

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: P212731

Luminaire Tested: **LD4B30D010 EU4B30508027 4LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212731  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29201)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD4B30D010 EU4B30508027 4LBSWLI1  
Description: PORTFOLIO 4 INCH SINGLE 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: 2533.6 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.3 / 1.21  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

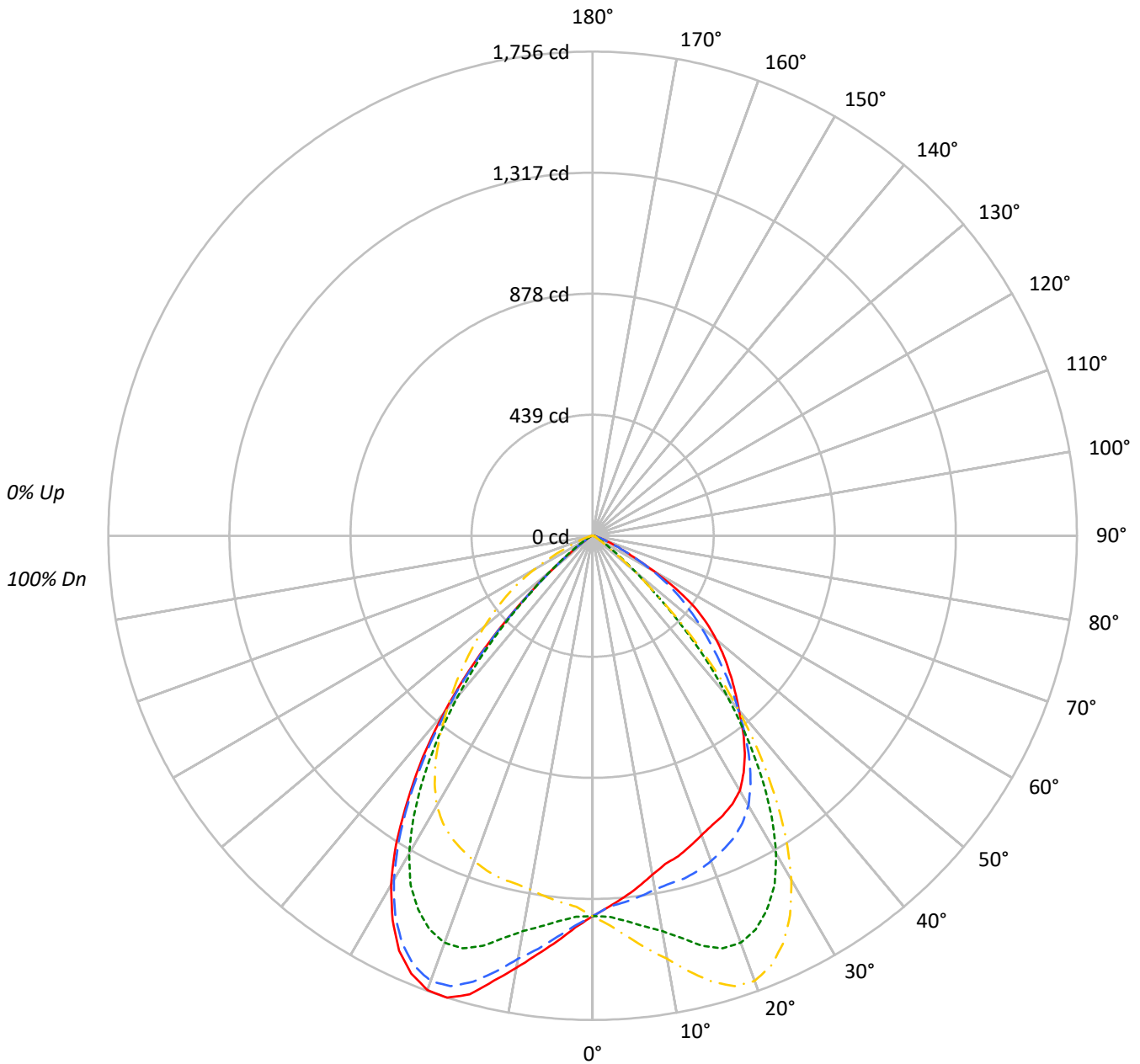
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212731

CATALOG NUMBER: LD4B30D010 EU4B30508027 4LBSWL11

### Luminous Intensity Polar Plot





TEST NUMBER: P212731

CATALOG NUMBER: LD4B30D010 EU4B30508027 4LBSWLI1

**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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 99  | 99  | 97  | 96  | 95  | 94  | 93  | 91  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 86  | 83  | 82  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 98  | 90  | 84  | 80  | 96  | 89  | 83  | 79  | 86  | 81  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 73  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 92  | 83  | 76  | 71  | 90  | 81  | 75  | 70  | 79  | 74  | 69  | 77  | 72  | 69  | 75  | 71  | 68  | 66  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 86  | 76  | 69  | 63  | 84  | 75  | 68  | 63  | 73  | 67  | 62  | 71  | 66  | 62  | 69  | 65  | 61  | 60  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 80  | 70  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 56  | 54  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 57  | 52  | 62  | 56  | 51  | 61  | 55  | 51  | 59  | 55  | 51  | 49  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 46  | 45  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 46  | 43  | 41  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 63  | 51  | 44  | 40  | 62  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 43  | 39  | 48  | 43  | 39  | 38  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°     | 90°    | 180°   | 270°   |
|-----|--------|--------|--------|--------|
| 0°  | 170131 | 170131 | 170131 | 170131 |
| 5°  | 162881 | 173715 | 182741 | 173715 |
| 10° | 156323 | 182337 | 199233 | 182337 |
| 15° | 153568 | 196615 | 219881 | 196615 |
| 20° | 151633 | 206160 | 230075 | 206160 |
| 25° | 152265 | 203587 | 225907 | 203587 |
| 30° | 152070 | 189443 | 208129 | 189443 |
| 35° | 144870 | 160771 | 175874 | 160771 |
| 40° | 132903 | 122340 | 134964 | 122340 |
| 45° | 122682 | 77869  | 83904  | 77869  |
| 50° | 112237 | 37764  | 36709  | 37764  |
| 55° | 97180  | 16451  | 11763  | 16451  |
| 60° | 62931  | 8091   | 5403   | 8091   |
| 65° | 32980  | 5312   | 4261   | 5312   |
| 70° | 17743  | 3931   | 3282   | 3931   |
| 75° | 9531   | 3479   | 2621   | 3479   |
| 80° | 6464   | 2557   | 1279   | 2557   |
| 85° | 5095   | 2547   | 0      | 2547   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 134.5  | 5.3       |
| 10°-20°   | 420.6  | 16.6      |
| 20°-30°   | 654.0  | 25.8      |
| 30°-40°   | 660.6  | 26.1      |
| 40°-50°   | 418.3  | 16.5      |
| 50°-60°   | 175.5  | 6.9       |
| 60°-70°   | 55.6   | 2.2       |
| 70°-80°   | 12.7   | 0.5       |
| 80°-90°   | 1.8    | 0.1       |
| 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°    | 1209.1 | 47.7      |
| 0°-40°    | 1869.7 | 73.8      |
| 0°-60°    | 2463.5 | 97.2      |
| 0°-90°    | 2533.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2533.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1379 | 1379 | 1379 | 1379 | 1379 |      |
| 5°  | 1316 | 1403 | 1476 | 1403 | 1316 | 124  |
| 15° | 1203 | 1540 | 1722 | 1540 | 1203 | 339  |
| 25° | 1119 | 1496 | 1660 | 1496 | 1119 | 515  |
| 35° | 962  | 1068 | 1168 | 1068 | 962  | 598  |
| 45° | 703  | 446  | 481  | 446  | 703  | 543  |
| 55° | 452  | 76   | 55   | 76   | 452  | 390  |
| 65° | 113  | 18   | 15   | 18   | 113  | 125  |
| 75° | 20   | 7    | 6    | 7    | 20   | 24   |
| 85° | 4    | 2    | 0    | 2    | 4    | 4    |
| 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°    | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 |
| 2.5°  | 1346.5 | 1333.8 | 1344.7 | 1348.3 | 1348.3 | 1346.5 | 1350.2 | 1346.5 | 1341.1 | 1362.9 | 1346.5 |
| 5°    | 1315.5 | 1306.4 | 1315.5 | 1319.2 | 1321.0 | 1322.8 | 1326.5 | 1326.5 | 1324.7 | 1344.7 | 1333.8 |
| 7.5°  | 1282.7 | 1277.3 | 1284.6 | 1290.0 | 1297.3 | 1295.5 | 1301.0 | 1302.8 | 1306.4 | 1330.1 | 1319.2 |
| 10°   | 1248.1 | 1242.7 | 1251.8 | 1255.4 | 1264.5 | 1266.3 | 1270.0 | 1275.5 | 1282.7 | 1306.4 | 1302.8 |
| 12.5° | 1219.0 | 1217.1 | 1222.6 | 1229.9 | 1239.0 | 1240.8 | 1244.5 | 1253.6 | 1264.5 | 1290.0 | 1291.9 |
| 15°   | 1202.6 | 1200.8 | 1206.2 | 1213.5 | 1220.8 | 1224.4 | 1228.1 | 1240.8 | 1251.8 | 1279.1 | 1286.4 |
| 17.5° | 1178.9 | 1178.9 | 1184.4 | 1191.6 | 1200.8 | 1204.4 | 1209.9 | 1222.6 | 1237.2 | 1264.5 | 1273.6 |
| 20°   | 1155.2 | 1157.0 | 1160.7 | 1168.0 | 1177.1 | 1180.7 | 1186.2 | 1198.9 | 1215.3 | 1242.7 | 1255.4 |
| 22.5° | 1135.2 | 1140.6 | 1142.4 | 1147.9 | 1157.0 | 1162.5 | 1164.3 | 1178.9 | 1193.5 | 1217.1 | 1233.5 |
| 25°   | 1118.8 | 1126.0 | 1126.0 | 1129.7 | 1140.6 | 1142.4 | 1144.3 | 1158.8 | 1171.6 | 1193.5 | 1209.9 |
| 27.5° | 1096.9 | 1104.2 | 1104.2 | 1109.6 | 1116.9 | 1120.6 | 1120.6 | 1133.3 | 1146.1 | 1162.5 | 1175.2 |
| 30°   | 1067.7 | 1073.2 | 1073.2 | 1075.0 | 1082.3 | 1086.0 | 1084.1 | 1096.9 | 1106.0 | 1116.9 | 1129.7 |
| 32.5° | 1018.5 | 1027.7 | 1024.0 | 1029.5 | 1033.1 | 1036.8 | 1033.1 | 1044.1 | 1051.3 | 1062.3 | 1065.9 |
| 35°   | 962.1  | 969.3  | 963.9  | 967.5  | 974.8  | 974.8  | 973.0  | 980.3  | 983.9  | 989.4  | 991.2  |
| 37.5° | 896.5  | 901.9  | 898.3  | 900.1  | 903.8  | 905.6  | 901.9  | 909.2  | 909.2  | 911.0  | 907.4  |
| 40°   | 825.4  | 834.5  | 829.0  | 829.0  | 832.7  | 834.5  | 829.0  | 832.7  | 836.3  | 827.2  | 819.9  |
| 42.5° | 763.5  | 772.6  | 767.1  | 767.1  | 767.1  | 768.9  | 761.6  | 763.5  | 763.5  | 750.7  | 739.8  |
| 45°   | 703.3  | 710.6  | 705.1  | 699.7  | 701.5  | 703.3  | 696.0  | 694.2  | 688.7  | 674.2  | 657.8  |
| 47.5° | 645.0  | 652.3  | 645.0  | 641.4  | 641.4  | 641.4  | 632.3  | 626.8  | 619.5  | 599.5  | 579.4  |
| 50°   | 584.9  | 592.2  | 586.7  | 583.1  | 579.4  | 579.4  | 572.1  | 564.8  | 553.9  | 533.9  | 512.0  |
| 52.5° | 522.9  | 528.4  | 522.9  | 519.3  | 515.6  | 515.6  | 506.5  | 501.1  | 488.3  | 468.3  | 444.6  |
| 55°   | 451.9  | 455.5  | 450.1  | 446.4  | 444.6  | 444.6  | 437.3  | 431.8  | 420.9  | 404.5  | 382.6  |
| 57.5° | 357.1  | 364.4  | 355.3  | 358.9  | 358.9  | 357.1  | 351.7  | 349.8  | 346.2  | 331.6  | 315.2  |
| 60°   | 255.1  | 255.1  | 253.3  | 260.6  | 258.7  | 262.4  | 258.7  | 260.6  | 262.4  | 251.4  | 240.5  |
| 62.5° | 167.6  | 173.1  | 169.5  | 173.1  | 176.7  | 176.7  | 174.9  | 178.6  | 182.2  | 176.7  | 171.3  |
| 65°   | 113.0  | 113.0  | 113.0  | 114.8  | 114.8  | 116.6  | 114.8  | 116.6  | 118.4  | 116.6  | 113.0  |
| 67.5° | 74.7   | 76.5   | 74.7   | 76.5   | 74.7   | 76.5   | 76.5   | 76.5   | 78.3   | 76.5   | 74.7   |
| 70°   | 49.2   | 49.2   | 49.2   | 49.2   | 49.2   | 49.2   | 49.2   | 49.2   | 51.0   | 49.2   | 47.4   |
| 72.5° | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   |
| 75°   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   |
| 77.5° | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   |
| 80°   | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 7.3    | 9.1    | 7.3    | 7.3    |
| 82.5° | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    |
| 85°   | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 1.8    | 3.6    | 1.8    | 1.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 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):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 |
| 2.5°  | 1355.6 | 1350.2 | 1377.5 | 1353.8 | 1366.6 | 1364.7 | 1366.6 | 1377.5 | 1377.5 | 1383.0 | 1381.1 |
| 5°    | 1348.3 | 1342.9 | 1373.8 | 1355.6 | 1370.2 | 1370.2 | 1375.7 | 1392.1 | 1392.1 | 1403.0 | 1404.8 |
| 7.5°  | 1337.4 | 1339.2 | 1372.0 | 1361.1 | 1377.5 | 1379.3 | 1388.4 | 1408.5 | 1413.9 | 1428.5 | 1435.8 |
| 10°   | 1324.7 | 1331.9 | 1366.6 | 1362.9 | 1384.8 | 1386.6 | 1404.8 | 1428.5 | 1435.8 | 1455.8 | 1468.6 |
| 12.5° | 1319.2 | 1331.9 | 1372.0 | 1375.7 | 1397.5 | 1406.6 | 1426.7 | 1457.7 | 1470.4 | 1494.1 | 1512.3 |
| 15°   | 1317.4 | 1335.6 | 1379.3 | 1392.1 | 1417.6 | 1430.3 | 1457.7 | 1494.1 | 1508.7 | 1539.7 | 1561.5 |
| 17.5° | 1308.3 | 1331.9 | 1379.3 | 1399.4 | 1426.7 | 1439.4 | 1474.1 | 1516.0 | 1534.2 | 1568.8 | 1594.3 |
| 20°   | 1291.9 | 1317.4 | 1364.7 | 1390.2 | 1419.4 | 1437.6 | 1472.2 | 1516.0 | 1534.2 | 1570.6 | 1599.8 |
| 22.5° | 1270.0 | 1295.5 | 1341.1 | 1370.2 | 1395.7 | 1415.8 | 1452.2 | 1494.1 | 1510.5 | 1545.1 | 1574.3 |
| 25°   | 1242.7 | 1268.2 | 1306.4 | 1335.6 | 1359.3 | 1377.5 | 1408.5 | 1452.2 | 1463.1 | 1495.9 | 1526.9 |
| 27.5° | 1204.4 | 1228.1 | 1257.2 | 1284.6 | 1306.4 | 1321.0 | 1348.3 | 1386.6 | 1395.7 | 1428.5 | 1454.0 |
| 30°   | 1153.4 | 1168.0 | 1193.5 | 1211.7 | 1228.1 | 1242.7 | 1262.7 | 1297.3 | 1301.0 | 1330.1 | 1353.8 |
| 32.5° | 1084.1 | 1091.4 | 1109.6 | 1118.8 | 1133.3 | 1138.8 | 1155.2 | 1184.4 | 1180.7 | 1208.0 | 1228.1 |
| 35°   | 1000.3 | 1004.0 | 1004.0 | 1014.9 | 1018.5 | 1020.4 | 1033.1 | 1049.5 | 1044.1 | 1067.7 | 1082.3 |
| 37.5° | 909.2  | 907.4  | 896.5  | 896.5  | 898.3  | 892.8  | 898.3  | 905.6  | 898.3  | 916.5  | 929.3  |
| 40°   | 816.3  | 805.4  | 785.3  | 774.4  | 768.9  | 767.1  | 756.2  | 765.3  | 747.1  | 759.8  | 768.9  |
| 42.5° | 727.0  | 708.8  | 677.8  | 655.9  | 646.8  | 637.7  | 619.5  | 619.5  | 595.8  | 604.9  | 606.8  |
| 45°   | 635.9  | 604.9  | 563.0  | 543.0  | 519.3  | 504.7  | 481.0  | 457.3  | 440.9  | 446.4  | 440.9  |
| 47.5° | 552.1  | 515.6  | 466.5  | 431.8  | 404.5  | 384.5  | 351.7  | 324.3  | 307.9  | 300.6  | 293.4  |
| 50°   | 479.2  | 442.8  | 386.3  | 342.6  | 315.2  | 291.5  | 258.7  | 227.8  | 207.7  | 196.8  | 191.3  |
| 52.5° | 413.6  | 375.3  | 320.7  | 275.1  | 246.0  | 224.1  | 187.7  | 156.7  | 134.8  | 122.1  | 114.8  |
| 55°   | 351.7  | 317.0  | 266.0  | 224.1  | 196.8  | 174.9  | 138.5  | 109.3  | 89.3   | 76.5   | 67.4   |
| 57.5° | 289.7  | 258.7  | 216.8  | 176.7  | 153.1  | 133.0  | 102.0  | 76.5   | 60.1   | 49.2   | 41.9   |
| 60°   | 222.3  | 198.6  | 164.0  | 133.0  | 113.0  | 96.6   | 72.9   | 52.8   | 41.9   | 32.8   | 29.2   |
| 62.5° | 156.7  | 142.1  | 116.6  | 94.7   | 82.0   | 69.2   | 51.0   | 38.3   | 29.2   | 23.7   | 21.9   |
| 65°   | 105.7  | 94.7   | 80.2   | 63.8   | 54.7   | 47.4   | 36.4   | 27.3   | 21.9   | 18.2   | 16.4   |
| 67.5° | 69.2   | 63.8   | 52.8   | 43.7   | 38.3   | 32.8   | 25.5   | 20.0   | 16.4   | 14.6   | 12.8   |
| 70°   | 45.6   | 41.9   | 34.6   | 29.2   | 27.3   | 23.7   | 18.2   | 14.6   | 12.8   | 10.9   | 10.9   |
| 72.5° | 29.2   | 25.5   | 23.7   | 20.0   | 18.2   | 16.4   | 12.8   | 10.9   | 9.1    | 9.1    | 9.1    |
| 75°   | 18.2   | 16.4   | 14.6   | 12.8   | 12.8   | 10.9   | 9.1    | 9.1    | 7.3    | 7.3    | 7.3    |
| 77.5° | 10.9   | 10.9   | 9.1    | 9.1    | 7.3    | 7.3    | 7.3    | 5.5    | 5.5    | 5.5    | 5.5    |
| 80°   | 7.3    | 7.3    | 5.5    | 5.5    | 5.5    | 5.5    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    |
| 82.5° | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 85°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 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: P212731

CATALOG NUMBER: LD4B30D010 EU4B30508027 4LBSWLI1

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 |
| 2.5°  | 1390.2 | 1393.9 | 1390.2 | 1401.2 | 1383.0 | 1403.0 | 1395.7 | 1399.4 | 1413.9 | 1408.5 | 1413.9 |
| 5°    | 1417.6 | 1424.9 | 1424.9 | 1437.6 | 1421.2 | 1444.9 | 1437.6 | 1444.9 | 1459.5 | 1459.5 | 1466.8 |
| 7.5°  | 1452.2 | 1461.3 | 1465.0 | 1477.7 | 1461.3 | 1490.5 | 1483.2 | 1492.3 | 1510.5 | 1510.5 | 1516.0 |
| 10°   | 1488.6 | 1499.6 | 1506.9 | 1521.4 | 1503.2 | 1536.0 | 1528.7 | 1541.5 | 1557.9 | 1559.7 | 1568.8 |
| 12.5° | 1534.2 | 1548.8 | 1557.9 | 1570.6 | 1557.9 | 1590.7 | 1583.4 | 1596.1 | 1618.0 | 1619.8 | 1630.8 |
| 15°   | 1585.2 | 1603.4 | 1614.4 | 1628.9 | 1614.4 | 1650.8 | 1643.5 | 1658.1 | 1674.5 | 1681.8 | 1692.7 |
| 17.5° | 1618.0 | 1639.9 | 1649.0 | 1665.4 | 1650.8 | 1687.2 | 1678.1 | 1698.2 | 1712.8 | 1716.4 | 1729.2 |
| 20°   | 1623.5 | 1643.5 | 1656.3 | 1669.0 | 1656.3 | 1692.7 | 1683.6 | 1700.0 | 1718.2 | 1721.9 | 1731.0 |
| 22.5° | 1599.8 | 1616.2 | 1630.8 | 1641.7 | 1630.8 | 1667.2 | 1654.4 | 1672.7 | 1689.1 | 1692.7 | 1700.0 |
| 25°   | 1545.1 | 1565.2 | 1579.7 | 1588.9 | 1577.9 | 1612.5 | 1601.6 | 1618.0 | 1632.6 | 1639.9 | 1641.7 |
| 27.5° | 1468.6 | 1486.8 | 1501.4 | 1506.9 | 1499.6 | 1532.4 | 1517.8 | 1537.8 | 1550.6 | 1554.2 | 1559.7 |
| 30°   | 1364.7 | 1381.1 | 1395.7 | 1399.4 | 1393.9 | 1417.6 | 1410.3 | 1428.5 | 1441.3 | 1444.9 | 1448.6 |
| 32.5° | 1237.2 | 1253.6 | 1262.7 | 1266.3 | 1260.9 | 1284.6 | 1277.3 | 1291.9 | 1306.4 | 1306.4 | 1306.4 |
| 35°   | 1093.2 | 1107.8 | 1113.3 | 1124.2 | 1111.5 | 1135.2 | 1127.9 | 1140.6 | 1153.4 | 1153.4 | 1155.2 |
| 37.5° | 938.4  | 949.3  | 952.9  | 963.9  | 951.1  | 973.0  | 967.5  | 978.5  | 989.4  | 987.6  | 991.2  |
| 40°   | 772.6  | 783.5  | 787.1  | 796.2  | 785.3  | 803.5  | 799.9  | 810.8  | 819.9  | 819.9  | 819.9  |
| 42.5° | 612.2  | 619.5  | 619.5  | 628.6  | 617.7  | 634.1  | 634.1  | 641.4  | 650.5  | 648.7  | 648.7  |
| 45°   | 444.6  | 442.8  | 446.4  | 444.6  | 444.6  | 459.2  | 459.2  | 462.8  | 470.1  | 466.5  | 468.3  |
| 47.5° | 295.2  | 297.0  | 289.7  | 295.2  | 287.9  | 300.6  | 300.6  | 300.6  | 306.1  | 302.5  | 306.1  |
| 50°   | 187.7  | 182.2  | 178.6  | 178.6  | 176.7  | 185.9  | 182.2  | 184.0  | 187.7  | 184.0  | 187.7  |
| 52.5° | 105.7  | 103.9  | 100.2  | 102.0  | 98.4   | 100.2  | 100.2  | 100.2  | 102.0  | 100.2  | 103.9  |
| 55°   | 62.0   | 56.5   | 54.7   | 54.7   | 52.8   | 54.7   | 52.8   | 52.8   | 52.8   | 51.0   | 52.8   |
| 57.5° | 36.4   | 34.6   | 32.8   | 32.8   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   |
| 60°   | 25.5   | 23.7   | 23.7   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   |
| 62.5° | 20.0   | 18.2   | 18.2   | 18.2   | 16.4   | 16.4   | 16.4   | 16.4   | 16.4   | 18.2   | 16.4   |
| 65°   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 12.8   | 14.6   | 14.6   | 14.6   | 14.6   |
| 67.5° | 12.8   | 12.8   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   |
| 70°   | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    |
| 72.5° | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    |
| 75°   | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    |
| 77.5° | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    |
| 80°   | 3.6    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 82.5° | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 85°   | 0.0    | 1.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 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):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 |
| 2.5°  | 1419.4 | 1412.1 | 1395.7 | 1406.6 | 1408.5 | 1401.2 | 1410.3 | 1421.2 | 1410.3 | 1401.2 | 1408.5 |
| 5°    | 1472.2 | 1466.8 | 1452.2 | 1461.3 | 1463.1 | 1461.3 | 1466.8 | 1475.9 | 1466.8 | 1461.3 | 1463.1 |
| 7.5°  | 1525.1 | 1521.4 | 1505.0 | 1516.0 | 1519.6 | 1516.0 | 1521.4 | 1530.5 | 1521.4 | 1516.0 | 1519.6 |
| 10°   | 1576.1 | 1574.3 | 1557.9 | 1572.5 | 1574.3 | 1570.6 | 1576.1 | 1590.7 | 1576.1 | 1570.6 | 1574.3 |
| 12.5° | 1634.4 | 1638.1 | 1619.8 | 1636.2 | 1638.1 | 1634.4 | 1641.7 | 1652.6 | 1641.7 | 1634.4 | 1638.1 |
| 15°   | 1701.8 | 1700.0 | 1685.4 | 1698.2 | 1701.8 | 1698.2 | 1707.3 | 1721.9 | 1707.3 | 1698.2 | 1701.8 |
| 17.5° | 1734.6 | 1734.6 | 1723.7 | 1736.4 | 1738.3 | 1738.3 | 1745.6 | 1756.5 | 1745.6 | 1738.3 | 1738.3 |
| 20°   | 1736.4 | 1738.3 | 1725.5 | 1740.1 | 1740.1 | 1740.1 | 1747.4 | 1752.8 | 1747.4 | 1740.1 | 1740.1 |
| 22.5° | 1707.3 | 1709.1 | 1696.4 | 1709.1 | 1709.1 | 1710.9 | 1714.6 | 1718.2 | 1714.6 | 1710.9 | 1709.1 |
| 25°   | 1650.8 | 1652.6 | 1641.7 | 1652.6 | 1650.8 | 1650.8 | 1654.4 | 1659.9 | 1654.4 | 1650.8 | 1650.8 |
| 27.5° | 1567.0 | 1568.8 | 1554.2 | 1567.0 | 1565.2 | 1563.3 | 1568.8 | 1570.6 | 1568.8 | 1563.3 | 1565.2 |
| 30°   | 1455.8 | 1457.7 | 1444.9 | 1455.8 | 1454.0 | 1452.2 | 1459.5 | 1461.3 | 1459.5 | 1452.2 | 1454.0 |
| 32.5° | 1322.8 | 1319.2 | 1310.1 | 1319.2 | 1317.4 | 1317.4 | 1321.0 | 1326.5 | 1321.0 | 1317.4 | 1317.4 |
| 35°   | 1162.5 | 1162.5 | 1157.0 | 1164.3 | 1158.8 | 1166.1 | 1166.1 | 1168.0 | 1166.1 | 1166.1 | 1158.8 |
| 37.5° | 998.5  | 998.5  | 994.9  | 998.5  | 996.7  | 1004.0 | 1004.0 | 1009.4 | 1004.0 | 1004.0 | 996.7  |
| 40°   | 827.2  | 827.2  | 823.6  | 827.2  | 832.7  | 832.7  | 830.9  | 838.2  | 830.9  | 832.7  | 832.7  |
| 42.5° | 654.1  | 654.1  | 652.3  | 661.4  | 661.4  | 661.4  | 655.9  | 663.2  | 655.9  | 661.4  | 661.4  |
| 45°   | 475.6  | 471.9  | 470.1  | 470.1  | 471.9  | 479.2  | 471.9  | 481.0  | 471.9  | 479.2  | 471.9  |
| 47.5° | 302.5  | 304.3  | 306.1  | 311.6  | 307.9  | 306.1  | 306.1  | 311.6  | 306.1  | 306.1  | 307.9  |
| 50°   | 185.9  | 187.7  | 187.7  | 191.3  | 185.9  | 189.5  | 187.7  | 191.3  | 187.7  | 189.5  | 185.9  |
| 52.5° | 102.0  | 102.0  | 102.0  | 105.7  | 102.0  | 103.9  | 102.0  | 105.7  | 102.0  | 103.9  | 102.0  |
| 55°   | 52.8   | 52.8   | 52.8   | 54.7   | 52.8   | 52.8   | 52.8   | 54.7   | 52.8   | 52.8   | 52.8   |
| 57.5° | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   |
| 60°   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   |
| 62.5° | 18.2   | 16.4   | 16.4   | 18.2   | 18.2   | 18.2   | 18.2   | 18.2   | 18.2   | 18.2   | 18.2   |
| 65°   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   |
| 67.5° | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   |
| 70°   | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    |
| 72.5° | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    |
| 75°   | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    |
| 77.5° | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    |
| 80°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 82.5° | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 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):**

|       | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 |
| 2.5°  | 1406.6 | 1395.7 | 1412.1 | 1419.4 | 1413.9 | 1408.5 | 1413.9 | 1399.4 | 1395.7 | 1403.0 | 1383.0 |
| 5°    | 1461.3 | 1452.2 | 1466.8 | 1472.2 | 1466.8 | 1459.5 | 1459.5 | 1444.9 | 1437.6 | 1444.9 | 1421.2 |
| 7.5°  | 1516.0 | 1505.0 | 1521.4 | 1525.1 | 1516.0 | 1510.5 | 1510.5 | 1492.3 | 1483.2 | 1490.5 | 1461.3 |
| 10°   | 1572.5 | 1557.9 | 1574.3 | 1576.1 | 1568.8 | 1559.7 | 1557.9 | 1541.5 | 1528.7 | 1536.0 | 1503.2 |
| 12.5° | 1636.2 | 1619.8 | 1638.1 | 1634.4 | 1630.8 | 1619.8 | 1618.0 | 1596.1 | 1583.4 | 1590.7 | 1557.9 |
| 15°   | 1698.2 | 1685.4 | 1700.0 | 1701.8 | 1692.7 | 1681.8 | 1674.5 | 1658.1 | 1643.5 | 1650.8 | 1614.4 |
| 17.5° | 1736.4 | 1723.7 | 1734.6 | 1734.6 | 1729.2 | 1716.4 | 1712.8 | 1698.2 | 1678.1 | 1687.2 | 1650.8 |
| 20°   | 1740.1 | 1725.5 | 1738.3 | 1736.4 | 1731.0 | 1721.9 | 1718.2 | 1700.0 | 1683.6 | 1692.7 | 1656.3 |
| 22.5° | 1709.1 | 1696.4 | 1709.1 | 1707.3 | 1700.0 | 1692.7 | 1689.1 | 1672.7 | 1654.4 | 1667.2 | 1630.8 |
| 25°   | 1652.6 | 1641.7 | 1652.6 | 1650.8 | 1641.7 | 1639.9 | 1632.6 | 1618.0 | 1601.6 | 1612.5 | 1577.9 |
| 27.5° | 1567.0 | 1554.2 | 1568.8 | 1567.0 | 1559.7 | 1554.2 | 1550.6 | 1537.8 | 1517.8 | 1532.4 | 1499.6 |
| 30°   | 1455.8 | 1444.9 | 1457.7 | 1455.8 | 1448.6 | 1444.9 | 1441.3 | 1428.5 | 1410.3 | 1417.6 | 1393.9 |
| 32.5° | 1319.2 | 1310.1 | 1319.2 | 1322.8 | 1306.4 | 1306.4 | 1306.4 | 1291.9 | 1277.3 | 1284.6 | 1260.9 |
| 35°   | 1164.3 | 1157.0 | 1162.5 | 1162.5 | 1155.2 | 1153.4 | 1153.4 | 1140.6 | 1127.9 | 1135.2 | 1111.5 |
| 37.5° | 998.5  | 994.9  | 998.5  | 998.5  | 991.2  | 987.6  | 989.4  | 978.5  | 967.5  | 973.0  | 951.1  |
| 40°   | 827.2  | 823.6  | 827.2  | 827.2  | 819.9  | 819.9  | 819.9  | 810.8  | 799.9  | 803.5  | 785.3  |
| 42.5° | 661.4  | 652.3  | 654.1  | 654.1  | 648.7  | 648.7  | 650.5  | 641.4  | 634.1  | 634.1  | 617.7  |
| 45°   | 470.1  | 470.1  | 471.9  | 475.6  | 468.3  | 466.5  | 470.1  | 462.8  | 459.2  | 459.2  | 444.6  |
| 47.5° | 311.6  | 306.1  | 304.3  | 302.5  | 306.1  | 302.5  | 306.1  | 300.6  | 300.6  | 300.6  | 287.9  |
| 50°   | 191.3  | 187.7  | 187.7  | 185.9  | 187.7  | 184.0  | 187.7  | 184.0  | 182.2  | 185.9  | 176.7  |
| 52.5° | 105.7  | 102.0  | 102.0  | 102.0  | 103.9  | 100.2  | 102.0  | 100.2  | 100.2  | 100.2  | 98.4   |
| 55°   | 54.7   | 52.8   | 52.8   | 52.8   | 52.8   | 51.0   | 52.8   | 52.8   | 52.8   | 54.7   | 52.8   |
| 57.5° | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   |
| 60°   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   | 21.9   |
| 62.5° | 18.2   | 16.4   | 16.4   | 18.2   | 16.4   | 18.2   | 16.4   | 16.4   | 16.4   | 16.4   | 16.4   |
| 65°   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 14.6   | 12.8   | 14.6   | 14.6   |
| 67.5° | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   |
| 70°   | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    |
| 72.5° | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    |
| 75°   | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    |
| 77.5° | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    |
| 80°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 82.5° | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 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):**

|       | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 |
| 2.5°  | 1401.2 | 1390.2 | 1393.9 | 1390.2 | 1381.1 | 1383.0 | 1377.5 | 1377.5 | 1366.6 | 1364.7 | 1366.6 |
| 5°    | 1437.6 | 1424.9 | 1424.9 | 1417.6 | 1404.8 | 1403.0 | 1392.1 | 1392.1 | 1375.7 | 1370.2 | 1370.2 |
| 7.5°  | 1477.7 | 1465.0 | 1461.3 | 1452.2 | 1435.8 | 1428.5 | 1413.9 | 1408.5 | 1388.4 | 1379.3 | 1377.5 |
| 10°   | 1521.4 | 1506.9 | 1499.6 | 1488.6 | 1468.6 | 1455.8 | 1435.8 | 1428.5 | 1404.8 | 1386.6 | 1384.8 |
| 12.5° | 1570.6 | 1557.9 | 1548.8 | 1534.2 | 1512.3 | 1494.1 | 1470.4 | 1457.7 | 1426.7 | 1406.6 | 1397.5 |
| 15°   | 1628.9 | 1614.4 | 1603.4 | 1585.2 | 1561.5 | 1539.7 | 1508.7 | 1494.1 | 1457.7 | 1430.3 | 1417.6 |
| 17.5° | 1665.4 | 1649.0 | 1639.9 | 1618.0 | 1594.3 | 1568.8 | 1534.2 | 1516.0 | 1474.1 | 1439.4 | 1426.7 |
| 20°   | 1669.0 | 1656.3 | 1643.5 | 1623.5 | 1599.8 | 1570.6 | 1534.2 | 1516.0 | 1472.2 | 1437.6 | 1419.4 |
| 22.5° | 1641.7 | 1630.8 | 1616.2 | 1599.8 | 1574.3 | 1545.1 | 1510.5 | 1494.1 | 1452.2 | 1415.8 | 1395.7 |
| 25°   | 1588.9 | 1579.7 | 1565.2 | 1545.1 | 1526.9 | 1495.9 | 1463.1 | 1452.2 | 1408.5 | 1377.5 | 1359.3 |
| 27.5° | 1506.9 | 1501.4 | 1486.8 | 1468.6 | 1454.0 | 1428.5 | 1395.7 | 1386.6 | 1348.3 | 1321.0 | 1306.4 |
| 30°   | 1399.4 | 1395.7 | 1381.1 | 1364.7 | 1353.8 | 1330.1 | 1301.0 | 1297.3 | 1262.7 | 1242.7 | 1228.1 |
| 32.5° | 1266.3 | 1262.7 | 1253.6 | 1237.2 | 1228.1 | 1208.0 | 1180.7 | 1184.4 | 1155.2 | 1138.8 | 1133.3 |
| 35°   | 1124.2 | 1113.3 | 1107.8 | 1093.2 | 1082.3 | 1067.7 | 1044.1 | 1049.5 | 1033.1 | 1020.4 | 1018.5 |
| 37.5° | 963.9  | 952.9  | 949.3  | 938.4  | 929.3  | 916.5  | 898.3  | 905.6  | 898.3  | 892.8  | 898.3  |
| 40°   | 796.2  | 787.1  | 783.5  | 772.6  | 768.9  | 759.8  | 747.1  | 765.3  | 756.2  | 767.1  | 768.9  |
| 42.5° | 628.6  | 619.5  | 619.5  | 612.2  | 606.8  | 604.9  | 595.8  | 619.5  | 619.5  | 637.7  | 646.8  |
| 45°   | 444.6  | 446.4  | 442.8  | 444.6  | 440.9  | 446.4  | 440.9  | 457.3  | 481.0  | 504.7  | 519.3  |
| 47.5° | 295.2  | 289.7  | 297.0  | 295.2  | 293.4  | 300.6  | 307.9  | 324.3  | 351.7  | 384.5  | 404.5  |
| 50°   | 178.6  | 178.6  | 182.2  | 187.7  | 191.3  | 196.8  | 207.7  | 227.8  | 258.7  | 291.5  | 315.2  |
| 52.5° | 102.0  | 100.2  | 103.9  | 105.7  | 114.8  | 122.1  | 134.8  | 156.7  | 187.7  | 224.1  | 246.0  |
| 55°   | 54.7   | 54.7   | 56.5   | 62.0   | 67.4   | 76.5   | 89.3   | 109.3  | 138.5  | 174.9  | 196.8  |
| 57.5° | 32.8   | 32.8   | 34.6   | 36.4   | 41.9   | 49.2   | 60.1   | 76.5   | 102.0  | 133.0  | 153.1  |
| 60°   | 21.9   | 23.7   | 23.7   | 25.5   | 29.2   | 32.8   | 41.9   | 52.8   | 72.9   | 96.6   | 113.0  |
| 62.5° | 18.2   | 18.2   | 18.2   | 20.0   | 21.9   | 23.7   | 29.2   | 38.3   | 51.0   | 69.2   | 82.0   |
| 65°   | 14.6   | 14.6   | 14.6   | 14.6   | 16.4   | 18.2   | 21.9   | 27.3   | 36.4   | 47.4   | 54.7   |
| 67.5° | 10.9   | 10.9   | 12.8   | 12.8   | 12.8   | 14.6   | 16.4   | 20.0   | 25.5   | 32.8   | 38.3   |
| 70°   | 9.1    | 9.1    | 9.1    | 9.1    | 10.9   | 10.9   | 12.8   | 14.6   | 18.2   | 23.7   | 27.3   |
| 72.5° | 7.3    | 7.3    | 7.3    | 7.3    | 9.1    | 9.1    | 9.1    | 10.9   | 12.8   | 16.4   | 18.2   |
| 75°   | 5.5    | 5.5    | 5.5    | 5.5    | 7.3    | 7.3    | 7.3    | 9.1    | 9.1    | 10.9   | 12.8   |
| 77.5° | 3.6    | 3.6    | 3.6    | 3.6    | 5.5    | 5.5    | 5.5    | 5.5    | 7.3    | 7.3    | 7.3    |
| 80°   | 1.8    | 1.8    | 1.8    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 5.5    | 5.5    |
| 82.5° | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 3.6    | 3.6    |
| 85°   | 0.0    | 0.0    | 1.8    | 0.0    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 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: P212731

CATALOG NUMBER: LD4B30D010 EU4B30508027 4LBSWLI1

**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 | 1379.3 |
| 2.5°  | 1353.8 | 1377.5 | 1350.2 | 1355.6 | 1346.5 | 1362.9 | 1341.1 | 1346.5 | 1350.2 | 1346.5 | 1348.3 |
| 5°    | 1355.6 | 1373.8 | 1342.9 | 1348.3 | 1333.8 | 1344.7 | 1324.7 | 1326.5 | 1326.5 | 1322.8 | 1321.0 |
| 7.5°  | 1361.1 | 1372.0 | 1339.2 | 1337.4 | 1319.2 | 1330.1 | 1306.4 | 1302.8 | 1301.0 | 1295.5 | 1297.3 |
| 10°   | 1362.9 | 1366.6 | 1331.9 | 1324.7 | 1302.8 | 1306.4 | 1282.7 | 1275.5 | 1270.0 | 1266.3 | 1264.5 |
| 12.5° | 1375.7 | 1372.0 | 1331.9 | 1319.2 | 1291.9 | 1290.0 | 1264.5 | 1253.6 | 1244.5 | 1240.8 | 1239.0 |
| 15°   | 1392.1 | 1379.3 | 1335.6 | 1317.4 | 1286.4 | 1279.1 | 1251.8 | 1240.8 | 1228.1 | 1224.4 | 1220.8 |
| 17.5° | 1399.4 | 1379.3 | 1331.9 | 1308.3 | 1273.6 | 1264.5 | 1237.2 | 1222.6 | 1209.9 | 1204.4 | 1200.8 |
| 20°   | 1390.2 | 1364.7 | 1317.4 | 1291.9 | 1255.4 | 1242.7 | 1215.3 | 1198.9 | 1186.2 | 1180.7 | 1177.1 |
| 22.5° | 1370.2 | 1341.1 | 1295.5 | 1270.0 | 1233.5 | 1217.1 | 1193.5 | 1178.9 | 1164.3 | 1162.5 | 1157.0 |
| 25°   | 1335.6 | 1306.4 | 1268.2 | 1242.7 | 1209.9 | 1193.5 | 1171.6 | 1158.8 | 1144.3 | 1142.4 | 1140.6 |
| 27.5° | 1284.6 | 1257.2 | 1228.1 | 1204.4 | 1175.2 | 1162.5 | 1146.1 | 1133.3 | 1120.6 | 1120.6 | 1116.9 |
| 30°   | 1211.7 | 1193.5 | 1168.0 | 1153.4 | 1129.7 | 1116.9 | 1106.0 | 1096.9 | 1084.1 | 1086.0 | 1082.3 |
| 32.5° | 1118.8 | 1109.6 | 1091.4 | 1084.1 | 1065.9 | 1062.3 | 1051.3 | 1044.1 | 1033.1 | 1036.8 | 1033.1 |
| 35°   | 1014.9 | 1004.0 | 1004.0 | 1000.3 | 991.2  | 989.4  | 983.9  | 980.3  | 973.0  | 974.8  | 974.8  |
| 37.5° | 896.5  | 896.5  | 907.4  | 909.2  | 907.4  | 911.0  | 909.2  | 909.2  | 901.9  | 905.6  | 903.8  |
| 40°   | 774.4  | 785.3  | 805.4  | 816.3  | 819.9  | 827.2  | 836.3  | 832.7  | 829.0  | 834.5  | 832.7  |
| 42.5° | 655.9  | 677.8  | 708.8  | 727.0  | 739.8  | 750.7  | 763.5  | 763.5  | 761.6  | 768.9  | 767.1  |
| 45°   | 543.0  | 563.0  | 604.9  | 635.9  | 657.8  | 674.2  | 688.7  | 694.2  | 696.0  | 703.3  | 701.5  |
| 47.5° | 431.8  | 466.5  | 515.6  | 552.1  | 579.4  | 599.5  | 619.5  | 626.8  | 632.3  | 641.4  | 641.4  |
| 50°   | 342.6  | 386.3  | 442.8  | 479.2  | 512.0  | 533.9  | 553.9  | 564.8  | 572.1  | 579.4  | 579.4  |
| 52.5° | 275.1  | 320.7  | 375.3  | 413.6  | 444.6  | 468.3  | 488.3  | 501.1  | 506.5  | 515.6  | 515.6  |
| 55°   | 224.1  | 266.0  | 317.0  | 351.7  | 382.6  | 404.5  | 420.9  | 431.8  | 437.3  | 444.6  | 444.6  |
| 57.5° | 176.7  | 216.8  | 258.7  | 289.7  | 315.2  | 331.6  | 346.2  | 349.8  | 351.7  | 357.1  | 358.9  |
| 60°   | 133.0  | 164.0  | 198.6  | 222.3  | 240.5  | 251.4  | 262.4  | 260.6  | 258.7  | 262.4  | 258.7  |
| 62.5° | 94.7   | 116.6  | 142.1  | 156.7  | 171.3  | 176.7  | 182.2  | 178.6  | 174.9  | 176.7  | 176.7  |
| 65°   | 63.8   | 80.2   | 94.7   | 105.7  | 113.0  | 116.6  | 118.4  | 116.6  | 114.8  | 116.6  | 114.8  |
| 67.5° | 43.7   | 52.8   | 63.8   | 69.2   | 74.7   | 76.5   | 78.3   | 76.5   | 76.5   | 76.5   | 74.7   |
| 70°   | 29.2   | 34.6   | 41.9   | 45.6   | 47.4   | 49.2   | 51.0   | 49.2   | 49.2   | 49.2   | 49.2   |
| 72.5° | 20.0   | 23.7   | 25.5   | 29.2   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   |
| 75°   | 12.8   | 14.6   | 16.4   | 18.2   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   |
| 77.5° | 9.1    | 9.1    | 10.9   | 10.9   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   |
| 80°   | 5.5    | 5.5    | 7.3    | 7.3    | 7.3    | 7.3    | 9.1    | 7.3    | 9.1    | 9.1    | 9.1    |
| 82.5° | 3.6    | 3.6    | 3.6    | 3.6    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    |
| 85°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 3.6    | 1.8    | 3.6    | 3.6    | 3.6    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 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: P212731

CATALOG NUMBER: LD4B30D010 EU4B30508027 4LBSWLI1

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1379.3 | 1379.3 | 1379.3 | 1379.3 |
| 2.5°  | 1348.3 | 1344.7 | 1333.8 | 1346.5 |
| 5°    | 1319.2 | 1315.5 | 1306.4 | 1315.5 |
| 7.5°  | 1290.0 | 1284.6 | 1277.3 | 1282.7 |
| 10°   | 1255.4 | 1251.8 | 1242.7 | 1248.1 |
| 12.5° | 1229.9 | 1222.6 | 1217.1 | 1219.0 |
| 15°   | 1213.5 | 1206.2 | 1200.8 | 1202.6 |
| 17.5° | 1191.6 | 1184.4 | 1178.9 | 1178.9 |
| 20°   | 1168.0 | 1160.7 | 1157.0 | 1155.2 |
| 22.5° | 1147.9 | 1142.4 | 1140.6 | 1135.2 |
| 25°   | 1129.7 | 1126.0 | 1126.0 | 1118.8 |
| 27.5° | 1109.6 | 1104.2 | 1104.2 | 1096.9 |
| 30°   | 1075.0 | 1073.2 | 1073.2 | 1067.7 |
| 32.5° | 1029.5 | 1024.0 | 1027.7 | 1018.5 |
| 35°   | 967.5  | 963.9  | 969.3  | 962.1  |
| 37.5° | 900.1  | 898.3  | 901.9  | 896.5  |
| 40°   | 829.0  | 829.0  | 834.5  | 825.4  |
| 42.5° | 767.1  | 767.1  | 772.6  | 763.5  |
| 45°   | 699.7  | 705.1  | 710.6  | 703.3  |
| 47.5° | 641.4  | 645.0  | 652.3  | 645.0  |
| 50°   | 583.1  | 586.7  | 592.2  | 584.9  |
| 52.5° | 519.3  | 522.9  | 528.4  | 522.9  |
| 55°   | 446.4  | 450.1  | 455.5  | 451.9  |
| 57.5° | 358.9  | 355.3  | 364.4  | 357.1  |
| 60°   | 260.6  | 253.3  | 255.1  | 255.1  |
| 62.5° | 173.1  | 169.5  | 173.1  | 167.6  |
| 65°   | 114.8  | 113.0  | 113.0  | 113.0  |
| 67.5° | 76.5   | 74.7   | 76.5   | 74.7   |
| 70°   | 49.2   | 49.2   | 49.2   | 49.2   |
| 72.5° | 31.0   | 31.0   | 31.0   | 31.0   |
| 75°   | 20.0   | 20.0   | 20.0   | 20.0   |
| 77.5° | 12.8   | 12.8   | 12.8   | 12.8   |
| 80°   | 9.1    | 9.1    | 9.1    | 9.1    |
| 82.5° | 5.5    | 5.5    | 5.5    | 5.5    |
| 85°   | 3.6    | 3.6    | 3.6    | 3.6    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |



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— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°

























(END OF REPORT)