

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1213728

Luminaire Tested: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

Issue Date: 3/29/2018

**Test Information**

Test Method: LM-79-2019  
Report Number: P1213728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)  
Test Lab: INNOVATIONS CENTER-P3  
Issue Date: 3/29/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

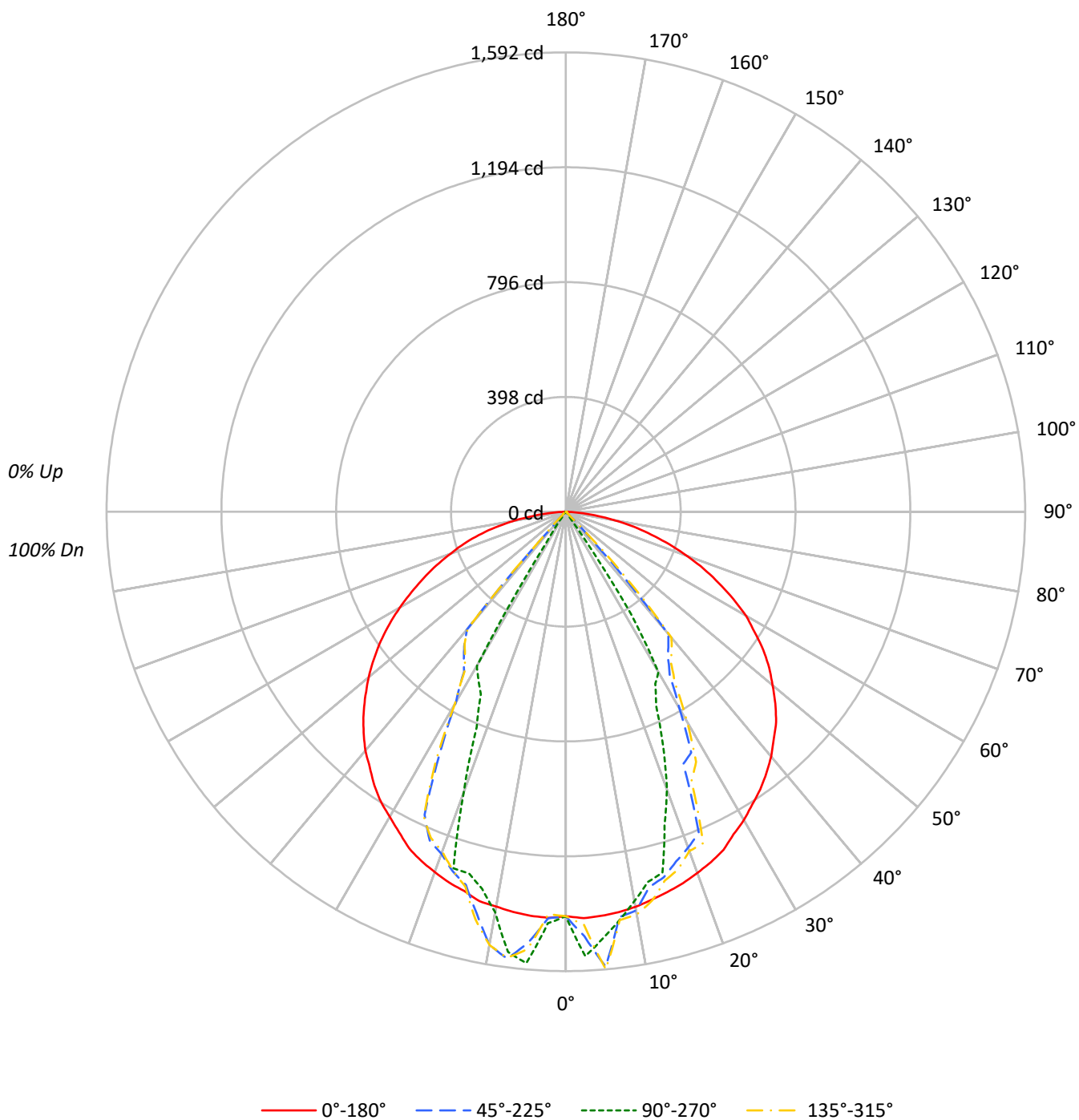
Lumens per Lamp: N/A  
Luminaire Lumens: 1993.0 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 16  
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: 24 FT

TEST NUMBER: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

### Luminous Intensity Polar Plot



TEST NUMBER: P1213728

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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 | 100 |    |    |
| 1   | 112 | 108 | 105 | 103 | 109 | 106 | 103 | 101 | 102 | 100 | 98  | 98  | 96  | 95  | 95  | 93  | 92  | 90  |    |    |
| 2   | 105 | 98  | 93  | 89  | 102 | 97  | 92  | 88  | 93  | 89  | 86  | 90  | 87  | 84  | 87  | 85  | 82  | 81  |    |    |
| 3   | 98  | 90  | 83  | 78  | 95  | 88  | 82  | 78  | 85  | 80  | 76  | 83  | 79  | 75  | 80  | 77  | 74  | 72  |    |    |
| 4   | 91  | 82  | 75  | 70  | 89  | 81  | 74  | 69  | 78  | 73  | 69  | 76  | 72  | 68  | 74  | 70  | 67  | 65  |    |    |
| 5   | 85  | 75  | 68  | 63  | 84  | 74  | 68  | 63  | 72  | 66  | 62  | 71  | 65  | 61  | 69  | 64  | 61  | 59  |    |    |
| 6   | 80  | 69  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 64  | 59  | 55  | 54  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |    |    |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |    |    |
| 9   | 67  | 56  | 49  | 44  | 66  | 55  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 44  | 52  | 47  | 44  | 42  |    |    |
| 10  | 63  | 52  | 45  | 41  | 62  | 52  | 45  | 41  | 51  | 45  | 41  | 50  | 44  | 41  | 49  | 44  | 40  | 39  |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 11326 | 11326 | 11326 | 11326 |
| 5°  | 11373 | 11649 | 11369 | 12336 |
| 10° | 11346 | 10542 | 11338 | 10846 |
| 15° | 11315 | 9839  | 11287 | 9864  |
| 20° | 11328 | 7750  | 11295 | 7845  |
| 25° | 11361 | 5608  | 11305 | 5292  |
| 30° | 11309 | 4920  | 11189 | 4730  |
| 35° | 11342 | 109   | 11175 | 131   |
| 40° | 11381 | 23    | 11109 | 23    |
| 45° | 11421 | 14    | 10992 | 11    |
| 50° | 11334 | 11    | 10814 | 11    |
| 55° | 11267 | 7     | 10575 | 7     |
| 60° | 11054 | 8     | 10190 | 8     |
| 65° | 10478 | 14    | 9733  | 8     |
| 70° | 9720  | 15    | 9254  | 15    |
| 75° | 8598  | 17    | 8738  | 17    |
| 80° | 6985  | 19    | 7384  | 19    |
| 85° | 4113  | 23    | 4195  | 23    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 12332 cd/sqm

TEST NUMBER: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 140.6  | 7.1       |
| 10°-20°   | 383.6  | 19.2      |
| 20°-30°   | 488.1  | 24.5      |
| 30°-40°   | 412.3  | 20.7      |
| 40°-50°   | 269.6  | 13.5      |
| 50°-60°   | 169.8  | 8.5       |
| 60°-70°   | 90.4   | 4.5       |
| 70°-80°   | 33.0   | 1.7       |
| 80°-90°   | 5.7    | 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°    | 1012.3 | 50.8      |
| 0°-40°    | 1424.6 | 71.5      |
| 0°-60°    | 1864.0 | 93.5      |
| 0°-90°    | 1993.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1993.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1402 | 1402 | 1402 | 1402 | 1402 |      |
| 5°  | 1406 | 1483 | 1405 | 1571 | 1406 | 134  |
| 15° | 1364 | 1294 | 1360 | 1298 | 1364 | 386  |
| 25° | 1293 | 739  | 1286 | 697  | 1293 | 594  |
| 35° | 1175 | 14   | 1158 | 17   | 1175 | 735  |
| 45° | 1031 | 2    | 992  | 1    | 1031 | 793  |
| 55° | 835  | 1    | 784  | 1    | 835  | 744  |
| 65° | 585  | 1    | 543  | 1    | 585  | 579  |
| 75° | 308  | 1    | 312  | 1    | 308  | 326  |
| 85° | 60   | 1    | 61   | 1    | 60   | 76   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

TEST NUMBER: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 2°     | 3°     | 4°     | 5°     | 6°     | 7°     | 8°     | 9°     | 10°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1409.6 | 1410.5 | 1410.9 | 1411.7 | 1413.0 | 1413.4 | 1414.2 | 1413.4 | 1413.4 | 1413.4 | 1413.4 |
| 5°    | 1405.8 | 1407.5 | 1408.8 | 1410.5 | 1413.4 | 1413.8 | 1417.2 | 1417.6 | 1419.3 | 1422.7 | 1425.2 |
| 7.5°  | 1399.5 | 1401.2 | 1403.7 | 1407.9 | 1412.1 | 1416.8 | 1422.7 | 1429.0 | 1437.8 | 1446.2 | 1456.7 |
| 10°   | 1390.3 | 1392.4 | 1395.3 | 1399.1 | 1419.7 | 1422.7 | 1435.7 | 1453.8 | 1458.8 | 1485.3 | 1505.1 |
| 12.5° | 1376.8 | 1384.0 | 1391.5 | 1394.9 | 1414.7 | 1445.8 | 1489.5 | 1480.7 | 1471.0 | 1557.7 | 1556.4 |
| 15°   | 1363.8 | 1373.4 | 1369.7 | 1397.0 | 1415.1 | 1469.4 | 1450.8 | 1490.4 | 1562.7 | 1545.1 | 1545.9 |
| 17.5° | 1349.9 | 1352.0 | 1373.0 | 1395.7 | 1428.1 | 1455.9 | 1478.6 | 1532.9 | 1547.2 | 1548.4 | 1532.9 |
| 20°   | 1332.2 | 1342.3 | 1373.0 | 1393.6 | 1448.3 | 1461.4 | 1510.6 | 1538.3 | 1532.5 | 1518.1 | 1491.6 |
| 22.5° | 1314.1 | 1344.8 | 1376.0 | 1405.0 | 1443.3 | 1478.2 | 1502.6 | 1515.6 | 1484.9 | 1428.5 | 1398.3 |
| 25°   | 1292.7 | 1310.8 | 1351.6 | 1394.1 | 1442.0 | 1462.2 | 1476.5 | 1455.5 | 1415.5 | 1365.0 | 1314.1 |
| 27.5° | 1259.4 | 1288.5 | 1340.6 | 1388.6 | 1431.9 | 1456.3 | 1433.2 | 1382.7 | 1318.3 | 1285.1 | 1262.0 |
| 30°   | 1233.8 | 1271.6 | 1314.6 | 1360.8 | 1405.8 | 1420.1 | 1361.2 | 1303.6 | 1259.4 | 1226.2 | 1221.2 |
| 32.5° | 1202.7 | 1256.5 | 1297.3 | 1341.5 | 1379.3 | 1360.4 | 1303.2 | 1228.7 | 1192.1 | 1179.5 | 1184.6 |
| 35°   | 1174.9 | 1215.7 | 1269.1 | 1312.4 | 1339.8 | 1297.3 | 1206.9 | 1160.6 | 1142.9 | 1150.1 | 1140.8 |
| 37.5° | 1141.7 | 1195.5 | 1244.7 | 1282.2 | 1272.9 | 1209.0 | 1132.4 | 1103.0 | 1105.1 | 1099.2 | 1081.5 |
| 40°   | 1107.2 | 1158.5 | 1209.8 | 1245.1 | 1212.8 | 1115.2 | 1064.3 | 1058.0 | 1059.2 | 1040.3 | 1015.0 |
| 42.5° | 1066.8 | 1113.5 | 1164.8 | 1196.8 | 1126.9 | 1050.8 | 1016.3 | 1017.1 | 1006.2 | 979.7  | 966.2  |
| 45°   | 1030.6 | 1073.5 | 1126.9 | 1129.9 | 1044.1 | 980.5  | 970.5  | 959.5  | 935.1  | 926.3  | 916.2  |
| 47.5° | 984.3  | 1031.9 | 1076.0 | 1060.1 | 962.9  | 923.3  | 915.8  | 891.8  | 879.6  | 872.9  | 864.4  |
| 50°   | 935.1  | 983.1  | 1023.5 | 978.0  | 886.3  | 877.1  | 852.2  | 833.3  | 824.9  | 817.8  | 810.2  |
| 52.5° | 888.4  | 928.0  | 969.2  | 890.9  | 827.4  | 818.6  | 790.4  | 779.5  | 771.1  | 763.1  | 761.4  |
| 55°   | 835.4  | 870.3  | 898.5  | 808.1  | 771.1  | 750.5  | 730.3  | 722.7  | 714.7  | 710.9  | 717.2  |
| 57.5° | 775.3  | 814.8  | 810.6  | 726.5  | 710.1  | 680.2  | 672.6  | 667.6  | 661.7  | 664.2  | 611.6  |
| 60°   | 721.0  | 751.3  | 730.7  | 666.7  | 639.0  | 618.8  | 612.1  | 608.7  | 612.1  | 560.7  | 493.0  |
| 62.5° | 654.1  | 688.2  | 646.5  | 596.9  | 567.5  | 557.8  | 551.9  | 556.5  | 507.3  | 450.9  | 434.5  |
| 65°   | 584.7  | 621.7  | 560.3  | 522.0  | 503.5  | 495.1  | 494.7  | 455.6  | 407.2  | 385.3  | 385.3  |
| 67.5° | 517.8  | 556.1  | 477.0  | 445.1  | 437.9  | 438.7  | 414.3  | 355.0  | 341.6  | 326.8  | 284.4  |
| 70°   | 446.7  | 480.4  | 394.2  | 374.8  | 370.6  | 367.7  | 308.3  | 292.4  | 276.4  | 237.3  | 233.9  |
| 72.5° | 376.1  | 392.5  | 316.8  | 312.1  | 311.3  | 258.7  | 246.9  | 219.6  | 201.1  | 196.4  | 194.3  |
| 75°   | 307.5  | 302.5  | 250.3  | 254.5  | 214.5  | 196.0  | 177.1  | 161.1  | 158.6  | 156.9  | 39.1   |
| 77.5° | 242.7  | 217.5  | 197.3  | 171.6  | 153.5  | 130.4  | 126.6  | 124.1  | 81.6   | 29.4   | 24.0   |
| 80°   | 176.7  | 140.9  | 131.2  | 111.5  | 95.1   | 91.3   | 93.4   | 28.6   | 22.7   | 18.9   | 16.4   |
| 82.5° | 112.3  | 90.0   | 73.6   | 64.4   | 62.7   | 27.3   | 20.2   | 16.4   | 14.3   | 12.2   | 10.1   |
| 85°   | 60.2   | 40.0   | 37.0   | 31.1   | 18.5   | 12.6   | 10.5   | 8.0    | 6.7    | 5.5    | 5.0    |
| 87.5° | 18.9   | 16.0   | 13.0   | 10.5   | 6.3    | 4.2    | 3.4    | 2.9    | 2.5    | 2.1    | 2.1    |
| 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: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 11°    | 12°    | 13°    | 14°    | 15°    | 16°    | 17°    | 18°    | 19°    | 20°    | 25°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1412.6 | 1413.4 | 1413.0 | 1414.2 | 1414.2 | 1415.9 | 1417.2 | 1418.5 | 1421.0 | 1422.2 | 1431.9 |
| 5°    | 1430.7 | 1432.8 | 1439.1 | 1445.0 | 1452.1 | 1454.2 | 1466.4 | 1469.4 | 1483.7 | 1485.3 | 1532.5 |
| 7.5°  | 1471.0 | 1479.0 | 1494.2 | 1509.3 | 1524.5 | 1534.1 | 1551.0 | 1561.5 | 1572.8 | 1582.9 | 1620.4 |
| 10°   | 1519.8 | 1533.3 | 1548.0 | 1563.2 | 1572.0 | 1590.5 | 1600.6 | 1602.3 | 1599.3 | 1582.9 | 1522.4 |
| 12.5° | 1567.8 | 1581.2 | 1574.9 | 1577.9 | 1588.4 | 1555.6 | 1560.2 | 1536.7 | 1553.1 | 1471.9 | 1411.7 |
| 15°   | 1561.1 | 1560.2 | 1544.6 | 1494.2 | 1502.6 | 1439.9 | 1414.7 | 1395.3 | 1410.9 | 1402.5 | 1393.2 |
| 17.5° | 1540.9 | 1502.6 | 1475.7 | 1415.1 | 1389.4 | 1371.8 | 1372.2 | 1372.6 | 1365.0 | 1373.0 | 1349.5 |
| 20°   | 1455.5 | 1412.6 | 1372.6 | 1351.1 | 1343.6 | 1331.0 | 1337.3 | 1331.0 | 1331.4 | 1333.9 | 1297.7 |
| 22.5° | 1341.9 | 1328.9 | 1305.7 | 1312.4 | 1309.9 | 1321.3 | 1312.9 | 1299.8 | 1304.0 | 1285.1 | 1257.8 |
| 25°   | 1296.0 | 1280.9 | 1280.1 | 1282.6 | 1278.8 | 1273.7 | 1266.2 | 1246.4 | 1245.1 | 1239.3 | 1226.6 |
| 27.5° | 1249.8 | 1250.6 | 1253.1 | 1245.6 | 1232.1 | 1222.0 | 1210.6 | 1201.0 | 1204.8 | 1198.0 | 1180.8 |
| 30°   | 1217.8 | 1217.4 | 1202.2 | 1195.5 | 1170.7 | 1171.1 | 1168.2 | 1162.3 | 1158.5 | 1158.9 | 1148.0 |
| 32.5° | 1172.4 | 1159.3 | 1142.1 | 1133.7 | 1131.6 | 1124.0 | 1118.1 | 1119.4 | 1122.3 | 1111.8 | 1123.2 |
| 35°   | 1125.7 | 1098.8 | 1096.2 | 1089.1 | 1082.3 | 1077.3 | 1079.4 | 1071.0 | 1070.6 | 1069.3 | 976.8  |
| 37.5° | 1063.0 | 1050.0 | 1048.7 | 1041.1 | 1036.5 | 1035.2 | 1027.2 | 1028.5 | 1032.3 | 1039.0 | 832.9  |
| 40°   | 1011.3 | 999.5  | 996.5  | 996.1  | 986.0  | 985.2  | 987.3  | 995.3  | 1000.7 | 958.7  | 793.8  |
| 42.5° | 955.7  | 956.6  | 947.3  | 941.4  | 942.7  | 946.5  | 956.6  | 928.8  | 804.7  | 766.9  | 725.6  |
| 45°   | 908.2  | 904.0  | 898.9  | 897.3  | 908.2  | 900.6  | 789.6  | 728.6  | 713.9  | 712.2  | 596.5  |
| 47.5° | 858.6  | 857.3  | 855.2  | 856.5  | 794.2  | 708.0  | 682.7  | 674.7  | 677.3  | 675.6  | 512.4  |
| 50°   | 808.5  | 810.2  | 810.2  | 707.5  | 649.5  | 635.2  | 637.3  | 644.4  | 599.9  | 559.9  | 477.4  |
| 52.5° | 765.2  | 752.1  | 644.4  | 607.4  | 594.4  | 600.7  | 585.6  | 529.6  | 489.2  | 465.7  | 441.7  |
| 55°   | 684.8  | 588.9  | 564.9  | 559.1  | 563.7  | 507.7  | 473.2  | 437.1  | 426.5  | 424.0  | 410.1  |
| 57.5° | 538.9  | 519.5  | 521.6  | 498.1  | 444.6  | 413.1  | 399.2  | 394.2  | 389.5  | 386.2  | 33.7   |
| 60°   | 476.6  | 482.1  | 441.3  | 390.8  | 369.3  | 365.1  | 361.8  | 357.1  | 356.3  | 350.4  | 21.5   |
| 62.5° | 436.2  | 383.6  | 348.3  | 335.7  | 330.6  | 329.4  | 323.1  | 321.0  | 272.6  | 37.4   | 16.0   |
| 65°   | 329.0  | 307.5  | 300.8  | 297.8  | 292.4  | 292.4  | 242.7  | 38.3   | 31.1   | 26.9   | 14.3   |
| 67.5° | 268.4  | 266.7  | 263.3  | 259.5  | 176.7  | 37.0   | 32.4   | 28.2   | 24.4   | 21.5   | 12.6   |
| 70°   | 227.2  | 226.3  | 206.1  | 37.9   | 31.5   | 27.8   | 24.4   | 21.9   | 20.2   | 18.1   | 11.4   |
| 72.5° | 186.4  | 37.9   | 32.0   | 27.8   | 24.0   | 21.9   | 19.8   | 17.7   | 16.0   | 14.7   | 9.3    |
| 75°   | 29.0   | 25.7   | 22.7   | 20.6   | 18.9   | 16.8   | 15.1   | 13.9   | 13.5   | 11.8   | 6.3    |
| 77.5° | 21.0   | 18.1   | 16.4   | 14.7   | 13.0   | 11.8   | 10.1   | 8.8    | 8.0    | 6.7    | 4.6    |
| 80°   | 14.7   | 13.0   | 11.8   | 9.7    | 8.4    | 7.2    | 6.3    | 5.5    | 5.0    | 4.2    | 2.1    |
| 82.5° | 8.4    | 7.2    | 6.3    | 5.0    | 4.6    | 3.8    | 3.4    | 2.9    | 2.9    | 2.1    | 2.1    |
| 85°   | 3.8    | 3.8    | 2.9    | 2.5    | 2.1    | 2.1    | 2.1    | 1.7    | 1.7    | 1.3    | 1.3    |
| 87.5° | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 0.8    |
| 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: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1445.4 | 1450.8 | 1461.4 | 1472.3 | 1460.1 | 1503.8 | 1500.5 | 1515.2 | 1523.2 | 1527.0 | 1535.8 |
| 5°    | 1574.1 | 1598.5 | 1606.5 | 1582.5 | 1568.6 | 1554.3 | 1521.9 | 1497.5 | 1500.5 | 1492.5 | 1463.5 |
| 7.5°  | 1571.6 | 1519.4 | 1449.2 | 1417.2 | 1414.7 | 1410.9 | 1421.0 | 1426.9 | 1427.7 | 1427.3 | 1426.4 |
| 10°   | 1438.6 | 1411.7 | 1407.1 | 1402.9 | 1404.6 | 1389.0 | 1381.9 | 1361.7 | 1372.6 | 1366.7 | 1368.8 |
| 12.5° | 1398.3 | 1392.0 | 1367.1 | 1332.6 | 1353.3 | 1337.7 | 1328.9 | 1334.7 | 1328.0 | 1321.7 | 1319.6 |
| 15°   | 1374.3 | 1333.5 | 1319.6 | 1311.2 | 1305.3 | 1301.9 | 1304.9 | 1298.1 | 1296.0 | 1294.8 | 1297.7 |
| 17.5° | 1324.6 | 1308.2 | 1293.1 | 1270.8 | 1271.2 | 1270.0 | 1278.4 | 1291.0 | 1291.8 | 1227.1 | 1168.6 |
| 20°   | 1285.5 | 1272.1 | 1252.7 | 1238.8 | 1257.8 | 1224.1 | 1094.1 | 1032.3 | 1022.6 | 1022.6 | 1024.3 |
| 22.5° | 1254.4 | 1224.5 | 1225.8 | 1203.9 | 1026.8 | 990.6  | 991.5  | 995.3  | 978.0  | 919.1  | 912.8  |
| 25°   | 1211.9 | 1207.3 | 1115.2 | 963.7  | 965.0  | 936.8  | 893.5  | 832.5  | 766.4  | 766.4  | 755.5  |
| 27.5° | 1179.9 | 1081.9 | 947.3  | 941.0  | 846.4  | 786.6  | 749.6  | 693.7  | 686.1  | 678.9  | 679.8  |
| 30°   | 1152.6 | 915.3  | 918.7  | 786.6  | 716.8  | 667.2  | 664.2  | 655.0  | 650.3  | 649.1  | 644.4  |
| 32.5° | 911.1  | 891.4  | 769.0  | 669.7  | 642.3  | 634.3  | 630.6  | 620.0  | 619.6  | 611.6  | 556.1  |
| 35°   | 854.4  | 782.4  | 643.6  | 616.7  | 608.7  | 601.1  | 594.8  | 399.2  | 47.1   | 18.9   | 16.4   |
| 37.5° | 789.6  | 653.7  | 595.2  | 583.0  | 575.5  | 425.3  | 42.5   | 14.7   | 10.5   | 7.6    | 6.7    |
| 40°   | 669.3  | 583.9  | 565.4  | 551.9  | 227.6  | 14.7   | 9.3    | 7.2    | 4.2    | 3.8    | 3.4    |
| 42.5° | 564.5  | 550.2  | 530.4  | 161.5  | 16.8   | 7.2    | 4.6    | 3.4    | 2.9    | 2.9    | 2.5    |
| 45°   | 528.3  | 515.7  | 213.7  | 16.0   | 10.5   | 3.4    | 2.9    | 2.9    | 2.5    | 1.7    | 1.7    |
| 47.5° | 494.7  | 435.4  | 19.4   | 10.1   | 6.7    | 2.9    | 2.5    | 1.7    | 1.7    | 1.7    | 1.3    |
| 50°   | 458.9  | 24.0   | 13.5   | 7.6    | 4.2    | 1.7    | 1.7    | 1.7    | 1.7    | 1.3    | 1.3    |
| 52.5° | 85.8   | 16.8   | 10.9   | 6.7    | 2.1    | 1.7    | 1.7    | 1.7    | 1.3    | 1.3    | 1.3    |
| 55°   | 20.2   | 13.5   | 10.1   | 5.9    | 1.7    | 1.7    | 1.7    | 1.3    | 1.3    | 1.3    | 0.8    |
| 57.5° | 15.1   | 10.1   | 8.0    | 5.5    | 1.7    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 0.8    |
| 60°   | 12.6   | 7.2    | 6.3    | 5.0    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 0.8    |
| 62.5° | 8.8    | 5.9    | 4.6    | 3.8    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 65°   | 7.2    | 4.6    | 3.8    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 67.5° | 6.3    | 3.8    | 2.5    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 70°   | 5.0    | 1.3    | 1.3    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 72.5° | 4.2    | 1.3    | 0.8    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 75°   | 4.2    | 2.1    | 0.8    | 0.8    | 1.3    | 1.3    | 1.7    | 1.7    | 1.3    | 1.3    | 1.3    |
| 77.5° | 2.9    | 2.1    | 0.8    | 0.8    | 1.3    | 1.3    | 1.7    | 1.7    | 1.3    | 1.3    | 1.3    |
| 80°   | 1.7    | 2.1    | 0.8    | 1.3    | 1.3    | 2.5    | 2.9    | 1.7    | 1.3    | 1.3    | 1.3    |
| 82.5° | 1.7    | 2.1    | 2.5    | 2.5    | 1.3    | 2.1    | 2.5    | 2.1    | 1.7    | 1.3    | 1.3    |
| 85°   | 1.7    | 1.3    | 1.7    | 2.1    | 1.3    | 2.1    | 2.1    | 1.7    | 1.7    | 1.3    | 1.3    |
| 87.5° | 0.8    | 1.3    | 1.3    | 1.7    | 1.7    | 1.7    | 2.1    | 1.7    | 1.7    | 1.7    | 1.3    |
| 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: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 85°    | 90°    | 95°    | 100°   | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1540.0 | 1541.7 | 1515.2 | 1505.9 | 1513.9 | 1512.3 | 1505.1 | 1478.6 | 1475.7 | 1458.0 | 1432.3 |
| 5°    | 1471.9 | 1483.2 | 1469.4 | 1493.3 | 1482.0 | 1493.3 | 1527.8 | 1543.8 | 1569.9 | 1585.9 | 1591.8 |
| 7.5°  | 1424.3 | 1426.9 | 1426.9 | 1429.0 | 1431.1 | 1431.5 | 1429.0 | 1427.3 | 1420.1 | 1411.3 | 1427.3 |
| 10°   | 1366.7 | 1369.7 | 1374.7 | 1373.9 | 1373.4 | 1382.3 | 1384.4 | 1402.5 | 1401.6 | 1405.0 | 1417.2 |
| 12.5° | 1336.8 | 1314.1 | 1334.7 | 1329.3 | 1336.8 | 1325.1 | 1346.9 | 1343.2 | 1344.4 | 1354.5 | 1380.6 |
| 15°   | 1287.2 | 1294.4 | 1299.4 | 1299.4 | 1302.4 | 1299.8 | 1297.3 | 1314.6 | 1325.1 | 1325.5 | 1323.8 |
| 17.5° | 1191.7 | 1137.5 | 1193.0 | 1178.7 | 1292.7 | 1295.6 | 1285.9 | 1278.0 | 1278.0 | 1284.3 | 1297.7 |
| 20°   | 1023.0 | 1024.3 | 1024.7 | 1030.2 | 1036.9 | 1036.5 | 1036.9 | 1202.7 | 1281.3 | 1263.2 | 1251.0 |
| 22.5° | 896.8  | 881.3  | 910.3  | 908.2  | 944.4  | 984.3  | 1022.6 | 1018.8 | 1021.4 | 1138.3 | 1243.5 |
| 25°   | 718.9  | 739.1  | 722.7  | 729.8  | 770.6  | 818.2  | 847.6  | 924.6  | 1008.3 | 1002.4 | 1029.8 |
| 27.5° | 676.8  | 671.4  | 678.9  | 678.9  | 684.4  | 690.7  | 707.1  | 750.5  | 824.9  | 903.1  | 977.2  |
| 30°   | 636.9  | 641.5  | 642.3  | 649.9  | 654.1  | 658.3  | 660.9  | 677.3  | 694.1  | 748.3  | 839.6  |
| 32.5° | 478.3  | 419.4  | 551.9  | 587.7  | 617.9  | 625.1  | 630.1  | 636.9  | 649.1  | 657.1  | 702.9  |
| 35°   | 13.9   | 13.9   | 14.7   | 16.8   | 21.5   | 144.7  | 551.1  | 607.4  | 615.4  | 625.5  | 633.9  |
| 37.5° | 6.7    | 5.0    | 5.9    | 6.3    | 7.6    | 10.5   | 15.1   | 47.1   | 524.6  | 593.1  | 602.4  |
| 40°   | 2.9    | 2.9    | 2.9    | 2.9    | 3.4    | 4.2    | 6.3    | 10.5   | 16.0   | 421.9  | 569.1  |
| 42.5° | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 2.9    | 3.8    | 7.6    | 18.1   | 298.7  |
| 45°   | 1.7    | 1.7    | 1.3    | 1.7    | 1.7    | 2.1    | 2.5    | 2.5    | 3.4    | 11.4   | 20.6   |
| 47.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 2.1    | 2.5    | 7.6    | 10.9   |
| 50°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 5.9    | 7.6    |
| 52.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 2.5    | 6.7    |
| 55°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 1.3    | 1.3    | 1.7    | 5.9    |
| 57.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 1.3    | 0.8    | 0.8    | 1.3    | 1.3    | 5.5    |
| 60°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 5.0    |
| 62.5° | 1.3    | 1.3    | 0.8    | 1.3    | 0.8    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    | 3.4    |
| 65°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 0.8    | 1.3    |
| 67.5° | 1.3    | 1.3    | 1.3    | 1.3    | 0.8    | 1.3    | 0.8    | 1.3    | 1.3    | 0.8    | 0.8    |
| 70°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 0.8    | 0.8    | 0.8    | 0.8    |
| 72.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 0.8    | 0.8    | 0.8    | 0.8    |
| 75°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    | 1.7    | 0.8    | 0.8    | 0.8    |
| 77.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 2.1    | 2.5    | 2.1    | 2.1    | 0.8    |
| 80°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 2.1    | 2.1    | 2.1    | 2.1    | 2.9    |
| 82.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    | 1.7    | 1.7    | 1.7    | 2.1    |
| 85°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    | 1.7    | 1.7    | 1.3    | 1.7    |
| 87.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    | 1.3    | 1.3    | 1.3    |
| 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: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 140°   | 145°   | 150°   | 155°   | 160°   | 161°   | 162°   | 163°   | 164°   | 165°   | 166°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1434.4 | 1420.1 | 1415.5 | 1405.8 | 1405.0 | 1405.8 | 1403.7 | 1400.8 | 1402.5 | 1399.5 | 1397.0 |
| 5°    | 1595.1 | 1556.8 | 1532.0 | 1498.8 | 1452.9 | 1442.9 | 1440.3 | 1426.0 | 1421.0 | 1419.3 | 1412.6 |
| 7.5°  | 1465.1 | 1535.0 | 1577.0 | 1591.3 | 1537.5 | 1524.9 | 1510.2 | 1498.4 | 1487.0 | 1465.6 | 1452.5 |
| 10°   | 1407.5 | 1410.9 | 1451.3 | 1498.4 | 1574.9 | 1585.5 | 1593.4 | 1567.8 | 1560.6 | 1505.9 | 1494.2 |
| 12.5° | 1394.1 | 1394.5 | 1399.1 | 1427.7 | 1487.9 | 1494.6 | 1522.8 | 1537.9 | 1556.4 | 1566.9 | 1558.5 |
| 15°   | 1332.6 | 1366.7 | 1392.0 | 1394.5 | 1399.9 | 1411.7 | 1420.1 | 1472.7 | 1495.0 | 1554.7 | 1551.4 |
| 17.5° | 1304.0 | 1315.0 | 1351.6 | 1381.4 | 1376.4 | 1372.2 | 1378.9 | 1386.1 | 1407.5 | 1467.2 | 1466.4 |
| 20°   | 1256.5 | 1291.4 | 1311.2 | 1342.3 | 1370.5 | 1371.8 | 1364.2 | 1360.0 | 1351.6 | 1361.2 | 1370.1 |
| 22.5° | 1236.3 | 1241.8 | 1278.8 | 1300.7 | 1332.6 | 1344.0 | 1345.7 | 1346.1 | 1341.5 | 1336.4 | 1333.9 |
| 25°   | 1234.2 | 1217.0 | 1235.9 | 1263.2 | 1286.8 | 1299.0 | 1312.9 | 1317.5 | 1315.8 | 1315.8 | 1313.3 |
| 27.5° | 1010.0 | 1211.5 | 1201.4 | 1219.5 | 1248.1 | 1256.5 | 1263.7 | 1278.0 | 1286.8 | 1293.1 | 1296.0 |
| 30°   | 962.0  | 998.2  | 1174.5 | 1177.0 | 1206.0 | 1205.2 | 1213.2 | 1225.0 | 1236.3 | 1251.0 | 1254.8 |
| 32.5° | 851.0  | 939.7  | 1075.2 | 1134.5 | 1164.8 | 1167.7 | 1171.9 | 1175.3 | 1185.8 | 1202.2 | 1216.5 |
| 35°   | 681.9  | 856.0  | 921.2  | 1114.3 | 1119.8 | 1125.7 | 1128.2 | 1136.2 | 1139.6 | 1146.3 | 1158.9 |
| 37.5° | 617.1  | 707.5  | 883.8  | 963.7  | 1068.0 | 1073.1 | 1086.6 | 1089.9 | 1095.4 | 1100.9 | 1110.5 |
| 40°   | 579.7  | 604.5  | 735.7  | 860.7  | 1026.4 | 1029.8 | 1034.4 | 1042.8 | 1043.2 | 1049.5 | 1058.4 |
| 42.5° | 549.8  | 565.8  | 604.1  | 822.0  | 997.0  | 996.5  | 985.6  | 991.1  | 993.6  | 1000.3 | 1012.5 |
| 45°   | 439.2  | 530.9  | 555.3  | 671.4  | 793.8  | 851.0  | 960.8  | 942.7  | 942.3  | 944.8  | 957.8  |
| 47.5° | 22.3   | 499.3  | 516.6  | 554.0  | 749.6  | 751.7  | 766.0  | 886.3  | 904.8  | 898.9  | 900.2  |
| 50°   | 15.1   | 34.5   | 481.2  | 498.5  | 646.1  | 698.3  | 708.8  | 714.3  | 783.7  | 861.1  | 848.5  |
| 52.5° | 11.8   | 19.8   | 294.9  | 462.7  | 525.0  | 563.3  | 631.0  | 669.7  | 673.9  | 705.0  | 810.6  |
| 55°   | 10.5   | 15.1   | 32.0   | 427.0  | 446.3  | 454.7  | 494.3  | 562.0  | 616.7  | 633.1  | 634.3  |
| 57.5° | 9.3    | 13.9   | 21.9   | 193.1  | 405.9  | 407.6  | 414.3  | 437.9  | 487.1  | 532.1  | 583.0  |
| 60°   | 8.4    | 12.2   | 17.2   | 33.2   | 368.9  | 373.1  | 374.4  | 380.7  | 386.6  | 417.3  | 475.8  |
| 62.5° | 5.0    | 9.7    | 15.1   | 24.0   | 291.9  | 335.3  | 334.8  | 339.0  | 344.5  | 347.9  | 359.7  |
| 65°   | 4.2    | 7.6    | 13.0   | 20.2   | 35.8   | 44.6   | 270.9  | 301.2  | 304.6  | 309.2  | 311.3  |
| 67.5° | 3.8    | 6.7    | 9.7    | 16.0   | 26.9   | 30.7   | 35.3   | 43.7   | 238.9  | 269.2  | 273.4  |
| 70°   | 3.4    | 4.6    | 8.0    | 13.5   | 21.9   | 23.6   | 26.5   | 30.3   | 35.8   | 44.2   | 216.2  |
| 72.5° | 2.1    | 3.4    | 5.5    | 9.7    | 16.8   | 18.9   | 20.6   | 23.1   | 25.7   | 30.7   | 35.3   |
| 75°   | 0.8    | 2.5    | 4.6    | 7.2    | 13.0   | 14.3   | 15.6   | 17.2   | 19.4   | 22.7   | 25.2   |
| 77.5° | 0.8    | 2.1    | 3.8    | 5.0    | 8.4    | 9.7    | 11.4   | 12.6   | 14.3   | 16.0   | 18.5   |
| 80°   | 2.9    | 1.7    | 2.5    | 3.8    | 5.9    | 6.3    | 7.2    | 8.0    | 9.3    | 10.5   | 12.2   |
| 82.5° | 2.1    | 2.5    | 2.9    | 2.5    | 2.9    | 3.8    | 4.2    | 5.0    | 5.5    | 6.3    | 6.7    |
| 85°   | 1.7    | 1.7    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.5    | 2.9    | 3.8    |
| 87.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    | 1.7    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 167°   | 168°   | 169°   | 170°   | 171°   | 172°   | 173°   | 174°   | 175°   | 176°   | 177°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1397.0 | 1396.2 | 1393.6 | 1393.6 | 1393.2 | 1394.9 | 1396.2 | 1397.4 | 1397.0 | 1399.5 | 1397.0 |
| 5°    | 1407.5 | 1405.4 | 1401.6 | 1398.3 | 1397.0 | 1397.8 | 1396.6 | 1397.8 | 1396.2 | 1398.3 | 1394.5 |
| 7.5°  | 1436.5 | 1429.4 | 1414.7 | 1408.8 | 1401.2 | 1400.8 | 1397.0 | 1396.2 | 1393.6 | 1393.6 | 1389.0 |
| 10°   | 1487.9 | 1453.4 | 1449.2 | 1431.5 | 1425.2 | 1394.5 | 1401.2 | 1389.8 | 1388.6 | 1383.1 | 1381.0 |
| 12.5° | 1529.9 | 1503.0 | 1495.0 | 1479.4 | 1461.8 | 1399.5 | 1413.4 | 1389.0 | 1387.7 | 1376.8 | 1365.5 |
| 15°   | 1530.8 | 1546.3 | 1524.5 | 1481.6 | 1477.8 | 1434.9 | 1406.7 | 1398.3 | 1387.3 | 1354.5 | 1360.0 |
| 17.5° | 1481.6 | 1517.3 | 1527.8 | 1518.6 | 1491.6 | 1462.6 | 1423.1 | 1406.3 | 1373.4 | 1358.7 | 1348.6 |
| 20°   | 1401.6 | 1437.8 | 1482.8 | 1485.8 | 1502.6 | 1482.0 | 1430.2 | 1402.9 | 1363.3 | 1337.7 | 1329.3 |
| 22.5° | 1338.1 | 1364.6 | 1416.3 | 1440.3 | 1460.9 | 1468.1 | 1435.3 | 1394.9 | 1345.7 | 1320.9 | 1315.8 |
| 25°   | 1304.5 | 1310.3 | 1325.9 | 1354.1 | 1399.5 | 1432.3 | 1437.0 | 1394.1 | 1368.4 | 1314.1 | 1285.5 |
| 27.5° | 1292.3 | 1287.2 | 1280.9 | 1295.2 | 1329.3 | 1369.2 | 1395.7 | 1402.9 | 1338.9 | 1287.2 | 1258.6 |
| 30°   | 1261.1 | 1264.1 | 1254.4 | 1249.3 | 1271.6 | 1312.9 | 1360.0 | 1371.8 | 1322.5 | 1269.1 | 1236.3 |
| 32.5° | 1222.8 | 1227.9 | 1229.6 | 1220.7 | 1216.1 | 1244.7 | 1295.6 | 1323.8 | 1321.3 | 1243.5 | 1206.9 |
| 35°   | 1174.9 | 1189.2 | 1193.0 | 1193.4 | 1185.8 | 1181.2 | 1210.6 | 1269.1 | 1291.4 | 1231.7 | 1178.7 |
| 37.5° | 1124.4 | 1128.6 | 1149.2 | 1154.7 | 1154.7 | 1140.8 | 1162.7 | 1209.4 | 1240.5 | 1205.2 | 1144.2 |
| 40°   | 1061.3 | 1074.8 | 1094.1 | 1103.8 | 1113.5 | 1114.7 | 1102.5 | 1135.4 | 1186.7 | 1177.8 | 1111.8 |
| 42.5° | 1015.5 | 1024.3 | 1036.1 | 1049.1 | 1068.9 | 1073.9 | 1061.3 | 1067.2 | 1120.6 | 1143.8 | 1069.7 |
| 45°   | 962.0  | 973.8  | 977.2  | 991.5  | 1012.1 | 1026.8 | 1026.4 | 1014.2 | 1057.1 | 1085.7 | 1039.0 |
| 47.5° | 907.4  | 918.7  | 924.6  | 931.8  | 946.9  | 965.8  | 976.3  | 970.9  | 979.3  | 1035.2 | 998.2  |
| 50°   | 851.0  | 857.3  | 869.1  | 877.1  | 887.2  | 898.1  | 923.3  | 928.4  | 916.6  | 961.2  | 953.2  |
| 52.5° | 797.6  | 799.7  | 807.7  | 815.7  | 829.1  | 837.1  | 857.3  | 872.4  | 871.6  | 884.6  | 903.1  |
| 55°   | 755.9  | 746.7  | 748.3  | 754.7  | 763.5  | 775.7  | 787.0  | 810.6  | 818.6  | 821.1  | 850.6  |
| 57.5° | 590.6  | 685.7  | 694.1  | 693.7  | 704.2  | 709.6  | 720.2  | 735.7  | 764.3  | 758.0  | 790.8  |
| 60°   | 536.8  | 547.3  | 626.8  | 636.0  | 639.8  | 644.9  | 657.5  | 671.8  | 692.8  | 706.3  | 720.6  |
| 62.5° | 409.3  | 473.2  | 497.2  | 567.5  | 578.4  | 581.3  | 589.8  | 596.5  | 618.4  | 649.1  | 643.2  |
| 65°   | 316.8  | 344.1  | 417.3  | 445.9  | 505.6  | 513.2  | 525.0  | 532.1  | 538.4  | 573.8  | 575.5  |
| 67.5° | 273.8  | 278.1  | 297.8  | 352.9  | 390.8  | 449.3  | 456.4  | 462.7  | 472.4  | 497.6  | 513.2  |
| 70°   | 233.9  | 238.9  | 244.4  | 249.0  | 298.2  | 336.9  | 391.2  | 393.3  | 399.6  | 416.4  | 451.8  |
| 72.5° | 44.2   | 199.8  | 203.2  | 206.1  | 211.6  | 237.3  | 289.0  | 331.1  | 333.6  | 341.6  | 374.0  |
| 75°   | 29.9   | 34.9   | 48.0   | 164.9  | 170.4  | 172.0  | 180.9  | 233.5  | 272.2  | 273.8  | 288.1  |
| 77.5° | 21.5   | 24.0   | 29.0   | 34.5   | 87.9   | 132.1  | 134.2  | 143.9  | 183.8  | 212.9  | 215.4  |
| 80°   | 14.7   | 16.4   | 19.4   | 21.9   | 26.9   | 35.3   | 97.6   | 100.5  | 105.6  | 145.5  | 153.1  |
| 82.5° | 8.4    | 9.7    | 11.4   | 13.9   | 16.0   | 20.2   | 26.1   | 33.7   | 68.6   | 73.2   | 97.2   |
| 85°   | 4.2    | 4.6    | 5.5    | 6.7    | 8.0    | 9.7    | 13.0   | 16.0   | 21.9   | 39.5   | 40.8   |
| 87.5° | 2.1    | 2.1    | 2.1    | 2.1    | 3.4    | 3.8    | 4.6    | 5.9    | 7.6    | 11.4   | 14.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 178°   | 179°   | 180°   | 181°   | 182°   | 183°   | 184°   | 185°   | 186°   | 187°   | 188°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1397.4 | 1403.3 | 1408.4 | 1409.6 | 1409.6 | 1410.5 | 1411.7 | 1412.6 | 1413.4 | 1414.2 | 1413.4 |
| 5°    | 1394.9 | 1401.2 | 1405.4 | 1406.7 | 1406.7 | 1409.2 | 1411.3 | 1413.8 | 1415.1 | 1415.1 | 1414.2 |
| 7.5°  | 1388.6 | 1393.2 | 1398.7 | 1402.0 | 1402.5 | 1406.7 | 1410.5 | 1410.0 | 1411.7 | 1412.6 | 1414.7 |
| 10°   | 1380.2 | 1380.2 | 1389.4 | 1392.0 | 1394.1 | 1398.7 | 1399.9 | 1402.5 | 1408.4 | 1409.2 | 1414.7 |
| 12.5° | 1376.0 | 1371.8 | 1382.7 | 1384.0 | 1391.1 | 1385.2 | 1392.8 | 1395.3 | 1389.4 | 1397.4 | 1386.9 |
| 15°   | 1357.0 | 1362.1 | 1360.4 | 1364.2 | 1376.8 | 1370.1 | 1390.7 | 1384.0 | 1399.1 | 1381.0 | 1413.0 |
| 17.5° | 1341.5 | 1340.6 | 1347.4 | 1350.7 | 1353.3 | 1367.6 | 1373.0 | 1380.6 | 1386.5 | 1381.4 | 1394.1 |
| 20°   | 1330.1 | 1323.4 | 1328.4 | 1332.2 | 1341.1 | 1352.0 | 1355.4 | 1344.0 | 1363.8 | 1397.4 | 1405.4 |
| 22.5° | 1308.7 | 1304.0 | 1309.9 | 1309.9 | 1323.4 | 1321.7 | 1334.3 | 1327.2 | 1345.7 | 1384.8 | 1425.6 |
| 25°   | 1279.6 | 1280.1 | 1286.4 | 1293.9 | 1296.5 | 1315.4 | 1322.1 | 1331.4 | 1354.5 | 1401.2 | 1426.0 |
| 27.5° | 1250.2 | 1247.7 | 1251.5 | 1267.0 | 1280.1 | 1293.9 | 1296.0 | 1327.6 | 1359.1 | 1391.1 | 1413.0 |
| 30°   | 1220.7 | 1218.2 | 1220.7 | 1232.1 | 1247.7 | 1256.9 | 1280.1 | 1322.1 | 1351.6 | 1373.4 | 1394.1 |
| 32.5° | 1189.2 | 1186.7 | 1192.6 | 1201.0 | 1228.3 | 1229.6 | 1275.4 | 1315.0 | 1338.1 | 1354.1 | 1350.3 |
| 35°   | 1155.5 | 1152.2 | 1157.6 | 1170.7 | 1195.9 | 1205.2 | 1253.1 | 1282.6 | 1308.7 | 1316.2 | 1298.6 |
| 37.5° | 1115.2 | 1109.3 | 1116.0 | 1134.1 | 1160.6 | 1187.5 | 1227.5 | 1261.5 | 1275.4 | 1255.2 | 1234.2 |
| 40°   | 1073.1 | 1068.9 | 1080.7 | 1089.9 | 1121.0 | 1158.5 | 1204.3 | 1228.3 | 1219.5 | 1196.3 | 1173.2 |
| 42.5° | 1035.7 | 1026.8 | 1037.3 | 1055.0 | 1090.3 | 1132.8 | 1169.8 | 1183.3 | 1162.3 | 1128.2 | 1101.3 |
| 45°   | 989.8  | 979.3  | 991.9  | 1015.5 | 1053.3 | 1101.7 | 1130.7 | 1126.1 | 1090.3 | 1060.9 | 1023.9 |
| 47.5° | 941.8  | 929.2  | 941.8  | 970.0  | 1012.5 | 1063.8 | 1084.9 | 1063.8 | 1018.8 | 981.8  | 951.9  |
| 50°   | 894.7  | 880.0  | 892.2  | 934.7  | 976.3  | 1015.9 | 1015.5 | 974.7  | 947.7  | 907.4  | 881.3  |
| 52.5° | 848.0  | 827.0  | 839.2  | 885.5  | 927.1  | 972.1  | 938.9  | 901.0  | 868.7  | 833.3  | 824.9  |
| 55°   | 790.4  | 767.7  | 784.1  | 851.4  | 883.4  | 909.9  | 856.9  | 823.6  | 791.7  | 774.0  | 763.5  |
| 57.5° | 735.7  | 710.9  | 725.2  | 804.7  | 828.3  | 835.0  | 786.2  | 739.1  | 720.2  | 714.3  | 699.1  |
| 60°   | 679.4  | 651.2  | 664.6  | 756.3  | 772.7  | 745.4  | 697.4  | 660.9  | 657.1  | 645.3  | 633.5  |
| 62.5° | 625.5  | 594.4  | 602.8  | 696.2  | 703.8  | 654.1  | 610.0  | 600.3  | 591.0  | 579.2  | 572.9  |
| 65°   | 563.7  | 531.3  | 543.1  | 632.2  | 625.1  | 561.2  | 536.3  | 534.2  | 522.0  | 512.4  | 521.6  |
| 67.5° | 506.9  | 468.6  | 485.0  | 562.4  | 530.0  | 477.9  | 467.8  | 462.7  | 453.0  | 458.5  | 361.3  |
| 70°   | 444.6  | 403.0  | 425.3  | 487.1  | 439.2  | 404.7  | 400.9  | 393.3  | 393.7  | 313.0  | 263.8  |
| 72.5° | 375.2  | 339.0  | 371.4  | 404.7  | 347.5  | 337.4  | 331.9  | 331.1  | 267.1  | 217.1  | 204.9  |
| 75°   | 314.2  | 277.6  | 312.5  | 325.2  | 276.8  | 270.1  | 269.6  | 222.9  | 175.4  | 167.4  | 163.6  |
| 77.5° | 245.2  | 217.1  | 250.3  | 231.4  | 212.4  | 204.9  | 183.8  | 138.0  | 132.1  | 126.6  | 47.5   |
| 80°   | 165.3  | 167.4  | 186.8  | 159.4  | 151.4  | 129.1  | 101.8  | 97.6   | 84.1   | 33.7   | 26.5   |
| 82.5° | 100.5  | 126.2  | 119.0  | 99.7   | 97.6   | 70.2   | 64.4   | 32.8   | 24.4   | 19.4   | 16.8   |
| 85°   | 52.2   | 63.9   | 61.4   | 54.3   | 40.4   | 36.2   | 20.2   | 15.6   | 12.6   | 9.7    | 8.0    |
| 87.5° | 17.7   | 23.6   | 22.7   | 18.1   | 13.9   | 10.9   | 7.2    | 5.9    | 4.2    | 3.4    | 2.9    |
| 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: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 189°   | 190°   | 191°   | 192°   | 193°   | 194°   | 195°   | 196°   | 197°   | 198°   | 199°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1412.6 | 1412.6 | 1411.7 | 1412.6 | 1413.0 | 1412.1 | 1412.1 | 1413.0 | 1413.4 | 1413.8 | 1415.9 |
| 5°    | 1414.7 | 1415.5 | 1416.8 | 1419.3 | 1419.7 | 1424.8 | 1426.9 | 1428.1 | 1429.4 | 1429.8 | 1426.9 |
| 7.5°  | 1419.3 | 1422.2 | 1424.8 | 1424.3 | 1421.4 | 1413.4 | 1410.9 | 1408.8 | 1412.6 | 1422.2 | 1433.6 |
| 10°   | 1423.5 | 1410.0 | 1384.8 | 1419.3 | 1408.8 | 1418.5 | 1447.1 | 1453.4 | 1472.7 | 1500.1 | 1508.1 |
| 12.5° | 1394.5 | 1431.5 | 1439.5 | 1400.8 | 1472.3 | 1445.8 | 1477.3 | 1505.1 | 1513.1 | 1540.9 | 1524.0 |
| 15°   | 1425.6 | 1443.7 | 1455.9 | 1494.6 | 1490.4 | 1513.1 | 1521.9 | 1516.5 | 1517.7 | 1524.9 | 1543.8 |
| 17.5° | 1425.2 | 1461.4 | 1469.4 | 1495.4 | 1513.1 | 1513.5 | 1511.0 | 1508.5 | 1515.2 | 1520.7 | 1509.3 |
| 20°   | 1449.6 | 1461.4 | 1476.9 | 1487.4 | 1490.8 | 1495.0 | 1503.0 | 1496.7 | 1484.1 | 1471.9 | 1466.8 |
| 22.5° | 1437.4 | 1463.9 | 1477.3 | 1479.0 | 1476.9 | 1463.9 | 1452.1 | 1434.4 | 1428.5 | 1422.2 | 1424.3 |
| 25°   | 1439.9 | 1452.1 | 1450.4 | 1443.7 | 1434.9 | 1410.5 | 1404.6 | 1397.0 | 1385.6 | 1358.3 | 1333.5 |
| 27.5° | 1421.8 | 1415.5 | 1407.9 | 1391.5 | 1375.5 | 1362.5 | 1347.8 | 1323.4 | 1303.2 | 1273.7 | 1262.8 |
| 30°   | 1391.5 | 1366.3 | 1347.8 | 1338.1 | 1322.5 | 1300.7 | 1278.4 | 1248.5 | 1222.8 | 1217.0 | 1211.5 |
| 32.5° | 1333.5 | 1308.7 | 1293.5 | 1270.0 | 1243.5 | 1217.4 | 1191.7 | 1179.9 | 1174.5 | 1175.3 | 1170.3 |
| 35°   | 1274.2 | 1252.3 | 1229.6 | 1194.2 | 1174.5 | 1148.4 | 1139.1 | 1136.6 | 1131.6 | 1126.1 | 1120.2 |
| 37.5° | 1211.1 | 1185.4 | 1151.3 | 1130.3 | 1110.5 | 1100.0 | 1095.4 | 1091.6 | 1082.8 | 1073.1 | 1066.4 |
| 40°   | 1150.1 | 1103.8 | 1084.9 | 1064.3 | 1058.4 | 1053.7 | 1047.0 | 1037.8 | 1025.6 | 1023.9 | 1020.9 |
| 42.5° | 1068.5 | 1035.2 | 1018.8 | 1014.6 | 1007.5 | 999.5  | 993.6  | 983.5  | 978.4  | 981.8  | 984.3  |
| 45°   | 991.1  | 974.2  | 968.8  | 963.7  | 950.3  | 938.9  | 935.1  | 931.8  | 936.0  | 954.5  | 910.3  |
| 47.5° | 928.4  | 921.7  | 914.9  | 906.5  | 893.9  | 885.5  | 889.3  | 892.6  | 896.4  | 760.5  | 694.1  |
| 50°   | 874.1  | 864.9  | 854.4  | 845.1  | 837.5  | 836.7  | 856.5  | 797.1  | 667.6  | 664.2  | 596.9  |
| 52.5° | 814.8  | 800.9  | 794.6  | 789.2  | 792.5  | 805.1  | 666.3  | 618.4  | 593.1  | 515.3  | 480.8  |
| 55°   | 750.9  | 738.7  | 738.7  | 743.7  | 725.6  | 588.1  | 580.9  | 502.3  | 454.7  | 441.3  | 435.8  |
| 57.5° | 686.9  | 685.7  | 692.8  | 633.5  | 533.8  | 511.9  | 430.3  | 413.1  | 405.5  | 403.8  | 395.0  |
| 60°   | 628.5  | 640.2  | 535.9  | 493.0  | 428.6  | 386.6  | 374.8  | 372.7  | 364.7  | 361.8  | 353.8  |
| 62.5° | 581.8  | 482.5  | 449.3  | 366.8  | 345.4  | 339.9  | 333.6  | 330.6  | 323.5  | 285.6  | 83.7   |
| 65°   | 420.2  | 397.1  | 322.2  | 308.3  | 306.7  | 298.7  | 296.1  | 266.3  | 62.7   | 42.1   | 35.8   |
| 67.5° | 317.2  | 281.4  | 271.7  | 269.2  | 261.2  | 245.2  | 72.8   | 41.6   | 35.8   | 31.1   | 27.3   |
| 70°   | 243.6  | 237.3  | 230.1  | 224.2  | 66.0   | 41.2   | 35.8   | 30.3   | 26.1   | 23.1   | 21.0   |
| 72.5° | 199.4  | 195.2  | 113.6  | 43.3   | 35.3   | 29.9   | 26.5   | 23.1   | 20.2   | 18.5   | 16.8   |
| 75°   | 156.1  | 43.3   | 35.8   | 29.9   | 25.7   | 21.9   | 19.4   | 17.2   | 15.6   | 14.3   | 13.0   |
| 77.5° | 35.3   | 28.6   | 24.4   | 20.6   | 18.5   | 16.4   | 14.7   | 12.6   | 11.4   | 10.1   | 8.4    |
| 80°   | 21.9   | 18.9   | 16.0   | 14.7   | 12.6   | 10.5   | 9.3    | 8.4    | 6.7    | 6.3    | 5.5    |
| 82.5° | 14.3   | 11.4   | 10.1   | 8.4    | 6.7    | 6.3    | 5.5    | 4.2    | 3.8    | 3.4    | 2.9    |
| 85°   | 6.3    | 5.5    | 4.6    | 3.8    | 2.9    | 2.5    | 2.1    | 1.7    | 1.7    | 1.7    | 1.7    |
| 87.5° | 2.1    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 0.8    | 0.8    |
| 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: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 200°   | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1416.8 | 1424.3 | 1431.5 | 1429.4 | 1421.8 | 1410.0 | 1406.7 | 1402.0 | 1405.4 | 1412.6 | 1415.5 |
| 5°    | 1426.9 | 1422.7 | 1437.8 | 1460.1 | 1496.3 | 1499.6 | 1524.9 | 1530.8 | 1551.0 | 1563.6 | 1563.2 |
| 7.5°  | 1441.2 | 1500.9 | 1525.7 | 1552.6 | 1564.8 | 1561.9 | 1565.7 | 1562.7 | 1558.1 | 1556.0 | 1553.5 |
| 10°   | 1513.9 | 1559.4 | 1568.6 | 1568.6 | 1549.7 | 1524.0 | 1513.1 | 1494.2 | 1456.3 | 1457.2 | 1450.8 |
| 12.5° | 1556.4 | 1572.4 | 1550.5 | 1532.0 | 1455.9 | 1426.4 | 1394.5 | 1379.3 | 1370.5 | 1357.0 | 1362.1 |
| 15°   | 1534.1 | 1511.4 | 1498.4 | 1438.6 | 1392.0 | 1338.9 | 1339.8 | 1330.5 | 1320.9 | 1321.7 | 1315.4 |
| 17.5° | 1501.3 | 1483.2 | 1390.7 | 1349.5 | 1326.7 | 1306.1 | 1302.4 | 1290.2 | 1283.8 | 1281.7 | 1281.3 |
| 20°   | 1456.3 | 1391.1 | 1322.1 | 1312.0 | 1284.7 | 1261.1 | 1257.3 | 1261.1 | 1280.5 | 1246.0 | 1129.0 |
| 22.5° | 1403.7 | 1309.9 | 1289.7 | 1261.1 | 1242.6 | 1233.4 | 1256.5 | 1151.3 | 992.3  | 1011.7 | 991.1  |
| 25°   | 1314.6 | 1273.7 | 1239.3 | 1217.4 | 1215.3 | 1158.5 | 965.4  | 945.2  | 843.0  | 788.3  | 726.9  |
| 27.5° | 1249.3 | 1231.7 | 1195.5 | 1191.7 | 1164.4 | 947.3  | 846.8  | 735.7  | 694.9  | 688.6  | 675.2  |
| 30°   | 1209.8 | 1184.6 | 1162.7 | 1067.2 | 929.2  | 762.6  | 679.4  | 663.8  | 656.6  | 649.1  | 637.3  |
| 32.5° | 1162.3 | 1138.3 | 1148.8 | 897.3  | 740.8  | 656.6  | 639.8  | 628.5  | 615.4  | 610.4  | 567.9  |
| 35°   | 1113.9 | 1103.0 | 897.7  | 754.2  | 636.9  | 616.7  | 604.1  | 592.3  | 471.1  | 114.0  | 38.7   |
| 37.5° | 1062.2 | 1059.6 | 806.8  | 625.9  | 596.5  | 577.6  | 541.8  | 111.9  | 26.5   | 18.1   | 13.5   |
| 40°   | 1021.8 | 807.2  | 637.7  | 586.8  | 562.8  | 533.0  | 74.9   | 18.5   | 11.8   | 7.2    | 4.6    |
| 42.5° | 994.9  | 726.1  | 570.8  | 550.6  | 498.5  | 55.1   | 18.9   | 8.0    | 4.6    | 3.8    | 2.9    |
| 45°   | 766.9  | 573.4  | 533.4  | 512.4  | 63.1   | 18.9   | 10.9   | 3.8    | 2.9    | 2.5    | 1.7    |
| 47.5° | 707.5  | 520.8  | 497.2  | 111.9  | 21.0   | 10.1   | 7.6    | 2.5    | 1.7    | 1.7    | 1.7    |
| 50°   | 535.9  | 481.2  | 395.8  | 27.3   | 13.5   | 7.2    | 5.5    | 1.7    | 1.7    | 1.7    | 1.3    |
| 52.5° | 469.9  | 444.2  | 42.5   | 18.1   | 10.5   | 5.5    | 3.4    | 1.3    | 1.3    | 1.3    | 1.3    |
| 55°   | 429.5  | 281.8  | 25.2   | 13.9   | 8.8    | 5.0    | 2.1    | 1.3    | 1.3    | 1.3    | 0.8    |
| 57.5° | 392.9  | 37.9   | 18.5   | 11.8   | 8.0    | 4.6    | 1.3    | 1.3    | 1.3    | 1.3    | 0.8    |
| 60°   | 333.2  | 27.3   | 15.1   | 10.5   | 7.6    | 4.2    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 62.5° | 43.3   | 21.5   | 13.0   | 9.3    | 5.5    | 3.4    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    |
| 65°   | 31.5   | 16.8   | 11.8   | 6.3    | 3.4    | 1.3    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    |
| 67.5° | 24.4   | 13.9   | 8.8    | 5.5    | 2.9    | 0.8    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    |
| 70°   | 19.4   | 11.8   | 7.2    | 4.6    | 2.5    | 0.8    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    |
| 72.5° | 15.1   | 8.4    | 5.0    | 2.5    | 1.7    | 0.8    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    |
| 75°   | 11.4   | 6.7    | 3.8    | 2.1    | 0.8    | 0.8    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    |
| 77.5° | 7.6    | 4.2    | 2.9    | 1.7    | 1.7    | 1.7    | 2.1    | 2.1    | 1.3    | 1.3    | 1.3    |
| 80°   | 5.0    | 2.9    | 2.1    | 2.1    | 2.1    | 1.7    | 2.1    | 2.1    | 1.3    | 2.1    | 1.3    |
| 82.5° | 2.5    | 2.1    | 2.1    | 1.7    | 1.7    | 1.3    | 1.7    | 1.7    | 1.7    | 1.7    | 1.3    |
| 85°   | 1.7    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    | 1.7    | 1.3    |
| 87.5° | 0.8    | 0.8    | 0.8    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    | 1.7    | 1.3    |
| 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: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1411.7 | 1413.0 | 1409.6 | 1427.7 | 1418.5 | 1419.3 | 1423.1 | 1413.4 | 1415.5 | 1408.8 | 1404.2 |
| 5°    | 1564.8 | 1567.4 | 1569.9 | 1570.7 | 1572.4 | 1574.5 | 1572.0 | 1570.7 | 1568.2 | 1559.8 | 1551.0 |
| 7.5°  | 1540.9 | 1537.9 | 1536.7 | 1538.3 | 1541.3 | 1542.5 | 1540.4 | 1543.4 | 1554.3 | 1559.0 | 1561.9 |
| 10°   | 1414.7 | 1401.2 | 1410.5 | 1409.2 | 1398.7 | 1434.0 | 1424.3 | 1429.8 | 1433.6 | 1472.3 | 1495.9 |
| 12.5° | 1354.5 | 1362.9 | 1346.9 | 1338.9 | 1349.5 | 1356.6 | 1363.8 | 1348.6 | 1369.7 | 1360.0 | 1391.1 |
| 15°   | 1304.0 | 1299.0 | 1297.3 | 1297.7 | 1295.6 | 1305.7 | 1308.2 | 1311.6 | 1314.6 | 1327.6 | 1332.6 |
| 17.5° | 1281.3 | 1289.7 | 1293.1 | 1295.6 | 1291.4 | 1286.8 | 1282.2 | 1275.4 | 1277.5 | 1274.2 | 1283.8 |
| 20°   | 1050.4 | 1022.2 | 1020.5 | 1036.9 | 1018.8 | 1028.9 | 1053.3 | 1216.5 | 1211.1 | 1274.6 | 1253.1 |
| 22.5° | 876.6  | 850.1  | 827.4  | 807.7  | 835.8  | 847.6  | 893.1  | 944.4  | 1027.7 | 1014.6 | 1105.1 |
| 25°   | 716.0  | 706.3  | 700.4  | 697.4  | 699.6  | 698.7  | 708.8  | 732.8  | 770.6  | 859.8  | 975.1  |
| 27.5° | 669.7  | 665.1  | 663.0  | 656.2  | 661.3  | 659.6  | 667.6  | 672.6  | 684.0  | 692.8  | 730.3  |
| 30°   | 633.1  | 627.6  | 623.8  | 616.7  | 621.7  | 622.2  | 624.7  | 637.7  | 642.3  | 649.9  | 661.7  |
| 32.5° | 231.4  | 136.3  | 127.9  | 121.6  | 132.9  | 173.3  | 304.1  | 531.7  | 606.6  | 612.5  | 625.9  |
| 35°   | 22.7   | 18.9   | 16.8   | 16.8   | 17.2   | 18.9   | 25.2   | 66.5   | 121.6  | 469.9  | 588.1  |
| 37.5° | 8.8    | 7.6    | 6.3    | 5.9    | 6.3    | 7.2    | 9.7    | 12.6   | 17.2   | 35.8   | 159.4  |
| 40°   | 3.8    | 3.4    | 2.9    | 2.9    | 2.9    | 2.9    | 3.4    | 4.2    | 6.3    | 11.8   | 18.5   |
| 42.5° | 2.5    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.9    | 3.8    | 7.6    |
| 45°   | 1.7    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    | 2.1    | 3.4    |
| 47.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    |
| 50°   | 1.3    | 1.3    | 1.3    | 1.3    | 0.8    | 1.3    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    |
| 52.5° | 1.3    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 1.3    | 1.3    |
| 55°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 1.3    |
| 57.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 60°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 62.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 1.3    | 1.3    | 0.8    |
| 65°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 1.3    | 0.8    |
| 67.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 70°   | 1.3    | 1.3    | 0.8    | 1.3    | 0.8    | 0.8    | 1.3    | 1.3    | 1.3    | 0.8    | 0.8    |
| 72.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 2.5    | 2.5    | 1.7    |
| 75°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 2.1    | 2.5    | 2.1    |
| 77.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 2.1    | 2.1    | 2.1    |
| 80°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    | 1.7    | 1.7    |
| 82.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    | 1.7    | 1.7    |
| 85°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 87.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 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: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 340°   | 341°   | 342°   | 343°   | 344°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1396.2 | 1395.7 | 1404.6 | 1411.3 | 1408.8 | 1411.3 | 1414.2 | 1414.7 | 1415.5 | 1412.1 | 1410.9 |
| 5°    | 1534.1 | 1521.1 | 1495.9 | 1477.8 | 1456.7 | 1418.5 | 1399.5 | 1401.6 | 1402.0 | 1400.8 | 1402.5 |
| 7.5°  | 1560.6 | 1559.4 | 1550.5 | 1546.8 | 1532.5 | 1505.1 | 1461.4 | 1453.8 | 1435.3 | 1423.5 | 1413.8 |
| 10°   | 1494.2 | 1524.5 | 1532.5 | 1545.9 | 1554.3 | 1549.3 | 1512.3 | 1506.8 | 1495.0 | 1481.6 | 1484.5 |
| 12.5° | 1422.2 | 1447.1 | 1448.3 | 1521.5 | 1537.9 | 1539.6 | 1525.3 | 1532.9 | 1534.6 | 1504.3 | 1486.6 |
| 15°   | 1333.9 | 1345.7 | 1370.5 | 1438.6 | 1488.3 | 1519.4 | 1528.7 | 1532.9 | 1512.3 | 1511.0 | 1503.8 |
| 17.5° | 1295.2 | 1302.8 | 1314.1 | 1352.4 | 1427.7 | 1473.6 | 1512.7 | 1509.7 | 1517.7 | 1511.8 | 1493.8 |
| 20°   | 1246.4 | 1252.7 | 1272.9 | 1292.3 | 1329.3 | 1390.3 | 1463.5 | 1468.9 | 1479.4 | 1478.2 | 1483.2 |
| 22.5° | 1245.6 | 1223.3 | 1226.6 | 1241.8 | 1280.5 | 1335.2 | 1413.0 | 1431.1 | 1437.8 | 1442.4 | 1447.9 |
| 25°   | 988.1  | 1165.2 | 1197.6 | 1207.3 | 1232.5 | 1264.5 | 1356.2 | 1362.9 | 1375.5 | 1396.2 | 1411.3 |
| 27.5° | 856.0  | 976.3  | 1105.9 | 1173.2 | 1189.2 | 1215.7 | 1270.4 | 1280.5 | 1323.4 | 1328.4 | 1352.0 |
| 30°   | 675.6  | 768.5  | 962.0  | 1124.0 | 1150.5 | 1169.0 | 1207.7 | 1227.9 | 1246.4 | 1266.6 | 1291.4 |
| 32.5° | 635.6  | 650.3  | 757.6  | 930.1  | 1136.2 | 1122.3 | 1150.9 | 1163.1 | 1183.3 | 1201.0 | 1219.1 |
| 35°   | 599.0  | 609.1  | 631.8  | 761.8  | 925.4  | 1084.0 | 1103.4 | 1111.4 | 1122.7 | 1136.2 | 1149.2 |
| 37.5° | 560.7  | 575.9  | 591.4  | 626.4  | 856.0  | 1053.7 | 1053.3 | 1062.6 | 1069.3 | 1080.7 | 1091.6 |
| 40°   | 101.8  | 528.8  | 554.0  | 576.7  | 663.8  | 840.5  | 1006.2 | 1010.4 | 1015.0 | 1022.2 | 1033.6 |
| 42.5° | 16.4   | 88.3   | 519.1  | 541.0  | 565.8  | 752.6  | 984.8  | 967.5  | 964.6  | 969.6  | 979.7  |
| 45°   | 8.4    | 21.5   | 104.3  | 505.2  | 527.5  | 600.3  | 805.1  | 937.6  | 934.7  | 925.0  | 927.1  |
| 47.5° | 6.3    | 13.5   | 25.7   | 174.6  | 493.9  | 515.3  | 742.9  | 734.9  | 790.8  | 898.1  | 881.7  |
| 50°   | 5.5    | 9.3    | 15.1   | 35.8   | 436.2  | 474.5  | 572.1  | 668.4  | 697.9  | 701.7  | 830.4  |
| 52.5° | 5.0    | 6.3    | 10.9   | 23.1   | 91.7   | 438.7  | 465.2  | 498.9  | 548.5  | 655.0  | 652.4  |
| 55°   | 4.6    | 5.9    | 9.3    | 15.6   | 32.0   | 395.4  | 422.8  | 429.1  | 439.6  | 490.5  | 557.8  |
| 57.5° | 2.5    | 5.5    | 8.8    | 13.5   | 24.0   | 72.4   | 383.6  | 388.7  | 397.1  | 399.2  | 423.2  |
| 60°   | 1.3    | 5.0    | 8.0    | 11.8   | 17.7   | 33.7   | 344.9  | 350.8  | 355.9  | 356.7  | 364.3  |
| 62.5° | 0.8    | 4.6    | 6.7    | 10.9   | 14.7   | 24.0   | 81.6   | 166.6  | 316.8  | 316.8  | 325.6  |
| 65°   | 0.8    | 3.4    | 4.2    | 7.2    | 13.5   | 19.8   | 34.5   | 40.0   | 77.8   | 191.4  | 285.6  |
| 67.5° | 0.8    | 1.3    | 3.8    | 5.9    | 10.1   | 15.1   | 25.2   | 29.4   | 35.3   | 40.4   | 74.9   |
| 70°   | 0.8    | 0.8    | 3.4    | 3.8    | 6.3    | 11.4   | 18.1   | 20.6   | 24.0   | 27.3   | 31.5   |
| 72.5° | 0.8    | 0.8    | 2.9    | 2.9    | 4.2    | 7.6    | 13.9   | 15.1   | 17.2   | 19.4   | 22.3   |
| 75°   | 2.1    | 1.7    | 2.5    | 2.5    | 2.9    | 5.9    | 10.5   | 11.8   | 12.6   | 14.3   | 16.4   |
| 77.5° | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 3.8    | 6.7    | 7.6    | 8.8    | 9.7    | 11.4   |
| 80°   | 1.7    | 1.7    | 1.7    | 2.1    | 2.1    | 2.5    | 4.2    | 4.6    | 5.0    | 6.3    | 6.7    |
| 82.5° | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 2.5    | 2.9    | 3.8    |
| 85°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.7    | 1.7    | 1.7    | 1.7    |
| 87.5° | 1.3    | 1.3    | 1.3    | 0.8    | 0.8    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 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: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 346°   | 347°   | 348°   | 349°   | 350°   | 351°   | 352°   | 353°   | 354°   | 355°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1410.5 | 1407.9 | 1405.8 | 1407.1 | 1403.3 | 1401.6 | 1402.9 | 1403.3 | 1404.2 | 1406.3 | 1406.7 |
| 5°    | 1406.7 | 1405.8 | 1409.6 | 1411.7 | 1410.9 | 1411.7 | 1411.7 | 1410.0 | 1407.5 | 1409.2 | 1405.4 |
| 7.5°  | 1404.2 | 1398.7 | 1394.5 | 1395.3 | 1391.1 | 1396.2 | 1400.8 | 1407.5 | 1409.6 | 1409.6 | 1405.4 |
| 10°   | 1447.5 | 1441.6 | 1418.0 | 1402.0 | 1391.5 | 1382.3 | 1404.2 | 1381.9 | 1392.4 | 1352.4 | 1398.3 |
| 12.5° | 1483.2 | 1491.2 | 1480.7 | 1437.0 | 1429.4 | 1401.6 | 1417.6 | 1390.3 | 1382.3 | 1336.4 | 1351.1 |
| 15°   | 1497.5 | 1482.4 | 1479.0 | 1466.8 | 1450.4 | 1442.4 | 1399.5 | 1394.9 | 1381.9 | 1386.9 | 1367.6 |
| 17.5° | 1484.9 | 1492.5 | 1482.4 | 1474.4 | 1457.6 | 1438.6 | 1413.0 | 1390.3 | 1372.2 | 1331.8 | 1365.9 |
| 20°   | 1472.7 | 1482.8 | 1452.5 | 1457.6 | 1459.3 | 1437.4 | 1423.9 | 1405.0 | 1382.3 | 1344.4 | 1315.0 |
| 22.5° | 1452.5 | 1445.4 | 1447.9 | 1440.3 | 1434.0 | 1437.0 | 1418.5 | 1405.4 | 1367.1 | 1349.9 | 1309.9 |
| 25°   | 1419.7 | 1417.2 | 1423.9 | 1423.1 | 1407.9 | 1402.9 | 1393.6 | 1379.8 | 1364.6 | 1336.8 | 1304.0 |
| 27.5° | 1366.3 | 1379.3 | 1391.1 | 1396.6 | 1388.6 | 1375.1 | 1370.1 | 1362.1 | 1351.6 | 1323.4 | 1299.0 |
| 30°   | 1309.9 | 1324.6 | 1338.1 | 1349.9 | 1357.0 | 1351.1 | 1346.5 | 1341.9 | 1325.9 | 1307.4 | 1280.1 |
| 32.5° | 1245.6 | 1264.9 | 1283.4 | 1297.7 | 1313.3 | 1317.9 | 1314.6 | 1310.8 | 1297.3 | 1280.5 | 1258.6 |
| 35°   | 1171.1 | 1197.6 | 1224.5 | 1250.2 | 1256.9 | 1267.9 | 1278.8 | 1272.5 | 1265.3 | 1248.5 | 1228.3 |
| 37.5° | 1108.0 | 1126.9 | 1146.3 | 1178.7 | 1202.2 | 1216.1 | 1235.5 | 1238.0 | 1225.8 | 1217.8 | 1191.3 |
| 40°   | 1042.8 | 1060.1 | 1088.2 | 1107.2 | 1139.6 | 1155.5 | 1176.2 | 1185.4 | 1182.5 | 1177.8 | 1154.7 |
| 42.5° | 991.5  | 999.9  | 1018.4 | 1035.2 | 1067.2 | 1100.0 | 1118.1 | 1128.2 | 1138.7 | 1134.9 | 1123.2 |
| 45°   | 936.8  | 944.4  | 950.7  | 965.4  | 996.5  | 1025.6 | 1047.9 | 1063.0 | 1081.9 | 1090.8 | 1076.5 |
| 47.5° | 882.5  | 884.6  | 892.2  | 904.4  | 922.9  | 945.2  | 982.7  | 1005.4 | 1023.0 | 1040.3 | 1031.0 |
| 50°   | 840.9  | 833.3  | 834.6  | 842.2  | 857.3  | 879.2  | 906.1  | 938.1  | 958.3  | 979.3  | 981.4  |
| 52.5° | 734.9  | 796.3  | 781.6  | 785.8  | 793.8  | 804.3  | 832.5  | 864.0  | 888.8  | 906.9  | 925.0  |
| 55°   | 616.7  | 628.9  | 747.1  | 730.3  | 735.3  | 744.6  | 757.6  | 789.2  | 813.1  | 838.4  | 863.6  |
| 57.5° | 478.3  | 569.1  | 573.8  | 683.1  | 680.6  | 681.5  | 692.4  | 710.5  | 734.5  | 766.0  | 787.5  |
| 60°   | 371.9  | 410.1  | 484.6  | 522.5  | 618.4  | 621.7  | 628.0  | 638.6  | 659.2  | 689.0  | 723.1  |
| 62.5° | 328.1  | 333.2  | 359.7  | 416.4  | 478.7  | 554.0  | 567.5  | 569.1  | 578.4  | 608.3  | 647.8  |
| 65°   | 288.1  | 291.5  | 299.5  | 305.4  | 357.6  | 430.3  | 495.1  | 505.6  | 511.5  | 529.2  | 562.8  |
| 67.5° | 198.5  | 251.1  | 258.3  | 262.5  | 267.5  | 301.2  | 381.5  | 435.0  | 441.7  | 457.3  | 486.7  |
| 70°   | 38.3   | 79.5   | 217.5  | 222.1  | 224.6  | 232.2  | 245.2  | 330.2  | 374.8  | 389.5  | 403.0  |
| 72.5° | 26.1   | 30.7   | 37.0   | 87.5   | 185.1  | 189.3  | 192.2  | 203.2  | 278.5  | 321.4  | 328.5  |
| 75°   | 18.9   | 21.0   | 24.8   | 30.7   | 37.9   | 123.3  | 152.7  | 158.2  | 163.6  | 225.9  | 262.1  |
| 77.5° | 13.5   | 15.1   | 16.8   | 19.8   | 23.1   | 29.9   | 42.9   | 118.2  | 123.7  | 126.6  | 178.8  |
| 80°   | 7.6    | 9.3    | 11.4   | 13.0   | 14.7   | 16.8   | 21.9   | 27.3   | 61.0   | 89.2   | 93.8   |
| 82.5° | 4.2    | 5.0    | 5.9    | 7.2    | 8.0    | 10.1   | 12.2   | 14.7   | 19.4   | 28.6   | 60.6   |
| 85°   | 2.1    | 2.1    | 2.1    | 2.9    | 3.4    | 4.6    | 5.5    | 6.3    | 8.8    | 12.2   | 16.8   |
| 87.5° | 1.3    | 1.3    | 1.7    | 1.7    | 1.7    | 2.1    | 2.1    | 2.1    | 2.5    | 3.8    | 5.5    |
| 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: P1213728

CATALOG NUMBER: 4SNLED-LD5-23SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 356°   | 357°   | 358°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1401.6 | 1401.6 | 1401.6 | 1401.6 | 1401.6 |
| 2.5°  | 1407.1 | 1405.8 | 1405.8 | 1410.9 | 1409.6 |
| 5°    | 1404.6 | 1403.3 | 1402.9 | 1408.4 | 1405.8 |
| 7.5°  | 1402.5 | 1397.8 | 1396.6 | 1401.6 | 1399.5 |
| 10°   | 1394.1 | 1390.7 | 1392.8 | 1391.1 | 1390.3 |
| 12.5° | 1379.8 | 1377.6 | 1368.8 | 1369.7 | 1376.8 |
| 15°   | 1354.1 | 1362.5 | 1347.4 | 1360.8 | 1363.8 |
| 17.5° | 1307.0 | 1325.9 | 1340.6 | 1348.6 | 1349.9 |
| 20°   | 1328.0 | 1334.3 | 1326.7 | 1327.2 | 1332.2 |
| 22.5° | 1300.7 | 1303.6 | 1305.7 | 1303.2 | 1314.1 |
| 25°   | 1256.9 | 1245.6 | 1270.0 | 1275.0 | 1292.7 |
| 27.5° | 1243.5 | 1234.2 | 1245.6 | 1244.7 | 1259.4 |
| 30°   | 1232.5 | 1202.7 | 1207.7 | 1215.7 | 1233.8 |
| 32.5° | 1217.0 | 1169.8 | 1164.8 | 1182.5 | 1202.7 |
| 35°   | 1189.6 | 1145.0 | 1133.2 | 1144.6 | 1174.9 |
| 37.5° | 1166.5 | 1110.5 | 1087.0 | 1102.1 | 1141.7 |
| 40°   | 1132.0 | 1083.6 | 1047.0 | 1060.5 | 1107.2 |
| 42.5° | 1090.8 | 1060.5 | 1004.1 | 1013.4 | 1066.8 |
| 45°   | 1049.1 | 1022.2 | 962.5  | 967.1  | 1030.6 |
| 47.5° | 1006.6 | 981.8  | 919.1  | 920.0  | 984.3  |
| 50°   | 965.0  | 932.2  | 880.4  | 865.7  | 935.1  |
| 52.5° | 910.7  | 880.4  | 841.3  | 817.3  | 888.4  |
| 55°   | 859.4  | 825.3  | 796.7  | 759.7  | 835.4  |
| 57.5° | 809.3  | 771.5  | 752.1  | 704.6  | 775.3  |
| 60°   | 740.8  | 722.7  | 694.1  | 648.7  | 721.0  |
| 62.5° | 670.5  | 664.6  | 635.6  | 588.5  | 654.1  |
| 65°   | 588.5  | 602.4  | 572.5  | 532.1  | 584.7  |
| 67.5° | 511.1  | 535.9  | 503.1  | 478.3  | 517.8  |
| 70°   | 428.6  | 457.3  | 438.7  | 429.9  | 446.7  |
| 72.5° | 347.5  | 375.2  | 376.9  | 370.6  | 376.1  |
| 75°   | 268.4  | 299.1  | 315.9  | 306.2  | 307.5  |
| 77.5° | 203.6  | 218.3  | 236.8  | 244.4  | 242.7  |
| 80°   | 125.8  | 151.4  | 166.6  | 182.1  | 176.7  |
| 82.5° | 63.5   | 85.0   | 103.5  | 120.3  | 112.3  |
| 85°   | 26.5   | 34.1   | 47.5   | 62.7   | 60.2   |
| 87.5° | 8.0    | 13.5   | 14.3   | 20.2   | 18.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)