

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: P1213055

Luminaire Tested: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

Issue Date: 3/29/2018

**Test Information**

Test Method: LM-79-2019  
Report Number: P1213055  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)  
Test Lab: INNOVATIONS CENTER-P3  
Issue Date: 3/29/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
WHITE REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

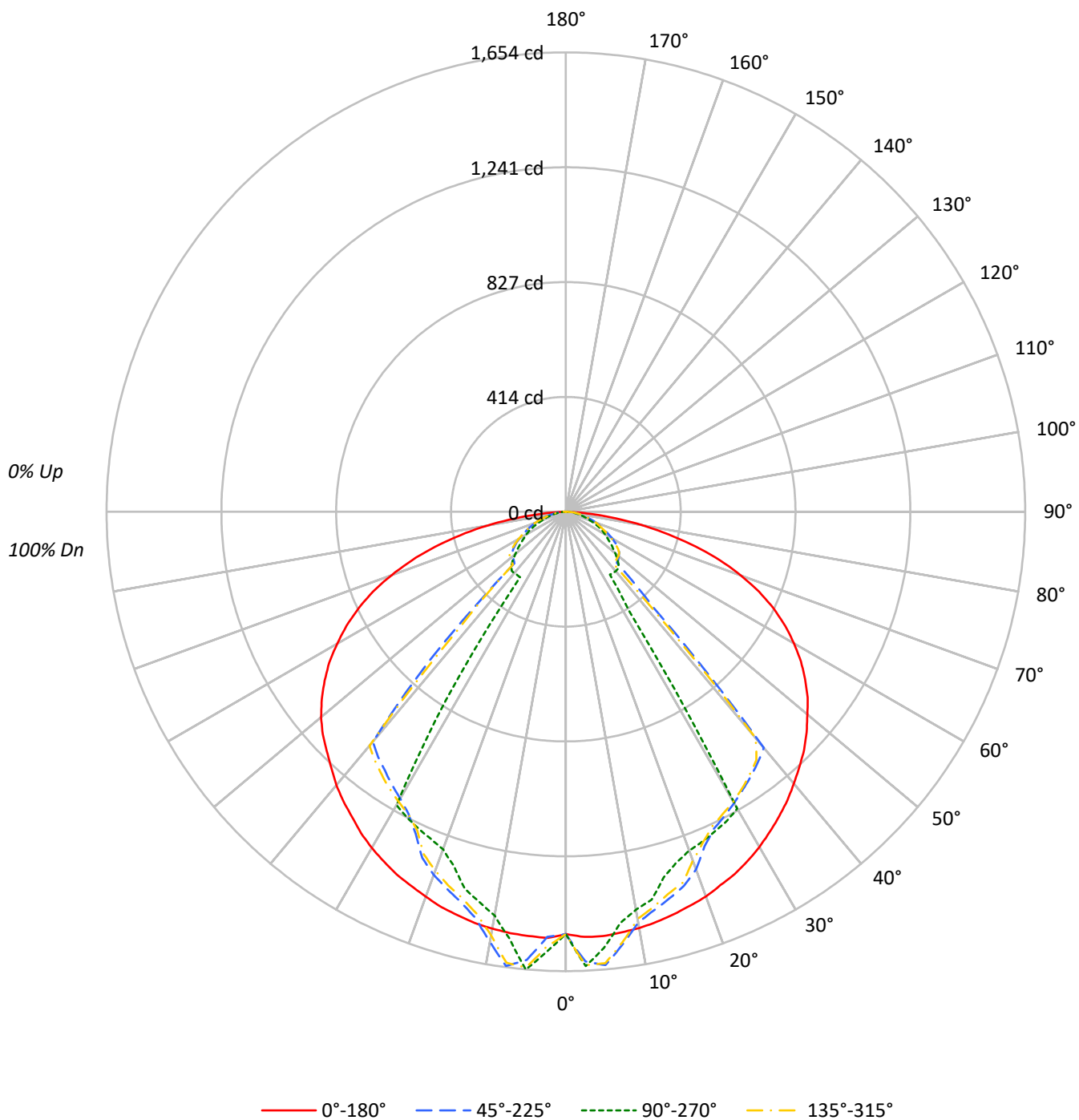
Lumens per Lamp: N/A  
Luminaire Lumens: 3045.0 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

### Luminous Intensity Polar Plot



TEST NUMBER: P1213055

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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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 98  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 91  | 89  |
| 2   | 102 | 94  | 88  | 83  | 99  | 93  | 87  | 82  | 89  | 85  | 81  | 86  | 82  | 79  | 83  | 80  | 77  |
| 3   | 94  | 84  | 77  | 72  | 91  | 83  | 76  | 71  | 80  | 74  | 70  | 77  | 73  | 69  | 75  | 71  | 67  |
| 4   | 87  | 76  | 68  | 62  | 85  | 75  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 60  | 68  | 63  | 59  |
| 5   | 81  | 69  | 61  | 55  | 79  | 68  | 60  | 55  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 53  |
| 6   | 75  | 63  | 55  | 49  | 73  | 62  | 54  | 49  | 60  | 53  | 48  | 59  | 53  | 48  | 57  | 52  | 47  |
| 7   | 70  | 58  | 50  | 44  | 68  | 57  | 49  | 44  | 55  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  |
| 8   | 66  | 53  | 45  | 40  | 64  | 52  | 45  | 40  | 51  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  |
| 9   | 62  | 49  | 41  | 36  | 60  | 48  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 36  | 45  | 40  | 36  |
| 10  | 58  | 46  | 38  | 33  | 57  | 45  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 42  | 37  | 33  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 12288 | 12288 | 12288 | 12288 |
| 5°  | 12408 | 12380 | 12402 | 12994 |
| 10° | 12421 | 11193 | 12438 | 11365 |
| 15° | 12448 | 10356 | 12477 | 10685 |
| 20° | 12538 | 9823  | 12538 | 9786  |
| 25° | 12647 | 9635  | 12666 | 9545  |
| 30° | 12775 | 9465  | 12806 | 9352  |
| 35° | 12924 | 2156  | 12951 | 2248  |
| 40° | 13131 | 2241  | 13209 | 2314  |
| 45° | 13446 | 2229  | 13492 | 2311  |
| 50° | 13759 | 2016  | 13946 | 2070  |
| 55° | 14183 | 1789  | 14296 | 1815  |
| 60° | 14543 | 1591  | 14573 | 1611  |
| 65° | 14799 | 1388  | 14761 | 1366  |
| 70° | 14587 | 1119  | 14542 | 1078  |
| 75° | 13542 | 861   | 13640 | 824   |
| 80° | 10994 | 611   | 11432 | 559   |
| 85° | 5950  | 366   | 6285  | 280   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 357.5°

Vertical Angle: 60°

Luminance: 14900 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 149.6  | 4.9       |
| 10°-20°   | 411.3  | 13.5      |
| 20°-30°   | 609.3  | 20.0      |
| 30°-40°   | 613.9  | 20.2      |
| 40°-50°   | 479.6  | 15.7      |
| 50°-60°   | 370.4  | 12.2      |
| 60°-70°   | 248.7  | 8.2       |
| 70°-80°   | 126.9  | 4.2       |
| 80°-90°   | 35.3   | 1.2       |
| 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°    | 1170.2 | 38.4      |
| 0°-40°    | 1784.2 | 58.6      |
| 0°-60°    | 2634.1 | 86.5      |
| 0°-90°    | 3045.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3045.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1521 | 1521 | 1521 | 1521 | 1521 |      |
| 5°  | 1534 | 1576 | 1533 | 1654 | 1534 | 146  |
| 15° | 1500 | 1362 | 1504 | 1406 | 1500 | 424  |
| 25° | 1439 | 1270 | 1441 | 1258 | 1439 | 664  |
| 35° | 1339 | 276  | 1342 | 288  | 1339 | 839  |
| 45° | 1213 | 268  | 1218 | 278  | 1213 | 936  |
| 55° | 1052 | 195  | 1060 | 198  | 1052 | 939  |
| 65° | 826  | 131  | 824  | 129  | 826  | 812  |
| 75° | 484  | 66   | 488  | 63   | 484  | 507  |
| 85° | 87   | 21   | 92   | 16   | 87   | 120  |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5°  | 25°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1532.4 | 1538.0 | 1542.2 | 1545.0 | 1546.4 | 1546.4 | 1547.1 | 1547.8 | 1556.8 | 1561.0 | 1563.8 |
| 5°    | 1533.8 | 1539.4 | 1547.8 | 1558.9 | 1568.7 | 1577.0 | 1584.0 | 1593.8 | 1603.5 | 1614.0 | 1617.5 |
| 7.5°  | 1527.6 | 1534.5 | 1551.3 | 1571.5 | 1590.3 | 1603.5 | 1612.6 | 1618.9 | 1623.7 | 1624.4 | 1627.9 |
| 10°   | 1522.0 | 1534.5 | 1557.5 | 1584.0 | 1607.7 | 1623.7 | 1623.7 | 1620.2 | 1625.1 | 1606.3 | 1587.5 |
| 12.5° | 1512.2 | 1526.2 | 1557.5 | 1592.4 | 1614.7 | 1620.9 | 1618.2 | 1604.2 | 1575.6 | 1552.7 | 1542.2 |
| 15°   | 1500.4 | 1519.2 | 1558.2 | 1597.3 | 1616.1 | 1618.2 | 1591.7 | 1556.1 | 1534.5 | 1520.6 | 1503.2 |
| 17.5° | 1487.1 | 1512.2 | 1558.9 | 1597.9 | 1604.9 | 1595.2 | 1545.0 | 1522.7 | 1500.4 | 1467.6 | 1443.9 |
| 20°   | 1474.6 | 1499.0 | 1553.3 | 1588.2 | 1592.4 | 1548.5 | 1509.4 | 1485.8 | 1448.1 | 1419.5 | 1409.1 |
| 22.5° | 1455.1 | 1483.7 | 1548.5 | 1575.0 | 1558.9 | 1508.1 | 1470.4 | 1432.8 | 1398.6 | 1390.3 | 1377.7 |
| 25°   | 1439.1 | 1469.0 | 1537.3 | 1558.9 | 1516.4 | 1471.1 | 1427.2 | 1383.3 | 1367.3 | 1355.4 | 1344.3 |
| 27.5° | 1417.5 | 1454.4 | 1522.7 | 1529.7 | 1471.1 | 1431.4 | 1367.3 | 1347.8 | 1333.1 | 1319.9 | 1315.0 |
| 30°   | 1393.8 | 1439.1 | 1502.5 | 1489.2 | 1433.5 | 1374.9 | 1327.6 | 1309.4 | 1299.0 | 1285.0 | 1279.5 |
| 32.5° | 1366.6 | 1416.1 | 1480.2 | 1442.5 | 1393.1 | 1319.9 | 1289.2 | 1275.3 | 1261.4 | 1250.9 | 1216.1 |
| 35°   | 1338.7 | 1395.9 | 1453.7 | 1397.9 | 1344.3 | 1278.1 | 1250.9 | 1238.4 | 1225.1 | 1186.8 | 1150.6 |
| 37.5° | 1310.1 | 1373.6 | 1421.6 | 1349.9 | 1279.5 | 1234.9 | 1211.9 | 1197.9 | 1168.0 | 1119.2 | 1101.1 |
| 40°   | 1277.4 | 1346.4 | 1380.5 | 1300.4 | 1223.0 | 1191.0 | 1169.4 | 1155.4 | 1087.8 | 1066.2 | 1060.7 |
| 42.5° | 1244.6 | 1319.9 | 1330.3 | 1252.3 | 1176.3 | 1144.3 | 1126.2 | 1080.2 | 1034.2 | 1023.0 | 1025.1 |
| 45°   | 1213.3 | 1291.3 | 1275.3 | 1184.0 | 1127.6 | 1101.1 | 1070.4 | 1007.0 | 982.6  | 988.2  | 989.6  |
| 47.5° | 1175.6 | 1257.2 | 1217.5 | 1115.7 | 1077.4 | 1050.9 | 982.6  | 944.3  | 940.8  | 948.5  | 952.6  |
| 50°   | 1135.2 | 1218.8 | 1156.1 | 1053.7 | 1023.0 | 991.7  | 914.3  | 894.8  | 899.0  | 906.6  | 911.5  |
| 52.5° | 1097.6 | 1175.6 | 1092.7 | 995.8  | 969.4  | 897.6  | 845.3  | 848.8  | 855.8  | 864.8  | 867.6  |
| 55°   | 1051.6 | 1123.4 | 1025.1 | 937.3  | 912.2  | 818.1  | 794.4  | 802.8  | 809.8  | 817.4  | 823.0  |
| 57.5° | 1003.5 | 1063.4 | 945.0  | 871.8  | 831.4  | 747.8  | 749.8  | 755.4  | 760.3  | 769.4  | 317.8  |
| 60°   | 948.5  | 995.1  | 857.2  | 811.2  | 731.0  | 692.0  | 694.1  | 703.8  | 708.7  | 395.8  | 218.8  |
| 62.5° | 891.3  | 915.7  | 777.7  | 742.2  | 639.0  | 636.3  | 646.0  | 650.2  | 442.5  | 209.1  | 204.9  |
| 65°   | 825.8  | 820.9  | 699.7  | 643.2  | 576.3  | 579.1  | 589.6  | 568.7  | 195.8  | 195.8  | 194.4  |
| 67.5° | 753.3  | 724.1  | 623.7  | 532.4  | 515.7  | 522.0  | 533.1  | 186.1  | 181.2  | 182.6  | 177.7  |
| 70°   | 670.4  | 629.3  | 545.0  | 450.9  | 456.5  | 462.7  | 179.8  | 168.6  | 166.6  | 163.1  | 153.3  |
| 72.5° | 582.6  | 526.1  | 446.0  | 391.6  | 395.1  | 248.1  | 157.5  | 151.9  | 145.0  | 138.0  | 127.5  |
| 75°   | 484.3  | 411.2  | 327.5  | 327.5  | 332.4  | 141.5  | 137.3  | 128.2  | 120.6  | 111.5  | 105.2  |
| 77.5° | 379.8  | 316.4  | 254.4  | 264.1  | 128.9  | 118.5  | 110.8  | 101.0  | 94.8   | 89.2   | 85.7   |
| 80°   | 278.1  | 220.9  | 191.6  | 171.4  | 100.4  | 89.9   | 82.2   | 76.7   | 73.9   | 70.4   | 66.2   |
| 82.5° | 182.6  | 133.1  | 133.1  | 80.8   | 70.4   | 62.0   | 59.9   | 55.8   | 53.0   | 50.9   | 48.8   |
| 85°   | 87.1   | 77.4   | 58.5   | 49.5   | 43.9   | 39.7   | 38.3   | 36.2   | 36.2   | 35.5   | 34.8   |
| 87.5° | 32.1   | 34.8   | 25.8   | 25.1   | 23.7   | 23.0   | 23.7   | 23.7   | 24.4   | 23.7   | 23.0   |
| 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):**

|       | 27.5°  | 30°    | 32.5°  | 35°    | 37.5°  | 40°    | 42.5°  | 45°    | 47.5°  | 50°    | 52.5°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1570.8 | 1576.3 | 1580.5 | 1587.5 | 1596.6 | 1604.2 | 1611.2 | 1620.9 | 1636.3 | 1640.5 | 1643.9 |
| 5°    | 1617.5 | 1619.6 | 1624.4 | 1630.0 | 1631.4 | 1634.9 | 1634.2 | 1638.4 | 1640.5 | 1645.3 | 1634.9 |
| 7.5°  | 1620.2 | 1609.1 | 1595.9 | 1584.0 | 1575.6 | 1568.0 | 1563.1 | 1570.8 | 1575.0 | 1578.4 | 1568.0 |
| 10°   | 1561.7 | 1548.5 | 1540.8 | 1533.8 | 1525.5 | 1513.6 | 1497.6 | 1501.1 | 1499.7 | 1499.7 | 1496.2 |
| 12.5° | 1524.8 | 1506.0 | 1486.4 | 1469.0 | 1461.4 | 1460.7 | 1461.4 | 1469.0 | 1469.0 | 1468.3 | 1464.1 |
| 15°   | 1466.9 | 1448.8 | 1439.1 | 1434.9 | 1434.9 | 1432.8 | 1432.8 | 1441.2 | 1439.1 | 1439.1 | 1437.0 |
| 17.5° | 1428.6 | 1416.1 | 1409.1 | 1404.2 | 1402.1 | 1405.6 | 1409.8 | 1413.3 | 1414.0 | 1411.2 | 1400.0 |
| 20°   | 1397.2 | 1385.4 | 1377.0 | 1378.4 | 1377.7 | 1379.8 | 1381.9 | 1370.1 | 1355.4 | 1335.9 | 1326.9 |
| 22.5° | 1364.5 | 1355.4 | 1349.2 | 1349.2 | 1340.8 | 1327.6 | 1308.0 | 1303.9 | 1301.8 | 1292.7 | 1285.0 |
| 25°   | 1333.1 | 1322.7 | 1313.6 | 1285.7 | 1268.3 | 1270.4 | 1266.9 | 1260.0 | 1259.3 | 1258.6 | 1261.4 |
| 27.5° | 1301.8 | 1274.6 | 1239.8 | 1235.6 | 1228.6 | 1227.9 | 1232.1 | 1235.6 | 1235.6 | 1238.4 | 1241.8 |
| 30°   | 1237.0 | 1205.6 | 1199.3 | 1191.7 | 1194.5 | 1204.2 | 1206.3 | 1211.2 | 1212.6 | 1217.5 | 1220.2 |
| 32.5° | 1177.7 | 1163.8 | 1158.2 | 1161.7 | 1170.8 | 1179.1 | 1184.0 | 1186.1 | 1189.6 | 1193.8 | 1197.2 |
| 35°   | 1129.6 | 1125.5 | 1130.3 | 1138.0 | 1147.1 | 1154.0 | 1158.2 | 1162.4 | 1165.9 | 1169.4 | 1172.2 |
| 37.5° | 1094.1 | 1096.9 | 1103.9 | 1113.6 | 1122.7 | 1128.3 | 1131.7 | 1136.6 | 1141.5 | 1145.7 | 1128.9 |
| 40°   | 1060.7 | 1067.6 | 1075.3 | 1085.7 | 1093.4 | 1099.0 | 1102.5 | 1108.7 | 1066.9 | 482.9  | 264.8  |
| 42.5° | 1031.4 | 1039.0 | 1044.6 | 1053.0 | 1061.3 | 1065.5 | 1034.9 | 462.0  | 261.3  | 259.9  | 263.4  |
| 45°   | 995.8  | 1002.1 | 1011.2 | 1017.4 | 1025.1 | 673.2  | 257.1  | 259.9  | 255.8  | 258.5  | 259.9  |
| 47.5° | 959.6  | 969.4  | 974.2  | 929.6  | 276.7  | 255.8  | 253.0  | 255.8  | 253.0  | 256.5  | 254.4  |
| 50°   | 918.5  | 930.3  | 662.0  | 250.2  | 248.1  | 246.7  | 249.5  | 248.1  | 250.2  | 253.0  | 247.4  |
| 52.5° | 876.7  | 542.9  | 242.5  | 241.1  | 242.5  | 241.1  | 246.0  | 242.5  | 243.2  | 240.4  | 233.5  |
| 55°   | 296.9  | 234.8  | 232.8  | 232.1  | 236.2  | 236.2  | 236.2  | 230.7  | 227.2  | 220.2  | 215.3  |
| 57.5° | 227.2  | 227.2  | 226.5  | 227.2  | 225.8  | 224.4  | 218.1  | 213.2  | 208.4  | 198.6  | 195.8  |
| 60°   | 215.3  | 215.3  | 215.3  | 215.3  | 209.1  | 206.3  | 196.5  | 192.3  | 184.0  | 179.1  | 176.3  |
| 62.5° | 205.6  | 204.2  | 197.9  | 195.8  | 188.9  | 181.2  | 175.6  | 171.4  | 163.1  | 160.3  | 158.2  |
| 65°   | 191.6  | 186.8  | 179.1  | 170.7  | 167.3  | 158.9  | 156.1  | 149.8  | 145.6  | 143.6  | 142.2  |
| 67.5° | 168.6  | 161.7  | 155.4  | 149.8  | 143.6  | 140.8  | 137.3  | 132.4  | 129.6  | 128.2  | 126.8  |
| 70°   | 144.3  | 139.4  | 133.1  | 129.6  | 125.4  | 123.3  | 118.5  | 117.1  | 115.0  | 112.9  | 110.8  |
| 72.5° | 120.6  | 117.8  | 115.0  | 110.1  | 108.7  | 107.3  | 102.4  | 99.7   | 96.9   | 94.1   | 92.7   |
| 75°   | 101.0  | 99.0   | 97.6   | 93.4   | 91.3   | 87.1   | 83.6   | 81.5   | 79.4   | 77.4   | 76.0   |
| 77.5° | 82.9   | 81.5   | 77.4   | 74.6   | 73.2   | 69.7   | 68.3   | 69.0   | 67.6   | 64.8   | 63.4   |
| 80°   | 64.8   | 63.4   | 59.9   | 59.9   | 58.5   | 57.1   | 55.8   | 54.4   | 53.0   | 50.9   | 49.5   |
| 82.5° | 49.5   | 48.1   | 46.7   | 45.3   | 43.9   | 43.2   | 42.5   | 41.1   | 39.7   | 38.3   | 37.6   |
| 85°   | 34.8   | 34.1   | 33.5   | 32.8   | 32.1   | 31.4   | 30.7   | 29.3   | 27.9   | 27.2   | 26.5   |
| 87.5° | 23.7   | 23.0   | 22.3   | 21.6   | 20.9   | 20.2   | 19.5   | 18.8   | 17.4   | 16.7   | 16.0   |
| 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):**

|       | 55°    | 57.5°  | 60°    | 62.5°  | 65°    | 67.5°  | 70°    | 72.5°  | 75°    | 77.5°  | 80°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1643.9 | 1647.4 | 1643.9 | 1636.3 | 1631.4 | 1629.3 | 1633.5 | 1633.5 | 1636.3 | 1639.8 | 1640.5 |
| 5°    | 1618.2 | 1609.8 | 1600.0 | 1590.3 | 1585.4 | 1582.6 | 1575.0 | 1576.3 | 1578.4 | 1579.8 | 1581.2 |
| 7.5°  | 1554.0 | 1542.9 | 1529.7 | 1517.1 | 1512.2 | 1508.1 | 1499.0 | 1499.0 | 1499.0 | 1499.7 | 1503.9 |
| 10°   | 1488.5 | 1483.7 | 1478.1 | 1469.7 | 1463.5 | 1461.4 | 1453.7 | 1455.8 | 1454.4 | 1456.5 | 1461.4 |
| 12.5° | 1457.9 | 1452.3 | 1447.4 | 1439.1 | 1432.1 | 1429.3 | 1425.8 | 1427.9 | 1427.2 | 1430.7 | 1434.9 |
| 15°   | 1430.0 | 1427.2 | 1421.6 | 1415.4 | 1409.1 | 1403.5 | 1391.0 | 1386.8 | 1384.0 | 1380.5 | 1385.4 |
| 17.5° | 1384.0 | 1364.5 | 1351.3 | 1341.5 | 1334.5 | 1329.6 | 1326.2 | 1326.2 | 1328.3 | 1330.3 | 1334.5 |
| 20°   | 1321.3 | 1315.7 | 1309.4 | 1299.0 | 1292.0 | 1289.2 | 1287.1 | 1287.1 | 1290.6 | 1293.4 | 1301.1 |
| 22.5° | 1278.1 | 1277.4 | 1275.3 | 1270.4 | 1266.9 | 1266.9 | 1267.6 | 1269.0 | 1273.9 | 1278.1 | 1285.7 |
| 25°   | 1257.9 | 1260.7 | 1259.3 | 1256.5 | 1254.4 | 1255.1 | 1253.7 | 1255.1 | 1260.0 | 1264.1 | 1270.4 |
| 27.5° | 1241.8 | 1246.0 | 1244.6 | 1240.4 | 1237.0 | 1238.4 | 1240.4 | 1239.1 | 1243.2 | 1248.1 | 1253.0 |
| 30°   | 1220.2 | 1220.9 | 1223.7 | 1218.8 | 1217.5 | 1219.5 | 1220.2 | 1221.6 | 1225.8 | 1229.3 | 1233.5 |
| 32.5° | 1195.8 | 1201.4 | 1200.7 | 1195.8 | 1195.8 | 1197.9 | 1198.6 | 1151.9 | 1064.8 | 917.1  | 876.7  |
| 35°   | 1172.2 | 1178.4 | 1168.0 | 984.7  | 681.5  | 363.8  | 280.8  | 271.1  | 273.2  | 274.6  | 276.0  |
| 37.5° | 866.9  | 411.2  | 262.0  | 264.1  | 266.2  | 268.3  | 270.4  | 272.5  | 274.6  | 276.7  | 277.4  |
| 40°   | 260.6  | 259.9  | 262.0  | 264.8  | 266.9  | 268.3  | 271.1  | 273.2  | 275.3  | 277.4  | 278.1  |
| 42.5° | 257.8  | 259.2  | 261.3  | 264.1  | 266.9  | 269.7  | 271.8  | 274.6  | 276.0  | 277.4  | 278.1  |
| 45°   | 256.5  | 259.2  | 262.0  | 264.1  | 266.2  | 267.6  | 269.0  | 269.7  | 269.0  | 269.0  | 270.4  |
| 47.5° | 254.4  | 257.1  | 257.8  | 257.1  | 257.8  | 257.1  | 257.1  | 257.1  | 255.1  | 254.4  | 254.4  |
| 50°   | 246.7  | 246.7  | 245.3  | 242.5  | 241.8  | 241.1  | 239.7  | 239.0  | 236.2  | 235.5  | 235.5  |
| 52.5° | 230.7  | 230.0  | 227.9  | 224.4  | 223.0  | 221.6  | 220.9  | 220.2  | 217.4  | 216.0  | 216.7  |
| 55°   | 211.9  | 210.5  | 208.4  | 204.2  | 203.5  | 202.1  | 201.4  | 200.7  | 197.9  | 199.3  | 197.2  |
| 57.5° | 194.4  | 191.6  | 188.9  | 188.2  | 185.4  | 184.7  | 184.0  | 183.3  | 181.2  | 181.9  | 180.5  |
| 60°   | 173.5  | 172.8  | 171.4  | 168.6  | 168.6  | 167.9  | 167.9  | 166.6  | 165.2  | 164.5  | 164.5  |
| 62.5° | 158.2  | 156.1  | 154.7  | 154.7  | 152.6  | 152.6  | 152.6  | 151.2  | 149.8  | 150.5  | 149.8  |
| 65°   | 141.5  | 140.8  | 140.1  | 138.7  | 138.7  | 138.0  | 138.0  | 136.6  | 134.5  | 135.2  | 133.8  |
| 67.5° | 127.5  | 126.1  | 124.7  | 124.0  | 121.3  | 119.9  | 119.2  | 118.5  | 115.7  | 116.4  | 115.0  |
| 70°   | 110.1  | 108.0  | 106.6  | 105.2  | 103.1  | 101.7  | 101.7  | 100.4  | 98.3   | 99.0   | 97.6   |
| 72.5° | 92.0   | 90.6   | 89.2   | 88.5   | 86.4   | 85.7   | 85.0   | 84.3   | 82.2   | 82.9   | 82.2   |
| 75°   | 76.7   | 76.7   | 76.0   | 75.3   | 73.2   | 71.1   | 69.7   | 69.0   | 67.6   | 68.3   | 66.9   |
| 77.5° | 63.4   | 62.0   | 60.6   | 60.6   | 58.5   | 57.1   | 55.8   | 55.8   | 55.8   | 55.1   | 54.4   |
| 80°   | 49.5   | 48.1   | 48.1   | 47.4   | 46.0   | 44.6   | 43.9   | 43.9   | 43.2   | 43.2   | 42.5   |
| 82.5° | 37.6   | 36.2   | 35.5   | 35.5   | 34.1   | 33.5   | 32.8   | 32.1   | 32.1   | 32.1   | 31.4   |
| 85°   | 26.5   | 25.1   | 24.4   | 24.4   | 23.0   | 22.3   | 22.3   | 21.6   | 21.6   | 20.9   | 20.9   |
| 87.5° | 16.0   | 15.3   | 14.6   | 14.6   | 13.2   | 12.5   | 12.5   | 12.5   | 11.8   | 11.8   | 11.2   |
| 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: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 82.5°  | 85°    | 87.5°  | 90°    | 92.5°  | 95°    | 97.5°  | 100°   | 102.5° | 105°   | 107.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1640.5 | 1640.5 | 1635.6 | 1637.0 | 1634.9 | 1637.7 | 1634.2 | 1634.2 | 1638.4 | 1638.4 | 1641.2 |
| 5°    | 1581.9 | 1578.4 | 1577.7 | 1576.3 | 1569.4 | 1572.2 | 1568.7 | 1565.2 | 1570.1 | 1570.1 | 1576.3 |
| 7.5°  | 1501.8 | 1495.5 | 1498.3 | 1494.1 | 1489.9 | 1483.7 | 1485.8 | 1483.0 | 1486.4 | 1491.3 | 1497.6 |
| 10°   | 1460.7 | 1455.1 | 1458.6 | 1454.4 | 1456.5 | 1447.4 | 1448.1 | 1448.8 | 1452.3 | 1453.7 | 1459.3 |
| 12.5° | 1434.2 | 1432.8 | 1431.4 | 1430.0 | 1431.4 | 1426.5 | 1423.7 | 1424.4 | 1425.8 | 1426.5 | 1430.7 |
| 15°   | 1378.4 | 1369.4 | 1372.2 | 1362.4 | 1363.1 | 1363.8 | 1358.2 | 1363.8 | 1363.1 | 1372.2 | 1380.5 |
| 17.5° | 1333.1 | 1333.1 | 1328.3 | 1324.1 | 1321.3 | 1320.6 | 1316.4 | 1319.2 | 1316.4 | 1322.0 | 1324.1 |
| 20°   | 1301.8 | 1301.1 | 1300.4 | 1298.3 | 1291.3 | 1292.0 | 1294.1 | 1287.8 | 1287.1 | 1286.4 | 1290.6 |
| 22.5° | 1287.1 | 1287.8 | 1285.0 | 1285.0 | 1278.8 | 1280.2 | 1280.9 | 1273.9 | 1274.6 | 1272.5 | 1274.6 |
| 25°   | 1271.8 | 1273.2 | 1269.7 | 1269.7 | 1268.3 | 1267.6 | 1264.1 | 1265.5 | 1261.4 | 1257.9 | 1261.4 |
| 27.5° | 1253.7 | 1256.5 | 1253.7 | 1255.1 | 1252.3 | 1250.9 | 1248.8 | 1247.4 | 1243.2 | 1242.5 | 1244.6 |
| 30°   | 1237.0 | 1238.4 | 1237.7 | 1234.2 | 1233.5 | 1229.3 | 1231.4 | 1227.2 | 1223.0 | 1223.7 | 1225.1 |
| 32.5° | 634.2  | 605.6  | 466.9  | 421.6  | 417.4  | 432.8  | 512.9  | 624.4  | 809.1  | 988.2  | 1117.1 |
| 35°   | 276.7  | 276.7  | 276.7  | 276.0  | 276.0  | 275.3  | 274.6  | 273.9  | 273.2  | 272.5  | 271.8  |
| 37.5° | 278.1  | 278.1  | 278.1  | 278.1  | 277.4  | 276.7  | 276.7  | 275.3  | 274.6  | 273.9  | 273.2  |
| 40°   | 278.8  | 279.4  | 279.4  | 279.4  | 278.8  | 278.8  | 278.1  | 276.7  | 276.0  | 274.6  | 273.2  |
| 42.5° | 278.1  | 278.8  | 278.8  | 278.1  | 278.1  | 277.4  | 277.4  | 276.7  | 276.0  | 275.3  | 274.6  |
| 45°   | 269.0  | 269.7  | 268.3  | 268.3  | 267.6  | 267.6  | 267.6  | 267.6  | 267.6  | 268.3  | 268.3  |
| 47.5° | 253.0  | 253.0  | 252.3  | 251.6  | 251.6  | 250.9  | 251.6  | 250.9  | 252.3  | 253.0  | 254.4  |
| 50°   | 234.2  | 234.2  | 232.8  | 232.1  | 232.1  | 232.1  | 232.1  | 232.8  | 233.5  | 234.8  | 236.2  |
| 52.5° | 214.6  | 214.6  | 213.9  | 213.2  | 212.5  | 212.5  | 214.6  | 213.9  | 214.6  | 215.3  | 217.4  |
| 55°   | 195.8  | 196.5  | 195.1  | 195.1  | 194.4  | 194.4  | 194.4  | 195.1  | 195.8  | 196.5  | 198.6  |
| 57.5° | 179.8  | 179.8  | 178.4  | 178.4  | 178.4  | 177.7  | 179.8  | 178.4  | 179.1  | 179.8  | 181.2  |
| 60°   | 163.8  | 163.1  | 163.1  | 162.4  | 162.4  | 162.4  | 163.8  | 163.1  | 163.1  | 163.8  | 165.2  |
| 62.5° | 149.1  | 149.1  | 148.4  | 148.4  | 147.7  | 147.7  | 149.1  | 148.4  | 148.4  | 149.1  | 149.8  |
| 65°   | 132.4  | 132.4  | 131.7  | 131.0  | 133.1  | 131.0  | 133.1  | 131.7  | 133.1  | 133.8  | 135.2  |
| 67.5° | 113.6  | 113.6  | 113.6  | 112.9  | 112.9  | 114.3  | 115.0  | 113.6  | 114.3  | 115.7  | 116.4  |
| 70°   | 96.9   | 96.9   | 96.2   | 96.2   | 96.2   | 97.6   | 98.3   | 96.9   | 97.6   | 98.3   | 99.7   |
| 72.5° | 82.2   | 80.8   | 80.8   | 80.1   | 81.5   | 81.5   | 82.2   | 81.5   | 82.2   | 82.2   | 83.6   |
| 75°   | 67.6   | 66.2   | 66.2   | 66.2   | 67.6   | 66.9   | 67.6   | 66.9   | 67.6   | 67.6   | 68.3   |
| 77.5° | 54.4   | 53.7   | 53.0   | 53.0   | 54.4   | 54.4   | 54.4   | 53.7   | 54.4   | 55.1   | 55.8   |
| 80°   | 42.5   | 41.8   | 41.1   | 41.1   | 42.5   | 42.5   | 42.5   | 43.2   | 42.5   | 43.2   | 43.9   |
| 82.5° | 31.4   | 30.7   | 30.0   | 31.4   | 31.4   | 31.4   | 31.4   | 32.1   | 31.4   | 32.1   | 32.8   |
| 85°   | 20.9   | 20.2   | 19.5   | 20.9   | 20.9   | 20.9   | 20.9   | 21.6   | 20.9   | 21.6   | 22.3   |
| 87.5° | 11.2   | 10.5   | 10.5   | 11.2   | 11.2   | 11.2   | 11.8   | 11.8   | 11.8   | 12.5   | 12.5   |
| 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: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 112.5° | 115°   | 117.5° | 120°   | 122.5° | 125°   | 127.5° | 130°   | 132.5° | 135°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1645.3 | 1647.4 | 1646.7 | 1642.5 | 1638.4 | 1633.5 | 1630.0 | 1630.7 | 1637.7 | 1639.8 | 1633.5 |
| 5°    | 1576.3 | 1589.6 | 1589.6 | 1598.6 | 1593.8 | 1589.6 | 1592.4 | 1607.7 | 1615.4 | 1627.2 | 1631.4 |
| 7.5°  | 1505.3 | 1511.5 | 1510.8 | 1519.9 | 1518.5 | 1518.5 | 1520.6 | 1540.8 | 1550.6 | 1560.3 | 1563.1 |
| 10°   | 1465.5 | 1471.8 | 1471.1 | 1471.8 | 1469.7 | 1464.8 | 1464.8 | 1473.9 | 1482.3 | 1487.1 | 1488.5 |
| 12.5° | 1437.0 | 1440.5 | 1439.8 | 1439.8 | 1438.4 | 1434.2 | 1433.5 | 1441.2 | 1450.2 | 1456.5 | 1457.2 |
| 15°   | 1394.5 | 1404.2 | 1406.3 | 1415.4 | 1413.3 | 1407.7 | 1409.1 | 1415.4 | 1420.9 | 1426.5 | 1424.4 |
| 17.5° | 1331.0 | 1335.9 | 1336.6 | 1340.1 | 1338.7 | 1338.7 | 1347.1 | 1370.1 | 1385.4 | 1398.6 | 1400.0 |
| 20°   | 1294.8 | 1298.3 | 1296.9 | 1304.6 | 1301.1 | 1300.4 | 1302.5 | 1312.2 | 1319.2 | 1325.5 | 1336.6 |
| 22.5° | 1277.4 | 1280.2 | 1278.1 | 1278.8 | 1272.5 | 1266.9 | 1265.5 | 1273.2 | 1280.9 | 1289.2 | 1289.2 |
| 25°   | 1262.7 | 1264.8 | 1264.1 | 1262.7 | 1257.9 | 1250.2 | 1248.8 | 1250.2 | 1253.0 | 1253.7 | 1248.8 |
| 27.5° | 1245.3 | 1246.7 | 1246.7 | 1247.4 | 1241.1 | 1234.2 | 1232.8 | 1231.4 | 1234.2 | 1233.5 | 1225.8 |
| 30°   | 1227.2 | 1225.1 | 1225.8 | 1226.5 | 1220.9 | 1214.7 | 1211.9 | 1211.2 | 1214.0 | 1213.3 | 1205.6 |
| 32.5° | 1184.0 | 1200.0 | 1201.4 | 1202.8 | 1197.9 | 1192.4 | 1189.6 | 1187.5 | 1188.9 | 1188.2 | 1181.2 |
| 35°   | 271.1  | 276.0  | 338.0  | 765.2  | 1039.0 | 1150.6 | 1162.4 | 1159.6 | 1160.3 | 1160.3 | 1154.7 |
| 37.5° | 271.8  | 271.1  | 270.4  | 268.3  | 266.2  | 264.8  | 457.9  | 976.3  | 1131.0 | 1131.7 | 1126.9 |
| 40°   | 271.8  | 271.1  | 270.4  | 269.0  | 266.2  | 264.1  | 260.6  | 257.8  | 264.1  | 581.2  | 1063.4 |
| 42.5° | 273.2  | 271.8  | 270.4  | 269.0  | 266.2  | 263.4  | 260.6  | 257.1  | 259.2  | 257.8  | 254.4  |
| 45°   | 269.0  | 268.3  | 268.3  | 267.6  | 266.2  | 263.4  | 259.9  | 255.8  | 253.7  | 255.8  | 252.3  |
| 47.5° | 255.8  | 256.5  | 258.5  | 259.2  | 259.2  | 259.9  | 257.8  | 255.1  | 251.6  | 253.7  | 249.5  |
| 50°   | 237.6  | 239.0  | 239.7  | 243.2  | 244.6  | 247.4  | 248.1  | 248.1  | 247.4  | 250.2  | 247.4  |
| 52.5° | 218.1  | 219.5  | 223.0  | 224.4  | 225.8  | 230.0  | 231.4  | 233.5  | 234.8  | 239.0  | 241.8  |
| 55°   | 199.3  | 200.0  | 201.4  | 204.2  | 206.3  | 209.8  | 211.9  | 213.9  | 217.4  | 219.5  | 227.9  |
| 57.5° | 181.9  | 182.6  | 185.4  | 186.1  | 187.5  | 190.2  | 192.3  | 195.1  | 197.9  | 199.3  | 209.1  |
| 60°   | 165.2  | 165.9  | 167.9  | 168.6  | 169.3  | 172.1  | 174.2  | 176.3  | 178.4  | 179.8  | 186.8  |
| 62.5° | 150.5  | 150.5  | 152.6  | 152.6  | 153.3  | 155.4  | 156.8  | 158.2  | 160.3  | 161.0  | 164.5  |
| 65°   | 135.9  | 136.6  | 138.0  | 138.0  | 138.7  | 140.1  | 140.8  | 141.5  | 143.6  | 143.6  | 146.3  |
| 67.5° | 117.8  | 118.5  | 120.6  | 122.0  | 122.7  | 125.4  | 126.1  | 126.8  | 128.2  | 128.9  | 130.3  |
| 70°   | 100.4  | 101.0  | 103.1  | 103.8  | 104.5  | 106.6  | 108.0  | 110.1  | 112.2  | 114.3  | 115.7  |
| 72.5° | 84.3   | 85.0   | 87.1   | 87.1   | 89.2   | 89.9   | 91.3   | 92.0   | 94.1   | 95.5   | 97.6   |
| 75°   | 69.0   | 69.7   | 71.8   | 71.8   | 73.9   | 74.6   | 75.3   | 76.0   | 77.4   | 78.7   | 80.1   |
| 77.5° | 56.4   | 56.4   | 59.2   | 60.6   | 62.0   | 62.0   | 62.7   | 62.7   | 62.7   | 63.4   | 64.8   |
| 80°   | 44.6   | 44.6   | 46.7   | 48.1   | 49.5   | 49.5   | 50.2   | 50.9   | 51.6   | 51.6   | 52.3   |
| 82.5° | 33.5   | 33.5   | 35.5   | 36.2   | 37.6   | 37.6   | 37.6   | 38.3   | 39.0   | 38.3   | 39.7   |
| 85°   | 23.0   | 23.0   | 24.4   | 25.1   | 26.5   | 26.5   | 26.5   | 27.2   | 27.9   | 27.2   | 27.9   |
| 87.5° | 13.2   | 13.9   | 14.6   | 15.3   | 16.0   | 16.7   | 16.7   | 16.7   | 17.4   | 17.4   | 18.1   |
| 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: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 137.5° | 140°   | 142.5° | 145°   | 147.5° | 150°   | 152.5° | 155°   | 157.5° | 160°   | 162.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1626.5 | 1618.2 | 1617.5 | 1607.7 | 1604.9 | 1605.6 | 1597.9 | 1595.2 | 1582.6 | 1579.8 | 1566.6 |
| 5°    | 1632.8 | 1637.0 | 1634.9 | 1634.2 | 1636.3 | 1634.9 | 1629.3 | 1626.5 | 1624.4 | 1618.9 | 1607.7 |
| 7.5°  | 1563.8 | 1566.6 | 1568.7 | 1577.7 | 1585.4 | 1598.6 | 1612.6 | 1621.6 | 1628.6 | 1630.0 | 1620.9 |
| 10°   | 1493.4 | 1506.7 | 1515.7 | 1529.7 | 1540.8 | 1548.5 | 1556.8 | 1564.5 | 1584.7 | 1604.9 | 1616.8 |
| 12.5° | 1457.2 | 1460.7 | 1460.0 | 1467.6 | 1475.3 | 1495.5 | 1515.0 | 1526.2 | 1541.5 | 1550.6 | 1572.2 |
| 15°   | 1426.5 | 1427.2 | 1429.3 | 1434.9 | 1439.1 | 1446.0 | 1455.1 | 1471.8 | 1502.5 | 1516.4 | 1528.3 |
| 17.5° | 1398.6 | 1398.6 | 1400.0 | 1404.9 | 1410.5 | 1416.8 | 1422.3 | 1429.3 | 1444.6 | 1467.6 | 1496.9 |
| 20°   | 1354.0 | 1373.6 | 1375.6 | 1374.9 | 1377.7 | 1389.6 | 1391.0 | 1403.5 | 1411.2 | 1420.2 | 1448.8 |
| 22.5° | 1287.8 | 1299.7 | 1316.4 | 1342.2 | 1351.9 | 1357.5 | 1361.7 | 1367.3 | 1379.1 | 1389.6 | 1401.4 |
| 25°   | 1251.6 | 1259.3 | 1264.1 | 1271.8 | 1292.0 | 1324.8 | 1331.0 | 1337.3 | 1345.0 | 1352.6 | 1367.3 |
| 27.5° | 1219.5 | 1218.8 | 1222.3 | 1229.3 | 1234.9 | 1252.3 | 1283.0 | 1307.3 | 1308.7 | 1319.9 | 1332.4 |
| 30°   | 1196.5 | 1192.4 | 1187.5 | 1186.1 | 1193.8 | 1202.8 | 1211.9 | 1250.2 | 1276.7 | 1282.3 | 1295.5 |
| 32.5° | 1174.9 | 1168.0 | 1161.0 | 1155.4 | 1150.6 | 1158.2 | 1163.8 | 1180.5 | 1214.7 | 1246.7 | 1253.7 |
| 35°   | 1148.5 | 1141.5 | 1133.1 | 1126.9 | 1119.2 | 1118.5 | 1117.8 | 1133.8 | 1145.0 | 1183.3 | 1216.8 |
| 37.5° | 1121.3 | 1113.6 | 1106.6 | 1099.7 | 1092.0 | 1086.4 | 1083.0 | 1087.1 | 1097.6 | 1114.3 | 1170.1 |
| 40°   | 1092.7 | 1083.7 | 1076.7 | 1071.1 | 1060.7 | 1056.5 | 1049.5 | 1046.7 | 1047.4 | 1062.0 | 1091.3 |
| 42.5° | 653.0  | 1041.1 | 1044.6 | 1038.4 | 1029.3 | 1023.7 | 1016.1 | 1012.6 | 1005.6 | 1012.6 | 1029.3 |
| 45°   | 251.6  | 254.4  | 761.7  | 1006.3 | 995.1  | 988.2  | 981.2  | 977.7  | 970.1  | 964.5  | 979.8  |
| 47.5° | 246.7  | 249.5  | 243.9  | 345.7  | 949.8  | 951.9  | 943.6  | 940.1  | 932.4  | 928.2  | 924.1  |
| 50°   | 243.2  | 245.3  | 241.1  | 242.5  | 237.6  | 870.4  | 905.2  | 901.1  | 892.7  | 887.8  | 879.5  |
| 52.5° | 239.7  | 239.7  | 236.9  | 233.5  | 232.1  | 232.8  | 732.4  | 861.3  | 851.6  | 846.7  | 835.6  |
| 55°   | 228.6  | 230.0  | 232.8  | 227.2  | 225.8  | 225.1  | 223.0  | 697.6  | 806.3  | 800.7  | 791.0  |
| 57.5° | 211.9  | 214.6  | 222.3  | 220.9  | 220.9  | 215.3  | 213.9  | 213.9  | 647.4  | 754.0  | 744.3  |
| 60°   | 192.3  | 195.1  | 203.5  | 206.3  | 208.4  | 207.0  | 205.6  | 204.9  | 202.1  | 682.2  | 694.8  |
| 62.5° | 172.1  | 174.9  | 177.7  | 186.8  | 189.6  | 193.0  | 197.2  | 195.1  | 192.3  | 192.3  | 642.5  |
| 65°   | 150.5  | 154.7  | 156.1  | 164.5  | 167.9  | 174.2  | 177.7  | 182.6  | 181.2  | 180.5  | 184.0  |
| 67.5° | 131.7  | 136.6  | 137.3  | 140.8  | 147.0  | 149.8  | 154.0  | 163.1  | 167.3  | 168.6  | 170.0  |
| 70°   | 115.7  | 118.5  | 120.6  | 122.0  | 126.1  | 126.8  | 134.5  | 140.8  | 147.0  | 154.0  | 156.1  |
| 72.5° | 99.7   | 101.7  | 105.9  | 104.5  | 105.9  | 108.7  | 112.9  | 117.1  | 123.3  | 133.1  | 139.4  |
| 75°   | 81.5   | 82.9   | 85.7   | 87.1   | 89.9   | 92.0   | 94.8   | 98.3   | 103.8  | 108.7  | 117.1  |
| 77.5° | 65.5   | 66.2   | 68.3   | 69.0   | 71.8   | 73.9   | 78.7   | 80.8   | 84.3   | 87.8   | 92.7   |
| 80°   | 53.0   | 53.0   | 53.7   | 53.7   | 55.8   | 57.8   | 61.3   | 63.4   | 67.6   | 70.4   | 70.4   |
| 82.5° | 40.4   | 40.4   | 42.5   | 42.5   | 43.9   | 43.9   | 46.0   | 46.0   | 48.1   | 49.5   | 50.9   |
| 85°   | 28.6   | 29.3   | 30.7   | 30.0   | 31.4   | 30.7   | 32.1   | 33.5   | 34.1   | 33.5   | 32.8   |
| 87.5° | 18.8   | 18.8   | 20.2   | 19.5   | 20.2   | 20.2   | 21.6   | 21.6   | 22.3   | 22.3   | 21.6   |
| 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: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 167.5° | 170°   | 172.5° | 175°   | 177.5° | 180°   | 182.5° | 185°   | 187.5° | 190°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1561.7 | 1551.3 | 1545.0 | 1537.3 | 1535.2 | 1533.1 | 1535.9 | 1535.9 | 1531.7 | 1528.3 | 1522.0 |
| 5°    | 1597.9 | 1586.8 | 1575.0 | 1562.4 | 1550.6 | 1538.0 | 1533.1 | 1532.4 | 1524.8 | 1520.6 | 1518.5 |
| 7.5°  | 1616.8 | 1611.2 | 1597.9 | 1580.5 | 1562.4 | 1540.1 | 1530.4 | 1524.8 | 1517.1 | 1515.7 | 1515.7 |
| 10°   | 1618.9 | 1612.6 | 1605.6 | 1593.1 | 1572.2 | 1542.9 | 1524.1 | 1512.9 | 1506.0 | 1510.8 | 1519.9 |
| 12.5° | 1598.6 | 1610.5 | 1604.2 | 1595.9 | 1579.1 | 1543.6 | 1516.4 | 1499.7 | 1497.6 | 1510.1 | 1533.8 |
| 15°   | 1547.1 | 1581.9 | 1599.3 | 1591.0 | 1577.7 | 1542.2 | 1503.9 | 1484.4 | 1484.4 | 1510.1 | 1540.8 |
| 17.5° | 1508.1 | 1535.2 | 1577.7 | 1584.7 | 1569.4 | 1539.4 | 1492.0 | 1469.0 | 1475.3 | 1512.9 | 1545.7 |
| 20°   | 1476.0 | 1492.7 | 1533.8 | 1572.9 | 1558.2 | 1533.1 | 1474.6 | 1450.9 | 1463.5 | 1508.7 | 1552.7 |
| 22.5° | 1425.8 | 1459.3 | 1484.4 | 1542.2 | 1547.1 | 1521.3 | 1457.2 | 1428.6 | 1453.7 | 1508.7 | 1549.2 |
| 25°   | 1377.0 | 1417.5 | 1443.9 | 1500.4 | 1530.4 | 1506.7 | 1441.2 | 1404.9 | 1443.2 | 1506.7 | 1546.4 |
| 27.5° | 1342.9 | 1361.7 | 1409.8 | 1450.2 | 1505.3 | 1487.1 | 1419.5 | 1379.1 | 1430.0 | 1495.5 | 1530.4 |
| 30°   | 1306.7 | 1319.2 | 1366.6 | 1404.9 | 1471.8 | 1464.8 | 1397.2 | 1350.6 | 1413.3 | 1485.1 | 1488.5 |
| 32.5° | 1266.9 | 1280.9 | 1305.3 | 1361.0 | 1425.1 | 1443.9 | 1372.2 | 1322.0 | 1395.2 | 1469.0 | 1439.8 |
| 35°   | 1226.5 | 1237.0 | 1256.5 | 1316.4 | 1370.8 | 1412.6 | 1341.5 | 1289.2 | 1382.6 | 1444.6 | 1393.1 |
| 37.5° | 1186.1 | 1197.2 | 1214.0 | 1264.1 | 1313.6 | 1383.3 | 1315.0 | 1256.5 | 1359.6 | 1401.4 | 1344.3 |
| 40°   | 1147.8 | 1154.0 | 1171.5 | 1202.8 | 1266.2 | 1353.3 | 1285.0 | 1222.3 | 1335.9 | 1346.4 | 1278.1 |
| 42.5° | 1077.4 | 1108.7 | 1124.8 | 1149.9 | 1212.6 | 1312.2 | 1250.2 | 1186.1 | 1309.4 | 1291.3 | 1211.9 |
| 45°   | 1001.4 | 1069.7 | 1076.7 | 1101.8 | 1165.2 | 1268.3 | 1217.5 | 1150.6 | 1284.4 | 1243.9 | 1149.2 |
| 47.5° | 939.4  | 988.9  | 1029.3 | 1050.2 | 1108.7 | 1216.8 | 1186.8 | 1120.6 | 1246.7 | 1184.0 | 1087.8 |
| 50°   | 884.3  | 910.8  | 984.0  | 999.3  | 1041.1 | 1154.7 | 1150.6 | 1085.7 | 1194.5 | 1108.7 | 1027.9 |
| 52.5° | 830.7  | 849.5  | 915.7  | 948.5  | 982.6  | 1087.8 | 1107.3 | 1051.6 | 1137.3 | 1033.5 | 967.3  |
| 55°   | 784.0  | 790.3  | 826.5  | 895.5  | 926.2  | 1020.2 | 1060.0 | 1011.9 | 1064.8 | 961.7  | 908.7  |
| 57.5° | 735.9  | 730.3  | 756.8  | 845.3  | 867.6  | 951.2  | 1009.8 | 971.5  | 1006.3 | 888.5  | 848.1  |
| 60°   | 685.7  | 678.1  | 689.2  | 747.8  | 805.6  | 882.9  | 950.5  | 926.9  | 935.2  | 816.0  | 780.5  |
| 62.5° | 633.5  | 625.8  | 622.3  | 659.2  | 745.0  | 812.6  | 890.6  | 877.4  | 848.1  | 749.8  | 696.9  |
| 65°   | 579.1  | 571.4  | 565.9  | 580.5  | 678.1  | 721.3  | 823.7  | 820.2  | 752.6  | 680.2  | 586.8  |
| 67.5° | 176.3  | 519.9  | 508.0  | 507.3  | 571.4  | 638.3  | 751.2  | 745.7  | 656.5  | 605.6  | 505.2  |
| 70°   | 158.9  | 421.6  | 448.1  | 441.8  | 469.7  | 554.0  | 668.3  | 664.1  | 563.1  | 485.7  | 446.7  |
| 72.5° | 145.6  | 149.1  | 395.8  | 388.9  | 395.1  | 471.1  | 581.9  | 570.7  | 477.4  | 383.3  | 386.1  |
| 75°   | 124.7  | 131.0  | 136.6  | 328.2  | 319.9  | 390.3  | 487.8  | 470.4  | 393.7  | 316.4  | 322.7  |
| 77.5° | 101.7  | 109.4  | 113.6  | 239.0  | 258.5  | 278.1  | 389.6  | 366.6  | 271.1  | 253.0  | 120.6  |
| 80°   | 76.0   | 82.2   | 89.2   | 95.5   | 196.5  | 194.4  | 289.2  | 266.2  | 188.9  | 157.5  | 94.1   |
| 82.5° | 55.8   | 57.8   | 62.0   | 69.0   | 78.1   | 130.3  | 186.1  | 163.8  | 131.0  | 71.8   | 64.8   |
| 85°   | 34.8   | 37.6   | 39.7   | 41.8   | 47.4   | 78.1   | 92.0   | 73.2   | 55.1   | 43.9   | 41.1   |
| 87.5° | 22.3   | 22.3   | 21.6   | 22.3   | 23.0   | 27.9   | 31.4   | 30.0   | 23.7   | 22.3   | 22.3   |
| 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: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 192.5° | 195°   | 197.5° | 200°   | 202.5° | 205°   | 207.5° | 210°   | 212.5° | 215°   | 217.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1515.0 | 1505.3 | 1505.3 | 1502.5 | 1504.6 | 1504.6 | 1503.9 | 1504.6 | 1509.4 | 1512.2 | 1517.1 |
| 5°    | 1514.3 | 1511.5 | 1517.8 | 1525.5 | 1534.5 | 1545.7 | 1548.5 | 1558.2 | 1567.3 | 1579.1 | 1591.7 |
| 7.5°  | 1523.4 | 1533.1 | 1545.0 | 1557.5 | 1575.6 | 1588.9 | 1600.7 | 1612.6 | 1620.9 | 1632.1 | 1639.1 |
| 10°   | 1536.6 | 1556.1 | 1576.3 | 1592.4 | 1611.9 | 1623.0 | 1630.7 | 1632.1 | 1620.2 | 1601.4 | 1586.1 |
| 12.5° | 1555.4 | 1578.4 | 1597.3 | 1612.6 | 1621.6 | 1617.5 | 1595.2 | 1572.2 | 1558.9 | 1539.4 | 1512.2 |
| 15°   | 1571.5 | 1592.4 | 1611.9 | 1605.6 | 1581.2 | 1558.2 | 1540.8 | 1513.6 | 1487.1 | 1469.0 | 1457.2 |
| 17.5° | 1578.4 | 1598.6 | 1591.7 | 1558.9 | 1535.9 | 1509.4 | 1473.9 | 1453.0 | 1435.6 | 1421.6 | 1414.7 |
| 20°   | 1582.6 | 1579.1 | 1541.5 | 1517.8 | 1473.2 | 1448.8 | 1425.8 | 1406.3 | 1393.1 | 1386.1 | 1384.7 |
| 22.5° | 1571.5 | 1529.0 | 1496.9 | 1454.4 | 1421.6 | 1401.4 | 1383.3 | 1367.3 | 1358.2 | 1352.6 | 1349.2 |
| 25°   | 1534.5 | 1485.1 | 1437.7 | 1404.2 | 1376.3 | 1358.9 | 1345.0 | 1331.7 | 1320.6 | 1317.8 | 1310.8 |
| 27.5° | 1483.0 | 1442.5 | 1379.8 | 1354.0 | 1329.6 | 1321.3 | 1306.0 | 1292.7 | 1283.0 | 1274.6 | 1252.3 |
| 30°   | 1440.5 | 1376.3 | 1331.0 | 1307.3 | 1292.7 | 1283.0 | 1265.5 | 1251.6 | 1234.9 | 1204.2 | 1191.7 |
| 32.5° | 1388.2 | 1324.8 | 1281.6 | 1268.3 | 1250.2 | 1241.8 | 1222.3 | 1191.7 | 1165.9 | 1153.3 | 1152.6 |
| 35°   | 1320.6 | 1268.3 | 1237.0 | 1225.1 | 1210.5 | 1196.5 | 1156.1 | 1128.3 | 1115.7 | 1117.1 | 1127.6 |
| 37.5° | 1264.1 | 1217.5 | 1197.2 | 1180.5 | 1163.8 | 1128.3 | 1094.1 | 1080.9 | 1084.3 | 1091.3 | 1096.2 |
| 40°   | 1207.0 | 1171.5 | 1148.5 | 1135.2 | 1097.6 | 1062.7 | 1044.6 | 1049.5 | 1055.8 | 1060.7 | 1066.9 |
| 42.5° | 1151.2 | 1126.2 | 1103.2 | 1077.4 | 1025.8 | 1007.0 | 1011.2 | 1017.4 | 1023.0 | 1030.0 | 1036.3 |
| 45°   | 1098.3 | 1076.0 | 1049.5 | 991.0  | 965.2  | 970.1  | 976.3  | 981.2  | 989.6  | 994.4  | 1000.7 |
| 47.5° | 1048.1 | 1024.4 | 977.7  | 926.2  | 923.4  | 933.1  | 938.7  | 945.0  | 951.2  | 938.7  | 517.8  |
| 50°   | 991.7  | 967.3  | 896.2  | 876.7  | 882.9  | 892.0  | 899.0  | 905.2  | 806.3  | 320.6  | 246.7  |
| 52.5° | 935.9  | 873.9  | 828.6  | 834.2  | 840.4  | 850.9  | 855.8  | 635.6  | 253.0  | 241.1  | 241.8  |
| 55°   | 873.9  | 794.4  | 781.2  | 788.2  | 793.7  | 804.2  | 533.1  | 233.5  | 232.1  | 231.4  | 236.9  |
| 57.5° | 776.3  | 728.2  | 733.8  | 740.8  | 746.4  | 526.8  | 227.2  | 225.8  | 226.5  | 227.2  | 227.9  |
| 60°   | 689.2  | 678.8  | 685.0  | 691.3  | 489.2  | 219.5  | 215.3  | 216.0  | 218.8  | 216.7  | 211.2  |
| 62.5° | 620.2  | 628.6  | 634.9  | 556.1  | 208.4  | 206.3  | 208.4  | 206.3  | 201.4  | 197.9  | 190.9  |
| 65°   | 567.3  | 575.6  | 580.5  | 195.8  | 195.1  | 197.9  | 195.8  | 188.9  | 181.2  | 171.4  | 169.3  |
| 67.5° | 511.5  | 519.9  | 186.1  | 181.2  | 184.0  | 180.5  | 172.1  | 163.8  | 158.2  | 149.8  | 146.3  |
| 70°   | 453.7  | 194.4  | 168.6  | 167.9  | 163.1  | 157.5  | 148.4  | 140.1  | 133.1  | 129.6  | 126.1  |
| 72.5° | 327.5  | 154.0  | 151.9  | 146.3  | 138.0  | 130.3  | 122.7  | 117.8  | 114.3  | 112.2  | 110.1  |
| 75°   | 136.6  | 133.8  | 127.5  | 117.8  | 109.4  | 105.9  | 100.4  | 96.9   | 95.5   | 91.3   | 89.9   |
| 77.5° | 114.3  | 108.7  | 99.7   | 92.7   | 87.8   | 85.7   | 81.5   | 77.4   | 75.3   | 74.6   | 71.8   |
| 80°   | 87.8   | 80.1   | 76.0   | 72.5   | 71.1   | 66.2   | 61.3   | 59.2   | 57.8   | 57.1   | 55.1   |
| 82.5° | 59.9   | 57.1   | 54.4   | 49.5   | 49.5   | 47.4   | 45.3   | 43.9   | 42.5   | 42.5   | 41.1   |
| 85°   | 39.0   | 36.9   | 36.2   | 34.1   | 34.1   | 32.8   | 32.1   | 31.4   | 30.7   | 30.0   | 29.3   |
| 87.5° | 22.3   | 22.3   | 23.0   | 22.3   | 22.3   | 21.6   | 20.9   | 20.2   | 19.5   | 19.5   | 18.1   |
| 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: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 222.5° | 225°   | 227.5° | 230°   | 232.5° | 235°   | 237.5° | 240°   | 242.5° | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1523.4 | 1530.4 | 1531.7 | 1555.4 | 1568.7 | 1568.0 | 1563.8 | 1576.3 | 1568.7 | 1564.5 | 1568.7 |
| 5°    | 1604.2 | 1612.6 | 1619.6 | 1645.3 | 1654.4 | 1658.6 | 1657.9 | 1664.8 | 1659.3 | 1654.4 | 1654.4 |
| 7.5°  | 1643.9 | 1646.7 | 1649.5 | 1643.2 | 1639.1 | 1632.1 | 1621.6 | 1606.3 | 1598.6 | 1590.3 | 1579.8 |
| 10°   | 1578.4 | 1569.4 | 1572.9 | 1560.3 | 1549.9 | 1542.2 | 1532.4 | 1519.9 | 1509.4 | 1501.8 | 1489.9 |
| 12.5° | 1498.3 | 1497.6 | 1499.0 | 1501.1 | 1490.6 | 1484.4 | 1476.7 | 1467.6 | 1460.0 | 1451.6 | 1441.8 |
| 15°   | 1449.5 | 1450.2 | 1455.8 | 1453.7 | 1450.2 | 1446.7 | 1438.4 | 1435.6 | 1428.6 | 1419.5 | 1414.0 |
| 17.5° | 1414.7 | 1418.2 | 1423.7 | 1420.9 | 1415.4 | 1411.9 | 1405.6 | 1399.3 | 1393.1 | 1386.1 | 1377.7 |
| 20°   | 1384.0 | 1387.5 | 1391.0 | 1387.5 | 1377.0 | 1372.2 | 1363.8 | 1344.3 | 1330.3 | 1316.4 | 1303.9 |
| 22.5° | 1350.6 | 1352.6 | 1349.9 | 1338.7 | 1312.2 | 1299.7 | 1289.9 | 1284.4 | 1272.5 | 1264.8 | 1257.2 |
| 25°   | 1308.7 | 1296.9 | 1278.8 | 1266.2 | 1255.8 | 1250.2 | 1246.0 | 1245.3 | 1243.9 | 1242.5 | 1239.1 |
| 27.5° | 1240.4 | 1236.3 | 1226.5 | 1221.6 | 1222.3 | 1224.4 | 1225.1 | 1227.2 | 1225.1 | 1222.3 | 1219.5 |
| 30°   | 1189.6 | 1191.7 | 1192.4 | 1193.8 | 1197.2 | 1199.3 | 1200.0 | 1202.8 | 1201.4 | 1199.3 | 1197.9 |
| 32.5° | 1157.5 | 1162.4 | 1165.2 | 1169.4 | 1171.5 | 1174.9 | 1174.9 | 1179.1 | 1174.9 | 1174.2 | 1172.9 |
| 35°   | 1131.0 | 1135.2 | 1136.6 | 1142.9 | 1145.0 | 1148.5 | 1148.5 | 1151.9 | 1148.5 | 1112.9 | 878.8  |
| 37.5° | 1104.6 | 1108.7 | 1111.5 | 1117.1 | 1117.8 | 1119.9 | 1033.5 | 756.1  | 487.8  | 377.7  | 288.5  |
| 40°   | 1073.2 | 1078.1 | 1080.9 | 1083.0 | 761.0  | 482.9  | 332.4  | 270.4  | 270.4  | 272.5  | 274.6  |
| 42.5° | 1039.7 | 1043.2 | 726.8  | 423.0  | 263.4  | 262.7  | 264.8  | 266.9  | 269.0  | 271.8  | 274.6  |
| 45°   | 817.4  | 412.6  | 262.0  | 255.8  | 257.8  | 260.6  | 263.4  | 266.2  | 269.7  | 272.5  | 273.9  |
| 47.5° | 268.3  | 251.6  | 255.1  | 252.3  | 255.8  | 259.2  | 262.0  | 264.8  | 265.5  | 266.2  | 265.5  |
| 50°   | 248.1  | 248.1  | 250.2  | 250.2  | 253.0  | 254.4  | 254.4  | 254.4  | 251.6  | 250.9  | 248.8  |
| 52.5° | 239.7  | 245.3  | 242.5  | 243.9  | 242.5  | 240.4  | 238.3  | 236.2  | 232.1  | 230.7  | 227.9  |
| 55°   | 235.5  | 237.6  | 230.7  | 228.6  | 225.8  | 220.2  | 217.4  | 214.6  | 211.2  | 209.8  | 206.3  |
| 57.5° | 225.8  | 220.9  | 213.2  | 209.8  | 204.9  | 199.3  | 196.5  | 194.4  | 190.9  | 189.6  | 187.5  |
| 60°   | 207.7  | 197.9  | 193.0  | 188.9  | 183.3  | 178.4  | 176.3  | 174.9  | 172.1  | 171.4  | 169.3  |
| 62.5° | 185.4  | 177.0  | 172.8  | 167.3  | 163.1  | 160.3  | 158.2  | 157.5  | 154.7  | 154.7  | 153.3  |
| 65°   | 161.0  | 156.8  | 153.3  | 147.7  | 145.6  | 142.9  | 142.2  | 141.5  | 140.1  | 139.4  | 138.0  |
| 67.5° | 141.5  | 138.7  | 133.8  | 131.0  | 129.6  | 127.5  | 126.1  | 124.7  | 122.0  | 120.6  | 118.5  |
| 70°   | 124.0  | 122.0  | 117.1  | 115.0  | 112.2  | 108.7  | 106.6  | 105.2  | 103.1  | 101.7  | 99.7   |
| 72.5° | 107.3  | 101.0  | 97.6   | 95.5   | 93.4   | 89.9   | 89.2   | 87.8   | 85.7   | 85.0   | 82.9   |
| 75°   | 86.4   | 81.5   | 79.4   | 78.1   | 76.0   | 73.9   | 73.9   | 73.9   | 71.8   | 71.1   | 70.4   |
| 77.5° | 69.0   | 66.2   | 64.8   | 63.4   | 62.7   | 61.3   | 59.2   | 58.5   | 56.4   | 56.4   | 55.8   |
| 80°   | 53.0   | 51.6   | 50.2   | 49.5   | 48.8   | 47.4   | 46.0   | 45.3   | 43.2   | 43.2   | 42.5   |
| 82.5° | 39.0   | 38.3   | 37.6   | 36.9   | 36.2   | 35.5   | 33.5   | 32.8   | 31.4   | 31.4   | 30.7   |
| 85°   | 27.9   | 27.2   | 25.8   | 25.1   | 25.1   | 24.4   | 22.3   | 21.6   | 20.2   | 20.2   | 20.2   |
| 87.5° | 17.4   | 16.7   | 16.0   | 15.3   | 14.6   | 13.9   | 12.5   | 11.8   | 11.8   | 10.5   | 9.8    |
| 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: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°   | 252.5° | 255°   | 257.5° | 260°   | 262.5° | 265°   | 267.5° | 270°   | 272.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1560.3 | 1572.2 | 1570.8 | 1579.1 | 1581.2 | 1585.4 | 1586.8 | 1587.5 | 1577.0 | 1585.4 | 1586.1 |
| 5°    | 1652.3 | 1654.4 | 1655.8 | 1659.3 | 1662.8 | 1663.5 | 1660.0 | 1655.8 | 1657.2 | 1654.4 | 1647.4 |
| 7.5°  | 1578.4 | 1568.0 | 1565.9 | 1563.1 | 1561.7 | 1560.3 | 1554.0 | 1559.6 | 1553.3 | 1550.6 | 1540.8 |
| 10°   | 1487.8 | 1478.1 | 1477.4 | 1477.4 | 1479.5 | 1478.8 | 1477.4 | 1474.6 | 1480.2 | 1476.7 | 1474.6 |
| 12.5° | 1440.5 | 1437.0 | 1439.1 | 1437.7 | 1443.2 | 1444.6 | 1443.2 | 1443.2 | 1441.8 | 1439.1 | 1440.5 |
| 15°   | 1411.9 | 1409.1 | 1411.2 | 1409.1 | 1413.3 | 1414.0 | 1410.5 | 1412.6 | 1409.1 | 1405.6 | 1404.2 |
| 17.5° | 1374.2 | 1368.0 | 1363.1 | 1356.1 | 1356.8 | 1355.4 | 1351.3 | 1351.3 | 1347.8 | 1338.7 | 1339.4 |
| 20°   | 1301.8 | 1295.5 | 1292.7 | 1292.7 | 1296.2 | 1297.6 | 1296.9 | 1298.3 | 1294.8 | 1293.4 | 1287.8 |
| 22.5° | 1256.5 | 1255.8 | 1257.2 | 1260.7 | 1266.2 | 1273.9 | 1274.6 | 1274.6 | 1274.6 | 1273.9 | 1266.9 |
| 25°   | 1240.4 | 1240.4 | 1241.8 | 1246.7 | 1250.9 | 1256.5 | 1257.9 | 1259.3 | 1257.9 | 1257.9 | 1251.6 |
| 27.5° | 1222.3 | 1220.9 | 1223.7 | 1228.6 | 1233.5 | 1237.7 | 1241.1 | 1241.8 | 1239.8 | 1239.8 | 1241.8 |
| 30°   | 1200.0 | 1199.3 | 1202.8 | 1207.7 | 1211.9 | 1216.1 | 1219.5 | 1222.3 | 1219.5 | 1219.5 | 1217.5 |
| 32.5° | 1177.0 | 1177.0 | 1178.4 | 1149.2 | 1065.5 | 959.6  | 961.7  | 900.4  | 857.9  | 804.2  | 875.3  |
| 35°   | 734.5  | 534.5  | 459.2  | 388.9  | 339.4  | 307.3  | 306.6  | 296.2  | 291.3  | 287.8  | 287.1  |
| 37.5° | 277.4  | 278.8  | 281.5  | 282.9  | 285.0  | 286.4  | 287.1  | 287.1  | 287.1  | 287.1  | 286.4  |
| 40°   | 276.7  | 279.4  | 281.5  | 283.6  | 285.7  | 287.1  | 287.1  | 287.8  | 288.5  | 288.5  | 288.5  |
| 42.5° | 277.4  | 280.1  | 282.9  | 285.0  | 286.4  | 287.1  | 287.8  | 288.5  | 288.5  | 288.5  | 288.5  |
| 45°   | 276.7  | 278.1  | 278.1  | 278.8  | 278.8  | 278.8  | 279.4  | 279.4  | 278.8  | 278.1  | 279.4  |
| 47.5° | 266.2  | 266.2  | 264.1  | 263.4  | 262.7  | 261.3  | 262.0  | 261.3  | 260.6  | 259.9  | 261.3  |
| 50°   | 248.1  | 245.3  | 243.9  | 242.5  | 241.8  | 240.4  | 241.1  | 240.4  | 239.7  | 238.3  | 240.4  |
| 52.5° | 226.5  | 225.8  | 223.0  | 221.6  | 220.9  | 221.6  | 220.2  | 219.5  | 218.8  | 218.1  | 218.8  |
| 55°   | 205.6  | 202.8  | 202.1  | 200.7  | 200.0  | 200.7  | 200.0  | 199.3  | 198.6  | 197.9  | 198.6  |
| 57.5° | 186.8  | 184.7  | 184.0  | 182.6  | 182.6  | 182.6  | 182.6  | 181.9  | 181.2  | 180.5  | 181.2  |
| 60°   | 168.6  | 167.3  | 166.6  | 166.6  | 165.9  | 165.9  | 165.9  | 165.2  | 164.5  | 164.5  | 165.2  |
| 62.5° | 153.3  | 153.3  | 151.2  | 150.5  | 150.5  | 151.2  | 150.5  | 149.8  | 149.1  | 148.4  | 149.8  |
| 65°   | 137.3  | 134.5  | 133.8  | 132.4  | 131.0  | 131.7  | 131.0  | 130.3  | 129.6  | 128.9  | 130.3  |
| 67.5° | 117.8  | 117.1  | 114.3  | 112.9  | 112.2  | 112.9  | 112.2  | 111.5  | 110.8  | 110.1  | 111.5  |
| 70°   | 99.0   | 99.0   | 96.2   | 95.5   | 94.8   | 94.8   | 94.1   | 94.1   | 93.4   | 92.7   | 94.1   |
| 72.5° | 82.2   | 82.2   | 81.5   | 80.1   | 79.4   | 78.7   | 78.1   | 77.4   | 77.4   | 78.1   | 78.1   |
| 75°   | 68.3   | 66.9   | 64.1   | 64.8   | 64.1   | 63.4   | 63.4   | 62.7   | 62.0   | 63.4   | 62.7   |
| 77.5° | 53.7   | 53.0   | 50.9   | 51.6   | 50.9   | 50.2   | 50.2   | 49.5   | 48.8   | 49.5   | 49.5   |
| 80°   | 40.4   | 40.4   | 39.7   | 39.0   | 39.0   | 38.3   | 37.6   | 37.6   | 36.9   | 37.6   | 37.6   |
| 82.5° | 29.3   | 29.3   | 28.6   | 27.9   | 27.2   | 27.2   | 26.5   | 26.5   | 26.5   | 26.5   | 26.5   |
| 85°   | 18.8   | 18.1   | 18.1   | 16.7   | 16.7   | 16.7   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   |
| 87.5° | 9.1    | 9.1    | 8.4    | 8.4    | 7.7    | 7.0    | 7.0    | 6.3    | 6.3    | 7.0    | 7.0    |
| 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: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 277.5° | 280°   | 282.5° | 285°   | 287.5° | 290°   | 292.5° | 295°   | 297.5° | 300°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1573.6 | 1582.6 | 1575.0 | 1578.4 | 1579.1 | 1591.0 | 1590.3 | 1593.1 | 1588.2 | 1582.6 | 1575.0 |
| 5°    | 1653.7 | 1649.5 | 1643.9 | 1657.2 | 1650.2 | 1658.6 | 1661.4 | 1666.9 | 1666.9 | 1666.2 | 1660.0 |
| 7.5°  | 1551.3 | 1542.2 | 1549.2 | 1554.0 | 1556.1 | 1550.6 | 1561.7 | 1574.3 | 1584.7 | 1591.0 | 1591.7 |
| 10°   | 1471.1 | 1473.9 | 1473.2 | 1475.3 | 1480.2 | 1479.5 | 1486.4 | 1493.4 | 1496.2 | 1500.4 | 1501.8 |
| 12.5° | 1433.5 | 1432.8 | 1434.2 | 1439.1 | 1441.8 | 1441.2 | 1448.1 | 1452.3 | 1453.7 | 1454.4 | 1453.7 |
| 15°   | 1403.5 | 1398.6 | 1402.1 | 1402.8 | 1404.9 | 1404.9 | 1413.3 | 1419.5 | 1422.3 | 1423.7 | 1422.3 |
| 17.5° | 1347.1 | 1335.2 | 1346.4 | 1346.4 | 1354.0 | 1352.6 | 1365.9 | 1376.3 | 1381.9 | 1386.1 | 1386.1 |
| 20°   | 1291.3 | 1285.7 | 1289.9 | 1288.5 | 1294.1 | 1293.4 | 1301.8 | 1308.7 | 1313.6 | 1317.1 | 1321.3 |
| 22.5° | 1269.0 | 1270.4 | 1264.1 | 1264.8 | 1264.8 | 1264.1 | 1268.3 | 1271.8 | 1273.2 | 1275.3 | 1273.9 |
| 25°   | 1254.4 | 1255.8 | 1253.7 | 1250.2 | 1248.8 | 1250.2 | 1252.3 | 1256.5 | 1257.2 | 1255.8 | 1250.9 |
| 27.5° | 1239.8 | 1235.6 | 1239.1 | 1232.8 | 1231.4 | 1234.2 | 1237.0 | 1237.7 | 1238.4 | 1238.4 | 1234.2 |
| 30°   | 1217.5 | 1214.0 | 1217.5 | 1214.7 | 1211.9 | 1214.7 | 1216.8 | 1216.8 | 1218.1 | 1218.8 | 1214.0 |
| 32.5° | 850.9  | 857.9  | 970.8  | 1039.0 | 1135.2 | 1184.0 | 1193.1 | 1193.1 | 1194.5 | 1194.5 | 1190.3 |
| 35°   | 289.9  | 290.6  | 314.3  | 340.8  | 397.2  | 466.9  | 558.2  | 605.6  | 765.9  | 957.5  | 1142.9 |
| 37.5° | 286.4  | 285.7  | 285.0  | 284.3  | 283.6  | 282.9  | 281.5  | 280.8  | 285.0  | 338.0  | 458.5  |
| 40°   | 287.8  | 287.1  | 285.7  | 285.0  | 284.3  | 282.9  | 282.2  | 280.8  | 279.4  | 278.1  | 276.7  |
| 42.5° | 287.8  | 287.1  | 286.4  | 285.7  | 285.0  | 284.3  | 282.9  | 281.5  | 280.1  | 278.1  | 276.0  |
| 45°   | 278.1  | 278.1  | 278.8  | 278.8  | 279.4  | 279.4  | 279.4  | 278.8  | 278.8  | 278.1  | 275.3  |
| 47.5° | 259.9  | 259.9  | 262.0  | 262.0  | 263.4  | 264.8  | 264.8  | 266.2  | 268.3  | 269.7  | 270.4  |
| 50°   | 239.0  | 239.0  | 241.1  | 241.8  | 243.2  | 245.3  | 247.4  | 248.1  | 250.2  | 253.0  | 255.8  |
| 52.5° | 218.1  | 218.1  | 220.2  | 220.2  | 221.6  | 223.7  | 225.8  | 226.5  | 229.3  | 232.1  | 235.5  |
| 55°   | 198.6  | 198.6  | 200.0  | 200.7  | 201.4  | 202.8  | 204.9  | 204.9  | 207.7  | 209.8  | 213.2  |
| 57.5° | 181.2  | 182.6  | 182.6  | 182.6  | 183.3  | 184.7  | 186.1  | 186.1  | 188.2  | 190.2  | 193.0  |
| 60°   | 164.5  | 165.9  | 165.9  | 165.9  | 166.6  | 167.3  | 168.6  | 168.6  | 170.0  | 171.4  | 174.2  |
| 62.5° | 149.1  | 150.5  | 150.5  | 151.2  | 151.2  | 151.9  | 153.3  | 152.6  | 154.0  | 154.7  | 156.8  |
| 65°   | 129.6  | 131.0  | 131.7  | 132.4  | 133.1  | 134.5  | 136.6  | 135.9  | 138.0  | 139.4  | 141.5  |
| 67.5° | 110.8  | 112.2  | 112.2  | 112.9  | 113.6  | 115.0  | 116.4  | 116.4  | 118.5  | 119.9  | 122.7  |
| 70°   | 93.4   | 94.8   | 94.8   | 95.5   | 96.2   | 97.6   | 99.0   | 98.3   | 100.4  | 101.7  | 103.8  |
| 72.5° | 77.4   | 78.7   | 78.7   | 79.4   | 79.4   | 80.8   | 82.2   | 83.6   | 83.6   | 85.0   | 86.4   |
| 75°   | 62.7   | 63.4   | 64.1   | 64.1   | 64.8   | 65.5   | 66.9   | 68.3   | 69.0   | 69.7   | 71.1   |
| 77.5° | 49.5   | 50.2   | 50.9   | 50.9   | 51.6   | 52.3   | 53.0   | 55.8   | 57.1   | 57.8   | 57.8   |
| 80°   | 37.6   | 38.3   | 38.3   | 38.3   | 39.0   | 39.7   | 41.1   | 41.1   | 43.9   | 43.9   | 44.6   |
| 82.5° | 26.5   | 27.2   | 27.2   | 27.2   | 27.9   | 29.3   | 30.0   | 30.7   | 32.1   | 32.8   | 32.8   |
| 85°   | 16.0   | 16.7   | 16.7   | 16.7   | 17.4   | 18.1   | 19.5   | 20.2   | 20.9   | 20.9   | 21.6   |
| 87.5° | 6.3    | 7.0    | 7.7    | 7.7    | 8.4    | 9.1    | 9.8    | 10.5   | 11.2   | 11.2   | 11.8   |
| 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: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 302.5° | 305°   | 307.5° | 310°   | 312.5° | 315°   | 317.5° | 320°   | 322.5° | 325°   | 327.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1566.6 | 1571.5 | 1566.6 | 1569.4 | 1572.9 | 1566.6 | 1552.0 | 1546.4 | 1544.3 | 1535.9 | 1530.4 |
| 5°    | 1653.7 | 1653.7 | 1651.6 | 1657.2 | 1656.5 | 1646.7 | 1631.4 | 1624.4 | 1617.5 | 1608.4 | 1601.4 |
| 7.5°  | 1591.7 | 1597.3 | 1600.7 | 1622.3 | 1636.3 | 1637.7 | 1647.4 | 1649.5 | 1652.3 | 1649.5 | 1645.3 |
| 10°   | 1502.5 | 1500.4 | 1510.1 | 1530.4 | 1542.2 | 1548.5 | 1567.3 | 1576.3 | 1584.0 | 1599.3 | 1615.4 |
| 12.5° | 1452.3 | 1455.1 | 1459.3 | 1473.9 | 1485.1 | 1482.3 | 1489.9 | 1496.2 | 1505.3 | 1520.6 | 1543.6 |
| 15°   | 1418.9 | 1421.6 | 1425.8 | 1437.0 | 1443.9 | 1440.5 | 1444.6 | 1448.8 | 1455.1 | 1462.8 | 1476.7 |
| 17.5° | 1382.6 | 1387.5 | 1392.4 | 1404.2 | 1410.5 | 1409.8 | 1413.3 | 1414.7 | 1416.8 | 1421.6 | 1431.4 |
| 20°   | 1326.2 | 1341.5 | 1351.3 | 1367.3 | 1376.3 | 1374.9 | 1381.2 | 1383.3 | 1386.1 | 1391.0 | 1395.2 |
| 22.5° | 1274.6 | 1278.8 | 1283.7 | 1301.1 | 1316.4 | 1335.2 | 1339.4 | 1345.0 | 1351.9 | 1356.8 | 1361.0 |
| 25°   | 1245.3 | 1242.5 | 1244.6 | 1256.5 | 1264.8 | 1266.2 | 1272.5 | 1290.6 | 1309.4 | 1317.8 | 1327.6 |
| 27.5° | 1227.9 | 1225.1 | 1224.4 | 1230.0 | 1231.4 | 1227.9 | 1226.5 | 1232.1 | 1246.0 | 1260.0 | 1289.2 |
| 30°   | 1209.1 | 1205.6 | 1202.8 | 1207.7 | 1209.8 | 1204.9 | 1195.8 | 1191.0 | 1199.3 | 1202.8 | 1214.7 |
| 32.5° | 1186.8 | 1183.3 | 1181.9 | 1184.7 | 1186.1 | 1181.9 | 1172.2 | 1166.6 | 1165.2 | 1162.4 | 1165.2 |
| 35°   | 1161.7 | 1158.2 | 1156.1 | 1156.8 | 1159.6 | 1156.1 | 1147.8 | 1140.8 | 1137.3 | 1129.6 | 1124.1 |
| 37.5° | 598.6  | 848.1  | 1101.1 | 1127.6 | 1130.3 | 1129.6 | 1121.3 | 1113.6 | 1110.1 | 1101.1 | 1098.3 |
| 40°   | 273.9  | 305.9  | 459.2  | 600.0  | 865.5  | 1099.7 | 1092.0 | 1084.3 | 1078.1 | 1075.3 | 1064.8 |
| 42.5° | 273.2  | 273.9  | 274.6  | 271.1  | 335.9  | 572.1  | 844.6  | 1054.4 | 1050.2 | 1043.2 | 1035.6 |
| 45°   | 273.2  | 269.7  | 272.5  | 268.3  | 269.7  | 269.0  | 335.2  | 540.8  | 962.4  | 1005.6 | 1002.1 |
| 47.5° | 270.4  | 268.3  | 271.1  | 267.6  | 263.4  | 265.5  | 262.7  | 266.2  | 415.3  | 704.5  | 965.2  |
| 50°   | 257.8  | 259.2  | 264.1  | 263.4  | 259.9  | 262.7  | 257.8  | 262.0  | 258.5  | 283.6  | 546.4  |
| 52.5° | 239.0  | 241.8  | 246.7  | 250.9  | 252.3  | 255.8  | 254.4  | 255.8  | 253.0  | 253.7  | 254.4  |
| 55°   | 216.7  | 220.2  | 224.4  | 230.7  | 233.5  | 239.0  | 243.2  | 245.3  | 248.8  | 248.1  | 242.5  |
| 57.5° | 195.8  | 199.3  | 202.8  | 209.1  | 215.3  | 218.1  | 225.8  | 230.0  | 239.0  | 236.9  | 235.5  |
| 60°   | 176.3  | 179.1  | 182.6  | 184.0  | 191.6  | 196.5  | 203.5  | 207.7  | 219.5  | 222.3  | 226.5  |
| 62.5° | 158.9  | 160.3  | 163.1  | 165.2  | 170.0  | 174.9  | 178.4  | 185.4  | 191.6  | 200.7  | 207.0  |
| 65°   | 142.9  | 144.3  | 146.3  | 147.7  | 148.4  | 155.4  | 157.5  | 165.2  | 167.3  | 177.0  | 182.6  |
| 67.5° | 124.7  | 127.5  | 130.3  | 131.7  | 133.1  | 137.3  | 138.7  | 142.2  | 147.0  | 151.2  | 158.2  |
| 70°   | 105.9  | 108.0  | 110.8  | 112.9  | 115.7  | 118.5  | 122.7  | 124.7  | 128.2  | 131.0  | 136.6  |
| 72.5° | 88.5   | 90.6   | 92.0   | 94.1   | 96.2   | 98.3   | 101.7  | 106.6  | 109.4  | 114.3  | 115.7  |
| 75°   | 71.8   | 73.9   | 75.3   | 76.7   | 78.7   | 80.1   | 81.5   | 86.4   | 89.2   | 93.4   | 97.6   |
| 77.5° | 59.2   | 59.2   | 60.6   | 64.8   | 64.1   | 64.1   | 65.5   | 68.3   | 70.4   | 73.2   | 77.4   |
| 80°   | 46.0   | 46.7   | 47.4   | 50.9   | 51.6   | 52.3   | 51.6   | 53.7   | 55.8   | 56.4   | 59.2   |
| 82.5° | 34.1   | 34.8   | 34.8   | 36.9   | 39.0   | 39.0   | 39.0   | 39.7   | 41.8   | 42.5   | 43.9   |
| 85°   | 23.0   | 23.7   | 24.4   | 25.1   | 26.5   | 27.2   | 27.9   | 27.9   | 29.3   | 30.0   | 30.7   |
| 87.5° | 12.5   | 13.9   | 14.6   | 15.3   | 16.0   | 16.7   | 17.4   | 18.1   | 18.8   | 19.5   | 20.2   |
| 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: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 332.5° | 335°   | 337.5° | 340°   | 342.5° | 345°   | 347.5° | 350°   | 352.5° | 355°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 | 1520.6 |
| 2.5°  | 1528.3 | 1524.8 | 1522.7 | 1517.1 | 1515.7 | 1506.7 | 1508.1 | 1506.7 | 1506.7 | 1508.7 | 1515.7 |
| 5°    | 1593.8 | 1577.0 | 1572.9 | 1561.0 | 1551.3 | 1534.5 | 1524.1 | 1518.5 | 1510.1 | 1506.7 | 1511.5 |
| 7.5°  | 1638.4 | 1625.8 | 1615.4 | 1604.9 | 1591.0 | 1571.5 | 1556.8 | 1540.1 | 1526.2 | 1512.9 | 1509.4 |
| 10°   | 1630.7 | 1644.6 | 1644.6 | 1638.4 | 1625.1 | 1605.6 | 1588.2 | 1567.3 | 1542.9 | 1522.0 | 1509.4 |
| 12.5° | 1565.9 | 1590.3 | 1609.8 | 1624.4 | 1637.7 | 1624.4 | 1607.0 | 1590.3 | 1563.1 | 1532.4 | 1509.4 |
| 15°   | 1494.8 | 1519.9 | 1544.3 | 1575.0 | 1607.0 | 1620.2 | 1619.6 | 1600.0 | 1575.6 | 1543.6 | 1511.5 |
| 17.5° | 1444.6 | 1462.1 | 1475.3 | 1508.7 | 1547.8 | 1581.9 | 1604.9 | 1606.3 | 1582.6 | 1554.0 | 1512.2 |
| 20°   | 1407.0 | 1419.5 | 1430.7 | 1449.5 | 1483.7 | 1525.5 | 1568.0 | 1591.7 | 1587.5 | 1556.1 | 1514.3 |
| 22.5° | 1372.9 | 1381.9 | 1391.0 | 1404.9 | 1432.1 | 1459.3 | 1508.7 | 1557.5 | 1578.4 | 1552.7 | 1512.2 |
| 25°   | 1338.7 | 1348.5 | 1355.4 | 1365.2 | 1386.8 | 1409.1 | 1443.9 | 1504.6 | 1551.3 | 1549.9 | 1508.1 |
| 27.5° | 1298.3 | 1311.5 | 1319.9 | 1333.1 | 1347.8 | 1364.5 | 1388.2 | 1445.3 | 1512.2 | 1535.9 | 1496.9 |
| 30°   | 1249.5 | 1269.0 | 1281.6 | 1296.2 | 1308.7 | 1323.4 | 1342.2 | 1377.0 | 1460.0 | 1508.7 | 1485.1 |
| 32.5° | 1179.1 | 1214.0 | 1241.8 | 1255.8 | 1269.7 | 1282.3 | 1299.0 | 1328.3 | 1395.9 | 1471.8 | 1471.8 |
| 35°   | 1128.9 | 1145.0 | 1170.1 | 1210.5 | 1227.9 | 1240.4 | 1255.8 | 1278.8 | 1322.0 | 1427.9 | 1450.2 |
| 37.5° | 1089.9 | 1096.2 | 1108.7 | 1148.5 | 1181.2 | 1201.4 | 1216.8 | 1231.4 | 1273.9 | 1368.0 | 1422.3 |
| 40°   | 1060.7 | 1058.6 | 1057.2 | 1076.0 | 1122.7 | 1154.7 | 1172.2 | 1186.8 | 1219.5 | 1296.2 | 1385.4 |
| 42.5° | 1026.5 | 1024.4 | 1017.4 | 1022.3 | 1045.3 | 1099.0 | 1125.5 | 1141.5 | 1168.7 | 1220.9 | 1345.0 |
| 45°   | 991.0  | 987.5  | 984.7  | 979.8  | 988.2  | 1018.1 | 1072.5 | 1096.2 | 1111.5 | 1158.2 | 1294.1 |
| 47.5° | 954.7  | 949.8  | 946.4  | 942.2  | 937.3  | 951.2  | 1002.8 | 1045.3 | 1071.8 | 1101.1 | 1232.8 |
| 50°   | 903.2  | 909.4  | 905.2  | 900.4  | 896.2  | 893.4  | 915.0  | 984.7  | 1017.4 | 1041.1 | 1158.2 |
| 52.5° | 425.8  | 827.9  | 862.7  | 857.9  | 852.3  | 847.4  | 852.3  | 905.2  | 964.5  | 983.3  | 1068.3 |
| 55°   | 242.5  | 368.7  | 767.3  | 811.2  | 806.3  | 799.3  | 795.1  | 813.3  | 901.8  | 926.9  | 986.1  |
| 57.5° | 233.5  | 234.2  | 338.7  | 731.0  | 758.2  | 751.9  | 747.1  | 751.2  | 826.5  | 869.0  | 914.3  |
| 60°   | 225.8  | 225.8  | 225.8  | 323.4  | 699.0  | 701.1  | 694.8  | 687.8  | 720.6  | 804.2  | 841.8  |
| 62.5° | 209.1  | 213.2  | 215.3  | 215.3  | 319.2  | 647.4  | 641.1  | 639.0  | 640.4  | 726.2  | 769.4  |
| 65°   | 187.5  | 197.2  | 201.4  | 204.2  | 204.2  | 335.2  | 586.1  | 582.6  | 577.7  | 610.5  | 696.2  |
| 67.5° | 163.8  | 173.5  | 182.6  | 188.2  | 188.9  | 195.1  | 349.8  | 524.8  | 517.8  | 518.5  | 618.1  |
| 70°   | 139.4  | 147.7  | 157.5  | 165.9  | 173.5  | 177.0  | 182.6  | 435.6  | 458.5  | 448.8  | 529.6  |
| 72.5° | 120.6  | 124.0  | 131.0  | 139.4  | 148.4  | 156.8  | 161.7  | 173.5  | 397.9  | 387.5  | 402.8  |
| 75°   | 100.4  | 103.1  | 108.0  | 113.6  | 120.6  | 130.3  | 138.7  | 147.0  | 211.2  | 324.7  | 322.7  |
| 77.5° | 78.1   | 82.9   | 88.5   | 92.0   | 95.5   | 102.4  | 113.6  | 122.0  | 130.3  | 219.5  | 258.5  |
| 80°   | 59.9   | 63.4   | 66.2   | 69.7   | 73.9   | 78.7   | 82.9   | 92.7   | 102.4  | 110.1  | 197.9  |
| 82.5° | 44.6   | 46.7   | 48.8   | 50.2   | 51.6   | 54.4   | 62.0   | 65.5   | 71.8   | 78.7   | 93.4   |
| 85°   | 31.4   | 32.8   | 34.1   | 34.8   | 35.5   | 36.2   | 39.0   | 39.7   | 46.0   | 47.4   | 56.4   |
| 87.5° | 20.2   | 20.9   | 22.3   | 23.0   | 23.0   | 23.7   | 24.4   | 24.4   | 24.4   | 23.0   | 27.9   |
| 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: P1213055

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 357.5° | 360°   |
|-------|--------|--------|
| 0°    | 1520.6 | 1520.6 |
| 2.5°  | 1521.3 | 1532.4 |
| 5°    | 1519.2 | 1533.8 |
| 7.5°  | 1513.6 | 1527.6 |
| 10°   | 1505.3 | 1522.0 |
| 12.5° | 1496.2 | 1512.2 |
| 15°   | 1488.5 | 1500.4 |
| 17.5° | 1480.2 | 1487.1 |
| 20°   | 1469.0 | 1474.6 |
| 22.5° | 1457.9 | 1455.1 |
| 25°   | 1445.3 | 1439.1 |
| 27.5° | 1429.3 | 1417.5 |
| 30°   | 1414.7 | 1393.8 |
| 32.5° | 1400.7 | 1366.6 |
| 35°   | 1381.9 | 1338.7 |
| 37.5° | 1362.4 | 1310.1 |
| 40°   | 1339.4 | 1277.4 |
| 42.5° | 1315.0 | 1244.6 |
| 45°   | 1284.4 | 1213.3 |
| 47.5° | 1257.2 | 1175.6 |
| 50°   | 1219.5 | 1135.2 |
| 52.5° | 1173.5 | 1097.6 |
| 55°   | 1119.2 | 1051.6 |
| 57.5° | 1060.7 | 1003.5 |
| 60°   | 997.9  | 948.5  |
| 62.5° | 922.0  | 891.3  |
| 65°   | 832.8  | 825.8  |
| 67.5° | 716.4  | 753.3  |
| 70°   | 587.5  | 670.4  |
| 72.5° | 491.3  | 582.6  |
| 75°   | 402.8  | 484.3  |
| 77.5° | 319.2  | 379.8  |
| 80°   | 199.3  | 278.1  |
| 82.5° | 133.8  | 182.6  |
| 85°   | 80.8   | 87.1   |
| 87.5° | 31.4   | 32.1   |
| 90°   | 0.0    | 0.0    |

(END OF REPORT)