

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: P252497

Luminaire Tested: **LD6B40D010 EU6B30509024 6LBLWW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252497  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-6)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B40D010 EU6B30509024 6LBLWW1H  
Description: PORTFOLIO 6 INCH LENS WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2563.0 lumens  
Efficiency: N/A  
Efficacy: 59.6 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.02 / 1.12  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

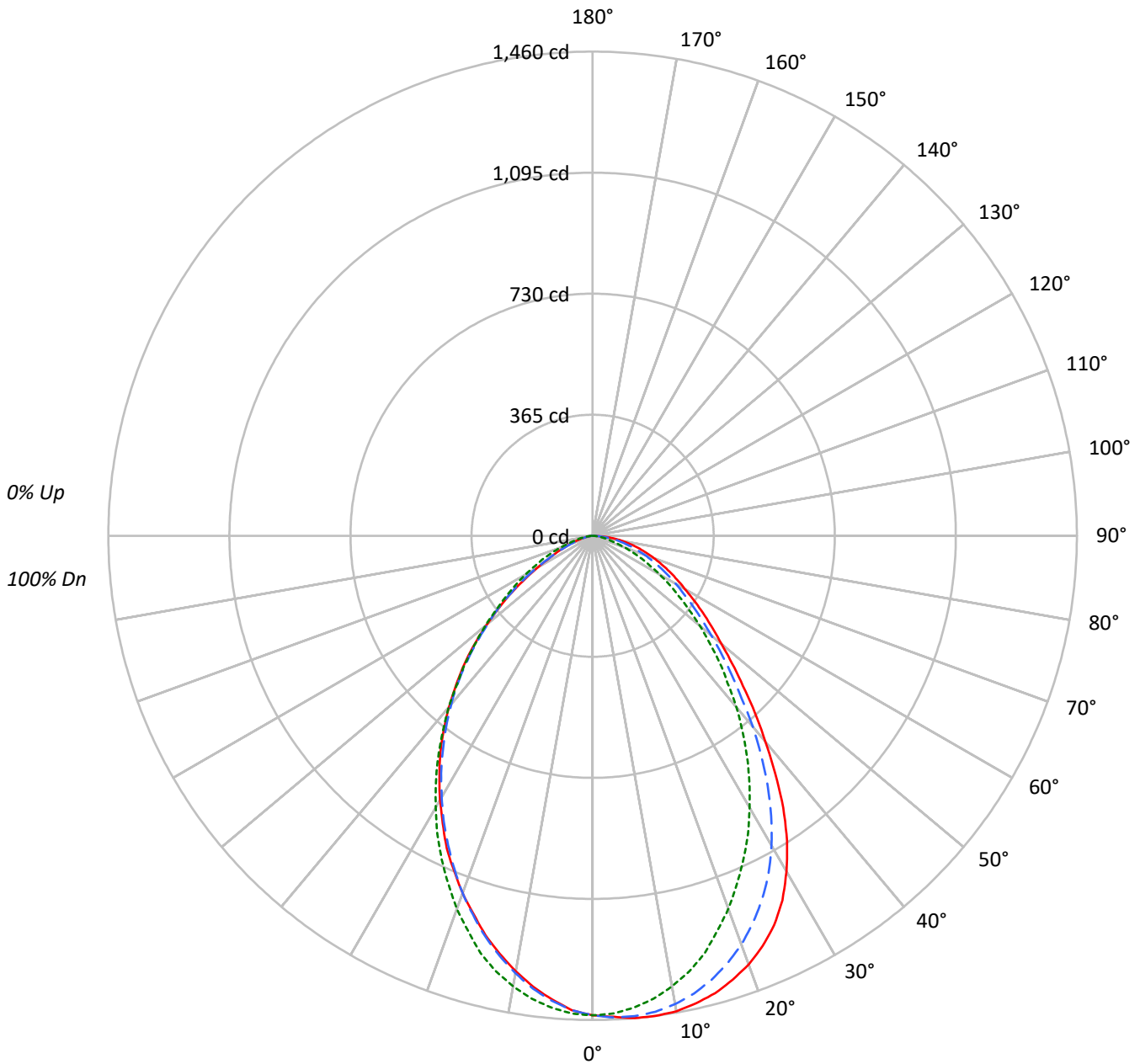
Input Watts (W): 43.02  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 96  | 97  | 95  | 93  | 93  | 91  | 90  | 88  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 80  | 84  | 81  | 79  | 77  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 95  | 86  | 79  | 73  | 93  | 84  | 78  | 73  | 81  | 76  | 71  | 79  | 74  | 70  | 76  | 72  | 69  | 67  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 88  | 78  | 70  | 64  | 86  | 76  | 69  | 64  | 74  | 68  | 63  | 72  | 66  | 62  | 70  | 65  | 61  | 59  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 82  | 70  | 62  | 57  | 80  | 69  | 62  | 56  | 67  | 61  | 56  | 65  | 60  | 55  | 64  | 59  | 55  | 53  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 50  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 47  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 71  | 59  | 51  | 46  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 67  | 54  | 47  | 41  | 65  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 63  | 50  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 35  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 59  | 47  | 39  | 35  | 58  | 46  | 39  | 35  | 45  | 39  | 34  | 44  | 38  | 34  | 44  | 38  | 34  | 33  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 94331 | 94331 | 94331 |
| 5°  | 95615 | 93506 | 91928 |
| 10° | 96456 | 91394 | 88340 |
| 15° | 96437 | 88028 | 84232 |
| 20° | 95505 | 83098 | 79613 |
| 25° | 93242 | 77485 | 74886 |
| 30° | 88050 | 71258 | 69292 |
| 35° | 79811 | 64615 | 63819 |
| 40° | 68925 | 57470 | 57299 |
| 45° | 59104 | 50026 | 50395 |
| 50° | 51367 | 42801 | 42192 |
| 55° | 46146 | 36091 | 33805 |
| 60° | 41924 | 30402 | 24896 |
| 65° | 39365 | 25116 | 18293 |
| 70° | 37540 | 19533 | 13410 |
| 75° | 35945 | 14166 | 9100  |
| 80° | 33964 | 9806  | 6049  |
| 85° | 30092 | 5988  | 2994  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 135.2  | 5.3       |
| 10°-20°   | 370.4  | 14.5      |
| 20°-30°   | 514.3  | 20.1      |
| 30°-40°   | 532.7  | 20.8      |
| 40°-50°   | 437.7  | 17.1      |
| 50°-60°   | 300.8  | 11.7      |
| 60°-70°   | 172.9  | 6.7       |
| 70°-80°   | 79.5   | 3.1       |
| 80°-90°   | 19.4   | 0.8       |
| 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°    | 1019.9 | 39.8      |
| 0°-40°    | 1552.6 | 60.6      |
| 0°-60°    | 2291.2 | 89.4      |
| 0°-90°    | 2563.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2563.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1446 | 1446 | 1446 | 1446 | 1446 |      |
| 5°  | 1460 | 1454 | 1428 | 1408 | 1404 | 139  |
| 15° | 1428 | 1386 | 1303 | 1251 | 1247 | 402  |
| 25° | 1295 | 1209 | 1076 | 1030 | 1040 | 593  |
| 35° | 1002 | 920  | 811  | 787  | 801  | 621  |
| 45° | 641  | 592  | 542  | 536  | 546  | 499  |
| 55° | 406  | 368  | 317  | 299  | 297  | 365  |
| 65° | 255  | 223  | 163  | 114  | 118  | 254  |
| 75° | 143  | 112  | 56   | 36   | 36   | 151  |
| 85° | 40   | 28   | 8    | 4    | 4    | 45   |
| 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°    | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 |
| 2.5°  | 1451.9 | 1464.0 | 1456.0 | 1453.9 | 1458.0 | 1458.0 | 1458.0 | 1451.9 | 1456.0 | 1449.9 | 1453.9 |
| 5°    | 1460.0 | 1470.0 | 1462.0 | 1458.0 | 1462.0 | 1464.0 | 1458.0 | 1453.9 | 1460.0 | 1451.9 | 1453.9 |
| 7.5°  | 1460.0 | 1470.0 | 1462.0 | 1460.0 | 1462.0 | 1462.0 | 1460.0 | 1451.9 | 1456.0 | 1447.9 | 1447.9 |
| 10°   | 1456.0 | 1464.0 | 1456.0 | 1451.9 | 1453.9 | 1451.9 | 1451.9 | 1441.9 | 1443.9 | 1433.9 | 1433.9 |
| 12.5° | 1443.9 | 1453.9 | 1443.9 | 1439.9 | 1439.9 | 1439.9 | 1433.9 | 1425.8 | 1427.8 | 1415.8 | 1413.8 |
| 15°   | 1427.8 | 1435.9 | 1425.8 | 1421.8 | 1421.8 | 1419.8 | 1415.8 | 1403.7 | 1403.7 | 1391.7 | 1385.7 |
| 17.5° | 1403.7 | 1411.8 | 1403.7 | 1397.7 | 1395.7 | 1391.7 | 1387.7 | 1375.6 | 1371.6 | 1357.6 | 1351.5 |
| 20°   | 1375.6 | 1381.6 | 1373.6 | 1367.6 | 1363.6 | 1359.6 | 1351.5 | 1339.5 | 1335.5 | 1321.4 | 1311.4 |
| 22.5° | 1339.5 | 1347.5 | 1335.5 | 1329.4 | 1325.4 | 1319.4 | 1311.4 | 1299.3 | 1293.3 | 1275.2 | 1263.2 |
| 25°   | 1295.3 | 1299.3 | 1289.3 | 1283.2 | 1275.2 | 1271.2 | 1265.2 | 1249.1 | 1243.1 | 1223.0 | 1208.9 |
| 27.5° | 1239.1 | 1243.1 | 1231.0 | 1227.0 | 1217.0 | 1213.0 | 1204.9 | 1190.9 | 1182.8 | 1162.8 | 1148.7 |
| 30°   | 1168.8 | 1172.8 | 1164.8 | 1158.7 | 1150.7 | 1142.7 | 1136.6 | 1122.6 | 1110.5 | 1090.5 | 1078.4 |
| 32.5° | 1090.5 | 1096.5 | 1088.5 | 1080.4 | 1066.4 | 1068.4 | 1058.3 | 1044.3 | 1034.2 | 1016.2 | 1002.1 |
| 35°   | 1002.1 | 1006.1 | 996.1  | 994.1  | 986.0  | 978.0  | 968.0  | 957.9  | 951.9  | 931.8  | 919.8  |
| 37.5° | 903.7  | 913.7  | 903.7  | 895.7  | 891.6  | 885.6  | 879.6  | 865.5  | 861.5  | 849.5  | 833.4  |
| 40°   | 809.3  | 815.3  | 809.3  | 801.3  | 795.3  | 795.3  | 787.2  | 779.2  | 769.1  | 757.1  | 751.1  |
| 42.5° | 725.0  | 720.9  | 718.9  | 714.9  | 706.9  | 704.9  | 702.9  | 692.8  | 686.8  | 674.8  | 664.7  |
| 45°   | 640.6  | 642.6  | 638.6  | 636.6  | 630.6  | 626.6  | 622.5  | 614.5  | 612.5  | 600.5  | 592.4  |
| 47.5° | 570.3  | 568.3  | 564.3  | 564.3  | 560.3  | 556.3  | 552.3  | 546.2  | 544.2  | 534.2  | 526.2  |
| 50°   | 506.1  | 508.1  | 506.1  | 504.1  | 498.0  | 496.0  | 492.0  | 488.0  | 484.0  | 473.9  | 465.9  |
| 52.5° | 453.9  | 451.8  | 449.8  | 449.8  | 443.8  | 441.8  | 437.8  | 433.8  | 429.8  | 419.7  | 413.7  |
| 55°   | 405.7  | 405.7  | 403.7  | 401.6  | 395.6  | 393.6  | 391.6  | 387.6  | 381.6  | 373.5  | 367.5  |
| 57.5° | 361.5  | 361.5  | 359.5  | 357.5  | 353.4  | 353.4  | 349.4  | 345.4  | 341.4  | 333.4  | 325.3  |
| 60°   | 321.3  | 323.3  | 321.3  | 319.3  | 315.3  | 315.3  | 313.3  | 307.3  | 305.2  | 295.2  | 289.2  |
| 62.5° | 287.2  | 287.2  | 287.2  | 285.2  | 283.2  | 279.1  | 279.1  | 273.1  | 269.1  | 263.1  | 255.0  |
| 65°   | 255.0  | 255.0  | 255.0  | 253.0  | 249.0  | 247.0  | 245.0  | 241.0  | 237.0  | 230.9  | 222.9  |
| 67.5° | 224.9  | 224.9  | 224.9  | 222.9  | 218.9  | 216.9  | 214.9  | 212.9  | 206.8  | 200.8  | 192.8  |
| 70°   | 196.8  | 196.8  | 194.8  | 192.8  | 190.8  | 188.8  | 186.8  | 182.7  | 178.7  | 170.7  | 164.7  |
| 72.5° | 168.7  | 168.7  | 168.7  | 164.7  | 162.7  | 162.7  | 158.6  | 156.6  | 152.6  | 144.6  | 138.6  |
| 75°   | 142.6  | 140.6  | 140.6  | 138.6  | 136.6  | 134.6  | 132.5  | 130.5  | 124.5  | 120.5  | 112.5  |
| 77.5° | 116.5  | 116.5  | 114.5  | 112.5  | 112.5  | 110.5  | 108.4  | 104.4  | 102.4  | 96.4   | 90.4   |
| 80°   | 90.4   | 90.4   | 90.4   | 90.4   | 88.4   | 86.4   | 86.4   | 82.3   | 80.3   | 74.3   | 70.3   |
| 82.5° | 68.3   | 66.3   | 66.3   | 66.3   | 64.3   | 62.3   | 62.3   | 60.2   | 58.2   | 54.2   | 50.2   |
| 85°   | 40.2   | 38.2   | 38.2   | 38.2   | 36.1   | 36.1   | 34.1   | 34.1   | 32.1   | 28.1   | 28.1   |
| 87.5° | 12.0   | 12.0   | 14.1   | 14.1   | 12.0   | 12.0   | 12.0   | 12.0   | 12.0   | 10.0   | 10.0   |
| 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°    | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 |
| 2.5°  | 1449.9 | 1456.0 | 1447.9 | 1445.9 | 1453.9 | 1449.9 | 1447.9 | 1443.9 | 1445.9 | 1441.9 | 1435.9 |
| 5°    | 1447.9 | 1456.0 | 1445.9 | 1439.9 | 1449.9 | 1443.9 | 1439.9 | 1435.9 | 1435.9 | 1427.8 | 1423.8 |
| 7.5°  | 1441.9 | 1445.9 | 1435.9 | 1429.8 | 1435.9 | 1429.8 | 1425.8 | 1419.8 | 1417.8 | 1407.8 | 1401.7 |
| 10°   | 1425.8 | 1429.8 | 1417.8 | 1409.8 | 1415.8 | 1407.8 | 1401.7 | 1395.7 | 1391.7 | 1379.6 | 1371.6 |
| 12.5° | 1403.7 | 1405.7 | 1391.7 | 1381.6 | 1385.7 | 1379.6 | 1369.6 | 1361.6 | 1357.6 | 1345.5 | 1335.5 |
| 15°   | 1373.6 | 1375.6 | 1359.6 | 1345.5 | 1349.5 | 1341.5 | 1329.4 | 1321.4 | 1315.4 | 1303.3 | 1289.3 |
| 17.5° | 1337.5 | 1335.5 | 1317.4 | 1303.3 | 1305.3 | 1295.3 | 1283.2 | 1271.2 | 1263.2 | 1249.1 | 1239.1 |
| 20°   | 1297.3 | 1291.3 | 1271.2 | 1255.1 | 1257.1 | 1245.1 | 1231.0 | 1219.0 | 1208.9 | 1196.9 | 1182.8 |
| 22.5° | 1247.1 | 1239.1 | 1221.0 | 1200.9 | 1202.9 | 1192.9 | 1172.8 | 1162.8 | 1152.7 | 1136.6 | 1124.6 |
| 25°   | 1192.9 | 1180.8 | 1162.8 | 1142.7 | 1142.7 | 1130.6 | 1114.6 | 1102.5 | 1092.5 | 1076.4 | 1062.3 |
| 27.5° | 1128.6 | 1122.6 | 1098.5 | 1082.4 | 1080.4 | 1068.4 | 1054.3 | 1040.3 | 1028.2 | 1014.1 | 1000.1 |
| 30°   | 1058.3 | 1048.3 | 1030.2 | 1012.1 | 1008.1 | 998.1  | 984.0  | 968.0  | 959.9  | 945.9  | 933.8  |
| 32.5° | 984.0  | 974.0  | 953.9  | 935.8  | 933.8  | 925.8  | 913.7  | 897.7  | 889.6  | 879.6  | 871.6  |
| 35°   | 899.7  | 895.7  | 875.6  | 861.5  | 861.5  | 853.5  | 841.4  | 827.4  | 821.4  | 811.3  | 801.3  |
| 37.5° | 819.3  | 813.3  | 795.3  | 783.2  | 783.2  | 773.2  | 761.1  | 755.1  | 749.1  | 741.0  | 735.0  |
| 40°   | 735.0  | 731.0  | 716.9  | 704.9  | 706.9  | 698.9  | 690.8  | 682.8  | 678.8  | 674.8  | 668.7  |
| 42.5° | 656.7  | 652.7  | 642.6  | 632.6  | 632.6  | 626.6  | 618.5  | 612.5  | 608.5  | 602.5  | 600.5  |
| 45°   | 586.4  | 580.4  | 572.3  | 562.3  | 562.3  | 556.3  | 552.3  | 548.2  | 546.2  | 542.2  | 536.2  |
| 47.5° | 518.1  | 514.1  | 506.1  | 496.0  | 496.0  | 496.0  | 488.0  | 482.0  | 482.0  | 478.0  | 475.9  |
| 50°   | 459.9  | 453.9  | 447.8  | 439.8  | 439.8  | 435.8  | 429.8  | 423.7  | 423.7  | 421.7  | 417.7  |
| 52.5° | 405.7  | 401.6  | 393.6  | 385.6  | 385.6  | 381.6  | 375.5  | 373.5  | 371.5  | 365.5  | 363.5  |
| 55°   | 359.5  | 355.5  | 349.4  | 339.4  | 337.4  | 335.4  | 329.3  | 325.3  | 323.3  | 317.3  | 317.3  |
| 57.5° | 317.3  | 313.3  | 303.2  | 297.2  | 295.2  | 291.2  | 285.2  | 281.1  | 279.1  | 275.1  | 271.1  |
| 60°   | 281.1  | 275.1  | 267.1  | 259.1  | 257.1  | 253.0  | 247.0  | 243.0  | 241.0  | 233.0  | 228.9  |
| 62.5° | 247.0  | 241.0  | 233.0  | 224.9  | 222.9  | 218.9  | 210.9  | 206.8  | 202.8  | 194.8  | 190.8  |
| 65°   | 214.9  | 208.9  | 200.8  | 192.8  | 188.8  | 186.8  | 178.7  | 172.7  | 168.7  | 162.7  | 154.6  |
| 67.5° | 184.8  | 178.7  | 170.7  | 160.7  | 160.7  | 154.6  | 148.6  | 142.6  | 136.6  | 130.5  | 124.5  |
| 70°   | 156.6  | 150.6  | 142.6  | 134.6  | 132.5  | 128.5  | 122.5  | 114.5  | 110.5  | 102.4  | 96.4   |
| 72.5° | 130.5  | 124.5  | 116.5  | 108.4  | 106.4  | 102.4  | 96.4   | 88.4   | 82.3   | 76.3   | 70.3   |
| 75°   | 106.4  | 100.4  | 92.4   | 86.4   | 84.3   | 80.3   | 74.3   | 66.3   | 60.2   | 56.2   | 50.2   |
| 77.5° | 84.3   | 78.3   | 72.3   | 66.3   | 64.3   | 60.2   | 54.2   | 50.2   | 44.2   | 40.2   | 34.1   |
| 80°   | 64.3   | 60.2   | 54.2   | 50.2   | 48.2   | 44.2   | 40.2   | 34.1   | 30.1   | 26.1   | 24.1   |
| 82.5° | 46.2   | 42.2   | 38.2   | 32.1   | 32.1   | 28.1   | 26.1   | 22.1   | 18.1   | 16.1   | 14.1   |
| 85°   | 26.1   | 22.1   | 20.1   | 18.1   | 16.1   | 16.1   | 14.1   | 12.0   | 10.0   | 8.0    | 8.0    |
| 87.5° | 8.0    | 8.0    | 6.0    | 6.0    | 6.0    | 6.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    |
| 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: P252497

CATALOG NUMBER: LD6B40D010 EU6B30509024 6LBLWW1H

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 |
| 2.5°  | 1435.9 | 1437.9 | 1433.9 | 1437.9 | 1433.9 | 1435.9 | 1431.9 | 1435.9 | 1431.9 | 1435.9 | 1427.8 |
| 5°    | 1421.8 | 1421.8 | 1415.8 | 1419.8 | 1415.8 | 1417.8 | 1409.8 | 1411.8 | 1407.8 | 1411.8 | 1403.7 |
| 7.5°  | 1397.7 | 1399.7 | 1389.7 | 1393.7 | 1387.7 | 1387.7 | 1381.6 | 1383.7 | 1377.6 | 1379.6 | 1373.6 |
| 10°   | 1369.6 | 1367.6 | 1357.6 | 1361.6 | 1353.5 | 1353.5 | 1347.5 | 1347.5 | 1339.5 | 1341.5 | 1333.5 |
| 12.5° | 1329.4 | 1327.4 | 1315.4 | 1319.4 | 1311.4 | 1311.4 | 1305.3 | 1305.3 | 1297.3 | 1301.3 | 1293.3 |
| 15°   | 1283.2 | 1281.2 | 1269.2 | 1271.2 | 1263.2 | 1263.2 | 1255.1 | 1257.1 | 1251.1 | 1255.1 | 1247.1 |
| 17.5° | 1231.0 | 1229.0 | 1217.0 | 1219.0 | 1208.9 | 1211.0 | 1204.9 | 1202.9 | 1198.9 | 1200.9 | 1194.9 |
| 20°   | 1176.8 | 1172.8 | 1160.7 | 1162.8 | 1158.7 | 1152.7 | 1148.7 | 1150.7 | 1146.7 | 1150.7 | 1144.7 |
| 22.5° | 1120.6 | 1112.5 | 1102.5 | 1102.5 | 1098.5 | 1098.5 | 1092.5 | 1096.5 | 1088.5 | 1094.5 | 1090.5 |
| 25°   | 1056.3 | 1050.3 | 1042.3 | 1046.3 | 1038.2 | 1038.2 | 1032.2 | 1034.2 | 1030.2 | 1034.2 | 1030.2 |
| 27.5° | 994.1  | 990.0  | 978.0  | 982.0  | 976.0  | 978.0  | 972.0  | 974.0  | 972.0  | 976.0  | 972.0  |
| 30°   | 927.8  | 925.8  | 917.8  | 917.8  | 915.7  | 913.7  | 911.7  | 911.7  | 909.7  | 915.7  | 911.7  |
| 32.5° | 865.5  | 859.5  | 851.5  | 857.5  | 847.5  | 853.5  | 849.5  | 853.5  | 849.5  | 853.5  | 851.5  |
| 35°   | 801.3  | 799.3  | 789.2  | 791.2  | 789.2  | 789.2  | 787.2  | 787.2  | 787.2  | 793.2  | 793.2  |
| 37.5° | 733.0  | 731.0  | 725.0  | 727.0  | 723.0  | 720.9  | 720.9  | 725.0  | 725.0  | 729.0  | 729.0  |
| 40°   | 666.7  | 668.7  | 662.7  | 662.7  | 660.7  | 660.7  | 660.7  | 664.7  | 662.7  | 666.7  | 664.7  |
| 42.5° | 600.5  | 600.5  | 594.4  | 596.4  | 594.4  | 596.4  | 596.4  | 600.5  | 600.5  | 602.5  | 600.5  |
| 45°   | 538.2  | 538.2  | 536.2  | 538.2  | 534.2  | 536.2  | 534.2  | 538.2  | 536.2  | 538.2  | 538.2  |
| 47.5° | 475.9  | 475.9  | 475.9  | 473.9  | 473.9  | 473.9  | 473.9  | 473.9  | 471.9  | 475.9  | 473.9  |
| 50°   | 417.7  | 419.7  | 417.7  | 417.7  | 415.7  | 417.7  | 415.7  | 415.7  | 411.7  | 413.7  | 413.7  |
| 52.5° | 365.5  | 365.5  | 361.5  | 361.5  | 361.5  | 359.5  | 359.5  | 359.5  | 357.5  | 357.5  | 353.4  |
| 55°   | 315.3  | 315.3  | 311.3  | 311.3  | 309.3  | 307.3  | 305.2  | 305.2  | 299.2  | 299.2  | 293.2  |
| 57.5° | 269.1  | 267.1  | 261.1  | 261.1  | 257.1  | 255.0  | 253.0  | 251.0  | 247.0  | 243.0  | 241.0  |
| 60°   | 226.9  | 222.9  | 218.9  | 216.9  | 212.9  | 208.9  | 204.8  | 200.8  | 196.8  | 194.8  | 192.8  |
| 62.5° | 186.8  | 180.7  | 176.7  | 174.7  | 170.7  | 164.7  | 160.7  | 156.6  | 152.6  | 150.6  | 146.6  |
| 65°   | 150.6  | 144.6  | 138.6  | 136.6  | 132.5  | 128.5  | 122.5  | 118.5  | 114.5  | 112.5  | 112.5  |
| 67.5° | 118.5  | 112.5  | 104.4  | 104.4  | 100.4  | 96.4   | 92.4   | 88.4   | 86.4   | 88.4   | 88.4   |
| 70°   | 88.4   | 84.3   | 78.3   | 76.3   | 72.3   | 68.3   | 66.3   | 66.3   | 66.3   | 68.3   | 66.3   |
| 72.5° | 66.3   | 60.2   | 56.2   | 54.2   | 52.2   | 50.2   | 50.2   | 50.2   | 48.2   | 50.2   | 50.2   |
| 75°   | 46.2   | 42.2   | 38.2   | 38.2   | 36.1   | 36.1   | 36.1   | 36.1   | 36.1   | 36.1   | 36.1   |
| 77.5° | 32.1   | 28.1   | 26.1   | 26.1   | 26.1   | 24.1   | 24.1   | 24.1   | 24.1   | 24.1   | 24.1   |
| 80°   | 20.1   | 20.1   | 18.1   | 18.1   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   |
| 82.5° | 12.0   | 12.0   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   |
| 85°   | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    |
| 87.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    |
| 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: P252497

CATALOG NUMBER: LD6B40D010 EU6B30509024 6LBLWW1H

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 | 1445.9 |
| 2.5°  | 1427.8 | 1433.9 | 1425.8 | 1431.9 | 1429.8 | 1427.8 | 1423.8 | 1431.9 |
| 5°    | 1403.7 | 1405.7 | 1397.7 | 1405.7 | 1403.7 | 1399.7 | 1395.7 | 1403.7 |
| 7.5°  | 1369.6 | 1375.6 | 1365.6 | 1373.6 | 1371.6 | 1367.6 | 1363.6 | 1371.6 |
| 10°   | 1331.4 | 1337.5 | 1329.4 | 1335.5 | 1335.5 | 1331.4 | 1325.4 | 1333.5 |
| 12.5° | 1289.3 | 1293.3 | 1285.3 | 1293.3 | 1291.3 | 1287.3 | 1285.3 | 1291.3 |
| 15°   | 1243.1 | 1249.1 | 1241.1 | 1247.1 | 1245.1 | 1243.1 | 1241.1 | 1247.1 |
| 17.5° | 1192.9 | 1198.9 | 1192.9 | 1198.9 | 1198.9 | 1192.9 | 1190.9 | 1194.9 |
| 20°   | 1142.7 | 1146.7 | 1140.7 | 1146.7 | 1144.7 | 1144.7 | 1140.7 | 1146.7 |
| 22.5° | 1086.4 | 1092.5 | 1088.5 | 1092.5 | 1090.5 | 1090.5 | 1088.5 | 1092.5 |
| 25°   | 1030.2 | 1036.2 | 1030.2 | 1036.2 | 1034.2 | 1034.2 | 1030.2 | 1040.3 |
| 27.5° | 974.0  | 978.0  | 972.0  | 980.0  | 978.0  | 974.0  | 976.0  | 978.0  |
| 30°   | 913.7  | 917.8  | 913.7  | 919.8  | 919.8  | 919.8  | 915.7  | 919.8  |
| 32.5° | 853.5  | 859.5  | 853.5  | 859.5  | 857.5  | 857.5  | 855.5  | 859.5  |
| 35°   | 793.2  | 795.3  | 791.2  | 797.3  | 797.3  | 799.3  | 795.3  | 801.3  |
| 37.5° | 731.0  | 733.0  | 731.0  | 733.0  | 737.0  | 731.0  | 735.0  | 737.0  |
| 40°   | 666.7  | 670.7  | 668.7  | 670.7  | 670.7  | 672.8  | 670.7  | 672.8  |
| 42.5° | 602.5  | 606.5  | 602.5  | 608.5  | 606.5  | 606.5  | 608.5  | 608.5  |
| 45°   | 536.2  | 542.2  | 538.2  | 542.2  | 544.2  | 542.2  | 542.2  | 546.2  |
| 47.5° | 473.9  | 478.0  | 475.9  | 478.0  | 478.0  | 478.0  | 478.0  | 482.0  |
| 50°   | 411.7  | 413.7  | 413.7  | 415.7  | 415.7  | 417.7  | 413.7  | 415.7  |
| 52.5° | 349.4  | 353.4  | 353.4  | 353.4  | 351.4  | 353.4  | 353.4  | 353.4  |
| 55°   | 293.2  | 295.2  | 291.2  | 295.2  | 295.2  | 293.2  | 293.2  | 297.2  |
| 57.5° | 239.0  | 239.0  | 239.0  | 239.0  | 239.0  | 237.0  | 239.0  | 239.0  |
| 60°   | 188.8  | 190.8  | 188.8  | 188.8  | 188.8  | 188.8  | 186.8  | 190.8  |
| 62.5° | 146.6  | 146.6  | 144.6  | 146.6  | 146.6  | 146.6  | 148.6  | 148.6  |
| 65°   | 114.5  | 116.5  | 114.5  | 116.5  | 116.5  | 116.5  | 116.5  | 118.5  |
| 67.5° | 90.4   | 90.4   | 90.4   | 90.4   | 90.4   | 90.4   | 90.4   | 90.4   |
| 70°   | 68.3   | 68.3   | 68.3   | 70.3   | 68.3   | 68.3   | 68.3   | 70.3   |
| 72.5° | 50.2   | 50.2   | 50.2   | 50.2   | 50.2   | 50.2   | 52.2   | 52.2   |
| 75°   | 36.1   | 36.1   | 36.1   | 36.1   | 36.1   | 36.1   | 36.1   | 36.1   |
| 77.5° | 24.1   | 24.1   | 24.1   | 26.1   | 24.1   | 26.1   | 24.1   | 24.1   |
| 80°   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   |
| 82.5° | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   |
| 85°   | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    |
| 87.5° | 4.0    | 4.0    | 4.0    | 4.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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















(END OF REPORT)