

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: P252388

Luminaire Tested: **LD6B40D010 EU6B30508027 6LBLWW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252388
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: LD6B40D010 EU6B30508027 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: 3614.0 lumens
Efficiency: N/A
Efficacy: 84.0 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

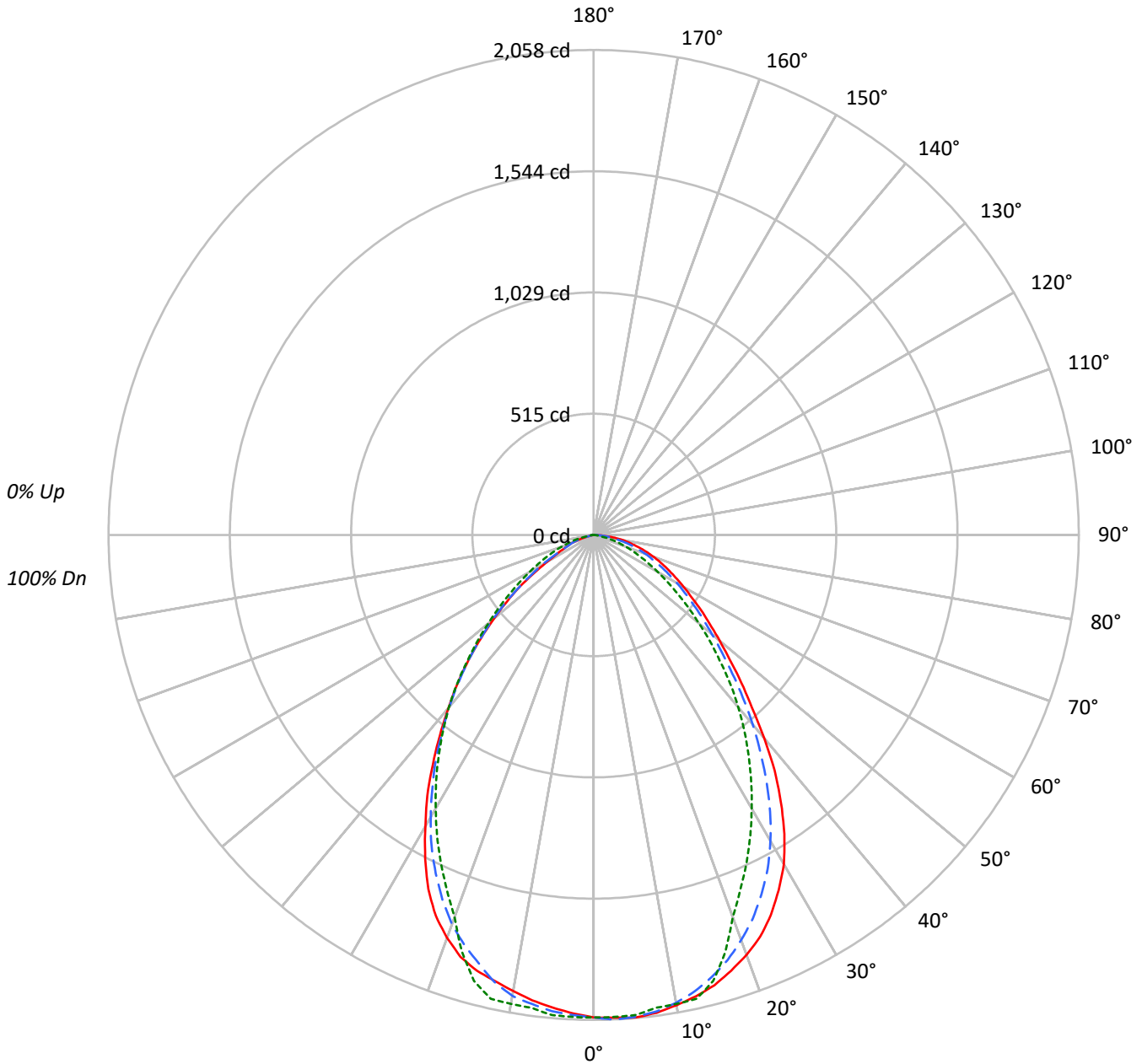
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252388

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBLWW1LI

Luminous Intensity Polar Plot





TEST NUMBER: P252388

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBLWW1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| RF | 20 | | | | 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 | | | | 100 |
| 1 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | 88 |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | | 77 |
| 3 | 95 | 86 | 80 | 74 | 93 | 85 | 79 | 73 | 82 | 77 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 | | | | 68 |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 63 | 57 | 68 | 62 | 57 | 66 | 60 | 56 | 64 | 59 | 55 | 54 | | | | 54 |
| 6 | 77 | 65 | 57 | 51 | 75 | 64 | 57 | 51 | 62 | 56 | 51 | 61 | 55 | 50 | 59 | 54 | 50 | 48 | | | | 48 |
| 7 | 72 | 60 | 52 | 46 | 70 | 59 | 51 | 46 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 49 | 45 | 44 | | | | 44 |
| 8 | 67 | 55 | 47 | 42 | 66 | 54 | 47 | 42 | 53 | 46 | 42 | 52 | 46 | 42 | 51 | 45 | 41 | 40 | | | | 40 |
| 9 | 63 | 51 | 43 | 38 | 62 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 36 | | | | 36 |
| 10 | 59 | 47 | 40 | 35 | 58 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 44 | 39 | 35 | 33 | | | | 33 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 133593 | 133593 | 133593 |
| 5° | 134627 | 133933 | 131844 |
| 10° | 134243 | 133892 | 130195 |
| 15° | 133639 | 132382 | 129330 |
| 20° | 131642 | 119825 | 126289 |
| 25° | 128069 | 110461 | 119459 |
| 30° | 121603 | 100969 | 107584 |
| 35° | 110347 | 91288 | 94673 |
| 40° | 95803 | 81308 | 81538 |
| 45° | 81709 | 69927 | 69189 |
| 50° | 70723 | 59112 | 55874 |
| 55° | 63219 | 49308 | 43257 |
| 60° | 57607 | 40945 | 29150 |
| 65° | 53783 | 33669 | 21751 |
| 70° | 51236 | 27392 | 18255 |
| 75° | 48271 | 19435 | 6024 |
| 80° | 45949 | 9994 | 1991 |
| 85° | 37802 | 5988 | 0 |



TEST NUMBER: P252388

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBLWW1LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 193.4 | 5.4 |
| 10°-20° | 540.8 | 15.0 |
| 20°-30° | 746.5 | 20.7 |
| 30°-40° | 759.7 | 21.0 |
| 40°-50° | 610.5 | 16.9 |
| 50°-60° | 406.0 | 11.2 |
| 60°-70° | 231.3 | 6.4 |
| 70°-80° | 103.9 | 2.9 |
| 80°-90° | 21.9 | 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° | 1480.7 | 41.0 |
| 0°-40° | 2240.4 | 62.0 |
| 0°-60° | 3256.9 | 90.1 |
| 0°-90° | 3614.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3614.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2048 | 2048 | 2048 | 2048 | 2048 | |
| 5° | 2056 | 2053 | 2045 | 2029 | 2013 | 195 |
| 15° | 1979 | 1941 | 1960 | 1883 | 1915 | 557 |
| 25° | 1779 | 1683 | 1534 | 1585 | 1660 | 815 |
| 35° | 1386 | 1279 | 1146 | 1168 | 1189 | 861 |
| 45° | 886 | 832 | 758 | 750 | 750 | 687 |
| 55° | 556 | 519 | 434 | 386 | 380 | 499 |
| 65° | 348 | 311 | 218 | 141 | 141 | 347 |
| 75° | 192 | 160 | 77 | 32 | 24 | 204 |
| 85° | 50 | 35 | 8 | 3 | 0 | 60 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P252388

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBLWW1LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 |
| 2.5° | 2050.4 | 2061.0 | 2058.4 | 2055.7 | 2058.4 | 2055.7 | 2050.4 | 2050.4 | 2045.1 | 2045.1 | 2058.4 |
| 5° | 2055.7 | 2061.0 | 2058.4 | 2055.7 | 2055.7 | 2058.4 | 2047.7 | 2047.7 | 2042.4 | 2039.7 | 2053.0 |
| 7.5° | 2045.1 | 2053.0 | 2047.7 | 2047.7 | 2045.1 | 2047.7 | 2037.1 | 2037.1 | 2029.1 | 2026.4 | 2039.7 |
| 10° | 2026.4 | 2037.1 | 2031.8 | 2031.8 | 2031.8 | 2026.4 | 2021.1 | 2018.5 | 2010.5 | 2007.8 | 2015.8 |
| 12.5° | 2005.2 | 2013.2 | 2010.5 | 2005.2 | 2005.2 | 2005.2 | 1994.5 | 1991.9 | 1981.2 | 1975.9 | 1983.9 |
| 15° | 1978.6 | 1983.9 | 1981.2 | 1978.6 | 1973.3 | 1973.3 | 1962.6 | 1957.3 | 1946.7 | 1936.0 | 1941.3 |
| 17.5° | 1938.7 | 1946.7 | 1941.3 | 1938.7 | 1930.7 | 1930.7 | 1920.1 | 1914.8 | 1898.8 | 1888.2 | 1890.8 |
| 20° | 1896.1 | 1898.8 | 1896.1 | 1890.8 | 1882.8 | 1880.2 | 1869.5 | 1858.9 | 1845.6 | 1832.3 | 1829.7 |
| 22.5° | 1845.6 | 1848.3 | 1840.3 | 1835.0 | 1827.0 | 1824.3 | 1811.0 | 1803.1 | 1781.8 | 1765.8 | 1763.2 |
| 25° | 1779.1 | 1781.8 | 1781.8 | 1768.5 | 1763.2 | 1757.9 | 1744.6 | 1731.3 | 1712.6 | 1691.4 | 1683.4 |
| 27.5° | 1699.3 | 1707.3 | 1702.0 | 1688.7 | 1678.1 | 1675.4 | 1662.1 | 1651.5 | 1627.5 | 1608.9 | 1598.3 |
| 30° | 1614.2 | 1611.6 | 1608.9 | 1600.9 | 1585.0 | 1582.3 | 1569.0 | 1555.7 | 1537.1 | 1513.2 | 1499.9 |
| 32.5° | 1505.2 | 1505.2 | 1502.5 | 1494.6 | 1478.6 | 1473.3 | 1462.7 | 1446.7 | 1425.4 | 1406.8 | 1393.5 |
| 35° | 1385.5 | 1388.2 | 1385.5 | 1369.6 | 1358.9 | 1353.6 | 1348.3 | 1329.7 | 1311.1 | 1289.8 | 1279.2 |
| 37.5° | 1260.5 | 1252.6 | 1255.2 | 1241.9 | 1228.6 | 1234.0 | 1218.0 | 1210.0 | 1188.7 | 1172.8 | 1162.1 |
| 40° | 1124.9 | 1130.2 | 1119.6 | 1114.3 | 1106.3 | 1098.3 | 1098.3 | 1085.0 | 1074.4 | 1055.8 | 1050.5 |
| 42.5° | 991.9 | 999.9 | 997.3 | 991.9 | 981.3 | 984.0 | 970.7 | 965.4 | 952.1 | 944.1 | 936.1 |
| 45° | 885.6 | 885.6 | 885.6 | 880.3 | 877.6 | 872.3 | 864.3 | 856.3 | 848.3 | 837.7 | 832.4 |
| 47.5° | 781.9 | 781.9 | 784.5 | 779.2 | 773.9 | 771.2 | 765.9 | 765.9 | 752.6 | 742.0 | 736.6 |
| 50° | 696.8 | 696.8 | 696.8 | 691.4 | 686.1 | 686.1 | 680.8 | 675.5 | 667.5 | 659.5 | 654.2 |
| 52.5° | 619.6 | 619.6 | 619.6 | 614.3 | 611.7 | 609.0 | 606.3 | 603.7 | 593.0 | 587.7 | 582.4 |
| 55° | 555.8 | 553.2 | 553.2 | 550.5 | 545.2 | 545.2 | 542.5 | 537.2 | 529.2 | 521.2 | 518.6 |
| 57.5° | 492.0 | 494.6 | 492.0 | 492.0 | 486.7 | 486.7 | 481.3 | 478.7 | 470.7 | 465.4 | 460.1 |
| 60° | 441.5 | 441.5 | 441.5 | 438.8 | 433.5 | 436.1 | 430.8 | 428.2 | 420.2 | 412.2 | 406.9 |
| 62.5° | 390.9 | 393.6 | 393.6 | 390.9 | 385.6 | 385.6 | 383.0 | 380.3 | 372.3 | 364.3 | 356.4 |
| 65° | 348.4 | 348.4 | 348.4 | 345.7 | 343.1 | 343.1 | 340.4 | 337.7 | 329.8 | 319.1 | 311.1 |
| 67.5° | 308.5 | 305.8 | 305.8 | 305.8 | 303.2 | 300.5 | 297.9 | 295.2 | 287.2 | 279.2 | 268.6 |
| 70° | 268.6 | 268.6 | 268.6 | 265.9 | 260.6 | 263.3 | 260.6 | 258.0 | 250.0 | 242.0 | 234.0 |
| 72.5° | 231.4 | 231.4 | 228.7 | 226.0 | 226.0 | 223.4 | 223.4 | 220.7 | 212.8 | 202.1 | 194.1 |
| 75° | 191.5 | 191.5 | 191.5 | 191.5 | 186.2 | 188.8 | 183.5 | 180.8 | 175.5 | 167.5 | 159.6 |
| 77.5° | 156.9 | 156.9 | 156.9 | 154.2 | 151.6 | 151.6 | 148.9 | 146.3 | 138.3 | 133.0 | 122.3 |
| 80° | 122.3 | 122.3 | 122.3 | 122.3 | 119.7 | 117.0 | 114.4 | 111.7 | 106.4 | 98.4 | 90.4 |
| 82.5° | 90.4 | 90.4 | 87.8 | 87.8 | 87.8 | 85.1 | 82.4 | 79.8 | 74.5 | 69.1 | 63.8 |
| 85° | 50.5 | 53.2 | 53.2 | 47.9 | 50.5 | 47.9 | 47.9 | 42.6 | 42.6 | 37.2 | 34.6 |
| 87.5° | 18.6 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 13.3 | 13.3 | 13.3 | 10.6 |
| 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: P252388

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBLWW1LI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 |
| 2.5° | 2047.7 | 2045.1 | 2055.7 | 2055.7 | 2039.7 | 2047.7 | 2050.4 | 2045.1 | 2045.1 | 2047.7 | 2039.7 |
| 5° | 2042.4 | 2037.1 | 2047.7 | 2050.4 | 2034.4 | 2042.4 | 2045.1 | 2039.7 | 2042.4 | 2045.1 | 2034.4 |
| 7.5° | 2023.8 | 2023.8 | 2031.8 | 2034.4 | 2018.5 | 2026.4 | 2026.4 | 2021.1 | 2023.8 | 2023.8 | 2015.8 |
| 10° | 2005.2 | 1997.2 | 2005.2 | 2005.2 | 1991.9 | 1994.5 | 1999.9 | 1997.2 | 2007.8 | 2021.1 | 2021.1 |
| 12.5° | 1970.6 | 1962.6 | 1975.9 | 1975.9 | 1967.9 | 1978.6 | 1991.9 | 1999.9 | 2010.5 | 2015.8 | 1999.9 |
| 15° | 1928.1 | 1930.7 | 1954.6 | 1973.3 | 1965.3 | 1981.2 | 1994.5 | 1989.2 | 1975.9 | 1960.0 | 1936.0 |
| 17.5° | 1872.2 | 1864.2 | 1885.5 | 1896.1 | 1885.5 | 1890.8 | 1901.5 | 1890.8 | 1869.5 | 1856.2 | 1824.3 |
| 20° | 1808.4 | 1787.1 | 1787.1 | 1781.8 | 1763.2 | 1763.2 | 1760.5 | 1741.9 | 1733.9 | 1725.9 | 1712.6 |
| 22.5° | 1736.6 | 1712.6 | 1704.7 | 1688.7 | 1672.8 | 1670.1 | 1662.1 | 1643.5 | 1632.9 | 1627.5 | 1611.6 |
| 25° | 1654.1 | 1632.9 | 1619.6 | 1603.6 | 1579.7 | 1574.4 | 1566.4 | 1547.8 | 1542.4 | 1534.5 | 1521.2 |
| 27.5° | 1569.0 | 1542.4 | 1523.8 | 1507.9 | 1486.6 | 1483.9 | 1468.0 | 1454.7 | 1444.0 | 1438.7 | 1428.1 |
| 30° | 1470.6 | 1441.4 | 1428.1 | 1406.8 | 1390.9 | 1385.5 | 1372.2 | 1353.6 | 1345.6 | 1340.3 | 1332.3 |
| 32.5° | 1361.6 | 1337.7 | 1324.4 | 1305.8 | 1284.5 | 1287.1 | 1271.2 | 1255.2 | 1249.9 | 1244.6 | 1236.6 |
| 35° | 1255.2 | 1231.3 | 1215.3 | 1199.4 | 1186.1 | 1180.8 | 1170.1 | 1156.8 | 1148.9 | 1146.2 | 1140.9 |
| 37.5° | 1138.2 | 1119.6 | 1106.3 | 1090.3 | 1079.7 | 1074.4 | 1069.1 | 1055.8 | 1050.5 | 1050.5 | 1039.8 |
| 40° | 1023.9 | 1007.9 | 997.3 | 989.3 | 976.0 | 973.3 | 968.0 | 960.0 | 957.4 | 954.7 | 946.7 |
| 42.5° | 920.1 | 898.9 | 890.9 | 885.6 | 877.6 | 872.3 | 869.6 | 864.3 | 861.6 | 859.0 | 851.0 |
| 45° | 821.7 | 803.1 | 795.2 | 789.8 | 781.9 | 779.2 | 776.5 | 768.6 | 763.2 | 757.9 | 755.3 |
| 47.5° | 726.0 | 712.7 | 710.1 | 696.8 | 691.4 | 686.1 | 680.8 | 675.5 | 672.8 | 670.2 | 659.5 |
| 50° | 643.6 | 635.6 | 622.3 | 614.3 | 609.0 | 606.3 | 595.7 | 587.7 | 585.1 | 582.4 | 574.4 |
| 52.5° | 569.1 | 558.5 | 550.5 | 537.2 | 534.5 | 529.2 | 523.9 | 513.3 | 507.9 | 505.3 | 497.3 |
| 55° | 502.6 | 494.6 | 484.0 | 473.4 | 465.4 | 462.7 | 454.8 | 444.1 | 438.8 | 433.5 | 428.2 |
| 57.5° | 446.8 | 433.5 | 422.8 | 412.2 | 406.9 | 398.9 | 390.9 | 385.6 | 377.6 | 369.7 | 361.7 |
| 60° | 393.6 | 383.0 | 369.7 | 359.0 | 353.7 | 348.4 | 337.7 | 329.8 | 321.8 | 313.8 | 305.8 |
| 62.5° | 343.1 | 332.4 | 319.1 | 308.5 | 303.2 | 297.9 | 287.2 | 279.2 | 271.3 | 263.3 | 252.6 |
| 65° | 297.9 | 287.2 | 276.6 | 265.9 | 260.6 | 255.3 | 244.7 | 234.0 | 226.0 | 218.1 | 207.4 |
| 67.5° | 260.6 | 247.3 | 236.7 | 226.0 | 220.7 | 215.4 | 204.8 | 196.8 | 186.2 | 178.2 | 167.5 |
| 70° | 220.7 | 210.1 | 202.1 | 191.5 | 186.2 | 180.8 | 170.2 | 159.6 | 151.6 | 143.6 | 133.0 |
| 72.5° | 186.2 | 172.9 | 164.9 | 154.2 | 148.9 | 146.3 | 135.6 | 127.7 | 119.7 | 109.0 | 101.1 |
| 75° | 148.9 | 138.3 | 127.7 | 119.7 | 114.4 | 111.7 | 101.1 | 93.1 | 85.1 | 77.1 | 69.1 |
| 77.5° | 114.4 | 106.4 | 95.7 | 87.8 | 82.4 | 79.8 | 69.1 | 61.2 | 53.2 | 47.9 | 39.9 |
| 80° | 85.1 | 74.5 | 69.1 | 61.2 | 58.5 | 53.2 | 47.9 | 39.9 | 34.6 | 26.6 | 21.3 |
| 82.5° | 58.5 | 50.5 | 45.2 | 39.9 | 37.2 | 34.6 | 29.3 | 23.9 | 18.6 | 16.0 | 13.3 |
| 85° | 31.9 | 26.6 | 23.9 | 21.3 | 18.6 | 18.6 | 16.0 | 13.3 | 10.6 | 8.0 | 5.3 |
| 87.5° | 10.6 | 8.0 | 8.0 | 8.0 | 8.0 | 5.3 | 5.3 | 5.3 | 2.7 | 2.7 | 2.7 |
| 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: P252388

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBLWW1LI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 |
| 2.5° | 2045.1 | 2045.1 | 2045.1 | 2042.4 | 2042.4 | 2042.4 | 2039.7 | 2050.4 | 2039.7 | 2037.1 | 2045.1 |
| 5° | 2042.4 | 2037.1 | 2037.1 | 2037.1 | 2037.1 | 2034.4 | 2031.8 | 2037.1 | 2029.1 | 2026.4 | 2026.4 |
| 7.5° | 2026.4 | 2023.8 | 2023.8 | 2021.1 | 2018.5 | 2015.8 | 2013.2 | 2015.8 | 2007.8 | 2005.2 | 2005.2 |
| 10° | 2029.1 | 2023.8 | 2023.8 | 2015.8 | 2010.5 | 2002.5 | 1994.5 | 1997.2 | 1986.6 | 1978.6 | 1978.6 |
| 12.5° | 1997.2 | 1983.9 | 1975.9 | 1967.9 | 1962.6 | 1960.0 | 1949.3 | 1954.6 | 1944.0 | 1941.3 | 1941.3 |
| 15° | 1925.4 | 1909.4 | 1896.1 | 1890.8 | 1890.8 | 1885.5 | 1877.5 | 1888.2 | 1882.8 | 1885.5 | 1898.8 |
| 17.5° | 1813.7 | 1805.7 | 1797.7 | 1795.1 | 1797.7 | 1803.1 | 1808.4 | 1824.3 | 1824.3 | 1832.3 | 1845.6 |
| 20° | 1715.3 | 1710.0 | 1715.3 | 1715.3 | 1718.0 | 1728.6 | 1739.2 | 1752.5 | 1757.9 | 1765.8 | 1784.4 |
| 22.5° | 1619.6 | 1619.6 | 1624.9 | 1632.9 | 1630.2 | 1648.8 | 1651.5 | 1675.4 | 1675.4 | 1691.4 | 1707.3 |
| 25° | 1526.5 | 1526.5 | 1531.8 | 1534.5 | 1539.8 | 1550.4 | 1561.1 | 1579.7 | 1585.0 | 1600.9 | 1614.2 |
| 27.5° | 1436.1 | 1433.4 | 1433.4 | 1436.1 | 1441.4 | 1454.7 | 1460.0 | 1481.3 | 1489.3 | 1499.9 | 1513.2 |
| 30° | 1335.0 | 1332.3 | 1337.7 | 1343.0 | 1340.3 | 1353.6 | 1361.6 | 1377.6 | 1382.9 | 1393.5 | 1404.2 |
| 32.5° | 1239.3 | 1239.3 | 1239.3 | 1244.6 | 1244.6 | 1255.2 | 1255.2 | 1273.8 | 1273.8 | 1281.8 | 1292.5 |
| 35° | 1140.9 | 1140.9 | 1143.5 | 1146.2 | 1148.9 | 1151.5 | 1154.2 | 1164.8 | 1167.5 | 1170.1 | 1175.4 |
| 37.5° | 1047.8 | 1045.1 | 1047.8 | 1047.8 | 1042.5 | 1053.1 | 1053.1 | 1063.8 | 1055.8 | 1063.8 | 1066.4 |
| 40° | 952.1 | 952.1 | 949.4 | 949.4 | 949.4 | 954.7 | 949.4 | 957.4 | 952.1 | 957.4 | 954.7 |
| 42.5° | 853.7 | 853.7 | 848.3 | 853.7 | 851.0 | 851.0 | 851.0 | 856.3 | 848.3 | 853.7 | 856.3 |
| 45° | 755.3 | 752.6 | 752.6 | 749.9 | 749.9 | 749.9 | 752.6 | 752.6 | 749.9 | 755.3 | 755.3 |
| 47.5° | 659.5 | 656.9 | 656.9 | 656.9 | 656.9 | 659.5 | 651.5 | 656.9 | 651.5 | 651.5 | 651.5 |
| 50° | 577.1 | 574.4 | 571.8 | 569.1 | 566.4 | 566.4 | 563.8 | 563.8 | 558.5 | 555.8 | 553.2 |
| 52.5° | 497.3 | 494.6 | 489.3 | 489.3 | 486.7 | 484.0 | 476.0 | 476.0 | 468.1 | 465.4 | 465.4 |
| 55° | 425.5 | 417.5 | 414.9 | 409.5 | 409.5 | 404.2 | 398.9 | 393.6 | 385.6 | 380.3 | 380.3 |
| 57.5° | 359.0 | 351.0 | 345.7 | 343.1 | 340.4 | 335.1 | 324.4 | 321.8 | 311.1 | 308.5 | 305.8 |
| 60° | 300.5 | 292.5 | 284.6 | 279.2 | 276.6 | 268.6 | 258.0 | 252.6 | 247.3 | 239.3 | 231.4 |
| 62.5° | 244.7 | 236.7 | 226.0 | 223.4 | 218.1 | 210.1 | 202.1 | 194.1 | 188.8 | 180.8 | 175.5 |
| 65° | 196.8 | 188.8 | 180.8 | 175.5 | 170.2 | 162.2 | 154.2 | 146.3 | 140.9 | 138.3 | 135.6 |
| 67.5° | 159.6 | 148.9 | 140.9 | 138.3 | 133.0 | 127.7 | 119.7 | 117.0 | 111.7 | 111.7 | 111.7 |
| 70° | 125.0 | 117.0 | 109.0 | 106.4 | 103.7 | 98.4 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| 72.5° | 93.1 | 87.8 | 79.8 | 77.1 | 74.5 | 71.8 | 66.5 | 69.1 | 66.5 | 66.5 | 66.5 |
| 75° | 58.5 | 53.2 | 47.9 | 45.2 | 42.6 | 39.9 | 37.2 | 34.6 | 31.9 | 29.3 | 29.3 |
| 77.5° | 31.9 | 26.6 | 23.9 | 21.3 | 21.3 | 18.6 | 16.0 | 16.0 | 13.3 | 13.3 | 13.3 |
| 80° | 18.6 | 16.0 | 13.3 | 10.6 | 10.6 | 8.0 | 8.0 | 8.0 | 8.0 | 5.3 | 5.3 |
| 82.5° | 10.6 | 8.0 | 5.3 | 5.3 | 5.3 | 5.3 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 85° | 5.3 | 5.3 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 0.0 |
| 87.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 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: P252388

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBLWW1LI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 | 2047.7 |
| 2.5° | 2031.8 | 2039.7 | 2031.8 | 2039.7 | 2039.7 | 2039.7 | 2039.7 | 2031.8 |
| 5° | 2018.5 | 2023.8 | 2015.8 | 2021.1 | 2023.8 | 2021.1 | 2021.1 | 2013.2 |
| 7.5° | 1994.5 | 1999.9 | 1991.9 | 1999.9 | 2002.5 | 1999.9 | 1997.2 | 1991.9 |
| 10° | 1970.6 | 1973.3 | 1965.3 | 1970.6 | 1975.9 | 1975.9 | 1973.3 | 1965.3 |
| 12.5° | 1933.4 | 1941.3 | 1933.4 | 1938.7 | 1944.0 | 1946.7 | 1946.7 | 1938.7 |
| 15° | 1890.8 | 1904.1 | 1898.8 | 1906.8 | 1914.8 | 1917.4 | 1917.4 | 1914.8 |
| 17.5° | 1848.3 | 1861.6 | 1853.6 | 1866.9 | 1874.9 | 1880.2 | 1882.8 | 1877.5 |
| 20° | 1787.1 | 1803.1 | 1797.7 | 1808.4 | 1819.0 | 1827.0 | 1827.0 | 1819.0 |
| 22.5° | 1707.3 | 1728.6 | 1725.9 | 1733.9 | 1747.2 | 1749.9 | 1755.2 | 1749.9 |
| 25° | 1619.6 | 1635.5 | 1632.9 | 1640.8 | 1656.8 | 1656.8 | 1659.5 | 1659.5 |
| 27.5° | 1518.5 | 1534.5 | 1531.8 | 1537.1 | 1547.8 | 1550.4 | 1553.1 | 1547.8 |
| 30° | 1409.5 | 1417.4 | 1417.4 | 1425.4 | 1433.4 | 1436.1 | 1436.1 | 1428.1 |
| 32.5° | 1289.8 | 1300.4 | 1305.8 | 1303.1 | 1311.1 | 1316.4 | 1313.7 | 1313.7 |
| 35° | 1180.8 | 1183.4 | 1186.1 | 1188.7 | 1191.4 | 1196.7 | 1191.4 | 1188.7 |
| 37.5° | 1063.8 | 1071.7 | 1066.4 | 1071.7 | 1077.0 | 1074.4 | 1071.7 | 1071.7 |
| 40° | 957.4 | 960.0 | 954.7 | 960.0 | 962.7 | 962.7 | 962.7 | 957.4 |
| 42.5° | 851.0 | 856.3 | 851.0 | 856.3 | 856.3 | 856.3 | 856.3 | 853.7 |
| 45° | 744.6 | 749.9 | 749.9 | 752.6 | 752.6 | 749.9 | 749.9 | 749.9 |
| 47.5° | 646.2 | 651.5 | 646.2 | 651.5 | 654.2 | 648.9 | 648.9 | 648.9 |
| 50° | 553.2 | 550.5 | 550.5 | 553.2 | 553.2 | 553.2 | 553.2 | 550.5 |
| 52.5° | 457.4 | 460.1 | 460.1 | 460.1 | 462.7 | 460.1 | 462.7 | 462.7 |
| 55° | 375.0 | 375.0 | 375.0 | 377.6 | 375.0 | 375.0 | 377.6 | 380.3 |
| 57.5° | 300.5 | 297.9 | 295.2 | 295.2 | 297.9 | 295.2 | 295.2 | 295.2 |
| 60° | 231.4 | 228.7 | 226.0 | 226.0 | 226.0 | 226.0 | 226.0 | 223.4 |
| 62.5° | 172.9 | 172.9 | 172.9 | 175.5 | 175.5 | 175.5 | 175.5 | 178.2 |
| 65° | 138.3 | 138.3 | 138.3 | 138.3 | 138.3 | 138.3 | 138.3 | 140.9 |
| 67.5° | 111.7 | 111.7 | 111.7 | 114.4 | 114.4 | 114.4 | 114.4 | 114.4 |
| 70° | 93.1 | 93.1 | 95.7 | 93.1 | 95.7 | 95.7 | 95.7 | 95.7 |
| 72.5° | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 61.2 | 63.8 | 61.2 |
| 75° | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 23.9 |
| 77.5° | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 80° | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 82.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)