

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: P252604

Luminaire Tested: **LD6B40D010 EU6B30509035 6LBDW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252604
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: LD6B40D010 EU6B30509035 6LBDW1LI
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3607.0 lumens
Efficiency: N/A
Efficacy: 83.8 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

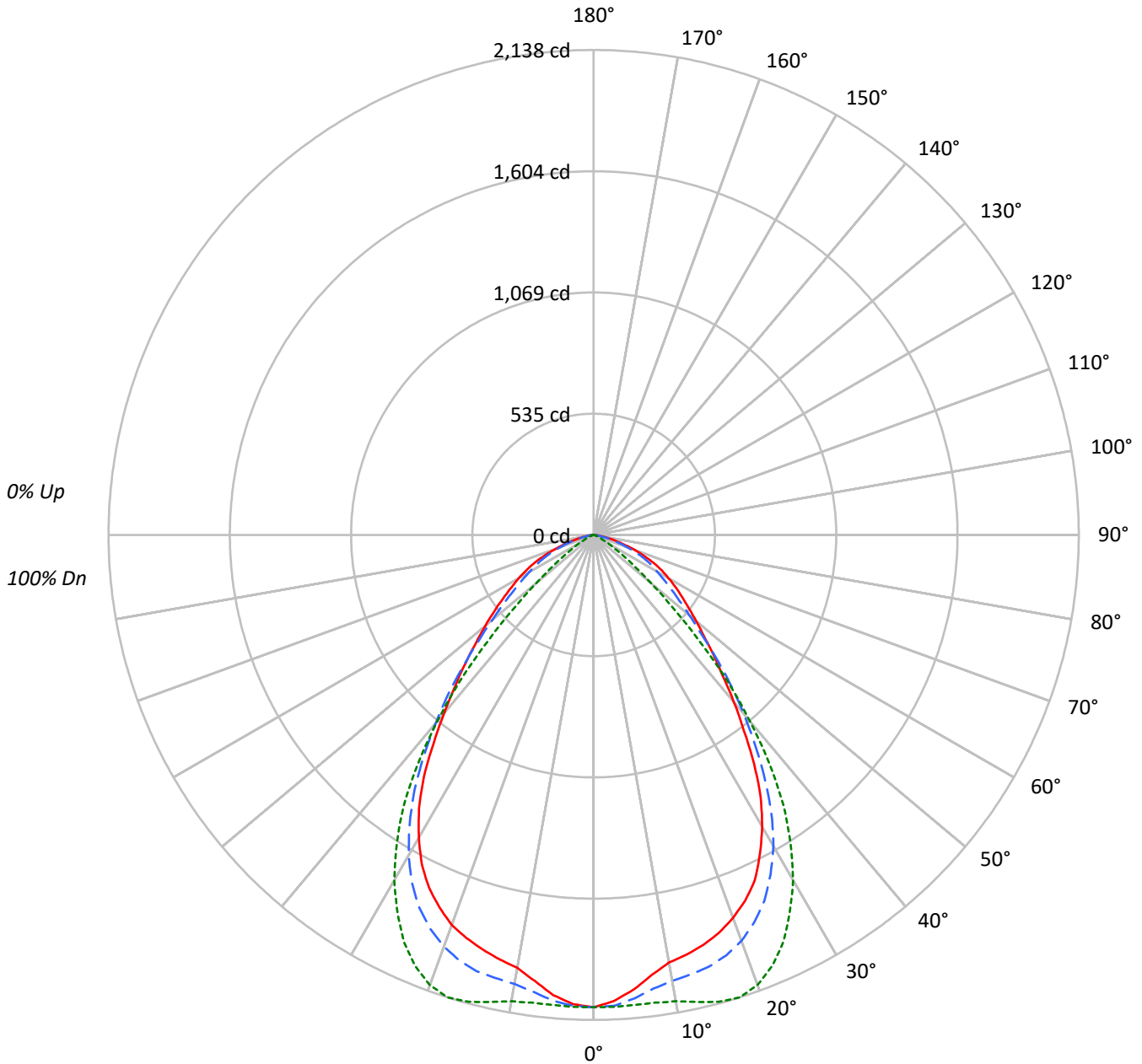
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252604

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Luminous Intensity Polar Plot





TEST NUMBER: P252604

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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 | 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 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 89 | | | | | | | | |
| 2 | 104 | 97 | 92 | 87 | 101 | 95 | 91 | 86 | 92 | 88 | 84 | 89 | 86 | 83 | 86 | 83 | 81 | 79 | | | | | | | | |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | | | | |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 | | | | | | | | |
| 5 | 84 | 73 | 65 | 60 | 82 | 72 | 65 | 59 | 70 | 64 | 59 | 68 | 63 | 58 | 66 | 62 | 58 | 56 | | | | | | | | |
| 6 | 78 | 67 | 59 | 54 | 76 | 66 | 59 | 53 | 64 | 58 | 53 | 63 | 57 | 53 | 61 | 56 | 52 | 50 | | | | | | | | |
| 7 | 73 | 61 | 54 | 49 | 72 | 61 | 53 | 48 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 51 | 48 | 46 | | | | | | | | |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 42 | | | | | | | | |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 | | | | | | | | |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 135864 | 135864 | 135864 |
| 5° | 131811 | 136225 | 133390 |
| 10° | 126797 | 138278 | 128387 |
| 15° | 126344 | 143912 | 127810 |
| 20° | 124692 | 146589 | 127032 |
| 25° | 120964 | 142458 | 123570 |
| 30° | 111900 | 132398 | 116074 |
| 35° | 98169 | 116392 | 103928 |
| 40° | 81810 | 91238 | 87141 |
| 45° | 68857 | 60193 | 73525 |
| 50° | 59619 | 32986 | 63283 |
| 55° | 53949 | 17528 | 55313 |
| 60° | 49635 | 9108 | 49635 |
| 65° | 44969 | 4832 | 43857 |
| 70° | 36281 | 2747 | 33515 |
| 75° | 24879 | 1815 | 23064 |
| 80° | 16268 | 902 | 14465 |
| 85° | 10779 | 1797 | 8983 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 194.2 | 5.4 |
| 10°-20° | 561.5 | 15.6 |
| 20°-30° | 829.7 | 23.0 |
| 30°-40° | 838.0 | 23.2 |
| 40°-50° | 577.6 | 16.0 |
| 50°-60° | 331.7 | 9.2 |
| 60°-70° | 193.1 | 5.4 |
| 70°-80° | 70.4 | 2.0 |
| 80°-90° | 10.8 | 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° | 1585.4 | 44.0 |
| 0°-40° | 2423.4 | 67.2 |
| 0°-60° | 3332.7 | 92.4 |
| 0°-90° | 3607.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3607.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2082 | 2082 | 2082 | 2082 | 2082 | |
| 5° | 2013 | 2051 | 2080 | 2061 | 2037 | 189 |
| 15° | 1871 | 1969 | 2131 | 1991 | 1892 | 527 |
| 25° | 1680 | 1779 | 1979 | 1815 | 1717 | 766 |
| 35° | 1233 | 1317 | 1461 | 1377 | 1305 | 765 |
| 45° | 746 | 756 | 652 | 804 | 797 | 580 |
| 55° | 474 | 416 | 154 | 433 | 486 | 427 |
| 65° | 291 | 246 | 31 | 243 | 284 | 285 |
| 75° | 99 | 79 | 7 | 77 | 92 | 111 |
| 85° | 14 | 7 | 2 | 10 | 12 | 18 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P252604

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 |
| 2.5° | 2056.0 | 2058.4 | 2060.8 | 2058.4 | 2060.8 | 2070.5 | 2063.2 | 2068.1 | 2068.1 | 2070.5 | 2077.7 |
| 5° | 2012.7 | 2012.7 | 2017.5 | 2015.1 | 2022.3 | 2031.9 | 2024.7 | 2031.9 | 2034.4 | 2039.2 | 2051.2 |
| 7.5° | 1957.3 | 1957.3 | 1959.7 | 1959.7 | 1969.3 | 1979.0 | 1974.2 | 1983.8 | 1993.4 | 2003.1 | 2017.5 |
| 10° | 1914.0 | 1918.8 | 1918.8 | 1921.2 | 1930.8 | 1942.9 | 1940.5 | 1952.5 | 1962.1 | 1976.6 | 1995.8 |
| 12.5° | 1894.7 | 1897.1 | 1897.1 | 1901.9 | 1911.6 | 1923.6 | 1921.2 | 1933.2 | 1947.7 | 1964.5 | 1983.8 |
| 15° | 1870.6 | 1875.5 | 1873.0 | 1877.9 | 1887.5 | 1899.5 | 1897.1 | 1909.2 | 1926.0 | 1942.9 | 1969.3 |
| 17.5° | 1839.3 | 1841.7 | 1844.2 | 1844.2 | 1853.8 | 1863.4 | 1863.4 | 1875.5 | 1894.7 | 1914.0 | 1942.9 |
| 20° | 1796.0 | 1800.8 | 1800.8 | 1803.2 | 1810.5 | 1824.9 | 1822.5 | 1834.5 | 1853.8 | 1873.0 | 1904.3 |
| 22.5° | 1745.4 | 1747.9 | 1747.9 | 1750.3 | 1762.3 | 1769.5 | 1771.9 | 1781.6 | 1798.4 | 1820.1 | 1849.0 |
| 25° | 1680.4 | 1682.9 | 1680.4 | 1687.7 | 1692.5 | 1706.9 | 1702.1 | 1714.2 | 1733.4 | 1750.3 | 1779.2 |
| 27.5° | 1586.6 | 1591.4 | 1591.4 | 1593.8 | 1605.8 | 1617.9 | 1617.9 | 1629.9 | 1646.7 | 1658.8 | 1687.7 |
| 30° | 1485.4 | 1492.7 | 1485.4 | 1497.5 | 1502.3 | 1511.9 | 1519.1 | 1526.4 | 1540.8 | 1557.7 | 1584.1 |
| 32.5° | 1369.9 | 1367.5 | 1369.9 | 1374.7 | 1389.1 | 1396.4 | 1401.2 | 1408.4 | 1422.8 | 1437.3 | 1459.0 |
| 35° | 1232.6 | 1237.5 | 1239.9 | 1249.5 | 1249.5 | 1261.5 | 1263.9 | 1268.8 | 1290.4 | 1300.1 | 1316.9 |
| 37.5° | 1088.2 | 1093.0 | 1095.4 | 1100.2 | 1109.9 | 1114.7 | 1121.9 | 1129.1 | 1143.6 | 1160.4 | 1170.1 |
| 40° | 960.6 | 960.6 | 963.0 | 967.8 | 975.0 | 977.5 | 984.7 | 994.3 | 1003.9 | 1018.4 | 1028.0 |
| 42.5° | 840.2 | 842.6 | 840.2 | 845.0 | 852.3 | 861.9 | 859.5 | 871.5 | 873.9 | 883.6 | 890.8 |
| 45° | 746.3 | 746.3 | 741.5 | 746.3 | 746.3 | 756.0 | 753.6 | 758.4 | 756.0 | 760.8 | 756.0 |
| 47.5° | 657.3 | 659.7 | 657.3 | 659.7 | 659.7 | 659.7 | 662.1 | 657.3 | 659.7 | 652.4 | 638.0 |
| 50° | 587.4 | 589.8 | 585.0 | 587.4 | 585.0 | 582.6 | 585.0 | 577.8 | 575.4 | 565.8 | 551.3 |
| 52.5° | 527.2 | 524.8 | 522.4 | 522.4 | 522.4 | 520.0 | 517.6 | 510.4 | 503.2 | 493.5 | 476.7 |
| 55° | 474.3 | 471.9 | 469.5 | 469.5 | 464.7 | 462.2 | 462.2 | 455.0 | 447.8 | 435.8 | 416.5 |
| 57.5° | 426.1 | 423.7 | 421.3 | 421.3 | 418.9 | 414.1 | 414.1 | 406.9 | 397.2 | 382.8 | 365.9 |
| 60° | 380.4 | 380.4 | 380.4 | 378.0 | 378.0 | 373.2 | 373.2 | 365.9 | 356.3 | 341.9 | 322.6 |
| 62.5° | 339.5 | 337.1 | 337.1 | 337.1 | 337.1 | 334.6 | 332.2 | 327.4 | 317.8 | 303.3 | 286.5 |
| 65° | 291.3 | 291.3 | 291.3 | 291.3 | 288.9 | 288.9 | 288.9 | 281.7 | 276.9 | 262.4 | 245.6 |
| 67.5° | 238.3 | 238.3 | 238.3 | 238.3 | 235.9 | 238.3 | 238.3 | 233.5 | 228.7 | 214.3 | 199.8 |
| 70° | 190.2 | 187.8 | 185.4 | 187.8 | 185.4 | 185.4 | 187.8 | 183.0 | 180.6 | 168.5 | 154.1 |
| 72.5° | 139.6 | 142.0 | 139.6 | 139.6 | 139.6 | 137.2 | 139.6 | 137.2 | 132.4 | 122.8 | 113.2 |
| 75° | 98.7 | 101.1 | 101.1 | 98.7 | 98.7 | 98.7 | 96.3 | 96.3 | 91.5 | 84.3 | 79.4 |
| 77.5° | 67.4 | 67.4 | 67.4 | 67.4 | 65.0 | 65.0 | 65.0 | 62.6 | 60.2 | 55.4 | 50.6 |
| 80° | 43.3 | 43.3 | 43.3 | 43.3 | 40.9 | 40.9 | 40.9 | 38.5 | 38.5 | 33.7 | 28.9 |
| 82.5° | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 24.1 | 24.1 | 21.7 | 19.3 | 16.9 |
| 85° | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 12.0 | 12.0 | 9.6 | 7.2 |
| 87.5° | 4.8 | 4.8 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 4.8 | 4.8 | 4.8 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 |
| 2.5° | 2072.9 | 2075.3 | 2075.3 | 2075.3 | 2082.5 | 2084.9 | 2077.7 | 2070.5 | 2084.9 | 2082.5 | 2087.3 |
| 5° | 2048.8 | 2056.0 | 2060.8 | 2063.2 | 2070.5 | 2075.3 | 2068.1 | 2065.6 | 2077.7 | 2080.1 | 2082.5 |
| 7.5° | 2019.9 | 2031.9 | 2044.0 | 2048.8 | 2058.4 | 2063.2 | 2060.8 | 2060.8 | 2075.3 | 2080.1 | 2080.1 |
| 10° | 2000.6 | 2017.5 | 2031.9 | 2044.0 | 2056.0 | 2063.2 | 2063.2 | 2065.6 | 2082.5 | 2087.3 | 2092.1 |
| 12.5° | 1995.8 | 2017.5 | 2036.8 | 2053.6 | 2063.2 | 2075.3 | 2077.7 | 2084.9 | 2101.8 | 2109.0 | 2109.0 |
| 15° | 1983.8 | 2012.7 | 2036.8 | 2058.4 | 2072.9 | 2087.3 | 2092.1 | 2106.6 | 2125.8 | 2130.7 | 2135.5 |
| 17.5° | 1962.1 | 1991.0 | 2019.9 | 2046.4 | 2065.6 | 2077.7 | 2092.1 | 2106.6 | 2130.7 | 2137.9 | 2140.3 |
| 20° | 1923.6 | 1957.3 | 1986.2 | 2012.7 | 2031.9 | 2048.8 | 2063.2 | 2080.1 | 2101.8 | 2111.4 | 2113.8 |
| 22.5° | 1865.8 | 1899.5 | 1928.4 | 1957.3 | 1976.6 | 1991.0 | 2005.5 | 2024.7 | 2046.4 | 2056.0 | 2056.0 |
| 25° | 1796.0 | 1827.3 | 1858.6 | 1880.3 | 1899.5 | 1916.4 | 1923.6 | 1945.3 | 1966.9 | 1979.0 | 1979.0 |
| 27.5° | 1706.9 | 1735.8 | 1764.7 | 1788.8 | 1800.8 | 1815.3 | 1827.3 | 1846.6 | 1863.4 | 1873.0 | 1882.7 |
| 30° | 1593.8 | 1622.7 | 1649.1 | 1673.2 | 1687.7 | 1702.1 | 1714.2 | 1728.6 | 1745.4 | 1757.5 | 1759.9 |
| 32.5° | 1471.0 | 1495.1 | 1521.5 | 1545.6 | 1560.1 | 1564.9 | 1576.9 | 1591.4 | 1605.8 | 1615.4 | 1617.9 |
| 35° | 1336.2 | 1353.0 | 1369.9 | 1391.5 | 1406.0 | 1406.0 | 1418.0 | 1427.7 | 1439.7 | 1461.4 | 1456.5 |
| 37.5° | 1177.3 | 1201.4 | 1213.4 | 1220.6 | 1230.2 | 1239.9 | 1242.3 | 1254.3 | 1268.8 | 1273.6 | 1280.8 |
| 40° | 1028.0 | 1035.2 | 1042.5 | 1042.5 | 1052.1 | 1052.1 | 1052.1 | 1054.5 | 1068.9 | 1071.3 | 1081.0 |
| 42.5° | 878.7 | 878.7 | 871.5 | 864.3 | 866.7 | 864.3 | 852.3 | 852.3 | 859.5 | 869.1 | 869.1 |
| 45° | 739.1 | 722.3 | 700.6 | 683.7 | 671.7 | 666.9 | 652.4 | 652.4 | 650.0 | 652.4 | 662.1 |
| 47.5° | 621.1 | 592.2 | 556.1 | 522.4 | 510.4 | 500.8 | 479.1 | 469.5 | 464.7 | 467.1 | 471.9 |
| 50° | 522.4 | 491.1 | 450.2 | 409.3 | 387.6 | 375.6 | 349.1 | 332.2 | 329.8 | 325.0 | 334.6 |
| 52.5° | 450.2 | 411.7 | 368.3 | 320.2 | 298.5 | 279.3 | 250.4 | 235.9 | 226.3 | 226.3 | 228.7 |
| 55° | 387.6 | 346.7 | 298.5 | 250.4 | 228.7 | 214.3 | 185.4 | 166.1 | 156.5 | 154.1 | 161.3 |
| 57.5° | 334.6 | 296.1 | 248.0 | 199.8 | 178.2 | 161.3 | 132.4 | 115.6 | 108.3 | 103.5 | 105.9 |
| 60° | 293.7 | 255.2 | 207.0 | 161.3 | 142.0 | 122.8 | 98.7 | 79.4 | 69.8 | 69.8 | 72.2 |
| 62.5° | 255.2 | 219.1 | 175.7 | 132.4 | 115.6 | 98.7 | 72.2 | 55.4 | 48.2 | 45.7 | 48.2 |
| 65° | 216.7 | 183.0 | 146.9 | 110.7 | 93.9 | 79.4 | 57.8 | 43.3 | 33.7 | 31.3 | 33.7 |
| 67.5° | 175.7 | 149.3 | 118.0 | 89.1 | 74.6 | 62.6 | 43.3 | 31.3 | 24.1 | 21.7 | 24.1 |
| 70° | 137.2 | 113.2 | 89.1 | 65.0 | 55.4 | 45.7 | 31.3 | 24.1 | 16.9 | 14.4 | 16.9 |
| 72.5° | 98.7 | 81.9 | 62.6 | 45.7 | 38.5 | 31.3 | 21.7 | 16.9 | 12.0 | 9.6 | 12.0 |
| 75° | 67.4 | 55.4 | 40.9 | 28.9 | 24.1 | 21.7 | 14.4 | 9.6 | 7.2 | 7.2 | 7.2 |
| 77.5° | 43.3 | 33.7 | 26.5 | 19.3 | 14.4 | 12.0 | 7.2 | 4.8 | 4.8 | 4.8 | 4.8 |
| 80° | 24.1 | 19.3 | 14.4 | 9.6 | 7.2 | 7.2 | 4.8 | 4.8 | 2.4 | 2.4 | 2.4 |
| 82.5° | 14.4 | 9.6 | 7.2 | 4.8 | 4.8 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 85° | 7.2 | 4.8 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 87.5° | 2.4 | 2.4 | 2.4 | 2.4 | 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° | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 |
| 2.5° | 2077.7 | 2080.1 | 2072.9 | 2082.5 | 2075.3 | 2084.9 | 2084.9 | 2075.3 | 2077.7 | 2072.9 | 2082.5 |
| 5° | 2072.9 | 2072.9 | 2068.1 | 2075.3 | 2065.6 | 2075.3 | 2072.9 | 2056.0 | 2060.8 | 2051.2 | 2060.8 |
| 7.5° | 2072.9 | 2068.1 | 2060.8 | 2068.1 | 2056.0 | 2063.2 | 2053.6 | 2036.8 | 2031.9 | 2019.9 | 2019.9 |
| 10° | 2080.1 | 2072.9 | 2063.2 | 2065.6 | 2053.6 | 2056.0 | 2041.6 | 2017.5 | 2010.3 | 1995.8 | 1991.0 |
| 12.5° | 2096.9 | 2089.7 | 2075.3 | 2080.1 | 2063.2 | 2063.2 | 2044.0 | 2015.1 | 2000.6 | 1981.4 | 1976.6 |
| 15° | 2121.0 | 2109.0 | 2092.1 | 2094.5 | 2077.7 | 2068.1 | 2044.0 | 2010.3 | 1991.0 | 1964.5 | 1957.3 |
| 17.5° | 2125.8 | 2113.8 | 2092.1 | 2092.1 | 2070.5 | 2058.4 | 2029.5 | 1991.0 | 1966.9 | 1940.5 | 1926.0 |
| 20° | 2099.4 | 2087.3 | 2063.2 | 2060.8 | 2041.6 | 2024.7 | 1993.4 | 1954.9 | 1930.8 | 1901.9 | 1889.9 |
| 22.5° | 2044.0 | 2029.5 | 2007.9 | 2005.5 | 1986.2 | 1976.6 | 1942.9 | 1904.3 | 1880.3 | 1851.4 | 1841.7 |
| 25° | 1962.1 | 1954.9 | 1933.2 | 1930.8 | 1914.0 | 1901.9 | 1873.0 | 1836.9 | 1815.3 | 1786.4 | 1776.7 |
| 27.5° | 1865.8 | 1858.6 | 1836.9 | 1836.9 | 1817.7 | 1810.5 | 1784.0 | 1750.3 | 1733.4 | 1706.9 | 1694.9 |
| 30° | 1750.3 | 1740.6 | 1728.6 | 1726.2 | 1709.3 | 1702.1 | 1678.0 | 1646.7 | 1629.9 | 1608.2 | 1603.4 |
| 32.5° | 1613.0 | 1605.8 | 1598.6 | 1596.2 | 1579.3 | 1572.1 | 1555.3 | 1524.0 | 1509.5 | 1490.3 | 1483.0 |
| 35° | 1454.1 | 1449.3 | 1442.1 | 1439.7 | 1432.5 | 1425.2 | 1408.4 | 1384.3 | 1377.1 | 1362.7 | 1355.4 |
| 37.5° | 1271.2 | 1276.0 | 1271.2 | 1271.2 | 1263.9 | 1266.4 | 1251.9 | 1237.5 | 1230.2 | 1220.6 | 1215.8 |
| 40° | 1073.8 | 1083.4 | 1090.6 | 1090.6 | 1088.2 | 1097.8 | 1095.4 | 1083.4 | 1081.0 | 1076.2 | 1073.8 |
| 42.5° | 873.9 | 878.7 | 893.2 | 902.8 | 900.4 | 924.5 | 926.9 | 936.5 | 943.7 | 938.9 | 941.3 |
| 45° | 664.5 | 678.9 | 698.2 | 707.8 | 719.8 | 751.1 | 768.0 | 787.3 | 804.1 | 813.7 | 811.3 |
| 47.5° | 479.1 | 495.9 | 517.6 | 532.1 | 553.7 | 592.2 | 635.6 | 659.7 | 683.7 | 695.8 | 707.8 |
| 50° | 346.7 | 363.5 | 390.0 | 411.7 | 426.1 | 479.1 | 524.8 | 556.1 | 582.6 | 599.5 | 611.5 |
| 52.5° | 243.2 | 262.4 | 291.3 | 310.6 | 332.2 | 382.8 | 435.8 | 471.9 | 500.8 | 522.4 | 534.5 |
| 55° | 168.5 | 190.2 | 216.7 | 235.9 | 260.0 | 313.0 | 363.5 | 402.1 | 433.4 | 452.6 | 467.1 |
| 57.5° | 118.0 | 137.2 | 163.7 | 180.6 | 204.6 | 255.2 | 305.8 | 344.3 | 375.6 | 394.8 | 411.7 |
| 60° | 79.4 | 98.7 | 125.2 | 142.0 | 161.3 | 211.9 | 257.6 | 298.5 | 327.4 | 346.7 | 363.5 |
| 62.5° | 55.4 | 72.2 | 98.7 | 115.6 | 132.4 | 175.7 | 219.1 | 255.2 | 284.1 | 305.8 | 320.2 |
| 65° | 43.3 | 57.8 | 79.4 | 93.9 | 110.7 | 146.9 | 183.0 | 214.3 | 243.2 | 264.8 | 274.5 |
| 67.5° | 31.3 | 45.7 | 62.6 | 74.6 | 86.7 | 118.0 | 149.3 | 173.3 | 199.8 | 216.7 | 228.7 |
| 70° | 21.7 | 31.3 | 45.7 | 55.4 | 65.0 | 89.1 | 113.2 | 134.8 | 154.1 | 166.1 | 175.7 |
| 72.5° | 16.9 | 21.7 | 31.3 | 38.5 | 45.7 | 62.6 | 81.9 | 98.7 | 113.2 | 122.8 | 132.4 |
| 75° | 9.6 | 14.4 | 21.7 | 26.5 | 31.3 | 43.3 | 55.4 | 67.4 | 77.0 | 84.3 | 89.1 |
| 77.5° | 4.8 | 7.2 | 12.0 | 14.4 | 19.3 | 26.5 | 36.1 | 43.3 | 50.6 | 55.4 | 60.2 |
| 80° | 4.8 | 4.8 | 7.2 | 7.2 | 9.6 | 14.4 | 19.3 | 24.1 | 28.9 | 33.7 | 36.1 |
| 82.5° | 2.4 | 2.4 | 4.8 | 4.8 | 4.8 | 7.2 | 9.6 | 14.4 | 16.9 | 19.3 | 21.7 |
| 85° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 4.8 | 4.8 | 7.2 | 9.6 | 12.0 | 12.0 |
| 87.5° | 0.0 | 0.0 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 4.8 | 4.8 | 4.8 | 7.2 |
| 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: P252604

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBDW1LI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 | 2082.5 |
| 2.5° | 2075.3 | 2080.1 | 2077.7 | 2082.5 | 2075.3 | 2072.9 | 2077.7 | 2070.5 |
| 5° | 2048.8 | 2051.2 | 2048.8 | 2048.8 | 2044.0 | 2039.2 | 2044.0 | 2036.8 |
| 7.5° | 2007.9 | 2007.9 | 2000.6 | 2000.6 | 1991.0 | 1986.2 | 1986.2 | 1983.8 |
| 10° | 1974.2 | 1966.9 | 1959.7 | 1962.1 | 1947.7 | 1942.9 | 1940.5 | 1938.0 |
| 12.5° | 1957.3 | 1952.5 | 1940.5 | 1940.5 | 1926.0 | 1921.2 | 1918.8 | 1916.4 |
| 15° | 1938.0 | 1928.4 | 1918.8 | 1916.4 | 1904.3 | 1899.5 | 1897.1 | 1892.3 |
| 17.5° | 1904.3 | 1897.1 | 1885.1 | 1885.1 | 1873.0 | 1870.6 | 1865.8 | 1863.4 |
| 20° | 1868.2 | 1858.6 | 1849.0 | 1849.0 | 1834.5 | 1834.5 | 1827.3 | 1829.7 |
| 22.5° | 1817.7 | 1810.5 | 1800.8 | 1800.8 | 1788.8 | 1786.4 | 1779.2 | 1776.7 |
| 25° | 1757.5 | 1747.9 | 1740.6 | 1738.2 | 1728.6 | 1723.8 | 1721.4 | 1716.6 |
| 27.5° | 1678.0 | 1670.8 | 1663.6 | 1658.8 | 1646.7 | 1644.3 | 1637.1 | 1639.5 |
| 30° | 1579.3 | 1574.5 | 1572.1 | 1567.3 | 1552.8 | 1548.0 | 1548.0 | 1540.8 |
| 32.5° | 1471.0 | 1463.8 | 1459.0 | 1451.7 | 1439.7 | 1437.3 | 1430.1 | 1432.5 |
| 35° | 1338.6 | 1328.9 | 1321.7 | 1324.1 | 1309.7 | 1307.3 | 1302.5 | 1304.9 |
| 37.5° | 1201.4 | 1191.7 | 1182.1 | 1179.7 | 1167.6 | 1167.6 | 1160.4 | 1160.4 |
| 40° | 1059.3 | 1049.7 | 1044.9 | 1044.9 | 1030.4 | 1032.8 | 1025.6 | 1023.2 |
| 42.5° | 931.7 | 922.1 | 919.7 | 917.3 | 910.0 | 907.6 | 900.4 | 902.8 |
| 45° | 811.3 | 808.9 | 808.9 | 804.1 | 796.9 | 794.5 | 796.9 | 796.9 |
| 47.5° | 705.4 | 707.8 | 705.4 | 705.4 | 700.6 | 705.4 | 700.6 | 703.0 |
| 50° | 616.3 | 621.1 | 621.1 | 621.1 | 618.7 | 621.1 | 621.1 | 623.5 |
| 52.5° | 541.7 | 548.9 | 546.5 | 548.9 | 546.5 | 551.3 | 548.9 | 551.3 |
| 55° | 476.7 | 481.5 | 483.9 | 486.3 | 486.3 | 486.3 | 486.3 | 486.3 |
| 57.5° | 416.5 | 423.7 | 426.1 | 428.5 | 428.5 | 433.4 | 428.5 | 428.5 |
| 60° | 368.3 | 375.6 | 378.0 | 380.4 | 380.4 | 382.8 | 378.0 | 380.4 |
| 62.5° | 325.0 | 332.2 | 332.2 | 334.6 | 334.6 | 334.6 | 329.8 | 332.2 |
| 65° | 281.7 | 284.1 | 286.5 | 286.5 | 284.1 | 284.1 | 281.7 | 284.1 |
| 67.5° | 233.5 | 235.9 | 233.5 | 233.5 | 231.1 | 231.1 | 226.3 | 228.7 |
| 70° | 180.6 | 180.6 | 183.0 | 180.6 | 178.2 | 180.6 | 178.2 | 175.7 |
| 72.5° | 134.8 | 134.8 | 134.8 | 132.4 | 132.4 | 130.0 | 132.4 | 132.4 |
| 75° | 91.5 | 91.5 | 93.9 | 93.9 | 93.9 | 93.9 | 91.5 | 91.5 |
| 77.5° | 60.2 | 60.2 | 60.2 | 60.2 | 62.6 | 60.2 | 60.2 | 60.2 |
| 80° | 38.5 | 38.5 | 40.9 | 40.9 | 38.5 | 38.5 | 38.5 | 38.5 |
| 82.5° | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 |
| 85° | 14.4 | 14.4 | 14.4 | 14.4 | 12.0 | 12.0 | 12.0 | 12.0 |
| 87.5° | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 4.8 | 4.8 |
| 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)