

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: P252592

Luminaire Tested: **LD6B30D010 EU6B30509040 6LBDW1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252592  
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: LD6B30D010 EU6B30509040 6LBDW1LI  
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2556.0 lumens  
Efficiency: N/A  
Efficacy: 91.3 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

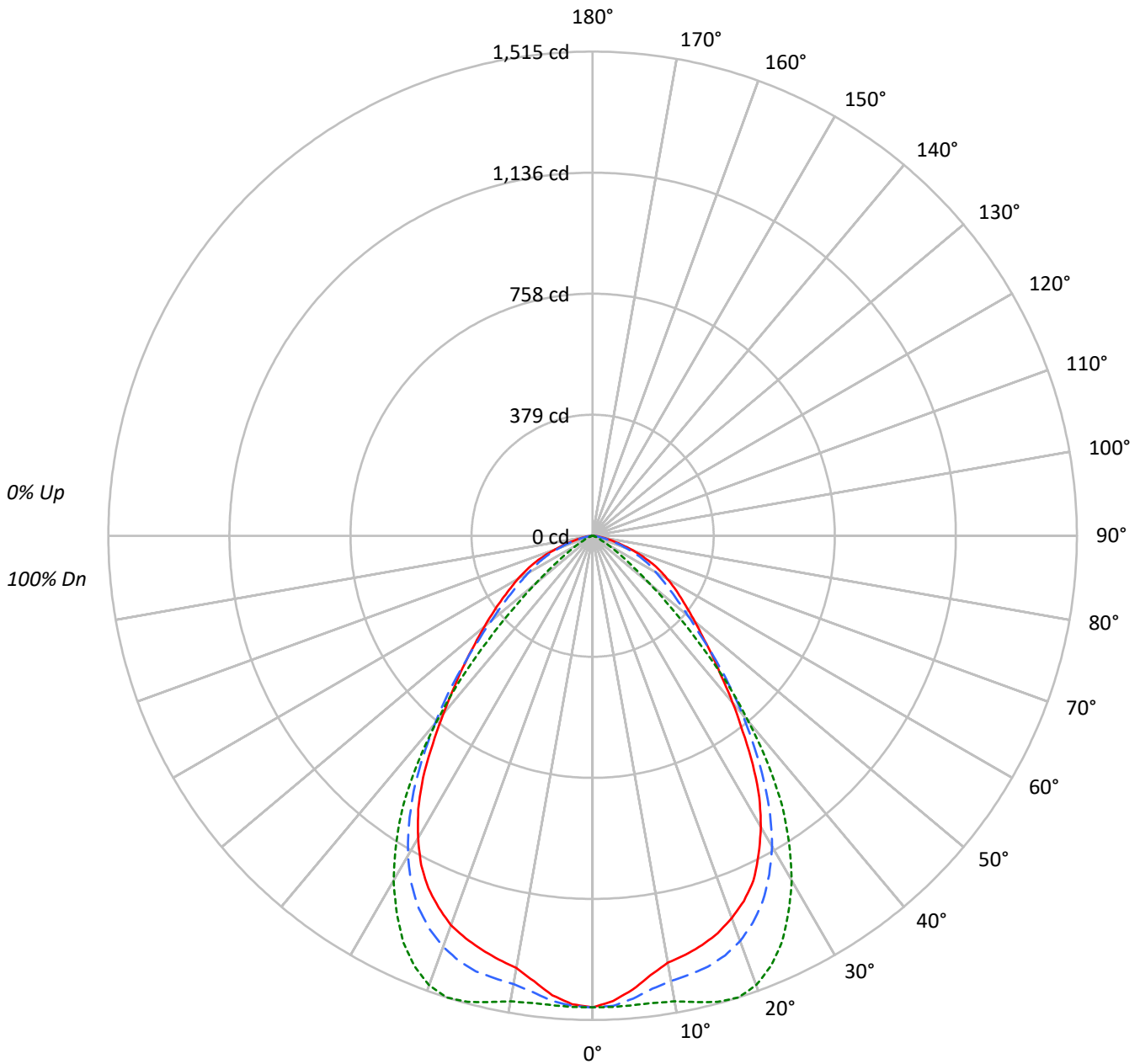
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 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°  | 96276 | 96276  | 96276 |
| 5°  | 93402 | 96532  | 94521 |
| 10° | 89851 | 97986  | 90977 |
| 15° | 89534 | 101975 | 90567 |
| 20° | 88361 | 103878 | 90020 |
| 25° | 85720 | 100945 | 87563 |
| 30° | 79296 | 93820  | 82257 |
| 35° | 69569 | 82479  | 73647 |
| 40° | 57972 | 64658  | 61754 |
| 45° | 48799 | 42654  | 52102 |
| 50° | 42253 | 23375  | 44851 |
| 55° | 38229 | 12421  | 39196 |
| 60° | 35178 | 6459   | 35178 |
| 65° | 31862 | 3427   | 31075 |
| 70° | 25713 | 1946   | 23748 |
| 75° | 17620 | 1286   | 16334 |
| 80° | 11534 | 639    | 10257 |
| 85° | 7635  | 1273   | 6363  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 137.6  | 5.4       |
| 10°-20°   | 397.9  | 15.6      |
| 20°-30°   | 587.9  | 23.0      |
| 30°-40°   | 593.8  | 23.2      |
| 40°-50°   | 409.3  | 16.0      |
| 50°-60°   | 235.1  | 9.2       |
| 60°-70°   | 136.8  | 5.4       |
| 70°-80°   | 49.9   | 2.0       |
| 80°-90°   | 7.6    | 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°    | 1123.4 | 44.0      |
| 0°-40°    | 1717.3 | 67.2      |
| 0°-60°    | 2361.6 | 92.4      |
| 0°-90°    | 2556.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2556.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1476 | 1476 | 1476 | 1476 | 1476 |      |
| 5°  | 1426 | 1454 | 1474 | 1460 | 1443 | 134  |
| 15° | 1326 | 1396 | 1510 | 1411 | 1341 | 373  |
| 25° | 1191 | 1261 | 1402 | 1286 | 1216 | 543  |
| 35° | 874  | 933  | 1036 | 976  | 925  | 542  |
| 45° | 529  | 536  | 462  | 570  | 565  | 411  |
| 55° | 336  | 295  | 109  | 307  | 345  | 303  |
| 65° | 206  | 174  | 22   | 172  | 201  | 202  |
| 75° | 70   | 56   | 5    | 55   | 65   | 79   |
| 85° | 10   | 5    | 2    | 7    | 8    | 13   |
| 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°    | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 |
| 2.5°  | 1456.9 | 1458.6 | 1460.4 | 1458.6 | 1460.4 | 1467.2 | 1462.1 | 1465.5 | 1465.5 | 1467.2 | 1472.3 |
| 5°    | 1426.2 | 1426.2 | 1429.6 | 1427.9 | 1433.1 | 1439.9 | 1434.8 | 1439.9 | 1441.6 | 1445.0 | 1453.5 |
| 7.5°  | 1387.0 | 1387.0 | 1388.7 | 1388.7 | 1395.5 | 1402.3 | 1398.9 | 1405.8 | 1412.6 | 1419.4 | 1429.6 |
| 10°   | 1356.3 | 1359.7 | 1359.7 | 1361.4 | 1368.2 | 1376.8 | 1375.1 | 1383.6 | 1390.4 | 1400.6 | 1414.3 |
| 12.5° | 1342.6 | 1344.3 | 1344.3 | 1347.8 | 1354.6 | 1363.1 | 1361.4 | 1369.9 | 1380.2 | 1392.1 | 1405.8 |
| 15°   | 1325.6 | 1329.0 | 1327.3 | 1330.7 | 1337.5 | 1346.0 | 1344.3 | 1352.9 | 1364.8 | 1376.8 | 1395.5 |
| 17.5° | 1303.4 | 1305.1 | 1306.8 | 1306.8 | 1313.6 | 1320.5 | 1320.5 | 1329.0 | 1342.6 | 1356.3 | 1376.8 |
| 20°   | 1272.7 | 1276.1 | 1276.1 | 1277.8 | 1282.9 | 1293.2 | 1291.5 | 1300.0 | 1313.6 | 1327.3 | 1349.5 |
| 22.5° | 1236.9 | 1238.6 | 1238.6 | 1240.3 | 1248.8 | 1253.9 | 1255.6 | 1262.5 | 1274.4 | 1289.8 | 1310.2 |
| 25°   | 1190.8 | 1192.5 | 1190.8 | 1195.9 | 1199.3 | 1209.6 | 1206.2 | 1214.7 | 1228.3 | 1240.3 | 1260.7 |
| 27.5° | 1124.3 | 1127.7 | 1127.7 | 1129.4 | 1137.9 | 1146.4 | 1146.4 | 1155.0 | 1166.9 | 1175.4 | 1195.9 |
| 30°   | 1052.6 | 1057.7 | 1052.6 | 1061.1 | 1064.6 | 1071.4 | 1076.5 | 1081.6 | 1091.9 | 1103.8 | 1122.6 |
| 32.5° | 970.7  | 969.0  | 970.7  | 974.1  | 984.4  | 989.5  | 992.9  | 998.0  | 1008.3 | 1018.5 | 1033.8 |
| 35°   | 873.5  | 876.9  | 878.6  | 885.4  | 885.4  | 894.0  | 895.7  | 899.1  | 914.4  | 921.3  | 933.2  |
| 37.5° | 771.1  | 774.5  | 776.2  | 779.7  | 786.5  | 789.9  | 795.0  | 800.1  | 810.4  | 822.3  | 829.1  |
| 40°   | 680.7  | 680.7  | 682.4  | 685.8  | 690.9  | 692.6  | 697.8  | 704.6  | 711.4  | 721.6  | 728.5  |
| 42.5° | 595.4  | 597.1  | 595.4  | 598.8  | 603.9  | 610.8  | 609.0  | 617.6  | 619.3  | 626.1  | 631.2  |
| 45°   | 528.9  | 528.9  | 525.5  | 528.9  | 528.9  | 535.7  | 534.0  | 537.4  | 535.7  | 539.1  | 535.7  |
| 47.5° | 465.7  | 467.4  | 465.7  | 467.4  | 467.4  | 467.4  | 469.2  | 465.7  | 467.4  | 462.3  | 452.1  |
| 50°   | 416.3  | 418.0  | 414.6  | 416.3  | 414.6  | 412.9  | 414.6  | 409.4  | 407.7  | 400.9  | 390.7  |
| 52.5° | 373.6  | 371.9  | 370.2  | 370.2  | 370.2  | 368.5  | 366.8  | 361.7  | 356.6  | 349.7  | 337.8  |
| 55°   | 336.1  | 334.4  | 332.7  | 332.7  | 329.3  | 327.6  | 327.6  | 322.4  | 317.3  | 308.8  | 295.1  |
| 57.5° | 302.0  | 300.3  | 298.6  | 298.6  | 296.8  | 293.4  | 293.4  | 288.3  | 281.5  | 271.3  | 259.3  |
| 60°   | 269.6  | 269.6  | 269.6  | 267.8  | 267.8  | 264.4  | 264.4  | 259.3  | 252.5  | 242.3  | 228.6  |
| 62.5° | 240.5  | 238.8  | 238.8  | 238.8  | 238.8  | 237.1  | 235.4  | 232.0  | 225.2  | 215.0  | 203.0  |
| 65°   | 206.4  | 206.4  | 206.4  | 206.4  | 204.7  | 204.7  | 204.7  | 199.6  | 196.2  | 186.0  | 174.0  |
| 67.5° | 168.9  | 168.9  | 168.9  | 168.9  | 167.2  | 168.9  | 168.9  | 165.5  | 162.1  | 151.8  | 141.6  |
| 70°   | 134.8  | 133.1  | 131.4  | 133.1  | 131.4  | 131.4  | 133.1  | 129.7  | 128.0  | 119.4  | 109.2  |
| 72.5° | 98.9   | 100.7  | 98.9   | 98.9   | 98.9   | 97.2   | 98.9   | 97.2   | 93.8   | 87.0   | 80.2   |
| 75°   | 69.9   | 71.7   | 71.7   | 69.9   | 69.9   | 69.9   | 68.2   | 68.2   | 64.8   | 59.7   | 56.3   |
| 77.5° | 47.8   | 47.8   | 47.8   | 47.8   | 46.1   | 46.1   | 46.1   | 44.4   | 42.7   | 39.2   | 35.8   |
| 80°   | 30.7   | 30.7   | 30.7   | 30.7   | 29.0   | 29.0   | 29.0   | 27.3   | 27.3   | 23.9   | 20.5   |
| 82.5° | 18.8   | 18.8   | 18.8   | 18.8   | 18.8   | 18.8   | 17.1   | 17.1   | 15.4   | 13.6   | 11.9   |
| 85°   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   | 8.5    | 8.5    | 6.8    | 5.1    |
| 87.5° | 3.4    | 3.4    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 3.4    | 3.4    | 3.4    |
| 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°    | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 |
| 2.5°  | 1468.9 | 1470.6 | 1470.6 | 1470.6 | 1475.7 | 1477.4 | 1472.3 | 1467.2 | 1477.4 | 1475.7 | 1479.1 |
| 5°    | 1451.8 | 1456.9 | 1460.4 | 1462.1 | 1467.2 | 1470.6 | 1465.5 | 1463.8 | 1472.3 | 1474.0 | 1475.7 |
| 7.5°  | 1431.3 | 1439.9 | 1448.4 | 1451.8 | 1458.6 | 1462.1 | 1460.4 | 1460.4 | 1470.6 | 1474.0 | 1474.0 |
| 10°   | 1417.7 | 1429.6 | 1439.9 | 1448.4 | 1456.9 | 1462.1 | 1462.1 | 1463.8 | 1475.7 | 1479.1 | 1482.5 |
| 12.5° | 1414.3 | 1429.6 | 1443.3 | 1455.2 | 1462.1 | 1470.6 | 1472.3 | 1477.4 | 1489.4 | 1494.5 | 1494.5 |
| 15°   | 1405.8 | 1426.2 | 1443.3 | 1458.6 | 1468.9 | 1479.1 | 1482.5 | 1492.8 | 1506.4 | 1509.8 | 1513.2 |
| 17.5° | 1390.4 | 1410.9 | 1431.3 | 1450.1 | 1463.8 | 1472.3 | 1482.5 | 1492.8 | 1509.8 | 1514.9 | 1516.7 |
| 20°   | 1363.1 | 1387.0 | 1407.5 | 1426.2 | 1439.9 | 1451.8 | 1462.1 | 1474.0 | 1489.4 | 1496.2 | 1497.9 |
| 22.5° | 1322.2 | 1346.0 | 1366.5 | 1387.0 | 1400.6 | 1410.9 | 1421.1 | 1434.8 | 1450.1 | 1456.9 | 1456.9 |
| 25°   | 1272.7 | 1294.9 | 1317.0 | 1332.4 | 1346.0 | 1358.0 | 1363.1 | 1378.5 | 1393.8 | 1402.3 | 1402.3 |
| 27.5° | 1209.6 | 1230.0 | 1250.5 | 1267.6 | 1276.1 | 1286.3 | 1294.9 | 1308.5 | 1320.5 | 1327.3 | 1334.1 |
| 30°   | 1129.4 | 1149.9 | 1168.6 | 1185.7 | 1195.9 | 1206.2 | 1214.7 | 1224.9 | 1236.9 | 1245.4 | 1247.1 |
| 32.5° | 1042.4 | 1059.4 | 1078.2 | 1095.3 | 1105.5 | 1108.9 | 1117.4 | 1127.7 | 1137.9 | 1144.7 | 1146.4 |
| 35°   | 946.8  | 958.8  | 970.7  | 986.1  | 996.3  | 996.3  | 1004.8 | 1011.7 | 1020.2 | 1035.6 | 1032.1 |
| 37.5° | 834.2  | 851.3  | 859.8  | 865.0  | 871.8  | 878.6  | 880.3  | 888.8  | 899.1  | 902.5  | 907.6  |
| 40°   | 728.5  | 733.6  | 738.7  | 738.7  | 745.5  | 745.5  | 745.5  | 747.2  | 757.5  | 759.2  | 766.0  |
| 42.5° | 622.7  | 622.7  | 617.6  | 612.5  | 614.2  | 612.5  | 603.9  | 603.9  | 609.0  | 615.9  | 615.9  |
| 45°   | 523.7  | 511.8  | 496.5  | 484.5  | 476.0  | 472.6  | 462.3  | 462.3  | 460.6  | 462.3  | 469.2  |
| 47.5° | 440.2  | 419.7  | 394.1  | 370.2  | 361.7  | 354.9  | 339.5  | 332.7  | 329.3  | 331.0  | 334.4  |
| 50°   | 370.2  | 348.0  | 319.0  | 290.0  | 274.7  | 266.1  | 247.4  | 235.4  | 233.7  | 230.3  | 237.1  |
| 52.5° | 319.0  | 291.7  | 261.0  | 226.9  | 211.5  | 197.9  | 177.4  | 167.2  | 160.4  | 160.4  | 162.1  |
| 55°   | 274.7  | 245.7  | 211.5  | 177.4  | 162.1  | 151.8  | 131.4  | 117.7  | 110.9  | 109.2  | 114.3  |
| 57.5° | 237.1  | 209.8  | 175.7  | 141.6  | 126.2  | 114.3  | 93.8   | 81.9   | 76.8   | 73.4   | 75.1   |
| 60°   | 208.1  | 180.8  | 146.7  | 114.3  | 100.7  | 87.0   | 69.9   | 56.3   | 49.5   | 49.5   | 51.2   |
| 62.5° | 180.8  | 155.2  | 124.5  | 93.8   | 81.9   | 69.9   | 51.2   | 39.2   | 34.1   | 32.4   | 34.1   |
| 65°   | 153.5  | 129.7  | 104.1  | 78.5   | 66.5   | 56.3   | 40.9   | 30.7   | 23.9   | 22.2   | 23.9   |
| 67.5° | 124.5  | 105.8  | 83.6   | 63.1   | 52.9   | 44.4   | 30.7   | 22.2   | 17.1   | 15.4   | 17.1   |
| 70°   | 97.2   | 80.2   | 63.1   | 46.1   | 39.2   | 32.4   | 22.2   | 17.1   | 11.9   | 10.2   | 11.9   |
| 72.5° | 69.9   | 58.0   | 44.4   | 32.4   | 27.3   | 22.2   | 15.4   | 11.9   | 8.5    | 6.8    | 8.5    |
| 75°   | 47.8   | 39.2   | 29.0   | 20.5   | 17.1   | 15.4   | 10.2   | 6.8    | 5.1    | 5.1    | 5.1    |
| 77.5° | 30.7   | 23.9   | 18.8   | 13.6   | 10.2   | 8.5    | 5.1    | 3.4    | 3.4    | 3.4    | 3.4    |
| 80°   | 17.1   | 13.6   | 10.2   | 6.8    | 5.1    | 5.1    | 3.4    | 3.4    | 1.7    | 1.7    | 1.7    |
| 82.5° | 10.2   | 6.8    | 5.1    | 3.4    | 3.4    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    |
| 85°   | 5.1    | 3.4    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    |
| 87.5° | 1.7    | 1.7    | 1.7    | 1.7    | 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    |



TEST NUMBER: P252592

CATALOG NUMBER: LD6B30D010 EU6B30509040 6LBDW1LI

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 |
| 2.5°  | 1472.3 | 1474.0 | 1468.9 | 1475.7 | 1470.6 | 1477.4 | 1477.4 | 1470.6 | 1472.3 | 1468.9 | 1475.7 |
| 5°    | 1468.9 | 1468.9 | 1465.5 | 1470.6 | 1463.8 | 1470.6 | 1468.9 | 1456.9 | 1460.4 | 1453.5 | 1460.4 |
| 7.5°  | 1468.9 | 1465.5 | 1460.4 | 1465.5 | 1456.9 | 1462.1 | 1455.2 | 1443.3 | 1439.9 | 1431.3 | 1431.3 |
| 10°   | 1474.0 | 1468.9 | 1462.1 | 1463.8 | 1455.2 | 1456.9 | 1446.7 | 1429.6 | 1424.5 | 1414.3 | 1410.9 |
| 12.5° | 1485.9 | 1480.8 | 1470.6 | 1474.0 | 1462.1 | 1462.1 | 1448.4 | 1427.9 | 1417.7 | 1404.1 | 1400.6 |
| 15°   | 1503.0 | 1494.5 | 1482.5 | 1484.2 | 1472.3 | 1465.5 | 1448.4 | 1424.5 | 1410.9 | 1392.1 | 1387.0 |
| 17.5° | 1506.4 | 1497.9 | 1482.5 | 1482.5 | 1467.2 | 1458.6 | 1438.2 | 1410.9 | 1393.8 | 1375.1 | 1364.8 |
| 20°   | 1487.6 | 1479.1 | 1462.1 | 1460.4 | 1446.7 | 1434.8 | 1412.6 | 1385.3 | 1368.2 | 1347.8 | 1339.2 |
| 22.5° | 1448.4 | 1438.2 | 1422.8 | 1421.1 | 1407.5 | 1400.6 | 1376.8 | 1349.5 | 1332.4 | 1311.9 | 1305.1 |
| 25°   | 1390.4 | 1385.3 | 1369.9 | 1368.2 | 1356.3 | 1347.8 | 1327.3 | 1301.7 | 1286.3 | 1265.9 | 1259.0 |
| 27.5° | 1322.2 | 1317.0 | 1301.7 | 1301.7 | 1288.0 | 1282.9 | 1264.2 | 1240.3 | 1228.3 | 1209.6 | 1201.0 |
| 30°   | 1240.3 | 1233.5 | 1224.9 | 1223.2 | 1211.3 | 1206.2 | 1189.1 | 1166.9 | 1155.0 | 1139.6 | 1136.2 |
| 32.5° | 1143.0 | 1137.9 | 1132.8 | 1131.1 | 1119.1 | 1114.0 | 1102.1 | 1079.9 | 1069.7 | 1056.0 | 1050.9 |
| 35°   | 1030.4 | 1027.0 | 1021.9 | 1020.2 | 1015.1 | 1010.0 | 998.0  | 981.0  | 975.8  | 965.6  | 960.5  |
| 37.5° | 900.8  | 904.2  | 900.8  | 900.8  | 895.7  | 897.4  | 887.1  | 876.9  | 871.8  | 865.0  | 861.5  |
| 40°   | 760.9  | 767.7  | 772.8  | 772.8  | 771.1  | 777.9  | 776.2  | 767.7  | 766.0  | 762.6  | 760.9  |
| 42.5° | 619.3  | 622.7  | 632.9  | 639.8  | 638.1  | 655.1  | 656.8  | 663.6  | 668.8  | 665.3  | 667.1  |
| 45°   | 470.9  | 481.1  | 494.7  | 501.6  | 510.1  | 532.3  | 544.2  | 557.9  | 569.8  | 576.6  | 574.9  |
| 47.5° | 339.5  | 351.4  | 366.8  | 377.0  | 392.4  | 419.7  | 450.4  | 467.4  | 484.5  | 493.0  | 501.6  |
| 50°   | 245.7  | 257.6  | 276.4  | 291.7  | 302.0  | 339.5  | 371.9  | 394.1  | 412.9  | 424.8  | 433.3  |
| 52.5° | 172.3  | 186.0  | 206.4  | 220.1  | 235.4  | 271.3  | 308.8  | 334.4  | 354.9  | 370.2  | 378.7  |
| 55°   | 119.4  | 134.8  | 153.5  | 167.2  | 184.3  | 221.8  | 257.6  | 284.9  | 307.1  | 320.7  | 331.0  |
| 57.5° | 83.6   | 97.2   | 116.0  | 128.0  | 145.0  | 180.8  | 216.7  | 244.0  | 266.1  | 279.8  | 291.7  |
| 60°   | 56.3   | 69.9   | 88.7   | 100.7  | 114.3  | 150.1  | 182.5  | 211.5  | 232.0  | 245.7  | 257.6  |
| 62.5° | 39.2   | 51.2   | 69.9   | 81.9   | 93.8   | 124.5  | 155.2  | 180.8  | 201.3  | 216.7  | 226.9  |
| 65°   | 30.7   | 40.9   | 56.3   | 66.5   | 78.5   | 104.1  | 129.7  | 151.8  | 172.3  | 187.7  | 194.5  |
| 67.5° | 22.2   | 32.4   | 44.4   | 52.9   | 61.4   | 83.6   | 105.8  | 122.8  | 141.6  | 153.5  | 162.1  |
| 70°   | 15.4   | 22.2   | 32.4   | 39.2   | 46.1   | 63.1   | 80.2   | 95.5   | 109.2  | 117.7  | 124.5  |
| 72.5° | 11.9   | 15.4   | 22.2   | 27.3   | 32.4   | 44.4   | 58.0   | 69.9   | 80.2   | 87.0   | 93.8   |
| 75°   | 6.8    | 10.2   | 15.4   | 18.8   | 22.2   | 30.7   | 39.2   | 47.8   | 54.6   | 59.7   | 63.1   |
| 77.5° | 3.4    | 5.1    | 8.5    | 10.2   | 13.6   | 18.8   | 25.6   | 30.7   | 35.8   | 39.2   | 42.7   |
| 80°   | 3.4    | 3.4    | 5.1    | 5.1    | 6.8    | 10.2   | 13.6   | 17.1   | 20.5   | 23.9   | 25.6   |
| 82.5° | 1.7    | 1.7    | 3.4    | 3.4    | 3.4    | 5.1    | 6.8    | 10.2   | 11.9   | 13.6   | 15.4   |
| 85°   | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 3.4    | 3.4    | 5.1    | 6.8    | 8.5    | 8.5    |
| 87.5° | 0.0    | 0.0    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 3.4    | 3.4    | 3.4    | 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    |





TEST NUMBER: P252592

CATALOG NUMBER: LD6B30D010 EU6B30509040 6LBDW1LI

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 | 1475.7 |
| 2.5°  | 1470.6 | 1474.0 | 1472.3 | 1475.7 | 1470.6 | 1468.9 | 1472.3 | 1467.2 |
| 5°    | 1451.8 | 1453.5 | 1451.8 | 1451.8 | 1448.4 | 1445.0 | 1448.4 | 1443.3 |
| 7.5°  | 1422.8 | 1422.8 | 1417.7 | 1417.7 | 1410.9 | 1407.5 | 1407.5 | 1405.8 |
| 10°   | 1398.9 | 1393.8 | 1388.7 | 1390.4 | 1380.2 | 1376.8 | 1375.1 | 1373.3 |
| 12.5° | 1387.0 | 1383.6 | 1375.1 | 1375.1 | 1364.8 | 1361.4 | 1359.7 | 1358.0 |
| 15°   | 1373.3 | 1366.5 | 1359.7 | 1358.0 | 1349.5 | 1346.0 | 1344.3 | 1340.9 |
| 17.5° | 1349.5 | 1344.3 | 1335.8 | 1335.8 | 1327.3 | 1325.6 | 1322.2 | 1320.5 |
| 20°   | 1323.9 | 1317.0 | 1310.2 | 1310.2 | 1300.0 | 1300.0 | 1294.9 | 1296.6 |
| 22.5° | 1288.0 | 1282.9 | 1276.1 | 1276.1 | 1267.6 | 1265.9 | 1260.7 | 1259.0 |
| 25°   | 1245.4 | 1238.6 | 1233.5 | 1231.7 | 1224.9 | 1221.5 | 1219.8 | 1216.4 |
| 27.5° | 1189.1 | 1184.0 | 1178.9 | 1175.4 | 1166.9 | 1165.2 | 1160.1 | 1161.8 |
| 30°   | 1119.1 | 1115.7 | 1114.0 | 1110.6 | 1100.4 | 1097.0 | 1097.0 | 1091.9 |
| 32.5° | 1042.4 | 1037.3 | 1033.8 | 1028.7 | 1020.2 | 1018.5 | 1013.4 | 1015.1 |
| 35°   | 948.5  | 941.7  | 936.6  | 938.3  | 928.1  | 926.4  | 923.0  | 924.7  |
| 37.5° | 851.3  | 844.5  | 837.7  | 835.9  | 827.4  | 827.4  | 822.3  | 822.3  |
| 40°   | 750.6  | 743.8  | 740.4  | 740.4  | 730.2  | 731.9  | 726.8  | 725.1  |
| 42.5° | 660.2  | 653.4  | 651.7  | 650.0  | 644.9  | 643.2  | 638.1  | 639.8  |
| 45°   | 574.9  | 573.2  | 573.2  | 569.8  | 564.7  | 563.0  | 564.7  | 564.7  |
| 47.5° | 499.9  | 501.6  | 499.9  | 499.9  | 496.5  | 499.9  | 496.5  | 498.2  |
| 50°   | 436.7  | 440.2  | 440.2  | 440.2  | 438.4  | 440.2  | 440.2  | 441.9  |
| 52.5° | 383.9  | 389.0  | 387.3  | 389.0  | 387.3  | 390.7  | 389.0  | 390.7  |
| 55°   | 337.8  | 341.2  | 342.9  | 344.6  | 344.6  | 344.6  | 344.6  | 344.6  |
| 57.5° | 295.1  | 300.3  | 302.0  | 303.7  | 303.7  | 307.1  | 303.7  | 303.7  |
| 60°   | 261.0  | 266.1  | 267.8  | 269.6  | 269.6  | 271.3  | 267.8  | 269.6  |
| 62.5° | 230.3  | 235.4  | 235.4  | 237.1  | 237.1  | 237.1  | 233.7  | 235.4  |
| 65°   | 199.6  | 201.3  | 203.0  | 203.0  | 201.3  | 201.3  | 199.6  | 201.3  |
| 67.5° | 165.5  | 167.2  | 165.5  | 165.5  | 163.8  | 163.8  | 160.4  | 162.1  |
| 70°   | 128.0  | 128.0  | 129.7  | 128.0  | 126.2  | 128.0  | 126.2  | 124.5  |
| 72.5° | 95.5   | 95.5   | 95.5   | 93.8   | 93.8   | 92.1   | 93.8   | 93.8   |
| 75°   | 64.8   | 64.8   | 66.5   | 66.5   | 66.5   | 66.5   | 64.8   | 64.8   |
| 77.5° | 42.7   | 42.7   | 42.7   | 42.7   | 44.4   | 42.7   | 42.7   | 42.7   |
| 80°   | 27.3   | 27.3   | 29.0   | 29.0   | 27.3   | 27.3   | 27.3   | 27.3   |
| 82.5° | 17.1   | 17.1   | 17.1   | 17.1   | 17.1   | 17.1   | 17.1   | 17.1   |
| 85°   | 10.2   | 10.2   | 10.2   | 10.2   | 8.5    | 8.5    | 8.5    | 8.5    |
| 87.5° | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 3.4    | 3.4    |
| 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)