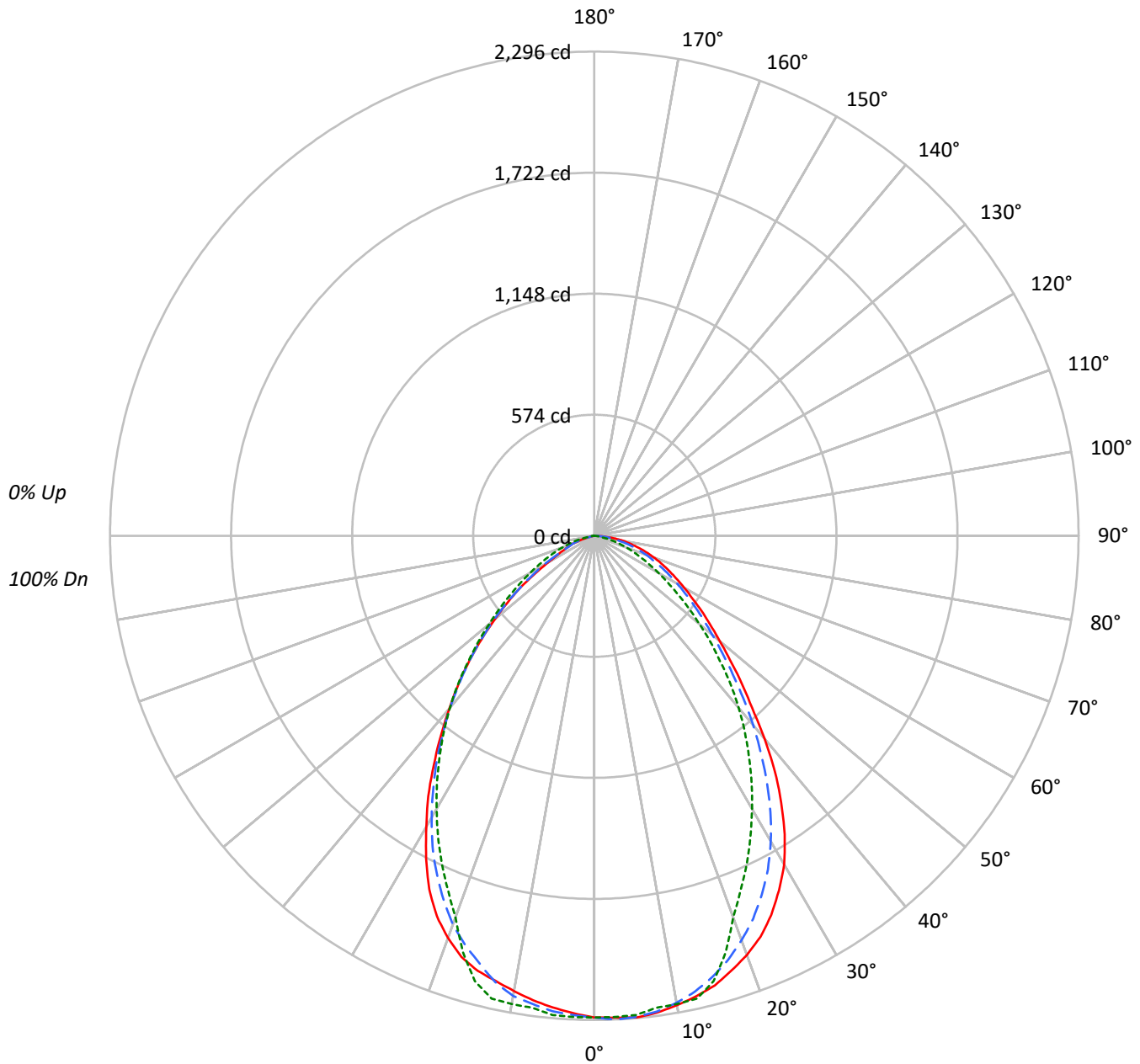
Input Watts (W): 62.48  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P252426

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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   | 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°  | 149010 | 149010 | 149010 |
| 5°  | 150162 | 149382 | 147051 |
| 10° | 149738 | 149341 | 145214 |
| 15° | 149059 | 147654 | 144250 |
| 20° | 146832 | 133655 | 140862 |
| 25° | 142847 | 123202 | 133237 |
| 30° | 135638 | 112623 | 119999 |
| 35° | 123082 | 101817 | 105600 |
| 40° | 106857 | 90693  | 90940  |
| 45° | 91139  | 78000  | 77179  |
| 50° | 78883  | 65932  | 62319  |
| 55° | 70510  | 54995  | 48250  |
| 60° | 64249  | 45668  | 32516  |
| 65° | 59989  | 37543  | 24267  |
| 70° | 57149  | 30558  | 20372  |
| 75° | 53842  | 21678  | 6730   |
| 80° | 51246  | 11158  | 2217   |
| 85° | 42218  | 6662   | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 215.7  | 5.4       |
| 10°-20°   | 603.2  | 15.0      |
| 20°-30°   | 832.7  | 20.7      |
| 30°-40°   | 847.3  | 21.0      |
| 40°-50°   | 681.0  | 16.9      |
| 50°-60°   | 452.8  | 11.2      |
| 60°-70°   | 258.0  | 6.4       |
| 70°-80°   | 115.9  | 2.9       |
| 80°-90°   | 24.4   | 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°    | 1651.6 | 41.0      |
| 0°-40°    | 2498.9 | 62.0      |
| 0°-60°    | 3632.7 | 90.1      |
| 0°-90°    | 4031.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4031.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2284 | 2284 | 2284 | 2284 | 2284 |      |
| 5°  | 2293 | 2290 | 2281 | 2263 | 2245 | 218  |
| 15° | 2207 | 2165 | 2186 | 2100 | 2136 | 621  |
| 25° | 1984 | 1878 | 1712 | 1768 | 1851 | 909  |
| 35° | 1545 | 1427 | 1278 | 1302 | 1326 | 960  |
| 45° | 988  | 928  | 845  | 836  | 836  | 766  |
| 55° | 620  | 578  | 484  | 430  | 424  | 557  |
| 65° | 389  | 347  | 243  | 157  | 157  | 387  |
| 75° | 214  | 178  | 86   | 36   | 27   | 228  |
| 85° | 56   | 39   | 9    | 3    | 0    | 67   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P252426

CATALOG NUMBER: LD6B60D010TE EU6B60709730 6LBLWW1LI

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 |
| 2.5°  | 2287.0 | 2298.8 | 2295.9 | 2292.9 | 2295.9 | 2292.9 | 2287.0 | 2287.0 | 2281.0 | 2281.0 | 2295.9 |
| 5°    | 2292.9 | 2298.8 | 2295.9 | 2292.9 | 2292.9 | 2295.9 | 2284.0 | 2284.0 | 2278.1 | 2275.1 | 2289.9 |
| 7.5°  | 2281.0 | 2289.9 | 2284.0 | 2284.0 | 2281.0 | 2284.0 | 2272.1 | 2272.1 | 2263.2 | 2260.3 | 2275.1 |
| 10°   | 2260.3 | 2272.1 | 2266.2 | 2266.2 | 2266.2 | 2260.3 | 2254.3 | 2251.4 | 2242.5 | 2239.5 | 2248.4 |
| 12.5° | 2236.5 | 2245.4 | 2242.5 | 2236.5 | 2236.5 | 2236.5 | 2224.7 | 2221.7 | 2209.8 | 2203.9 | 2212.8 |
| 15°   | 2206.9 | 2212.8 | 2209.8 | 2206.9 | 2200.9 | 2200.9 | 2189.1 | 2183.1 | 2171.3 | 2159.4 | 2165.3 |
| 17.5° | 2162.4 | 2171.3 | 2165.3 | 2162.4 | 2153.5 | 2153.5 | 2141.6 | 2135.7 | 2117.9 | 2106.0 | 2109.0 |
| 20°   | 2114.9 | 2117.9 | 2114.9 | 2109.0 | 2100.1 | 2097.1 | 2085.3 | 2073.4 | 2058.6 | 2043.7 | 2040.8 |
| 22.5° | 2058.6 | 2061.5 | 2052.6 | 2046.7 | 2037.8 | 2034.8 | 2020.0 | 2011.1 | 1987.4 | 1969.6 | 1966.6 |
| 25°   | 1984.4 | 1987.4 | 1987.4 | 1972.5 | 1966.6 | 1960.7 | 1945.8 | 1931.0 | 1910.3 | 1886.5 | 1877.6 |
| 27.5° | 1895.4 | 1904.3 | 1898.4 | 1883.6 | 1871.7 | 1868.7 | 1853.9 | 1842.0 | 1815.3 | 1794.6 | 1782.7 |
| 30°   | 1800.5 | 1797.5 | 1794.6 | 1785.7 | 1767.9 | 1764.9 | 1750.1 | 1735.2 | 1714.5 | 1687.8 | 1673.0 |
| 32.5° | 1678.9 | 1678.9 | 1675.9 | 1667.0 | 1649.2 | 1643.3 | 1631.4 | 1613.6 | 1589.9 | 1569.1 | 1554.3 |
| 35°   | 1545.4 | 1548.4 | 1545.4 | 1527.6 | 1515.7 | 1509.8 | 1503.9 | 1483.1 | 1462.4 | 1438.6 | 1426.8 |
| 37.5° | 1406.0 | 1397.1 | 1400.1 | 1385.2 | 1370.4 | 1376.3 | 1358.5 | 1349.6 | 1325.9 | 1308.1 | 1296.2 |
| 40°   | 1254.7 | 1260.6 | 1248.8 | 1242.9 | 1234.0 | 1225.1 | 1225.1 | 1210.2 | 1198.4 | 1177.6 | 1171.7 |
| 42.5° | 1106.4 | 1115.3 | 1112.3 | 1106.4 | 1094.5 | 1097.5 | 1082.7 | 1076.7 | 1061.9 | 1053.0 | 1044.1 |
| 45°   | 987.8  | 987.8  | 987.8  | 981.8  | 978.9  | 972.9  | 964.0  | 955.1  | 946.2  | 934.4  | 928.4  |
| 47.5° | 872.1  | 872.1  | 875.0  | 869.1  | 863.2  | 860.2  | 854.3  | 854.3  | 839.4  | 827.6  | 821.6  |
| 50°   | 777.2  | 777.2  | 777.2  | 771.2  | 765.3  | 765.3  | 759.4  | 753.4  | 744.5  | 735.6  | 729.7  |
| 52.5° | 691.1  | 691.1  | 691.1  | 685.2  | 682.2  | 679.3  | 676.3  | 673.3  | 661.5  | 655.5  | 649.6  |
| 55°   | 619.9  | 617.0  | 617.0  | 614.0  | 608.1  | 608.1  | 605.1  | 599.2  | 590.3  | 581.4  | 578.4  |
| 57.5° | 548.8  | 551.7  | 548.8  | 548.8  | 542.8  | 542.8  | 536.9  | 533.9  | 525.0  | 519.1  | 513.2  |
| 60°   | 492.4  | 492.4  | 492.4  | 489.4  | 483.5  | 486.5  | 480.5  | 477.6  | 468.7  | 459.8  | 453.8  |
| 62.5° | 436.0  | 439.0  | 439.0  | 436.0  | 430.1  | 430.1  | 427.1  | 424.2  | 415.3  | 406.4  | 397.5  |
| 65°   | 388.6  | 388.6  | 388.6  | 385.6  | 382.6  | 382.6  | 379.7  | 376.7  | 367.8  | 355.9  | 347.0  |
| 67.5° | 344.1  | 341.1  | 341.1  | 341.1  | 338.2  | 335.2  | 332.2  | 329.3  | 320.4  | 311.5  | 299.6  |
| 70°   | 299.6  | 299.6  | 299.6  | 296.6  | 290.7  | 293.7  | 290.7  | 287.7  | 278.8  | 269.9  | 261.0  |
| 72.5° | 258.1  | 258.1  | 255.1  | 252.1  | 252.1  | 249.2  | 249.2  | 246.2  | 237.3  | 225.4  | 216.5  |
| 75°   | 213.6  | 213.6  | 213.6  | 213.6  | 207.6  | 210.6  | 204.7  | 201.7  | 195.8  | 186.9  | 178.0  |
| 77.5° | 175.0  | 175.0  | 175.0  | 172.0  | 169.1  | 169.1  | 166.1  | 163.1  | 154.2  | 148.3  | 136.4  |
| 80°   | 136.4  | 136.4  | 136.4  | 136.4  | 133.5  | 130.5  | 127.5  | 124.6  | 118.6  | 109.8  | 100.9  |
| 82.5° | 100.9  | 100.9  | 97.9   | 97.9   | 97.9   | 94.9   | 92.0   | 89.0   | 83.1   | 77.1   | 71.2   |
| 85°   | 56.4   | 59.3   | 59.3   | 53.4   | 56.4   | 53.4   | 53.4   | 47.5   | 47.5   | 41.5   | 38.6   |
| 87.5° | 20.8   | 17.8   | 17.8   | 17.8   | 17.8   | 17.8   | 17.8   | 14.8   | 14.8   | 14.8   | 11.9   |
| 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: P252426

CATALOG NUMBER: LD6B60D010TE EU6B60709730 6LBLWW1LI

**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 |
| 2.5°  | 2284.0 | 2281.0 | 2292.9 | 2292.9 | 2275.1 | 2284.0 | 2287.0 | 2281.0 | 2281.0 | 2284.0 | 2275.1 |
| 5°    | 2278.1 | 2272.1 | 2284.0 | 2287.0 | 2269.2 | 2278.1 | 2281.0 | 2275.1 | 2278.1 | 2281.0 | 2269.2 |
| 7.5°  | 2257.3 | 2257.3 | 2266.2 | 2269.2 | 2251.4 | 2260.3 | 2260.3 | 2254.3 | 2257.3 | 2257.3 | 2248.4 |
| 10°   | 2236.5 | 2227.6 | 2236.5 | 2236.5 | 2221.7 | 2224.7 | 2230.6 | 2227.6 | 2239.5 | 2254.3 | 2254.3 |
| 12.5° | 2198.0 | 2189.1 | 2203.9 | 2203.9 | 2195.0 | 2206.9 | 2221.7 | 2230.6 | 2242.5 | 2248.4 | 2230.6 |
| 15°   | 2150.5 | 2153.5 | 2180.2 | 2200.9 | 2192.0 | 2209.8 | 2224.7 | 2218.7 | 2203.9 | 2186.1 | 2159.4 |
| 17.5° | 2088.2 | 2079.3 | 2103.1 | 2114.9 | 2103.1 | 2109.0 | 2120.9 | 2109.0 | 2085.3 | 2070.4 | 2034.8 |
| 20°   | 2017.0 | 1993.3 | 1993.3 | 1987.4 | 1966.6 | 1966.6 | 1963.6 | 1942.9 | 1934.0 | 1925.1 | 1910.3 |
| 22.5° | 1936.9 | 1910.3 | 1901.4 | 1883.6 | 1865.8 | 1862.8 | 1853.9 | 1833.1 | 1821.3 | 1815.3 | 1797.5 |
| 25°   | 1845.0 | 1821.3 | 1806.4 | 1788.6 | 1761.9 | 1756.0 | 1747.1 | 1726.3 | 1720.4 | 1711.5 | 1696.7 |
| 27.5° | 1750.1 | 1720.4 | 1699.7 | 1681.9 | 1658.1 | 1655.2 | 1637.4 | 1622.5 | 1610.7 | 1604.7 | 1592.9 |
| 30°   | 1640.3 | 1607.7 | 1592.9 | 1569.1 | 1551.3 | 1545.4 | 1530.6 | 1509.8 | 1500.9 | 1495.0 | 1486.1 |
| 32.5° | 1518.7 | 1492.0 | 1477.2 | 1456.4 | 1432.7 | 1435.7 | 1417.9 | 1400.1 | 1394.1 | 1388.2 | 1379.3 |
| 35°   | 1400.1 | 1373.4 | 1355.6 | 1337.8 | 1322.9 | 1317.0 | 1305.1 | 1290.3 | 1281.4 | 1278.4 | 1272.5 |
| 37.5° | 1269.5 | 1248.8 | 1234.0 | 1216.2 | 1204.3 | 1198.4 | 1192.4 | 1177.6 | 1171.7 | 1171.7 | 1159.8 |
| 40°   | 1142.0 | 1124.2 | 1112.3 | 1103.4 | 1088.6 | 1085.6 | 1079.7 | 1070.8 | 1067.8 | 1064.9 | 1056.0 |
| 42.5° | 1026.3 | 1002.6 | 993.7  | 987.8  | 978.9  | 972.9  | 970.0  | 964.0  | 961.1  | 958.1  | 949.2  |
| 45°   | 916.6  | 895.8  | 886.9  | 881.0  | 872.1  | 869.1  | 866.1  | 857.2  | 851.3  | 845.4  | 842.4  |
| 47.5° | 809.8  | 795.0  | 792.0  | 777.2  | 771.2  | 765.3  | 759.4  | 753.4  | 750.5  | 747.5  | 735.6  |
| 50°   | 717.8  | 708.9  | 694.1  | 685.2  | 679.3  | 676.3  | 664.4  | 655.5  | 652.6  | 649.6  | 640.7  |
| 52.5° | 634.8  | 622.9  | 614.0  | 599.2  | 596.2  | 590.3  | 584.3  | 572.5  | 566.6  | 563.6  | 554.7  |
| 55°   | 560.6  | 551.7  | 539.9  | 528.0  | 519.1  | 516.1  | 507.2  | 495.4  | 489.4  | 483.5  | 477.6  |
| 57.5° | 498.3  | 483.5  | 471.6  | 459.8  | 453.8  | 444.9  | 436.0  | 430.1  | 421.2  | 412.3  | 403.4  |
| 60°   | 439.0  | 427.1  | 412.3  | 400.4  | 394.5  | 388.6  | 376.7  | 367.8  | 358.9  | 350.0  | 341.1  |
| 62.5° | 382.6  | 370.8  | 355.9  | 344.1  | 338.2  | 332.2  | 320.4  | 311.5  | 302.6  | 293.7  | 281.8  |
| 65°   | 332.2  | 320.4  | 308.5  | 296.6  | 290.7  | 284.8  | 272.9  | 261.0  | 252.1  | 243.2  | 231.4  |
| 67.5° | 290.7  | 275.9  | 264.0  | 252.1  | 246.2  | 240.3  | 228.4  | 219.5  | 207.6  | 198.7  | 186.9  |
| 70°   | 246.2  | 234.3  | 225.4  | 213.6  | 207.6  | 201.7  | 189.8  | 178.0  | 169.1  | 160.2  | 148.3  |
| 72.5° | 207.6  | 192.8  | 183.9  | 172.0  | 166.1  | 163.1  | 151.3  | 142.4  | 133.5  | 121.6  | 112.7  |
| 75°   | 166.1  | 154.2  | 142.4  | 133.5  | 127.5  | 124.6  | 112.7  | 103.8  | 94.9   | 86.0   | 77.1   |
| 77.5° | 127.5  | 118.6  | 106.8  | 97.9   | 92.0   | 89.0   | 77.1   | 68.2   | 59.3   | 53.4   | 44.5   |
| 80°   | 94.9   | 83.1   | 77.1   | 68.2   | 65.3   | 59.3   | 53.4   | 44.5   | 38.6   | 29.7   | 23.7   |
| 82.5° | 65.3   | 56.4   | 50.4   | 44.5   | 41.5   | 38.6   | 32.6   | 26.7   | 20.8   | 17.8   | 14.8   |
| 85°   | 35.6   | 29.7   | 26.7   | 23.7   | 20.8   | 20.8   | 17.8   | 14.8   | 11.9   | 8.9    | 5.9    |
| 87.5° | 11.9   | 8.9    | 8.9    | 8.9    | 8.9    | 5.9    | 5.9    | 5.9    | 3.0    | 3.0    | 3.0    |
| 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: P252426

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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 |
| 2.5°  | 2281.0 | 2281.0 | 2281.0 | 2278.1 | 2278.1 | 2278.1 | 2275.1 | 2287.0 | 2275.1 | 2272.1 | 2281.0 |
| 5°    | 2278.1 | 2272.1 | 2272.1 | 2272.1 | 2272.1 | 2269.2 | 2266.2 | 2272.1 | 2263.2 | 2260.3 | 2260.3 |
| 7.5°  | 2260.3 | 2257.3 | 2257.3 | 2254.3 | 2251.4 | 2248.4 | 2245.4 | 2248.4 | 2239.5 | 2236.5 | 2236.5 |
| 10°   | 2263.2 | 2257.3 | 2257.3 | 2248.4 | 2242.5 | 2233.6 | 2224.7 | 2227.6 | 2215.8 | 2206.9 | 2206.9 |
| 12.5° | 2227.6 | 2212.8 | 2203.9 | 2195.0 | 2189.1 | 2186.1 | 2174.2 | 2180.2 | 2168.3 | 2165.3 | 2165.3 |
| 15°   | 2147.6 | 2129.8 | 2114.9 | 2109.0 | 2109.0 | 2103.1 | 2094.2 | 2106.0 | 2100.1 | 2103.1 | 2117.9 |
| 17.5° | 2023.0 | 2014.1 | 2005.2 | 2002.2 | 2005.2 | 2011.1 | 2017.0 | 2034.8 | 2034.8 | 2043.7 | 2058.6 |
| 20°   | 1913.2 | 1907.3 | 1913.2 | 1913.2 | 1916.2 | 1928.1 | 1939.9 | 1954.7 | 1960.7 | 1969.6 | 1990.3 |
| 22.5° | 1806.4 | 1806.4 | 1812.4 | 1821.3 | 1818.3 | 1839.1 | 1842.0 | 1868.7 | 1868.7 | 1886.5 | 1904.3 |
| 25°   | 1702.6 | 1702.6 | 1708.5 | 1711.5 | 1717.4 | 1729.3 | 1741.2 | 1761.9 | 1767.9 | 1785.7 | 1800.5 |
| 27.5° | 1601.8 | 1598.8 | 1598.8 | 1601.8 | 1607.7 | 1622.5 | 1628.5 | 1652.2 | 1661.1 | 1673.0 | 1687.8 |
| 30°   | 1489.0 | 1486.1 | 1492.0 | 1497.9 | 1495.0 | 1509.8 | 1518.7 | 1536.5 | 1542.4 | 1554.3 | 1566.2 |
| 32.5° | 1382.3 | 1382.3 | 1382.3 | 1388.2 | 1388.2 | 1400.1 | 1400.1 | 1420.8 | 1420.8 | 1429.7 | 1441.6 |
| 35°   | 1272.5 | 1272.5 | 1275.5 | 1278.4 | 1281.4 | 1284.4 | 1287.3 | 1299.2 | 1302.2 | 1305.1 | 1311.1 |
| 37.5° | 1168.7 | 1165.7 | 1168.7 | 1168.7 | 1162.8 | 1174.6 | 1174.6 | 1186.5 | 1177.6 | 1186.5 | 1189.5 |
| 40°   | 1061.9 | 1061.9 | 1058.9 | 1058.9 | 1058.9 | 1064.9 | 1058.9 | 1067.8 | 1061.9 | 1067.8 | 1064.9 |
| 42.5° | 952.2  | 952.2  | 946.2  | 952.2  | 949.2  | 949.2  | 949.2  | 955.1  | 946.2  | 952.2  | 955.1  |
| 45°   | 842.4  | 839.4  | 839.4  | 836.5  | 836.5  | 836.5  | 839.4  | 839.4  | 836.5  | 842.4  | 842.4  |
| 47.5° | 735.6  | 732.7  | 732.7  | 732.7  | 732.7  | 735.6  | 726.7  | 732.7  | 726.7  | 726.7  | 726.7  |
| 50°   | 643.7  | 640.7  | 637.7  | 634.8  | 631.8  | 631.8  | 628.8  | 628.8  | 622.9  | 619.9  | 617.0  |
| 52.5° | 554.7  | 551.7  | 545.8  | 545.8  | 542.8  | 539.9  | 531.0  | 531.0  | 522.1  | 519.1  | 519.1  |
| 55°   | 474.6  | 465.7  | 462.7  | 456.8  | 456.8  | 450.9  | 444.9  | 439.0  | 430.1  | 424.2  | 424.2  |
| 57.5° | 400.4  | 391.5  | 385.6  | 382.6  | 379.7  | 373.7  | 361.9  | 358.9  | 347.0  | 344.1  | 341.1  |
| 60°   | 335.2  | 326.3  | 317.4  | 311.5  | 308.5  | 299.6  | 287.7  | 281.8  | 275.9  | 267.0  | 258.1  |
| 62.5° | 272.9  | 264.0  | 252.1  | 249.2  | 243.2  | 234.3  | 225.4  | 216.5  | 210.6  | 201.7  | 195.8  |
| 65°   | 219.5  | 210.6  | 201.7  | 195.8  | 189.8  | 180.9  | 172.0  | 163.1  | 157.2  | 154.2  | 151.3  |
| 67.5° | 178.0  | 166.1  | 157.2  | 154.2  | 148.3  | 142.4  | 133.5  | 130.5  | 124.6  | 124.6  | 124.6  |
| 70°   | 139.4  | 130.5  | 121.6  | 118.6  | 115.7  | 109.8  | 103.8  | 103.8  | 103.8  | 103.8  | 103.8  |
| 72.5° | 103.8  | 97.9   | 89.0   | 86.0   | 83.1   | 80.1   | 74.2   | 77.1   | 74.2   | 74.2   | 74.2   |
| 75°   | 65.3   | 59.3   | 53.4   | 50.4   | 47.5   | 44.5   | 41.5   | 38.6   | 35.6   | 32.6   | 32.6   |
| 77.5° | 35.6   | 29.7   | 26.7   | 23.7   | 23.7   | 20.8   | 17.8   | 17.8   | 14.8   | 14.8   | 14.8   |
| 80°   | 20.8   | 17.8   | 14.8   | 11.9   | 11.9   | 8.9    | 8.9    | 8.9    | 8.9    | 5.9    | 5.9    |
| 82.5° | 11.9   | 8.9    | 5.9    | 5.9    | 5.9    | 5.9    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 85°   | 5.9    | 5.9    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 0.0    |
| 87.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 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: P252426

CATALOG NUMBER: LD6B60D010TE EU6B60709730 6LBLWW1LI

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 | 2284.0 |
| 2.5°  | 2266.2 | 2275.1 | 2266.2 | 2275.1 | 2275.1 | 2275.1 | 2275.1 | 2266.2 |
| 5°    | 2251.4 | 2257.3 | 2248.4 | 2254.3 | 2257.3 | 2254.3 | 2254.3 | 2245.4 |
| 7.5°  | 2224.7 | 2230.6 | 2221.7 | 2230.6 | 2233.6 | 2230.6 | 2227.6 | 2221.7 |
| 10°   | 2198.0 | 2200.9 | 2192.0 | 2198.0 | 2203.9 | 2203.9 | 2200.9 | 2192.0 |
| 12.5° | 2156.5 | 2165.3 | 2156.5 | 2162.4 | 2168.3 | 2171.3 | 2171.3 | 2162.4 |
| 15°   | 2109.0 | 2123.8 | 2117.9 | 2126.8 | 2135.7 | 2138.7 | 2138.7 | 2135.7 |
| 17.5° | 2061.5 | 2076.4 | 2067.5 | 2082.3 | 2091.2 | 2097.1 | 2100.1 | 2094.2 |
| 20°   | 1993.3 | 2011.1 | 2005.2 | 2017.0 | 2028.9 | 2037.8 | 2037.8 | 2028.9 |
| 22.5° | 1904.3 | 1928.1 | 1925.1 | 1934.0 | 1948.8 | 1951.8 | 1957.7 | 1951.8 |
| 25°   | 1806.4 | 1824.2 | 1821.3 | 1830.2 | 1848.0 | 1848.0 | 1850.9 | 1850.9 |
| 27.5° | 1693.7 | 1711.5 | 1708.5 | 1714.5 | 1726.3 | 1729.3 | 1732.3 | 1726.3 |
| 30°   | 1572.1 | 1581.0 | 1581.0 | 1589.9 | 1598.8 | 1601.8 | 1601.8 | 1592.9 |
| 32.5° | 1438.6 | 1450.5 | 1456.4 | 1453.5 | 1462.4 | 1468.3 | 1465.3 | 1465.3 |
| 35°   | 1317.0 | 1320.0 | 1322.9 | 1325.9 | 1328.9 | 1334.8 | 1328.9 | 1325.9 |
| 37.5° | 1186.5 | 1195.4 | 1189.5 | 1195.4 | 1201.3 | 1198.4 | 1195.4 | 1195.4 |
| 40°   | 1067.8 | 1070.8 | 1064.9 | 1070.8 | 1073.8 | 1073.8 | 1073.8 | 1067.8 |
| 42.5° | 949.2  | 955.1  | 949.2  | 955.1  | 955.1  | 955.1  | 955.1  | 952.2  |
| 45°   | 830.5  | 836.5  | 836.5  | 839.4  | 839.4  | 836.5  | 836.5  | 836.5  |
| 47.5° | 720.8  | 726.7  | 720.8  | 726.7  | 729.7  | 723.8  | 723.8  | 723.8  |
| 50°   | 617.0  | 614.0  | 614.0  | 617.0  | 617.0  | 617.0  | 617.0  | 614.0  |
| 52.5° | 510.2  | 513.2  | 513.2  | 513.2  | 516.1  | 513.2  | 516.1  | 516.1  |
| 55°   | 418.2  | 418.2  | 418.2  | 421.2  | 418.2  | 418.2  | 421.2  | 424.2  |
| 57.5° | 335.2  | 332.2  | 329.3  | 329.3  | 332.2  | 329.3  | 329.3  | 329.3  |
| 60°   | 258.1  | 255.1  | 252.1  | 252.1  | 252.1  | 252.1  | 252.1  | 249.2  |
| 62.5° | 192.8  | 192.8  | 192.8  | 195.8  | 195.8  | 195.8  | 195.8  | 198.7  |
| 65°   | 154.2  | 154.2  | 154.2  | 154.2  | 154.2  | 154.2  | 154.2  | 157.2  |
| 67.5° | 124.6  | 124.6  | 124.6  | 127.5  | 127.5  | 127.5  | 127.5  | 127.5  |
| 70°   | 103.8  | 103.8  | 106.8  | 103.8  | 106.8  | 106.8  | 106.8  | 106.8  |
| 72.5° | 71.2   | 71.2   | 71.2   | 71.2   | 71.2   | 68.2   | 71.2   | 68.2   |
| 75°   | 29.7   | 29.7   | 29.7   | 29.7   | 29.7   | 29.7   | 29.7   | 26.7   |
| 77.5° | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   |
| 80°   | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    |
| 82.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 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)