

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P834218

Luminaire Tested: **ORLG-12-4-INS-ASY2-LD4-1STD-40-120-EDD**

Issue Date: 5/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P834218  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 5/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: ORLG-12-4-INS-ASY2-LD4-1STD-40-120-EDD  
Description: 1FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

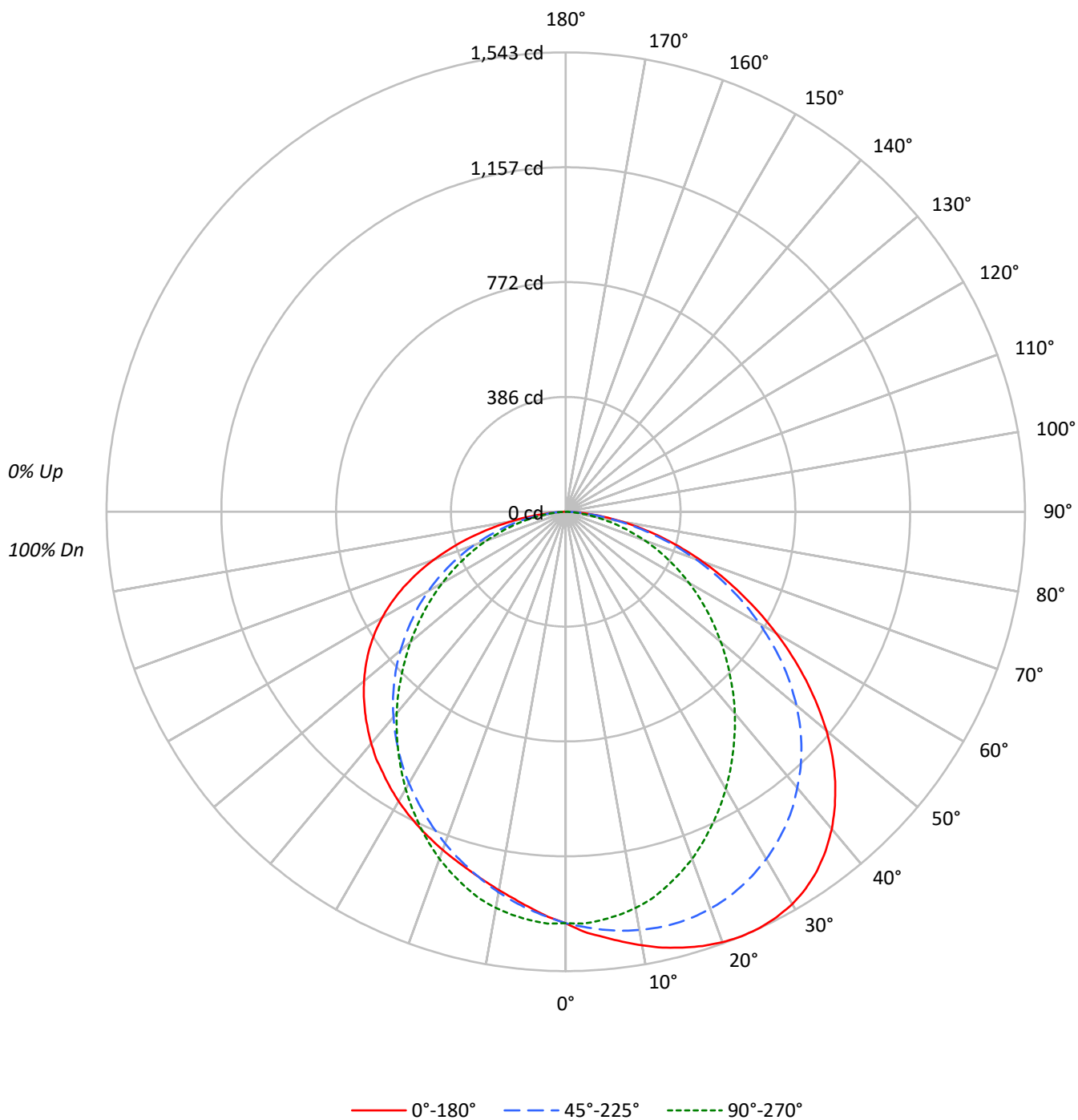
Lumens per Lamp: N/A  
Luminaire Lumens: 4064.7 lumens  
Efficiency: N/A  
Efficacy: 122.1 lumens/watt  
Spacing Criteria (0/90/45): 1.41 / 1.17 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.3  
Input Voltage (V): 120  
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: 28.75 FT

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### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |     | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 109 | 104 | 100 | 96  | 106 | 102 | 98  | 94  | 97  | 94  | 91  | 94  | 91  | 88  | 90  | 88  | 86  | 86  | 86  | 84  |
| 2   | 99  | 90  | 84  | 78  | 96  | 89  | 82  | 77  | 85  | 80  | 75  | 82  | 77  | 73  | 79  | 75  | 72  | 72  | 72  | 70  |
| 3   | 90  | 79  | 71  | 65  | 87  | 78  | 70  | 64  | 75  | 68  | 63  | 72  | 66  | 62  | 69  | 65  | 61  | 61  | 61  | 58  |
| 4   | 82  | 70  | 61  | 55  | 80  | 69  | 61  | 54  | 66  | 59  | 53  | 64  | 58  | 53  | 62  | 56  | 52  | 52  | 52  | 50  |
| 5   | 76  | 63  | 54  | 47  | 73  | 61  | 53  | 47  | 59  | 52  | 46  | 57  | 51  | 46  | 55  | 50  | 45  | 45  | 45  | 43  |
| 6   | 70  | 56  | 47  | 41  | 68  | 55  | 47  | 41  | 54  | 46  | 40  | 52  | 45  | 40  | 50  | 44  | 40  | 40  | 40  | 37  |
| 7   | 65  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 49  | 41  | 36  | 47  | 40  | 35  | 46  | 40  | 35  | 35  | 35  | 33  |
| 8   | 60  | 46  | 38  | 32  | 59  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 31  | 42  | 36  | 31  | 31  | 31  | 29  |
| 9   | 56  | 43  | 34  | 29  | 55  | 42  | 34  | 29  | 41  | 34  | 29  | 40  | 33  | 28  | 39  | 33  | 28  | 28  | 28  | 26  |
| 10  | 53  | 39  | 31  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  | 37  | 30  | 26  | 36  | 30  | 26  | 26  | 26  | 24  |

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

|     | 0°   | 90°  | 180° |
|-----|------|------|------|
| 0°  | 3718 | 3718 | 3718 |
| 5°  | 3871 | 3720 | 3610 |
| 10° | 4041 | 3692 | 3527 |
| 15° | 4222 | 3633 | 3476 |
| 20° | 4407 | 3553 | 3461 |
| 25° | 4580 | 3450 | 3467 |
| 30° | 4729 | 3342 | 3489 |
| 35° | 4837 | 3223 | 3518 |
| 40° | 4886 | 3104 | 3570 |
| 45° | 4872 | 2973 | 3629 |
| 50° | 4786 | 2848 | 3704 |
| 55° | 4622 | 2716 | 3780 |
| 60° | 4397 | 2576 | 3838 |
| 65° | 4129 | 2420 | 3833 |
| 70° | 3843 | 2231 | 3719 |
| 75° | 3489 | 1960 | 3429 |
| 80° | 2996 | 1610 | 2893 |
| 85° | 2285 | 1099 | 1985 |

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 131.1  | 3.2       |
| 10°-20°   | 378.5  | 9.3       |
| 20°-30°   | 579.8  | 14.3      |
| 30°-40°   | 707.6  | 17.4      |
| 40°-50°   | 740.0  | 18.2      |
| 50°-60°   | 669.7  | 16.5      |
| 60°-70°   | 507.2  | 12.5      |
| 70°-80°   | 282.7  | 7.0       |
| 80°-90°   | 68.2   | 1.7       |
| 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°    | 1089.3 | 26.8      |
| 0°-40°    | 1796.9 | 44.2      |
| 0°-60°    | 3206.6 | 78.9      |
| 0°-90°    | 4064.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4064.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1382 | 1382 | 1382 | 1382 | 1382 |      |
| 5°  | 1433 | 1409 | 1377 | 1344 | 1336 | 138  |
| 15° | 1516 | 1431 | 1304 | 1244 | 1248 | 430  |
| 25° | 1542 | 1391 | 1162 | 1121 | 1168 | 712  |
| 35° | 1472 | 1288 | 981  | 980  | 1071 | 919  |
| 45° | 1280 | 1120 | 781  | 816  | 954  | 985  |
| 55° | 985  | 890  | 579  | 630  | 806  | 879  |
| 65° | 648  | 610  | 380  | 432  | 602  | 643  |
| 75° | 336  | 317  | 188  | 225  | 330  | 356  |
| 85° | 74   | 65   | 36   | 48   | 64   | 89   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 |
| 2.5°  | 1412.3 | 1405.7 | 1400.2 | 1402.4 | 1403.6 | 1399.3 | 1395.7 | 1396.3 | 1392.7 | 1399.6 | 1383.3 |
| 5°    | 1433.2 | 1427.1 | 1420.8 | 1423.2 | 1420.8 | 1414.4 | 1409.3 | 1407.8 | 1398.1 | 1402.1 | 1385.4 |
| 7.5°  | 1456.4 | 1449.8 | 1440.4 | 1443.1 | 1438.0 | 1426.2 | 1419.6 | 1415.6 | 1400.8 | 1401.1 | 1382.7 |
| 10°   | 1478.8 | 1473.0 | 1460.3 | 1462.2 | 1452.8 | 1437.1 | 1426.5 | 1421.1 | 1400.2 | 1397.2 | 1378.2 |
| 12.5° | 1499.6 | 1491.8 | 1478.2 | 1479.1 | 1465.5 | 1444.6 | 1431.0 | 1423.2 | 1396.0 | 1386.9 | 1368.2 |
| 15°   | 1515.6 | 1508.1 | 1491.8 | 1491.5 | 1473.9 | 1446.8 | 1431.3 | 1420.5 | 1386.0 | 1371.8 | 1352.2 |
| 17.5° | 1529.2 | 1522.3 | 1502.0 | 1501.4 | 1480.3 | 1445.8 | 1427.4 | 1413.8 | 1371.5 | 1354.0 | 1332.3 |
| 20°   | 1538.9 | 1531.9 | 1509.3 | 1507.2 | 1481.8 | 1441.3 | 1419.3 | 1402.1 | 1352.5 | 1331.7 | 1307.5 |
| 22.5° | 1543.4 | 1536.5 | 1510.8 | 1507.8 | 1478.2 | 1432.3 | 1407.5 | 1387.3 | 1330.8 | 1303.6 | 1278.5 |
| 25°   | 1542.5 | 1535.9 | 1506.9 | 1503.8 | 1471.2 | 1418.7 | 1390.9 | 1367.6 | 1303.3 | 1271.3 | 1246.5 |
| 27.5° | 1534.9 | 1529.8 | 1499.3 | 1495.4 | 1458.5 | 1400.2 | 1370.6 | 1345.0 | 1272.8 | 1237.1 | 1210.3 |
| 30°   | 1522.0 | 1518.0 | 1485.7 | 1482.1 | 1442.8 | 1380.0 | 1347.1 | 1317.5 | 1239.9 | 1199.7 | 1172.5 |
| 32.5° | 1501.1 | 1497.5 | 1464.9 | 1461.6 | 1421.7 | 1354.0 | 1319.6 | 1289.1 | 1203.9 | 1159.5 | 1132.3 |
| 35°   | 1472.4 | 1470.3 | 1438.6 | 1435.0 | 1394.5 | 1324.4 | 1287.9 | 1254.4 | 1166.5 | 1116.3 | 1090.3 |
| 37.5° | 1434.7 | 1434.7 | 1404.2 | 1400.2 | 1360.7 | 1288.2 | 1252.2 | 1216.6 | 1124.2 | 1071.0 | 1045.3 |
| 40°   | 1390.9 | 1394.8 | 1363.7 | 1359.8 | 1321.4 | 1249.2 | 1210.0 | 1172.5 | 1078.6 | 1023.3 | 998.2  |
| 42.5° | 1338.3 | 1341.9 | 1316.0 | 1312.3 | 1276.4 | 1204.2 | 1167.7 | 1126.9 | 1030.8 | 974.7  | 948.7  |
| 45°   | 1280.3 | 1285.2 | 1261.9 | 1259.2 | 1225.7 | 1155.0 | 1119.9 | 1078.6 | 981.0  | 923.9  | 898.6  |
| 47.5° | 1215.7 | 1222.0 | 1201.8 | 1200.3 | 1169.2 | 1104.5 | 1068.0 | 1026.0 | 928.8  | 871.1  | 847.2  |
| 50°   | 1143.2 | 1152.3 | 1135.7 | 1135.7 | 1107.9 | 1043.5 | 1011.8 | 969.8  | 874.4  | 816.7  | 793.1  |
| 52.5° | 1065.6 | 1077.1 | 1064.7 | 1065.0 | 1042.3 | 984.6  | 951.7  | 910.6  | 817.6  | 760.8  | 739.1  |
| 55°   | 985.2  | 996.4  | 988.6  | 989.8  | 972.0  | 919.4  | 889.5  | 848.7  | 759.6  | 704.3  | 683.8  |
| 57.5° | 901.3  | 913.4  | 908.2  | 910.6  | 898.3  | 851.1  | 820.0  | 784.4  | 699.8  | 645.1  | 627.6  |
| 60°   | 817.0  | 828.5  | 825.8  | 829.1  | 821.2  | 780.5  | 752.1  | 715.2  | 639.7  | 587.2  | 571.8  |
| 62.5° | 731.8  | 742.4  | 741.8  | 745.4  | 741.2  | 707.4  | 682.0  | 650.6  | 577.5  | 529.2  | 515.0  |
| 65°   | 648.5  | 657.5  | 656.9  | 660.9  | 659.9  | 632.8  | 609.8  | 581.1  | 515.3  | 470.9  | 458.5  |
| 67.5° | 567.5  | 575.1  | 573.0  | 577.5  | 578.7  | 557.0  | 537.0  | 511.3  | 456.1  | 412.9  | 402.3  |
| 70°   | 488.4  | 493.5  | 490.8  | 493.8  | 496.5  | 480.2  | 463.3  | 440.7  | 392.9  | 354.9  | 346.1  |
| 72.5° | 410.8  | 414.4  | 410.2  | 413.2  | 415.6  | 403.8  | 389.9  | 370.3  | 330.7  | 297.8  | 290.6  |
| 75°   | 335.6  | 340.7  | 331.9  | 335.0  | 336.8  | 325.0  | 316.8  | 300.8  | 266.7  | 241.3  | 236.5  |
| 77.5° | 262.8  | 265.8  | 261.0  | 259.8  | 261.0  | 252.5  | 246.2  | 233.8  | 208.1  | 187.3  | 184.2  |
| 80°   | 193.3  | 195.1  | 190.3  | 189.1  | 190.0  | 183.9  | 179.1  | 170.0  | 151.9  | 136.2  | 135.0  |
| 82.5° | 129.6  | 130.5  | 126.3  | 125.0  | 125.6  | 123.8  | 118.1  | 111.8  | 103.3  | 90.0   | 89.7   |
| 85°   | 74.0   | 74.0   | 71.0   | 69.8   | 70.4   | 67.4   | 65.2   | 61.9   | 58.6   | 49.5   | 50.1   |
| 87.5° | 27.2   | 27.2   | 25.7   | 25.4   | 28.4   | 25.1   | 24.2   | 22.7   | 23.6   | 18.7   | 19.9   |
| 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):**

|       | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 | 1381.8 |
| 2.5°  | 1387.9 | 1384.8 | 1382.1 | 1372.8 | 1376.7 | 1367.0 | 1366.4 | 1362.8 | 1360.1 | 1354.9 | 1361.6 |
| 5°    | 1383.3 | 1377.3 | 1369.4 | 1358.3 | 1361.6 | 1350.1 | 1347.7 | 1343.5 | 1339.8 | 1333.2 | 1338.3 |
| 7.5°  | 1376.1 | 1366.1 | 1353.7 | 1339.5 | 1344.1 | 1329.9 | 1326.2 | 1321.7 | 1318.7 | 1310.8 | 1315.4 |
| 10°   | 1365.5 | 1351.3 | 1336.8 | 1319.6 | 1322.9 | 1307.5 | 1303.0 | 1298.2 | 1295.4 | 1288.5 | 1293.0 |
| 12.5° | 1349.2 | 1332.0 | 1312.3 | 1293.6 | 1297.2 | 1282.7 | 1276.7 | 1271.6 | 1270.7 | 1264.9 | 1270.4 |
| 15°   | 1328.1 | 1304.2 | 1284.0 | 1264.0 | 1268.2 | 1251.3 | 1248.6 | 1243.5 | 1245.0 | 1241.1 | 1247.7 |
| 17.5° | 1301.2 | 1273.7 | 1251.6 | 1230.2 | 1234.4 | 1220.2 | 1218.1 | 1215.7 | 1217.2 | 1216.6 | 1223.8 |
| 20°   | 1271.0 | 1240.8 | 1215.4 | 1194.3 | 1196.7 | 1185.5 | 1186.4 | 1185.8 | 1188.8 | 1192.1 | 1202.1 |
| 22.5° | 1236.8 | 1202.7 | 1176.1 | 1154.4 | 1158.0 | 1148.3 | 1152.6 | 1153.8 | 1158.9 | 1166.5 | 1179.1 |
| 25°   | 1198.5 | 1161.9 | 1134.1 | 1113.6 | 1116.9 | 1110.6 | 1117.8 | 1120.9 | 1129.0 | 1141.7 | 1154.7 |
| 27.5° | 1158.3 | 1119.6 | 1090.0 | 1070.4 | 1076.8 | 1070.4 | 1081.3 | 1087.3 | 1099.7 | 1113.6 | 1129.6 |
| 30°   | 1115.7 | 1075.5 | 1045.0 | 1027.5 | 1033.6 | 1027.8 | 1045.3 | 1053.5 | 1065.9 | 1084.9 | 1103.9 |
| 32.5° | 1071.0 | 1028.7 | 998.8  | 985.2  | 989.5  | 988.6  | 1008.2 | 1017.3 | 1033.9 | 1055.6 | 1075.9 |
| 35°   | 1025.1 | 981.0  | 950.8  | 939.3  | 944.5  | 945.7  | 969.2  | 979.8  | 997.9  | 1024.2 | 1046.0 |
| 37.5° | 977.7  | 932.7  | 903.1  | 893.7  | 898.3  | 902.8  | 930.3  | 940.8  | 961.4  | 990.1  | 1013.9 |
| 40°   | 928.5  | 883.5  | 854.5  | 846.9  | 851.4  | 856.3  | 886.2  | 900.7  | 923.0  | 954.1  | 980.1  |
| 42.5° | 878.6  | 833.6  | 805.5  | 800.1  | 804.6  | 814.0  | 845.7  | 859.3  | 882.9  | 917.3  | 946.0  |
| 45°   | 827.9  | 781.1  | 756.6  | 752.4  | 757.2  | 768.1  | 799.2  | 815.5  | 840.6  | 878.3  | 909.1  |
| 47.5° | 776.5  | 730.9  | 707.7  | 705.0  | 709.8  | 721.9  | 756.3  | 771.1  | 797.7  | 837.8  | 871.1  |
| 50°   | 724.6  | 680.2  | 657.8  | 656.9  | 661.5  | 674.4  | 707.4  | 724.9  | 752.4  | 797.4  | 831.5  |
| 52.5° | 672.0  | 629.4  | 609.2  | 609.2  | 613.4  | 626.7  | 659.9  | 678.1  | 706.5  | 753.9  | 791.6  |
| 55°   | 619.5  | 579.0  | 559.7  | 561.2  | 567.2  | 578.7  | 611.0  | 630.0  | 658.7  | 708.0  | 747.8  |
| 57.5° | 566.9  | 528.6  | 511.0  | 513.2  | 518.9  | 530.4  | 562.1  | 583.5  | 609.5  | 660.6  | 701.3  |
| 60°   | 515.0  | 478.7  | 463.3  | 465.7  | 470.9  | 482.4  | 515.3  | 533.7  | 559.7  | 611.6  | 652.4  |
| 62.5° | 462.4  | 429.5  | 415.0  | 418.0  | 422.5  | 434.0  | 465.1  | 483.0  | 508.6  | 559.7  | 600.7  |
| 65°   | 410.5  | 380.0  | 367.6  | 370.6  | 374.8  | 385.4  | 414.7  | 431.9  | 456.4  | 506.2  | 545.5  |
| 67.5° | 359.1  | 331.3  | 321.1  | 324.1  | 327.4  | 337.4  | 361.5  | 380.3  | 403.2  | 450.6  | 487.8  |
| 70°   | 308.4  | 283.6  | 274.6  | 277.6  | 280.6  | 289.7  | 310.8  | 328.0  | 349.2  | 392.6  | 427.1  |
| 72.5° | 258.2  | 234.1  | 229.5  | 232.3  | 234.7  | 242.5  | 262.8  | 276.4  | 294.8  | 333.4  | 363.0  |
| 75°   | 209.3  | 188.5  | 185.5  | 188.2  | 190.3  | 196.3  | 213.2  | 225.0  | 240.4  | 273.9  | 298.1  |
| 77.5° | 162.2  | 144.7  | 143.5  | 145.6  | 147.7  | 151.9  | 165.2  | 177.6  | 189.7  | 214.4  | 235.9  |
| 80°   | 118.1  | 103.9  | 103.9  | 106.0  | 105.4  | 110.5  | 119.9  | 129.9  | 138.6  | 156.5  | 172.2  |
| 82.5° | 77.9   | 66.7   | 68.3   | 69.8   | 70.7   | 72.8   | 78.5   | 86.1   | 91.5   | 102.4  | 112.7  |
| 85°   | 43.2   | 35.6   | 37.2   | 38.4   | 37.8   | 40.2   | 43.2   | 47.7   | 50.4   | 55.6   | 61.0   |
| 87.5° | 16.0   | 13.3   | 13.6   | 14.5   | 15.1   | 16.3   | 16.3   | 19.0   | 19.3   | 19.9   | 21.1   |
| 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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TEST NUMBER: P834218

CATALOG NUMBER: ORLG-12-4-INS-ASY2-LD4-1STD-40-120-EDD

**CANDELA DISTRIBUTION (continued):**

|       | 160°   | 170°   | 180°   |
|-------|--------|--------|--------|
| 0°    | 1381.8 | 1381.8 | 1381.8 |
| 2.5°  | 1348.9 | 1356.1 | 1361.6 |
| 5°    | 1325.6 | 1331.7 | 1336.5 |
| 7.5°  | 1303.0 | 1308.4 | 1312.6 |
| 10°   | 1281.5 | 1287.6 | 1290.6 |
| 12.5° | 1259.5 | 1266.4 | 1268.9 |
| 15°   | 1237.7 | 1244.7 | 1247.7 |
| 17.5° | 1215.4 | 1224.5 | 1227.8 |
| 20°   | 1194.6 | 1206.0 | 1208.7 |
| 22.5° | 1173.4 | 1185.2 | 1188.5 |
| 25°   | 1150.5 | 1164.3 | 1167.7 |
| 27.5° | 1126.0 | 1142.6 | 1145.9 |
| 30°   | 1101.5 | 1119.6 | 1123.0 |
| 32.5° | 1075.2 | 1094.9 | 1097.9 |
| 35°   | 1047.8 | 1067.4 | 1071.0 |
| 37.5° | 1017.3 | 1038.7 | 1046.0 |
| 40°   | 985.5  | 1008.8 | 1016.4 |
| 42.5° | 952.3  | 977.7  | 985.5  |
| 45°   | 916.7  | 944.5  | 953.5  |
| 47.5° | 880.7  | 912.1  | 920.0  |
| 50°   | 841.8  | 875.3  | 884.7  |
| 52.5° | 801.0  | 837.5  | 846.9  |
| 55°   | 758.7  | 795.6  | 805.8  |
| 57.5° | 712.8  | 750.9  | 761.7  |
| 60°   | 664.8  | 702.8  | 713.1  |
| 62.5° | 615.5  | 650.0  | 659.9  |
| 65°   | 560.6  | 592.9  | 602.0  |
| 67.5° | 502.3  | 531.9  | 539.4  |
| 70°   | 440.4  | 466.0  | 472.7  |
| 72.5° | 375.7  | 393.6  | 402.3  |
| 75°   | 309.0  | 323.2  | 329.8  |
| 77.5° | 241.9  | 251.9  | 257.3  |
| 80°   | 176.4  | 182.1  | 186.7  |
| 82.5° | 115.4  | 117.8  | 121.1  |
| 85°   | 62.2   | 62.2   | 64.3   |
| 87.5° | 21.1   | 20.2   | 21.1   |
| 90°   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)