

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

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **2SNLED-LD5-27SL-RM-UNV-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

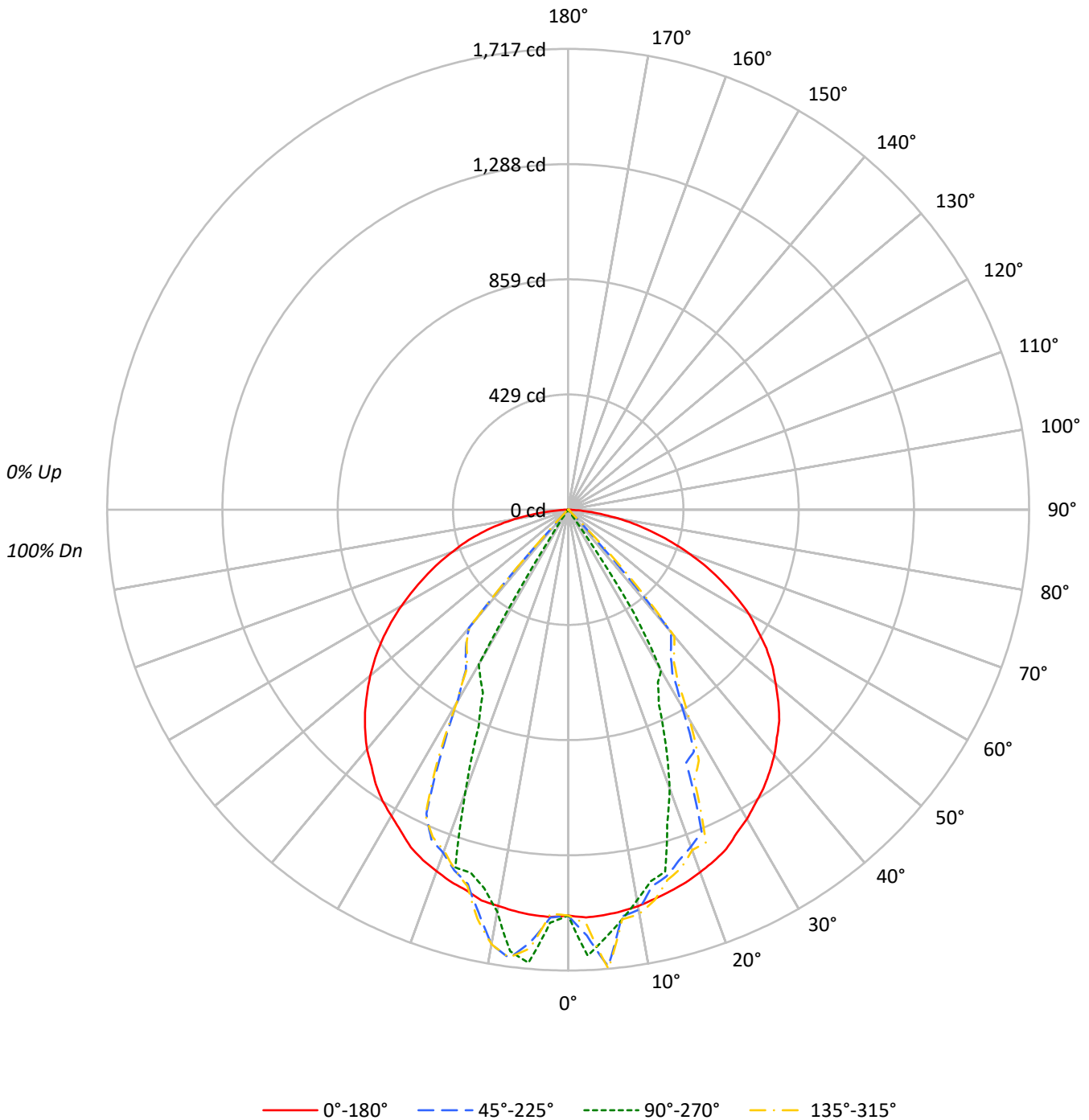
Lumens per Lamp: N/A  
Luminaire Lumens: 2150.0 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P#  
CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 112 | 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°  | 24437 | 24437 | 24437 | 24437 |
| 5°  | 24471 | 25134 | 24463 | 26617 |
| 10° | 24345 | 22744 | 24331 | 23400 |
| 15° | 24211 | 21228 | 24152 | 21284 |
| 20° | 24169 | 16721 | 24100 | 16927 |
| 25° | 24164 | 12100 | 24046 | 11419 |
| 30° | 23974 | 10614 | 23720 | 10204 |
| 35° | 23958 | 234   | 23606 | 284   |
| 40° | 23944 | 51    | 23370 | 51    |
| 45° | 23917 | 30    | 23018 | 23    |
| 50° | 23607 | 24    | 22523 | 24    |
| 55° | 23313 | 17    | 21882 | 17    |
| 60° | 22686 | 18    | 20913 | 18    |
| 65° | 21272 | 30    | 19755 | 19    |
| 70° | 19435 | 33    | 18503 | 33    |
| 75° | 16796 | 36    | 17074 | 36    |
| 80° | 13097 | 42    | 13846 | 42    |
| 85° | 7020  | 49    | 7171  | 49    |



TEST NUMBER: P#

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 151.7  | 7.1       |
| 10°-20°   | 413.8  | 19.2      |
| 20°-30°   | 526.5  | 24.5      |
| 30°-40°   | 444.8  | 20.7      |
| 40°-50°   | 290.8  | 13.5      |
| 50°-60°   | 183.2  | 8.5       |
| 60°-70°   | 97.5   | 4.5       |
| 70°-80°   | 35.6   | 1.7       |
| 80°-90°   | 6.1    | 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°    | 1092.0 | 50.8      |
| 0°-40°    | 1536.8 | 71.5      |
| 0°-60°    | 2010.8 | 93.5      |
| 0°-90°    | 2150.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2150.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1512 | 1512 | 1512 | 1512 | 1512 |      |
| 5°  | 1517 | 1600 | 1516 | 1694 | 1517 | 144  |
| 15° | 1471 | 1396 | 1468 | 1400 | 1471 | 416  |
| 25° | 1394 | 797  | 1388 | 752  | 1394 | 641  |
| 35° | 1267 | 15   | 1249 | 18   | 1267 | 793  |
| 45° | 1112 | 2    | 1070 | 1    | 1112 | 855  |
| 55° | 901  | 1    | 846  | 1    | 901  | 803  |
| 65° | 631  | 1    | 586  | 1    | 631  | 625  |
| 75° | 332  | 1    | 337  | 1    | 332  | 352  |
| 85° | 65   | 1    | 66   | 1    | 65   | 82   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 2°     | 3°     | 4°     | 5°     | 6°     | 7°     | 8°     | 9°     | 10°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1520.7 | 1521.6 | 1522.0 | 1522.9 | 1524.3 | 1524.7 | 1525.7 | 1524.7 | 1524.7 | 1524.7 | 1524.7 |
| 5°    | 1516.6 | 1518.4 | 1519.8 | 1521.6 | 1524.7 | 1525.2 | 1528.8 | 1529.3 | 1531.1 | 1534.7 | 1537.5 |
| 7.5°  | 1509.8 | 1511.6 | 1514.3 | 1518.8 | 1523.4 | 1528.4 | 1534.7 | 1541.5 | 1551.1 | 1560.1 | 1571.5 |
| 10°   | 1499.8 | 1502.1 | 1505.2 | 1509.3 | 1531.6 | 1534.7 | 1548.8 | 1568.3 | 1573.8 | 1602.3 | 1623.7 |
| 12.5° | 1485.3 | 1493.0 | 1501.1 | 1504.8 | 1526.1 | 1559.7 | 1606.9 | 1597.4 | 1586.9 | 1680.4 | 1679.0 |
| 15°   | 1471.2 | 1481.6 | 1477.6 | 1507.0 | 1526.6 | 1585.1 | 1565.1 | 1607.8 | 1685.8 | 1666.8 | 1667.7 |
| 17.5° | 1456.2 | 1458.5 | 1481.2 | 1505.7 | 1540.6 | 1570.6 | 1595.1 | 1653.6 | 1669.1 | 1670.4 | 1653.6 |
| 20°   | 1437.2 | 1448.1 | 1481.2 | 1503.4 | 1562.4 | 1576.5 | 1629.6 | 1659.5 | 1653.2 | 1637.7 | 1609.2 |
| 22.5° | 1417.7 | 1450.8 | 1484.4 | 1515.7 | 1557.0 | 1594.6 | 1621.0 | 1635.0 | 1601.9 | 1541.1 | 1508.4 |
| 25°   | 1394.5 | 1414.0 | 1458.0 | 1503.9 | 1555.6 | 1577.4 | 1592.8 | 1570.1 | 1527.0 | 1472.6 | 1417.7 |
| 27.5° | 1358.7 | 1390.0 | 1446.2 | 1498.0 | 1544.7 | 1571.0 | 1546.1 | 1491.6 | 1422.2 | 1386.3 | 1361.4 |
| 30°   | 1331.0 | 1371.8 | 1418.1 | 1468.0 | 1516.6 | 1532.0 | 1468.5 | 1406.3 | 1358.7 | 1322.8 | 1317.4 |
| 32.5° | 1297.4 | 1355.5 | 1399.5 | 1447.1 | 1488.0 | 1467.6 | 1405.9 | 1325.5 | 1286.1 | 1272.4 | 1277.9 |
| 35°   | 1267.4 | 1311.5 | 1369.1 | 1415.8 | 1445.3 | 1399.5 | 1301.9 | 1252.0 | 1233.0 | 1240.7 | 1230.7 |
| 37.5° | 1231.6 | 1289.7 | 1342.8 | 1383.2 | 1373.2 | 1304.2 | 1221.6 | 1189.8 | 1192.1 | 1185.8 | 1166.7 |
| 40°   | 1194.4 | 1249.7 | 1305.1 | 1343.2 | 1308.3 | 1203.0 | 1148.1 | 1141.3 | 1142.7 | 1122.2 | 1095.0 |
| 42.5° | 1150.8 | 1201.2 | 1256.6 | 1291.0 | 1215.7 | 1133.6 | 1096.4 | 1097.3 | 1085.5 | 1056.9 | 1042.4 |
| 45°   | 1111.8 | 1158.1 | 1215.7 | 1218.9 | 1126.3 | 1057.8 | 1046.9 | 1035.1 | 1008.8 | 999.3  | 988.4  |
| 47.5° | 1061.9 | 1113.2 | 1160.8 | 1143.6 | 1038.7 | 996.1  | 987.9  | 962.0  | 948.9  | 941.6  | 932.5  |
| 50°   | 1008.8 | 1060.5 | 1104.1 | 1055.1 | 956.1  | 946.2  | 919.4  | 899.0  | 889.9  | 882.2  | 874.0  |
| 52.5° | 958.4  | 1001.1 | 1045.5 | 961.1  | 892.6  | 883.1  | 852.7  | 840.9  | 831.8  | 823.2  | 821.4  |
| 55°   | 901.2  | 938.9  | 969.3  | 871.7  | 831.8  | 809.6  | 787.8  | 779.6  | 771.0  | 766.9  | 773.7  |
| 57.5° | 836.3  | 879.0  | 874.5  | 783.7  | 766.0  | 733.8  | 725.6  | 720.2  | 713.8  | 716.5  | 659.8  |
| 60°   | 777.8  | 810.5  | 788.2  | 719.3  | 689.3  | 667.5  | 660.3  | 656.6  | 660.3  | 604.9  | 531.8  |
| 62.5° | 705.6  | 742.4  | 697.5  | 643.9  | 612.2  | 601.7  | 595.4  | 600.4  | 547.3  | 486.5  | 468.8  |
| 65°   | 630.8  | 670.7  | 604.5  | 563.2  | 543.2  | 534.1  | 533.7  | 491.5  | 439.3  | 415.7  | 415.7  |
| 67.5° | 558.6  | 599.9  | 514.6  | 480.1  | 472.4  | 473.3  | 447.0  | 383.0  | 368.5  | 352.6  | 306.8  |
| 70°   | 481.9  | 518.2  | 425.2  | 404.3  | 399.8  | 396.6  | 332.6  | 315.4  | 298.1  | 255.9  | 252.3  |
| 72.5° | 405.7  | 423.4  | 341.7  | 336.7  | 335.8  | 279.1  | 266.4  | 236.9  | 216.9  | 211.9  | 209.7  |
| 75°   | 331.7  | 326.3  | 270.0  | 274.5  | 231.4  | 211.5  | 191.0  | 173.8  | 171.1  | 169.3  | 42.2   |
| 77.5° | 261.8  | 234.6  | 212.8  | 185.1  | 165.6  | 140.7  | 136.6  | 133.9  | 88.0   | 31.8   | 25.9   |
| 80°   | 190.6  | 152.0  | 141.6  | 120.3  | 102.6  | 98.5   | 100.7  | 30.9   | 24.5   | 20.4   | 17.7   |
| 82.5° | 121.2  | 97.1   | 79.4   | 69.4   | 67.6   | 29.5   | 21.8   | 17.7   | 15.4   | 13.2   | 10.9   |
| 85°   | 64.9   | 43.1   | 39.9   | 33.6   | 20.0   | 13.6   | 11.3   | 8.6    | 7.3    | 5.9    | 5.4    |
| 87.5° | 20.4   | 17.2   | 14.1   | 11.3   | 6.8    | 4.5    | 3.6    | 3.2    | 2.7    | 2.3    | 2.3    |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 11°    | 12°    | 13°    | 14°    | 15°    | 16°    | 17°    | 18°    | 19°    | 20°    | 25°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1523.8 | 1524.7 | 1524.3 | 1525.7 | 1525.7 | 1527.5 | 1528.8 | 1530.2 | 1532.9 | 1534.3 | 1544.7 |
| 5°    | 1543.4 | 1545.6 | 1552.4 | 1558.8 | 1566.5 | 1568.8 | 1581.9 | 1585.1 | 1600.5 | 1602.3 | 1653.2 |
| 7.5°  | 1586.9 | 1595.5 | 1611.9 | 1628.2 | 1644.5 | 1655.0 | 1673.1 | 1684.5 | 1696.7 | 1707.6 | 1748.0 |
| 10°   | 1639.6 | 1654.1 | 1670.0 | 1686.3 | 1695.8 | 1715.8 | 1726.7 | 1728.5 | 1725.3 | 1707.6 | 1642.3 |
| 12.5° | 1691.3 | 1705.8 | 1699.0 | 1702.2 | 1713.5 | 1678.1 | 1683.1 | 1657.7 | 1675.4 | 1587.8 | 1522.9 |
| 15°   | 1684.0 | 1683.1 | 1666.3 | 1611.9 | 1621.0 | 1553.3 | 1526.1 | 1505.2 | 1522.0 | 1512.9 | 1503.0 |
| 17.5° | 1662.2 | 1621.0 | 1591.9 | 1526.6 | 1498.9 | 1479.8 | 1480.3 | 1480.7 | 1472.6 | 1481.2 | 1455.8 |
| 20°   | 1570.1 | 1523.8 | 1480.7 | 1457.6 | 1449.4 | 1435.8 | 1442.6 | 1435.8 | 1436.3 | 1439.0 | 1400.0 |
| 22.5° | 1447.6 | 1433.5 | 1408.6 | 1415.8 | 1413.1 | 1425.4 | 1416.3 | 1402.2 | 1406.8 | 1386.3 | 1356.8 |
| 25°   | 1398.1 | 1381.8 | 1380.9 | 1383.6 | 1379.5 | 1374.1 | 1365.9 | 1344.6 | 1343.2 | 1336.9 | 1323.3 |
| 27.5° | 1348.2 | 1349.1 | 1351.9 | 1343.7 | 1329.2 | 1318.3 | 1306.0 | 1295.6 | 1299.7 | 1292.4 | 1273.8 |
| 30°   | 1313.7 | 1313.3 | 1296.9 | 1289.7 | 1262.9 | 1263.4 | 1260.2 | 1253.8 | 1249.7 | 1250.2 | 1238.4 |
| 32.5° | 1264.7 | 1250.7 | 1232.1 | 1223.0 | 1220.7 | 1212.5 | 1206.2 | 1207.5 | 1210.7 | 1199.4 | 1211.6 |
| 35°   | 1214.4 | 1185.3 | 1182.6 | 1174.9 | 1167.6 | 1162.2 | 1164.4 | 1155.4 | 1154.9 | 1153.5 | 1053.7 |
| 37.5° | 1146.7 | 1132.7 | 1131.3 | 1123.1 | 1118.1 | 1116.8 | 1108.2 | 1109.5 | 1113.6 | 1120.9 | 898.5  |
| 40°   | 1090.9 | 1078.2 | 1075.0 | 1074.6 | 1063.7 | 1062.8 | 1065.1 | 1073.7 | 1079.6 | 1034.2 | 856.3  |
| 42.5° | 1031.0 | 1031.9 | 1021.9 | 1015.6 | 1017.0 | 1021.0 | 1031.9 | 1002.0 | 868.1  | 827.3  | 782.8  |
| 45°   | 979.7  | 975.2  | 969.8  | 967.9  | 979.7  | 971.6  | 851.8  | 786.0  | 770.1  | 768.3  | 643.5  |
| 47.5° | 926.2  | 924.8  | 922.6  | 923.9  | 856.8  | 763.7  | 736.5  | 727.9  | 730.6  | 728.8  | 552.7  |
| 50°   | 872.2  | 874.0  | 874.0  | 763.3  | 700.7  | 685.2  | 687.5  | 695.2  | 647.1  | 604.0  | 515.1  |
| 52.5° | 825.5  | 811.4  | 695.2  | 655.3  | 641.2  | 648.0  | 631.7  | 571.3  | 527.8  | 502.3  | 476.5  |
| 55°   | 738.8  | 635.3  | 609.4  | 603.1  | 608.1  | 547.7  | 510.5  | 471.5  | 460.1  | 457.4  | 442.4  |
| 57.5° | 581.3  | 560.4  | 562.7  | 537.3  | 479.7  | 445.6  | 430.7  | 425.2  | 420.2  | 416.6  | 36.3   |
| 60°   | 514.1  | 520.0  | 476.0  | 421.6  | 398.4  | 393.9  | 390.3  | 385.3  | 384.4  | 378.0  | 23.1   |
| 62.5° | 470.6  | 413.9  | 375.7  | 362.1  | 356.7  | 355.3  | 348.5  | 346.2  | 294.1  | 40.4   | 17.2   |
| 65°   | 354.9  | 331.7  | 324.5  | 321.3  | 315.4  | 315.4  | 261.8  | 41.3   | 33.6   | 29.0   | 15.4   |
| 67.5° | 289.5  | 287.7  | 284.1  | 280.0  | 190.6  | 39.9   | 34.9   | 30.4   | 26.3   | 23.1   | 13.6   |
| 70°   | 245.0  | 244.1  | 222.4  | 40.8   | 34.0   | 30.0   | 26.3   | 23.6   | 21.8   | 19.5   | 12.3   |
| 72.5° | 201.0  | 40.8   | 34.5   | 30.0   | 25.9   | 23.6   | 21.3   | 19.1   | 17.2   | 15.9   | 10.0   |
| 75°   | 31.3   | 27.7   | 24.5   | 22.2   | 20.4   | 18.2   | 16.3   | 15.0   | 14.5   | 12.7   | 6.8    |
| 77.5° | 22.7   | 19.5   | 17.7   | 15.9   | 14.1   | 12.7   | 10.9   | 9.5    | 8.6    | 7.3    | 5.0    |
| 80°   | 15.9   | 14.1   | 12.7   | 10.4   | 9.1    | 7.7    | 6.8    | 5.9    | 5.4    | 4.5    | 2.3    |
| 82.5° | 9.1    | 7.7    | 6.8    | 5.4    | 5.0    | 4.1    | 3.6    | 3.2    | 3.2    | 2.3    | 2.3    |
| 85°   | 4.1    | 4.1    | 3.2    | 2.7    | 2.3    | 2.3    | 2.3    | 1.8    | 1.8    | 1.4    | 1.4    |
| 87.5° | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 0.9    |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1559.2 | 1565.1 | 1576.5 | 1588.3 | 1575.1 | 1622.3 | 1618.7 | 1634.6 | 1643.2 | 1647.3 | 1656.8 |
| 5°    | 1698.1 | 1724.4 | 1733.0 | 1707.2 | 1692.2 | 1676.8 | 1641.8 | 1615.5 | 1618.7 | 1610.1 | 1578.7 |
| 7.5°  | 1695.4 | 1639.1 | 1563.3 | 1528.8 | 1526.1 | 1522.0 | 1532.9 | 1539.3 | 1540.2 | 1539.7 | 1538.8 |
| 10°   | 1552.0 | 1522.9 | 1517.9 | 1513.4 | 1515.2 | 1498.4 | 1490.7 | 1468.9 | 1480.7 | 1474.4 | 1476.6 |
| 12.5° | 1508.4 | 1501.6 | 1474.8 | 1437.6 | 1459.9 | 1443.1 | 1433.5 | 1439.9 | 1432.6 | 1425.8 | 1423.6 |
| 15°   | 1482.5 | 1438.5 | 1423.6 | 1414.5 | 1408.1 | 1404.5 | 1407.7 | 1400.4 | 1398.1 | 1396.8 | 1400.0 |
| 17.5° | 1429.0 | 1411.3 | 1395.0 | 1370.9 | 1371.4 | 1370.0 | 1379.1 | 1392.7 | 1393.6 | 1323.7 | 1260.6 |
| 20°   | 1386.8 | 1372.3 | 1351.4 | 1336.4 | 1356.8 | 1320.5 | 1180.3 | 1113.6 | 1103.2 | 1103.2 | 1105.0 |
| 22.5° | 1353.2 | 1321.0 | 1322.4 | 1298.8 | 1107.7 | 1068.7 | 1069.6 | 1073.7 | 1055.1 | 991.5  | 984.7  |
| 25°   | 1307.4 | 1302.4 | 1203.0 | 1039.6 | 1041.0 | 1010.6 | 963.9  | 898.1  | 826.8  | 826.8  | 815.0  |
| 27.5° | 1272.9 | 1167.2 | 1021.9 | 1015.1 | 913.0  | 848.6  | 808.7  | 748.3  | 740.1  | 732.4  | 733.3  |
| 30°   | 1243.4 | 987.5  | 991.1  | 848.6  | 773.3  | 719.7  | 716.5  | 706.6  | 701.6  | 700.2  | 695.2  |
| 32.5° | 982.9  | 961.6  | 829.5  | 722.4  | 692.9  | 684.3  | 680.2  | 668.9  | 668.4  | 659.8  | 599.9  |
| 35°   | 921.7  | 844.1  | 694.3  | 665.3  | 656.6  | 648.5  | 641.7  | 430.7  | 50.8   | 20.4   | 17.7   |
| 37.5° | 851.8  | 705.2  | 642.1  | 629.0  | 620.8  | 458.8  | 45.8   | 15.9   | 11.3   | 8.2    | 7.3    |
| 40°   | 722.0  | 629.9  | 609.9  | 595.4  | 245.5  | 15.9   | 10.0   | 7.7    | 4.5    | 4.1    | 3.6    |
| 42.5° | 609.0  | 593.6  | 572.2  | 174.3  | 18.2   | 7.7    | 5.0    | 3.6    | 3.2    | 3.2    | 2.7    |
| 45°   | 570.0  | 556.4  | 230.5  | 17.2   | 11.3   | 3.6    | 3.2    | 3.2    | 2.7    | 1.8    | 1.8    |
| 47.5° | 533.7  | 469.7  | 20.9   | 10.9   | 7.3    | 3.2    | 2.7    | 1.8    | 1.8    | 1.8    | 1.4    |
| 50°   | 495.1  | 25.9   | 14.5   | 8.2    | 4.5    | 1.8    | 1.8    | 1.8    | 1.8    | 1.4    | 1.4    |
| 52.5° | 92.6   | 18.2   | 11.8   | 7.3    | 2.3    | 1.8    | 1.8    | 1.8    | 1.4    | 1.4    | 1.4    |
| 55°   | 21.8   | 14.5   | 10.9   | 6.4    | 1.8    | 1.8    | 1.8    | 1.4    | 1.4    | 1.4    | 0.9    |
| 57.5° | 16.3   | 10.9   | 8.6    | 5.9    | 1.8    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 0.9    |
| 60°   | 13.6   | 7.7    | 6.8    | 5.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 0.9    |
| 62.5° | 9.5    | 6.4    | 5.0    | 4.1    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 65°   | 7.7    | 5.0    | 4.1    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 67.5° | 6.8    | 4.1    | 2.7    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 70°   | 5.4    | 1.4    | 1.4    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 72.5° | 4.5    | 1.4    | 0.9    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 75°   | 4.5    | 2.3    | 0.9    | 0.9    | 1.4    | 1.4    | 1.8    | 1.8    | 1.4    | 1.4    | 1.4    |
| 77.5° | 3.2    | 2.3    | 0.9    | 0.9    | 1.4    | 1.4    | 1.8    | 1.8    | 1.4    | 1.4    | 1.4    |
| 80°   | 1.8    | 2.3    | 0.9    | 1.4    | 1.4    | 2.7    | 3.2    | 1.8    | 1.4    | 1.4    | 1.4    |
| 82.5° | 1.8    | 2.3    | 2.7    | 2.7    | 1.4    | 2.3    | 2.7    | 2.3    | 1.8    | 1.4    | 1.4    |
| 85°   | 1.8    | 1.4    | 1.8    | 2.3    | 1.4    | 2.3    | 2.3    | 1.8    | 1.8    | 1.4    | 1.4    |
| 87.5° | 0.9    | 1.4    | 1.4    | 1.8    | 1.8    | 1.8    | 2.3    | 1.8    | 1.8    | 1.8    | 1.4    |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 85°    | 90°    | 95°    | 100°   | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1661.3 | 1663.2 | 1634.6 | 1624.6 | 1633.2 | 1631.4 | 1623.7 | 1595.1 | 1591.9 | 1572.8 | 1545.2 |
| 5°    | 1587.8 | 1600.1 | 1585.1 | 1611.0 | 1598.7 | 1611.0 | 1648.2 | 1665.4 | 1693.6 | 1710.8 | 1717.2 |
| 7.5°  | 1536.5 | 1539.3 | 1539.3 | 1541.5 | 1543.8 | 1544.3 | 1541.5 | 1539.7 | 1532.0 | 1522.5 | 1539.7 |
| 10°   | 1474.4 | 1477.6 | 1483.0 | 1482.1 | 1481.6 | 1491.2 | 1493.4 | 1512.9 | 1512.0 | 1515.7 | 1528.8 |
| 12.5° | 1442.2 | 1417.7 | 1439.9 | 1434.0 | 1442.2 | 1429.5 | 1453.0 | 1449.0 | 1450.3 | 1461.2 | 1489.4 |
| 15°   | 1388.6 | 1396.3 | 1401.8 | 1401.8 | 1404.9 | 1402.2 | 1399.5 | 1418.1 | 1429.5 | 1429.9 | 1428.1 |
| 17.5° | 1285.6 | 1227.1 | 1287.0 | 1271.5 | 1394.5 | 1397.7 | 1387.2 | 1378.6 | 1378.6 | 1385.4 | 1400.0 |
| 20°   | 1103.6 | 1105.0 | 1105.4 | 1111.3 | 1118.6 | 1118.1 | 1118.6 | 1297.4 | 1382.3 | 1362.7 | 1349.6 |
| 22.5° | 967.5  | 950.7  | 982.0  | 979.7  | 1018.8 | 1061.9 | 1103.2 | 1099.1 | 1101.8 | 1228.0 | 1341.4 |
| 25°   | 775.5  | 797.3  | 779.6  | 787.3  | 831.4  | 882.6  | 914.4  | 997.4  | 1087.7 | 1081.4 | 1110.9 |
| 27.5° | 730.2  | 724.3  | 732.4  | 732.4  | 738.3  | 745.1  | 762.8  | 809.6  | 889.9  | 974.3  | 1054.2 |
| 30°   | 687.0  | 692.0  | 692.9  | 701.1  | 705.6  | 710.2  | 712.9  | 730.6  | 748.8  | 807.3  | 905.8  |
| 32.5° | 516.0  | 452.4  | 595.4  | 633.9  | 666.6  | 674.3  | 679.8  | 687.0  | 700.2  | 708.8  | 758.3  |
| 35°   | 15.0   | 15.0   | 15.9   | 18.2   | 23.1   | 156.1  | 594.5  | 655.3  | 663.9  | 674.8  | 683.9  |
| 37.5° | 7.3    | 5.4    | 6.4    | 6.8    | 8.2    | 11.3   | 16.3   | 50.8   | 565.9  | 639.8  | 649.8  |
| 40°   | 3.2    | 3.2    | 3.2    | 3.2    | 3.6    | 4.5    | 6.8    | 11.3   | 17.2   | 455.2  | 614.0  |
| 42.5° | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 3.2    | 4.1    | 8.2    | 19.5   | 322.2  |
| 45°   | 1.8    | 1.8    | 1.4    | 1.8    | 1.8    | 2.3    | 2.7    | 2.7    | 3.6    | 12.3   | 22.2   |
| 47.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.3    | 2.7    | 8.2    | 11.8   |
| 50°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 6.4    | 8.2    |
| 52.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 7.3    |
| 55°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.4    | 1.4    | 1.8    | 6.4    |
| 57.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.4    | 0.9    | 0.9    | 1.4    | 1.4    | 5.9    |
| 60°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 5.4    |
| 62.5° | 1.4    | 1.4    | 0.9    | 1.4    | 0.9    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    | 3.6    |
| 65°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 0.9    | 1.4    |
| 67.5° | 1.4    | 1.4    | 1.4    | 1.4    | 0.9    | 1.4    | 0.9    | 1.4    | 1.4    | 0.9    | 0.9    |
| 70°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 0.9    | 0.9    | 0.9    | 0.9    |
| 72.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 0.9    | 0.9    | 0.9    | 0.9    |
| 75°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    |
| 77.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.3    | 2.7    | 2.3    | 2.3    | 0.9    |
| 80°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.3    | 2.3    | 2.3    | 2.3    | 3.2    |
| 82.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    | 1.8    | 1.8    | 1.8    | 2.3    |
| 85°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    | 1.8    | 1.8    | 1.4    | 1.8    |
| 87.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    | 1.4    | 1.4    | 1.4    |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 140°   | 145°   | 150°   | 155°   | 160°   | 161°   | 162°   | 163°   | 164°   | 165°   | 166°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1547.4 | 1532.0 | 1527.0 | 1516.6 | 1515.7 | 1516.6 | 1514.3 | 1511.1 | 1512.9 | 1509.8 | 1507.0 |
| 5°    | 1720.8 | 1679.5 | 1652.7 | 1616.9 | 1567.4 | 1556.5 | 1553.8 | 1538.4 | 1532.9 | 1531.1 | 1523.8 |
| 7.5°  | 1580.6 | 1655.9 | 1701.3 | 1716.7 | 1658.6 | 1645.0 | 1629.1 | 1616.4 | 1604.2 | 1581.0 | 1566.9 |
| 10°   | 1518.4 | 1522.0 | 1565.6 | 1616.4 | 1699.0 | 1710.3 | 1719.0 | 1691.3 | 1683.6 | 1624.6 | 1611.9 |
| 12.5° | 1503.9 | 1504.3 | 1509.3 | 1540.2 | 1605.1 | 1612.3 | 1642.7 | 1659.1 | 1679.0 | 1690.4 | 1681.3 |
| 15°   | 1437.6 | 1474.4 | 1501.6 | 1504.3 | 1510.2 | 1522.9 | 1532.0 | 1588.7 | 1612.8 | 1677.2 | 1673.6 |
| 17.5° | 1406.8 | 1418.6 | 1458.0 | 1490.3 | 1484.8 | 1480.3 | 1487.5 | 1495.3 | 1518.4 | 1582.8 | 1581.9 |
| 20°   | 1355.5 | 1393.1 | 1414.5 | 1448.1 | 1478.5 | 1479.8 | 1471.7 | 1467.1 | 1458.0 | 1468.5 | 1478.0 |
| 22.5° | 1333.7 | 1339.6 | 1379.5 | 1403.1 | 1437.6 | 1449.9 | 1451.7 | 1452.1 | 1447.1 | 1441.7 | 1439.0 |
| 25°   | 1331.4 | 1312.8 | 1333.2 | 1362.7 | 1388.2 | 1401.3 | 1416.3 | 1421.3 | 1419.5 | 1419.5 | 1416.7 |
| 27.5° | 1089.6 | 1306.9 | 1296.0 | 1315.5 | 1346.4 | 1355.5 | 1363.2 | 1378.6 | 1388.2 | 1395.0 | 1398.1 |
| 30°   | 1037.8 | 1076.9 | 1267.0 | 1269.7 | 1301.0 | 1300.1 | 1308.7 | 1321.4 | 1333.7 | 1349.6 | 1353.7 |
| 32.5° | 918.0  | 1013.8 | 1159.9 | 1223.9 | 1256.6 | 1259.7 | 1264.3 | 1267.9 | 1279.2 | 1296.9 | 1312.4 |
| 35°   | 735.6  | 923.5  | 993.8  | 1202.1 | 1208.0 | 1214.4 | 1217.1 | 1225.7 | 1229.3 | 1236.6 | 1250.2 |
| 37.5° | 665.7  | 763.3  | 953.4  | 1039.6 | 1152.2 | 1157.6 | 1172.1 | 1175.8 | 1181.7 | 1187.6 | 1198.0 |
| 40°   | 625.3  | 652.1  | 793.7  | 928.5  | 1107.3 | 1110.9 | 1115.9 | 1125.0 | 1125.4 | 1132.2 | 1141.7 |
| 42.5° | 593.1  | 610.4  | 651.6  | 886.7  | 1075.5 | 1075.0 | 1063.2 | 1069.1 | 1071.9 | 1079.1 | 1092.3 |
| 45°   | 473.8  | 572.7  | 599.0  | 724.3  | 856.3  | 918.0  | 1036.5 | 1017.0 | 1016.5 | 1019.2 | 1033.3 |
| 47.5° | 24.1   | 538.7  | 557.3  | 597.6  | 808.7  | 810.9  | 826.4  | 956.1  | 976.1  | 969.8  | 971.1  |
| 50°   | 16.3   | 37.2   | 519.1  | 537.7  | 697.0  | 753.3  | 764.6  | 770.5  | 845.4  | 928.9  | 915.3  |
| 52.5° | 12.7   | 21.3   | 318.1  | 499.2  | 566.3  | 607.6  | 680.7  | 722.4  | 727.0  | 760.6  | 874.5  |
| 55°   | 11.3   | 16.3   | 34.5   | 460.6  | 481.5  | 490.6  | 533.2  | 606.3  | 665.3  | 683.0  | 684.3  |
| 57.5° | 10.0   | 15.0   | 23.6   | 208.3  | 437.9  | 439.7  | 447.0  | 472.4  | 525.5  | 574.0  | 629.0  |
| 60°   | 9.1    | 13.2   | 18.6   | 35.8   | 398.0  | 402.5  | 403.9  | 410.7  | 417.0  | 450.2  | 513.2  |
| 62.5° | 5.4    | 10.4   | 16.3   | 25.9   | 314.9  | 361.7  | 361.2  | 365.8  | 371.7  | 375.3  | 388.0  |
| 65°   | 4.5    | 8.2    | 14.1   | 21.8   | 38.6   | 48.1   | 292.2  | 324.9  | 328.5  | 333.5  | 335.8  |
| 67.5° | 4.1    | 7.3    | 10.4   | 17.2   | 29.0   | 33.1   | 38.1   | 47.2   | 257.8  | 290.4  | 295.0  |
| 70°   | 3.6    | 5.0    | 8.6    | 14.5   | 23.6   | 25.4   | 28.6   | 32.7   | 38.6   | 47.6   | 233.2  |
| 72.5° | 2.3    | 3.6    | 5.9    | 10.4   | 18.2   | 20.4   | 22.2   | 25.0   | 27.7   | 33.1   | 38.1   |
| 75°   | 0.9    | 2.7    | 5.0    | 7.7    | 14.1   | 15.4   | 16.8   | 18.6   | 20.9   | 24.5   | 27.2   |
| 77.5° | 0.9    | 2.3    | 4.1    | 5.4    | 9.1    | 10.4   | 12.3   | 13.6   | 15.4   | 17.2   | 20.0   |
| 80°   | 3.2    | 1.8    | 2.7    | 4.1    | 6.4    | 6.8    | 7.7    | 8.6    | 10.0   | 11.3   | 13.2   |
| 82.5° | 2.3    | 2.7    | 3.2    | 2.7    | 3.2    | 4.1    | 4.5    | 5.4    | 5.9    | 6.8    | 7.3    |
| 85°   | 1.8    | 1.8    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.7    | 3.2    | 4.1    |
| 87.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    | 1.8    |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 167°   | 168°   | 169°   | 170°   | 171°   | 172°   | 173°   | 174°   | 175°   | 176°   | 177°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1507.0 | 1506.1 | 1503.4 | 1503.4 | 1503.0 | 1504.8 | 1506.1 | 1507.5 | 1507.0 | 1509.8 | 1507.0 |
| 5°    | 1518.4 | 1516.1 | 1512.0 | 1508.4 | 1507.0 | 1508.0 | 1506.6 | 1508.0 | 1506.1 | 1508.4 | 1504.3 |
| 7.5°  | 1549.7 | 1542.0 | 1526.1 | 1519.8 | 1511.6 | 1511.1 | 1507.0 | 1506.1 | 1503.4 | 1503.4 | 1498.4 |
| 10°   | 1605.1 | 1567.9 | 1563.3 | 1544.3 | 1537.5 | 1504.3 | 1511.6 | 1499.3 | 1498.0 | 1492.1 | 1489.8 |
| 12.5° | 1650.4 | 1621.4 | 1612.8 | 1596.0 | 1576.9 | 1509.8 | 1524.7 | 1498.4 | 1497.1 | 1485.3 | 1473.0 |
| 15°   | 1651.4 | 1668.1 | 1644.5 | 1598.3 | 1594.2 | 1547.9 | 1517.5 | 1508.4 | 1496.6 | 1461.2 | 1467.1 |
| 17.5° | 1598.3 | 1636.8 | 1648.2 | 1638.2 | 1609.2 | 1577.8 | 1535.2 | 1517.0 | 1481.6 | 1465.8 | 1454.9 |
| 20°   | 1512.0 | 1551.1 | 1599.6 | 1602.8 | 1621.0 | 1598.7 | 1542.9 | 1513.4 | 1470.7 | 1443.1 | 1434.0 |
| 22.5° | 1443.5 | 1472.1 | 1527.9 | 1553.8 | 1576.0 | 1583.7 | 1548.3 | 1504.8 | 1451.7 | 1424.9 | 1419.5 |
| 25°   | 1407.2 | 1413.6 | 1430.4 | 1460.8 | 1509.8 | 1545.2 | 1550.2 | 1503.9 | 1476.2 | 1417.7 | 1386.8 |
| 27.5° | 1394.1 | 1388.6 | 1381.8 | 1397.2 | 1434.0 | 1477.1 | 1505.7 | 1513.4 | 1444.4 | 1388.6 | 1357.8 |
| 30°   | 1360.5 | 1363.7 | 1353.2 | 1347.8 | 1371.8 | 1416.3 | 1467.1 | 1479.8 | 1426.7 | 1369.1 | 1333.7 |
| 32.5° | 1319.2 | 1324.6 | 1326.4 | 1316.9 | 1311.9 | 1342.8 | 1397.7 | 1428.1 | 1425.4 | 1341.4 | 1301.9 |
| 35°   | 1267.4 | 1282.9 | 1287.0 | 1287.4 | 1279.2 | 1274.3 | 1306.0 | 1369.1 | 1393.1 | 1328.7 | 1271.5 |
| 37.5° | 1213.0 | 1217.5 | 1239.8 | 1245.7 | 1245.7 | 1230.7 | 1254.3 | 1304.7 | 1338.2 | 1300.1 | 1234.3 |
| 40°   | 1144.9 | 1159.4 | 1180.3 | 1190.8 | 1201.2 | 1202.6 | 1189.4 | 1224.8 | 1280.2 | 1270.6 | 1199.4 |
| 42.5° | 1095.5 | 1105.0 | 1117.7 | 1131.8 | 1153.1 | 1158.5 | 1144.9 | 1151.3 | 1208.9 | 1233.9 | 1154.0 |
| 45°   | 1037.8 | 1050.5 | 1054.2 | 1069.6 | 1091.8 | 1107.7 | 1107.3 | 1094.1 | 1140.4 | 1171.2 | 1120.9 |
| 47.5° | 978.8  | 991.1  | 997.4  | 1005.2 | 1021.5 | 1041.9 | 1053.3 | 1047.4 | 1056.4 | 1116.8 | 1076.9 |
| 50°   | 918.0  | 924.8  | 937.5  | 946.2  | 957.1  | 968.8  | 996.1  | 1001.5 | 988.8  | 1036.9 | 1028.3 |
| 52.5° | 860.4  | 862.7  | 871.3  | 879.9  | 894.4  | 903.0  | 924.8  | 941.2  | 940.3  | 954.3  | 974.3  |
| 55°   | 815.5  | 805.5  | 807.3  | 814.1  | 823.6  | 836.8  | 849.0  | 874.5  | 883.1  | 885.8  | 917.6  |
| 57.5° | 637.1  | 739.7  | 748.8  | 748.3  | 759.7  | 765.6  | 776.9  | 793.7  | 824.5  | 817.7  | 853.1  |
| 60°   | 579.0  | 590.4  | 676.2  | 686.1  | 690.2  | 695.7  | 709.3  | 724.7  | 747.4  | 761.9  | 777.3  |
| 62.5° | 441.5  | 510.5  | 536.4  | 612.2  | 624.0  | 627.1  | 636.2  | 643.5  | 667.1  | 700.2  | 693.9  |
| 65°   | 341.7  | 371.2  | 450.2  | 481.0  | 545.5  | 553.6  | 566.3  | 574.0  | 580.9  | 619.0  | 620.8  |
| 67.5° | 295.4  | 300.0  | 321.3  | 380.7  | 421.6  | 484.7  | 492.4  | 499.2  | 509.6  | 536.8  | 553.6  |
| 70°   | 252.3  | 257.8  | 263.7  | 268.6  | 321.7  | 363.5  | 422.0  | 424.3  | 431.1  | 449.3  | 487.4  |
| 72.5° | 47.6   | 215.6  | 219.2  | 222.4  | 228.3  | 255.9  | 311.8  | 357.1  | 359.9  | 368.5  | 403.4  |
| 75°   | 32.2   | 37.7   | 51.7   | 177.9  | 183.8  | 185.6  | 195.1  | 251.9  | 293.6  | 295.4  | 310.8  |
| 77.5° | 23.1   | 25.9   | 31.3   | 37.2   | 94.8   | 142.5  | 144.8  | 155.2  | 198.3  | 229.6  | 232.3  |
| 80°   | 15.9   | 17.7   | 20.9   | 23.6   | 29.0   | 38.1   | 105.3  | 108.5  | 113.9  | 157.0  | 165.2  |
| 82.5° | 9.1    | 10.4   | 12.3   | 15.0   | 17.2   | 21.8   | 28.1   | 36.3   | 74.0   | 79.0   | 104.8  |
| 85°   | 4.5    | 5.0    | 5.9    | 7.3    | 8.6    | 10.4   | 14.1   | 17.2   | 23.6   | 42.7   | 44.0   |
| 87.5° | 2.3    | 2.3    | 2.3    | 2.3    | 3.6    | 4.1    | 5.0    | 6.4    | 8.2    | 12.3   | 15.9   |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 178°   | 179°   | 180°   | 181°   | 182°   | 183°   | 184°   | 185°   | 186°   | 187°   | 188°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1507.5 | 1513.9 | 1519.3 | 1520.7 | 1520.7 | 1521.6 | 1522.9 | 1523.8 | 1524.7 | 1525.7 | 1524.7 |
| 5°    | 1504.8 | 1511.6 | 1516.1 | 1517.5 | 1517.5 | 1520.2 | 1522.5 | 1525.2 | 1526.6 | 1526.6 | 1525.7 |
| 7.5°  | 1498.0 | 1503.0 | 1508.9 | 1512.5 | 1512.9 | 1517.5 | 1521.6 | 1521.1 | 1522.9 | 1523.8 | 1526.1 |
| 10°   | 1488.9 | 1488.9 | 1498.9 | 1501.6 | 1503.9 | 1508.9 | 1510.2 | 1512.9 | 1519.3 | 1520.2 | 1526.1 |
| 12.5° | 1484.4 | 1479.8 | 1491.6 | 1493.0 | 1500.7 | 1494.3 | 1502.5 | 1505.2 | 1498.9 | 1507.5 | 1496.2 |
| 15°   | 1463.9 | 1469.4 | 1467.6 | 1471.7 | 1485.3 | 1478.0 | 1500.2 | 1493.0 | 1509.3 | 1489.8 | 1524.3 |
| 17.5° | 1447.1 | 1446.2 | 1453.5 | 1457.1 | 1459.9 | 1475.3 | 1481.2 | 1489.4 | 1495.7 | 1490.3 | 1503.9 |
| 20°   | 1434.9 | 1427.6 | 1433.1 | 1437.2 | 1446.7 | 1458.5 | 1462.1 | 1449.9 | 1471.2 | 1507.5 | 1516.1 |
| 22.5° | 1411.8 | 1406.8 | 1413.1 | 1413.1 | 1427.6 | 1425.8 | 1439.4 | 1431.7 | 1451.7 | 1493.9 | 1537.9 |
| 25°   | 1380.4 | 1380.9 | 1387.7 | 1395.9 | 1398.6 | 1419.0 | 1426.3 | 1436.3 | 1461.2 | 1511.6 | 1538.4 |
| 27.5° | 1348.7 | 1346.0 | 1350.0 | 1366.8 | 1380.9 | 1395.9 | 1398.1 | 1432.2 | 1466.2 | 1500.7 | 1524.3 |
| 30°   | 1316.9 | 1314.2 | 1316.9 | 1329.2 | 1346.0 | 1355.9 | 1380.9 | 1426.3 | 1458.0 | 1481.6 | 1503.9 |
| 32.5° | 1282.9 | 1280.2 | 1286.5 | 1295.6 | 1325.1 | 1326.4 | 1375.9 | 1418.6 | 1443.5 | 1460.8 | 1456.7 |
| 35°   | 1246.6 | 1242.9 | 1248.8 | 1262.9 | 1290.1 | 1300.1 | 1351.9 | 1383.6 | 1411.8 | 1419.9 | 1400.9 |
| 37.5° | 1203.0 | 1196.7 | 1203.9 | 1223.4 | 1252.0 | 1281.1 | 1324.2 | 1360.9 | 1375.9 | 1354.1 | 1331.4 |
| 40°   | 1157.6 | 1153.1 | 1165.8 | 1175.8 | 1209.4 | 1249.7 | 1299.2 | 1325.1 | 1315.5 | 1290.6 | 1265.6 |
| 42.5° | 1117.2 | 1107.7 | 1119.1 | 1138.1 | 1176.2 | 1222.1 | 1262.0 | 1276.5 | 1253.8 | 1217.1 | 1188.0 |
| 45°   | 1067.8 | 1056.4 | 1070.0 | 1095.5 | 1136.3 | 1188.5 | 1219.8 | 1214.8 | 1176.2 | 1144.5 | 1104.5 |
| 47.5° | 1016.0 | 1002.4 | 1016.0 | 1046.4 | 1092.3 | 1147.6 | 1170.3 | 1147.6 | 1099.1 | 1059.2 | 1026.9 |
| 50°   | 965.2  | 949.3  | 962.5  | 1008.3 | 1053.3 | 1095.9 | 1095.5 | 1051.4 | 1022.4 | 978.8  | 950.7  |
| 52.5° | 914.8  | 892.2  | 905.3  | 955.2  | 1000.2 | 1048.7 | 1012.9 | 972.0  | 937.1  | 899.0  | 889.9  |
| 55°   | 852.7  | 828.2  | 845.9  | 918.5  | 953.0  | 981.6  | 924.4  | 888.5  | 854.0  | 835.0  | 823.6  |
| 57.5° | 793.7  | 766.9  | 782.3  | 868.1  | 893.5  | 900.8  | 848.1  | 797.3  | 776.9  | 770.5  | 754.2  |
| 60°   | 732.9  | 702.5  | 717.0  | 815.9  | 833.6  | 804.1  | 752.4  | 712.9  | 708.8  | 696.1  | 683.4  |
| 62.5° | 674.8  | 641.2  | 650.3  | 751.0  | 759.2  | 705.6  | 658.0  | 647.6  | 637.6  | 624.9  | 618.1  |
| 65°   | 608.1  | 573.1  | 585.8  | 682.1  | 674.3  | 605.4  | 578.6  | 576.3  | 563.2  | 552.7  | 562.7  |
| 67.5° | 546.8  | 505.5  | 523.2  | 606.7  | 571.8  | 515.5  | 504.6  | 499.2  | 488.7  | 494.6  | 389.8  |
| 70°   | 479.7  | 434.7  | 458.8  | 525.5  | 473.8  | 436.5  | 432.5  | 424.3  | 424.8  | 337.6  | 284.5  |
| 72.5° | 404.8  | 365.8  | 400.7  | 436.5  | 374.8  | 363.9  | 358.0  | 357.1  | 288.2  | 234.2  | 221.0  |
| 75°   | 339.0  | 299.5  | 337.2  | 350.8  | 298.6  | 291.3  | 290.9  | 240.5  | 189.2  | 180.6  | 176.5  |
| 77.5° | 264.6  | 234.2  | 270.0  | 249.6  | 229.2  | 221.0  | 198.3  | 148.8  | 142.5  | 136.6  | 51.3   |
| 80°   | 178.3  | 180.6  | 201.5  | 172.0  | 163.4  | 139.3  | 109.8  | 105.3  | 90.8   | 36.3   | 28.6   |
| 82.5° | 108.5  | 136.1  | 128.4  | 107.5  | 105.3  | 75.8   | 69.4   | 35.4   | 26.3   | 20.9   | 18.2   |
| 85°   | 56.3   | 69.0   | 66.3   | 58.5   | 43.6   | 39.0   | 21.8   | 16.8   | 13.6   | 10.4   | 8.6    |
| 87.5° | 19.1   | 25.4   | 24.5   | 19.5   | 15.0   | 11.8   | 7.7    | 6.4    | 4.5    | 3.6    | 3.2    |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 189°   | 190°   | 191°   | 192°   | 193°   | 194°   | 195°   | 196°   | 197°   | 198°   | 199°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1523.8 | 1523.8 | 1522.9 | 1523.8 | 1524.3 | 1523.4 | 1523.4 | 1524.3 | 1524.7 | 1525.2 | 1527.5 |
| 5°    | 1526.1 | 1527.0 | 1528.4 | 1531.1 | 1531.6 | 1537.0 | 1539.3 | 1540.6 | 1542.0 | 1542.4 | 1539.3 |
| 7.5°  | 1531.1 | 1534.3 | 1537.0 | 1536.5 | 1533.4 | 1524.7 | 1522.0 | 1519.8 | 1523.8 | 1534.3 | 1546.5 |
| 10°   | 1535.6 | 1521.1 | 1493.9 | 1531.1 | 1519.8 | 1530.2 | 1561.1 | 1567.9 | 1588.7 | 1618.2 | 1626.9 |
| 12.5° | 1504.3 | 1544.3 | 1552.9 | 1511.1 | 1588.3 | 1559.7 | 1593.7 | 1623.7 | 1632.3 | 1662.2 | 1644.1 |
| 15°   | 1537.9 | 1557.4 | 1570.6 | 1612.3 | 1607.8 | 1632.3 | 1641.8 | 1635.9 | 1637.3 | 1645.0 | 1665.4 |
| 17.5° | 1537.5 | 1576.5 | 1585.1 | 1613.2 | 1632.3 | 1632.7 | 1630.0 | 1627.3 | 1634.6 | 1640.5 | 1628.2 |
| 20°   | 1563.8 | 1576.5 | 1593.3 | 1604.6 | 1608.2 | 1612.8 | 1621.4 | 1614.6 | 1601.0 | 1587.8 | 1582.4 |
| 22.5° | 1550.6 | 1579.2 | 1593.7 | 1595.5 | 1593.3 | 1579.2 | 1566.5 | 1547.4 | 1541.1 | 1534.3 | 1536.5 |
| 25°   | 1553.3 | 1566.5 | 1564.7 | 1557.4 | 1547.9 | 1521.6 | 1515.2 | 1507.0 | 1494.8 | 1465.3 | 1438.5 |
| 27.5° | 1533.8 | 1527.0 | 1518.8 | 1501.1 | 1483.9 | 1469.8 | 1454.0 | 1427.6 | 1405.9 | 1374.1 | 1362.3 |
| 30°   | 1501.1 | 1473.9 | 1454.0 | 1443.5 | 1426.7 | 1403.1 | 1379.1 | 1346.9 | 1319.2 | 1312.8 | 1306.9 |
| 32.5° | 1438.5 | 1411.8 | 1395.4 | 1370.0 | 1341.4 | 1313.3 | 1285.6 | 1272.9 | 1267.0 | 1267.9 | 1262.5 |
| 35°   | 1374.5 | 1350.9 | 1326.4 | 1288.3 | 1267.0 | 1238.9 | 1228.9 | 1226.2 | 1220.7 | 1214.8 | 1208.5 |
| 37.5° | 1306.5 | 1278.8 | 1242.0 | 1219.3 | 1198.0 | 1186.7 | 1181.7 | 1177.6 | 1168.1 | 1157.6 | 1150.4 |
| 40°   | 1240.7 | 1190.8 | 1170.3 | 1148.1 | 1141.7 | 1136.8 | 1129.5 | 1119.5 | 1106.3 | 1104.5 | 1101.4 |
| 42.5° | 1152.6 | 1116.8 | 1099.1 | 1094.6 | 1086.8 | 1078.2 | 1071.9 | 1061.0 | 1055.5 | 1059.2 | 1061.9 |
| 45°   | 1069.1 | 1051.0 | 1045.1 | 1039.6 | 1025.1 | 1012.9 | 1008.8 | 1005.2 | 1009.7 | 1029.7 | 982.0  |
| 47.5° | 1001.5 | 994.3  | 987.0  | 977.9  | 964.3  | 955.2  | 959.3  | 963.0  | 967.0  | 820.5  | 748.8  |
| 50°   | 943.0  | 933.0  | 921.7  | 911.7  | 903.5  | 902.6  | 923.9  | 859.9  | 720.2  | 716.5  | 643.9  |
| 52.5° | 879.0  | 864.0  | 857.2  | 851.3  | 854.9  | 868.6  | 718.8  | 667.1  | 639.8  | 555.9  | 518.7  |
| 55°   | 810.0  | 796.9  | 796.9  | 802.3  | 782.8  | 634.4  | 626.7  | 541.8  | 490.6  | 476.0  | 470.1  |
| 57.5° | 741.0  | 739.7  | 747.4  | 683.4  | 575.9  | 552.3  | 464.2  | 445.6  | 437.5  | 435.6  | 426.1  |
| 60°   | 678.0  | 690.7  | 578.1  | 531.8  | 462.4  | 417.0  | 404.3  | 402.1  | 393.4  | 390.3  | 381.6  |
| 62.5° | 627.6  | 520.5  | 484.7  | 395.7  | 372.6  | 366.7  | 359.9  | 356.7  | 349.0  | 308.1  | 90.3   |
| 65°   | 453.3  | 428.4  | 347.6  | 332.6  | 330.8  | 322.2  | 319.5  | 287.3  | 67.6   | 45.4   | 38.6   |
| 67.5° | 342.2  | 303.6  | 293.2  | 290.4  | 281.8  | 264.6  | 78.5   | 44.9   | 38.6   | 33.6   | 29.5   |
| 70°   | 262.7  | 255.9  | 248.2  | 241.9  | 71.2   | 44.5   | 38.6   | 32.7   | 28.1   | 25.0   | 22.7   |
| 72.5° | 215.1  | 210.6  | 122.5  | 46.7   | 38.1   | 32.2   | 28.6   | 25.0   | 21.8   | 20.0   | 18.2   |
| 75°   | 168.4  | 46.7   | 38.6   | 32.2   | 27.7   | 23.6   | 20.9   | 18.6   | 16.8   | 15.4   | 14.1   |
| 77.5° | 38.1   | 30.9   | 26.3   | 22.2   | 20.0   | 17.7   | 15.9   | 13.6   | 12.3   | 10.9   | 9.1    |
| 80°   | 23.6   | 20.4   | 17.2   | 15.9   | 13.6   | 11.3   | 10.0   | 9.1    | 7.3    | 6.8    | 5.9    |
| 82.5° | 15.4   | 12.3   | 10.9   | 9.1    | 7.3    | 6.8    | 5.9    | 4.5    | 4.1    | 3.6    | 3.2    |
| 85°   | 6.8    | 5.9    | 5.0    | 4.1    | 3.2    | 2.7    | 2.3    | 1.8    | 1.8    | 1.8    | 1.8    |
| 87.5° | 2.3    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 0.9    | 0.9    |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 200°   | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1528.4 | 1536.5 | 1544.3 | 1542.0 | 1533.8 | 1521.1 | 1517.5 | 1512.5 | 1516.1 | 1523.8 | 1527.0 |
| 5°    | 1539.3 | 1534.7 | 1551.1 | 1575.1 | 1614.1 | 1617.8 | 1645.0 | 1651.4 | 1673.1 | 1686.8 | 1686.3 |
| 7.5°  | 1554.7 | 1619.1 | 1645.9 | 1675.0 | 1688.1 | 1684.9 | 1689.0 | 1685.8 | 1680.9 | 1678.6 | 1675.9 |
| 10°   | 1633.2 | 1682.2 | 1692.2 | 1692.2 | 1671.8 | 1644.1 | 1632.3 | 1611.9 | 1571.0 | 1571.9 | 1565.1 |
| 12.5° | 1679.0 | 1696.3 | 1672.7 | 1652.7 | 1570.6 | 1538.8 | 1504.3 | 1488.0 | 1478.5 | 1463.9 | 1469.4 |
| 15°   | 1655.0 | 1630.5 | 1616.4 | 1552.0 | 1501.6 | 1444.4 | 1445.3 | 1435.3 | 1424.9 | 1425.8 | 1419.0 |
| 17.5° | 1619.6 | 1600.1 | 1500.2 | 1455.8 | 1431.3 | 1409.0 | 1404.9 | 1391.8 | 1385.0 | 1382.7 | 1382.3 |
| 20°   | 1571.0 | 1500.7 | 1426.3 | 1415.4 | 1385.9 | 1360.5 | 1356.4 | 1360.5 | 1381.3 | 1344.1 | 1218.0 |
| 22.5° | 1514.3 | 1413.1 | 1391.3 | 1360.5 | 1340.5 | 1330.5 | 1355.5 | 1242.0 | 1070.5 | 1091.4 | 1069.1 |
| 25°   | 1418.1 | 1374.1 | 1336.9 | 1313.3 | 1311.0 | 1249.7 | 1041.5 | 1019.7 | 909.4  | 850.4  | 784.2  |
| 27.5° | 1347.8 | 1328.7 | 1289.7 | 1285.6 | 1256.1 | 1021.9 | 913.5  | 793.7  | 749.7  | 742.9  | 728.3  |
| 30°   | 1305.1 | 1277.9 | 1254.3 | 1151.3 | 1002.4 | 822.7  | 732.9  | 716.1  | 708.4  | 700.2  | 687.5  |
| 32.5° | 1253.8 | 1228.0 | 1239.3 | 967.9  | 799.1  | 708.4  | 690.2  | 678.0  | 663.9  | 658.5  | 612.6  |
| 35°   | 1201.6 | 1189.8 | 968.4  | 813.7  | 687.0  | 665.3  | 651.6  | 638.9  | 508.2  | 123.0  | 41.7   |
| 37.5° | 1145.8 | 1143.1 | 870.4  | 675.2  | 643.5  | 623.1  | 584.5  | 120.7  | 28.6   | 19.5   | 14.5   |
| 40°   | 1102.3 | 870.8  | 688.0  | 633.0  | 607.2  | 575.0  | 80.8   | 20.0   | 12.7   | 7.7    | 5.0    |
| 42.5° | 1073.2 | 783.2  | 615.8  | 594.0  | 537.7  | 59.4   | 20.4   | 8.6    | 5.0    | 4.1    | 3.2    |
| 45°   | 827.3  | 618.5  | 575.4  | 552.7  | 68.1   | 20.4   | 11.8   | 4.1    | 3.2    | 2.7    | 1.8    |
| 47.5° | 763.3  | 561.8  | 536.4  | 120.7  | 22.7   | 10.9   | 8.2    | 2.7    | 1.8    | 1.8    | 1.8    |
| 50°   | 578.1  | 519.1  | 427.0  | 29.5   | 14.5   | 7.7    | 5.9    | 1.8    | 1.8    | 1.8    | 1.4    |
| 52.5° | 506.9  | 479.2  | 45.8   | 19.5   | 11.3   | 5.9    | 3.6    | 1.4    | 1.4    | 1.4    | 1.4    |
| 55°   | 463.3  | 304.0  | 27.2   | 15.0   | 9.5    | 5.4    | 2.3    | 1.4    | 1.4    | 1.4    | 0.9    |
| 57.5° | 423.8  | 40.8   | 20.0   | 12.7   | 8.6    | 5.0    | 1.4    | 1.4    | 1.4    | 1.4    | 0.9    |
| 60°   | 359.4  | 29.5   | 16.3   | 11.3   | 8.2    | 4.5    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 62.5° | 46.7   | 23.1   | 14.1   | 10.0   | 5.9    | 3.6    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    |
| 65°   | 34.0   | 18.2   | 12.7   | 6.8    | 3.6    | 1.4    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    |
| 67.5° | 26.3   | 15.0   | 9.5    | 5.9    | 3.2    | 0.9    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    |
| 70°   | 20.9   | 12.7   | 7.7    | 5.0    | 2.7    | 0.9    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    |
| 72.5° | 16.3   | 9.1    | 5.4    | 2.7    | 1.8    | 0.9    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    |
| 75°   | 12.3   | 7.3    | 4.1    | 2.3    | 0.9    | 0.9    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    |
| 77.5° | 8.2    | 4.5    | 3.2    | 1.8    | 1.8    | 1.8    | 2.3    | 2.3    | 1.4    | 1.4    | 1.4    |
| 80°   | 5.4    | 3.2    | 2.3    | 2.3    | 2.3    | 1.8    | 2.3    | 2.3    | 1.4    | 2.3    | 1.4    |
| 82.5° | 2.7    | 2.3    | 2.3    | 1.8    | 1.8    | 1.4    | 1.8    | 1.8    | 1.8    | 1.8    | 1.4    |
| 85°   | 1.8    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    | 1.8    | 1.4    |
| 87.5° | 0.9    | 0.9    | 0.9    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    | 1.8    | 1.4    |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1522.9 | 1524.3 | 1520.7 | 1540.2 | 1530.2 | 1531.1 | 1535.2 | 1524.7 | 1527.0 | 1519.8 | 1514.8 |
| 5°    | 1688.1 | 1690.8 | 1693.6 | 1694.5 | 1696.3 | 1698.6 | 1695.8 | 1694.5 | 1691.7 | 1682.7 | 1673.1 |
| 7.5°  | 1662.2 | 1659.1 | 1657.7 | 1659.5 | 1662.7 | 1664.1 | 1661.8 | 1665.0 | 1676.8 | 1681.8 | 1684.9 |
| 10°   | 1526.1 | 1511.6 | 1521.6 | 1520.2 | 1508.9 | 1547.0 | 1536.5 | 1542.4 | 1546.5 | 1588.3 | 1613.7 |
| 12.5° | 1461.2 | 1470.3 | 1453.0 | 1444.4 | 1455.8 | 1463.5 | 1471.2 | 1454.9 | 1477.6 | 1467.1 | 1500.7 |
| 15°   | 1406.8 | 1401.3 | 1399.5 | 1400.0 | 1397.7 | 1408.6 | 1411.3 | 1414.9 | 1418.1 | 1432.2 | 1437.6 |
| 17.5° | 1382.3 | 1391.3 | 1395.0 | 1397.7 | 1393.1 | 1388.2 | 1383.2 | 1375.9 | 1378.2 | 1374.5 | 1385.0 |
| 20°   | 1133.1 | 1102.7 | 1100.9 | 1118.6 | 1099.1 | 1110.0 | 1136.3 | 1312.4 | 1306.5 | 1375.0 | 1351.9 |
| 22.5° | 945.7  | 917.1  | 892.6  | 871.3  | 901.7  | 914.4  | 963.4  | 1018.8 | 1108.6 | 1094.6 | 1192.1 |
| 25°   | 772.4  | 761.9  | 755.6  | 752.4  | 754.7  | 753.8  | 764.6  | 790.5  | 831.4  | 927.6  | 1051.9 |
| 27.5° | 722.4  | 717.4  | 715.2  | 707.9  | 713.4  | 711.5  | 720.2  | 725.6  | 737.9  | 747.4  | 787.8  |
| 30°   | 683.0  | 677.1  | 673.0  | 665.3  | 670.7  | 671.2  | 673.9  | 688.0  | 692.9  | 701.1  | 713.8  |
| 32.5° | 249.6  | 147.0  | 138.0  | 131.1  | 143.4  | 187.0  | 328.1  | 573.6  | 654.4  | 660.7  | 675.2  |
| 35°   | 24.5   | 20.4   | 18.2   | 18.2   | 18.6   | 20.4   | 27.2   | 71.7   | 131.1  | 506.9  | 634.4  |
| 37.5° | 9.5    | 8.2    | 6.8    | 6.4    | 6.8    | 7.7    | 10.4   | 13.6   | 18.6   | 38.6   | 172.0  |
| 40°   | 4.1    | 3.6    | 3.2    | 3.2    | 3.2    | 3.2    | 3.6    | 4.5    | 6.8    | 12.7   | 20.0   |
| 42.5° | 2.7    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 3.2    | 4.1    | 8.2    |
| 45°   | 1.8    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    | 2.3    | 3.6    |
| 47.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    |
| 50°   | 1.4    | 1.4    | 1.4    | 1.4    | 0.9    | 1.4    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    |
| 52.5° | 1.4    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.4    | 1.4    |
| 55°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.4    |
| 57.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 60°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 62.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.4    | 1.4    | 0.9    |
| 65°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.4    | 0.9    |
| 67.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 70°   | 1.4    | 1.4    | 0.9    | 1.4    | 0.9    | 0.9    | 1.4    | 1.4    | 1.4    | 0.9    | 0.9    |
| 72.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 2.7    | 1.8    |
| 75°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.3    | 2.7    | 2.3    |
| 77.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.3    | 2.3    | 2.3    |
| 80°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    | 1.8    | 1.8    |
| 82.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    | 1.8    | 1.8    |
| 85°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 87.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 340°   | 341°   | 342°   | 343°   | 344°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1506.1 | 1505.7 | 1515.2 | 1522.5 | 1519.8 | 1522.5 | 1525.7 | 1526.1 | 1527.0 | 1523.4 | 1522.0 |
| 5°    | 1655.0 | 1640.9 | 1613.7 | 1594.2 | 1571.5 | 1530.2 | 1509.8 | 1512.0 | 1512.5 | 1511.1 | 1512.9 |
| 7.5°  | 1683.6 | 1682.2 | 1672.7 | 1668.6 | 1653.2 | 1623.7 | 1576.5 | 1568.3 | 1548.3 | 1535.6 | 1525.2 |
| 10°   | 1611.9 | 1644.5 | 1653.2 | 1667.7 | 1676.8 | 1671.3 | 1631.4 | 1625.5 | 1612.8 | 1598.3 | 1601.4 |
| 12.5° | 1534.3 | 1561.1 | 1562.4 | 1641.4 | 1659.1 | 1660.9 | 1645.5 | 1653.6 | 1655.4 | 1622.8 | 1603.7 |
| 15°   | 1439.0 | 1451.7 | 1478.5 | 1552.0 | 1605.5 | 1639.1 | 1649.1 | 1653.6 | 1631.4 | 1630.0 | 1622.3 |
| 17.5° | 1397.2 | 1405.4 | 1417.7 | 1458.9 | 1540.2 | 1589.6 | 1631.8 | 1628.7 | 1637.3 | 1630.9 | 1611.4 |
| 20°   | 1344.6 | 1351.4 | 1373.2 | 1394.1 | 1434.0 | 1499.8 | 1578.7 | 1584.6 | 1596.0 | 1594.6 | 1600.1 |
| 22.5° | 1343.7 | 1319.6 | 1323.3 | 1339.6 | 1381.3 | 1440.3 | 1524.3 | 1543.8 | 1551.1 | 1556.1 | 1562.0 |
| 25°   | 1066.0 | 1257.0 | 1292.0 | 1302.4 | 1329.6 | 1364.1 | 1463.0 | 1470.3 | 1483.9 | 1506.1 | 1522.5 |
| 27.5° | 923.5  | 1053.3 | 1193.0 | 1265.6 | 1282.9 | 1311.5 | 1370.5 | 1381.3 | 1427.6 | 1433.1 | 1458.5 |
| 30°   | 728.8  | 829.1  | 1037.8 | 1212.5 | 1241.1 | 1261.1 | 1302.8 | 1324.6 | 1344.6 | 1366.4 | 1393.1 |
| 32.5° | 685.7  | 701.6  | 817.3  | 1003.3 | 1225.7 | 1210.7 | 1241.6 | 1254.7 | 1276.5 | 1295.6 | 1315.1 |
| 35°   | 646.2  | 657.1  | 681.6  | 821.8  | 998.3  | 1169.4 | 1190.3 | 1198.9 | 1211.2 | 1225.7 | 1239.8 |
| 37.5° | 604.9  | 621.2  | 638.0  | 675.7  | 923.5  | 1136.8 | 1136.3 | 1146.3 | 1153.5 | 1165.8 | 1177.6 |
| 40°   | 109.8  | 570.4  | 597.6  | 622.2  | 716.1  | 906.7  | 1085.5 | 1090.0 | 1095.0 | 1102.7 | 1115.0 |
| 42.5° | 17.7   | 95.3   | 560.0  | 583.6  | 610.4  | 811.8  | 1062.3 | 1043.7 | 1040.5 | 1046.0 | 1056.9 |
| 45°   | 9.1    | 23.1   | 112.5  | 545.0  | 569.1  | 647.6  | 868.6  | 1011.5 | 1008.3 | 997.9  | 1000.2 |
| 47.5° | 6.8    | 14.5   | 27.7   | 188.3  | 532.8  | 555.9  | 801.4  | 792.8  | 853.1  | 968.8  | 951.2  |
| 50°   | 5.9    | 10.0   | 16.3   | 38.6   | 470.6  | 511.9  | 617.2  | 721.1  | 752.8  | 756.9  | 895.8  |
| 52.5° | 5.4    | 6.8    | 11.8   | 25.0   | 98.9   | 473.3  | 501.9  | 538.2  | 591.7  | 706.6  | 703.8  |
| 55°   | 5.0    | 6.4    | 10.0   | 16.8   | 34.5   | 426.6  | 456.1  | 462.9  | 474.2  | 529.1  | 601.7  |
| 57.5° | 2.7    | 5.9    | 9.5    | 14.5   | 25.9   | 78.1   | 413.9  | 419.3  | 428.4  | 430.7  | 456.5  |
| 60°   | 1.4    | 5.4    | 8.6    | 12.7   | 19.1   | 36.3   | 372.1  | 378.5  | 383.9  | 384.8  | 393.0  |
| 62.5° | 0.9    | 5.0    | 7.3    | 11.8   | 15.9   | 25.9   | 88.0   | 179.7  | 341.7  | 341.7  | 351.2  |
| 65°   | 0.9    | 3.6    | 4.5    | 7.7    | 14.5   | 21.3   | 37.2   | 43.1   | 84.0   | 206.5  | 308.1  |
| 67.5° | 0.9    | 1.4    | 4.1    | 6.4    | 10.9   | 16.3   | 27.2   | 31.8   | 38.1   | 43.6   | 80.8   |
| 70°   | 0.9    | 0.9    | 3.6    | 4.1    | 6.8    | 12.3   | 19.5   | 22.2   | 25.9   | 29.5   | 34.0   |
| 72.5° | 0.9    | 0.9    | 3.2    | 3.2    | 4.5    | 8.2    | 15.0   | 16.3   | 18.6   | 20.9   | 24.1   |
| 75°   | 2.3    | 1.8    | 2.7    | 2.7    | 3.2    | 6.4    | 11.3   | 12.7   | 13.6   | 15.4   | 17.7   |
| 77.5° | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 4.1    | 7.3    | 8.2    | 9.5    | 10.4   | 12.3   |
| 80°   | 1.8    | 1.8    | 1.8    | 2.3    | 2.3    | 2.7    | 4.5    | 5.0    | 5.4    | 6.8    | 7.3    |
| 82.5° | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 2.7    | 3.2    | 4.1    |
| 85°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.8    | 1.8    | 1.8    | 1.8    |
| 87.5° | 1.4    | 1.4    | 1.4    | 0.9    | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 346°   | 347°   | 348°   | 349°   | 350°   | 351°   | 352°   | 353°   | 354°   | 355°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1521.6 | 1518.8 | 1516.6 | 1517.9 | 1513.9 | 1512.0 | 1513.4 | 1513.9 | 1514.8 | 1517.0 | 1517.5 |
| 5°    | 1517.5 | 1516.6 | 1520.7 | 1522.9 | 1522.0 | 1522.9 | 1522.9 | 1521.1 | 1518.4 | 1520.2 | 1516.1 |
| 7.5°  | 1514.8 | 1508.9 | 1504.3 | 1505.2 | 1500.7 | 1506.1 | 1511.1 | 1518.4 | 1520.7 | 1520.7 | 1516.1 |
| 10°   | 1561.5 | 1555.2 | 1529.7 | 1512.5 | 1501.1 | 1491.2 | 1514.8 | 1490.7 | 1502.1 | 1458.9 | 1508.4 |
| 12.5° | 1600.1 | 1608.7 | 1597.4 | 1550.2 | 1542.0 | 1512.0 | 1529.3 | 1499.8 | 1491.2 | 1441.7 | 1457.6 |
| 15°   | 1615.5 | 1599.2 | 1595.5 | 1582.4 | 1564.7 | 1556.1 | 1509.8 | 1504.8 | 1490.7 | 1496.2 | 1475.3 |
| 17.5° | 1601.9 | 1610.1 | 1599.2 | 1590.5 | 1572.4 | 1552.0 | 1524.3 | 1499.8 | 1480.3 | 1436.7 | 1473.5 |
| 20°   | 1588.7 | 1599.6 | 1566.9 | 1572.4 | 1574.2 | 1550.6 | 1536.1 | 1515.7 | 1491.2 | 1450.3 | 1418.6 |
| 22.5° | 1566.9 | 1559.2 | 1562.0 | 1553.8 | 1547.0 | 1550.2 | 1530.2 | 1516.1 | 1474.8 | 1456.2 | 1413.1 |
| 25°   | 1531.6 | 1528.8 | 1536.1 | 1535.2 | 1518.8 | 1513.4 | 1503.4 | 1488.4 | 1472.1 | 1442.2 | 1406.8 |
| 27.5° | 1473.9 | 1488.0 | 1500.7 | 1506.6 | 1498.0 | 1483.5 | 1478.0 | 1469.4 | 1458.0 | 1427.6 | 1401.3 |
| 30°   | 1413.1 | 1429.0 | 1443.5 | 1456.2 | 1463.9 | 1457.6 | 1452.6 | 1447.6 | 1430.4 | 1410.4 | 1380.9 |
| 32.5° | 1343.7 | 1364.6 | 1384.5 | 1400.0 | 1416.7 | 1421.7 | 1418.1 | 1414.0 | 1399.5 | 1381.3 | 1357.8 |
| 35°   | 1263.4 | 1292.0 | 1321.0 | 1348.7 | 1355.9 | 1367.7 | 1379.5 | 1372.7 | 1365.0 | 1346.9 | 1325.1 |
| 37.5° | 1195.3 | 1215.7 | 1236.6 | 1271.5 | 1296.9 | 1311.9 | 1332.8 | 1335.5 | 1322.4 | 1313.7 | 1285.1 |
| 40°   | 1125.0 | 1143.6 | 1174.0 | 1194.4 | 1229.3 | 1246.6 | 1268.8 | 1278.8 | 1275.6 | 1270.6 | 1245.7 |
| 42.5° | 1069.6 | 1078.7 | 1098.6 | 1116.8 | 1151.3 | 1186.7 | 1206.2 | 1217.1 | 1228.4 | 1224.3 | 1211.6 |
| 45°   | 1010.6 | 1018.8 | 1025.6 | 1041.5 | 1075.0 | 1106.3 | 1130.4 | 1146.7 | 1167.2 | 1176.7 | 1161.3 |
| 47.5° | 952.1  | 954.3  | 962.5  | 975.7  | 995.6  | 1019.7 | 1060.1 | 1084.6 | 1103.6 | 1122.2 | 1112.2 |
| 50°   | 907.1  | 899.0  | 900.3  | 908.5  | 924.8  | 948.4  | 977.5  | 1012.0 | 1033.7 | 1056.4 | 1058.7 |
| 52.5° | 792.8  | 859.0  | 843.1  | 847.7  | 856.3  | 867.7  | 898.1  | 932.1  | 958.9  | 978.4  | 997.9  |
| 55°   | 665.3  | 678.4  | 805.9  | 787.8  | 793.2  | 803.2  | 817.3  | 851.3  | 877.2  | 904.4  | 931.6  |
| 57.5° | 516.0  | 614.0  | 619.0  | 737.0  | 734.2  | 735.1  | 746.9  | 766.5  | 792.3  | 826.4  | 849.5  |
| 60°   | 401.2  | 442.4  | 522.8  | 563.6  | 667.1  | 670.7  | 677.5  | 688.9  | 711.1  | 743.3  | 780.1  |
| 62.5° | 354.0  | 359.4  | 388.0  | 449.3  | 516.4  | 597.6  | 612.2  | 614.0  | 624.0  | 656.2  | 698.8  |
| 65°   | 310.8  | 314.5  | 323.1  | 329.5  | 385.7  | 464.2  | 534.1  | 545.5  | 551.8  | 570.9  | 607.2  |
| 67.5° | 214.2  | 270.9  | 278.6  | 283.2  | 288.6  | 324.9  | 411.6  | 469.2  | 476.5  | 493.3  | 525.0  |
| 70°   | 41.3   | 85.8   | 234.6  | 239.6  | 242.3  | 250.5  | 264.6  | 356.2  | 404.3  | 420.2  | 434.7  |
| 72.5° | 28.1   | 33.1   | 39.9   | 94.4   | 199.7  | 204.2  | 207.4  | 219.2  | 300.4  | 346.7  | 354.4  |
| 75°   | 20.4   | 22.7   | 26.8   | 33.1   | 40.8   | 133.0  | 164.7  | 170.6  | 176.5  | 243.7  | 282.7  |
| 77.5° | 14.5   | 16.3   | 18.2   | 21.3   | 25.0   | 32.2   | 46.3   | 127.5  | 133.4  | 136.6  | 192.9  |
| 80°   | 8.2    | 10.0   | 12.3   | 14.1   | 15.9   | 18.2   | 23.6   | 29.5   | 65.8   | 96.2   | 101.2  |
| 82.5° | 4.5    | 5.4    | 6.4    | 7.7    | 8.6    | 10.9   | 13.2   | 15.9   | 20.9   | 30.9   | 65.3   |
| 85°   | 2.3    | 2.3    | 2.3    | 3.2    | 3.6    | 5.0    | 5.9    | 6.8    | 9.5    | 13.2   | 18.2   |
| 87.5° | 1.4    | 1.4    | 1.8    | 1.8    | 1.8    | 2.3    | 2.3    | 2.3    | 2.7    | 4.1    | 5.9    |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-27SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 356°   | 357°   | 358°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1512.0 | 1512.0 | 1512.0 | 1512.0 | 1512.0 |
| 2.5°  | 1517.9 | 1516.6 | 1516.6 | 1522.0 | 1520.7 |
| 5°    | 1515.2 | 1513.9 | 1513.4 | 1519.3 | 1516.6 |
| 7.5°  | 1512.9 | 1508.0 | 1506.6 | 1512.0 | 1509.8 |
| 10°   | 1503.9 | 1500.2 | 1502.5 | 1500.7 | 1499.8 |
| 12.5° | 1488.4 | 1486.2 | 1476.6 | 1477.6 | 1485.3 |
| 15°   | 1460.8 | 1469.8 | 1453.5 | 1468.0 | 1471.2 |
| 17.5° | 1409.9 | 1430.4 | 1446.2 | 1454.9 | 1456.2 |
| 20°   | 1432.6 | 1439.4 | 1431.3 | 1431.7 | 1437.2 |
| 22.5° | 1403.1 | 1406.3 | 1408.6 | 1405.9 | 1417.7 |
| 25°   | 1355.9 | 1343.7 | 1370.0 | 1375.4 | 1394.5 |
| 27.5° | 1341.4 | 1331.4 | 1343.7 | 1342.8 | 1358.7 |
| 30°   | 1329.6 | 1297.4 | 1302.8 | 1311.5 | 1331.0 |
| 32.5° | 1312.8 | 1262.0 | 1256.6 | 1275.6 | 1297.4 |
| 35°   | 1283.3 | 1235.2 | 1222.5 | 1234.8 | 1267.4 |
| 37.5° | 1258.4 | 1198.0 | 1172.6 | 1188.9 | 1231.6 |
| 40°   | 1221.2 | 1169.0 | 1129.5 | 1144.0 | 1194.4 |
| 42.5° | 1176.7 | 1144.0 | 1083.2 | 1093.2 | 1150.8 |
| 45°   | 1131.8 | 1102.7 | 1038.3 | 1043.3 | 1111.8 |
| 47.5° | 1085.9 | 1059.2 | 991.5  | 992.4  | 1061.9 |
| 50°   | 1041.0 | 1005.6 | 949.8  | 933.9  | 1008.8 |
| 52.5° | 982.5  | 949.8  | 907.6  | 881.7  | 958.4  |
| 55°   | 927.1  | 890.3  | 859.5  | 819.6  | 901.2  |
| 57.5° | 873.1  | 832.3  | 811.4  | 760.1  | 836.3  |
| 60°   | 799.1  | 779.6  | 748.8  | 699.7  | 777.8  |
| 62.5° | 723.3  | 717.0  | 685.7  | 634.9  | 705.6  |
| 65°   | 634.9  | 649.8  | 617.6  | 574.0  | 630.8  |
| 67.5° | 551.4  | 578.1  | 542.7  | 516.0  | 558.6  |
| 70°   | 462.4  | 493.3  | 473.3  | 463.8  | 481.9  |
| 72.5° | 374.8  | 404.8  | 406.6  | 399.8  | 405.7  |
| 75°   | 289.5  | 322.6  | 340.8  | 330.4  | 331.7  |
| 77.5° | 219.6  | 235.5  | 255.5  | 263.7  | 261.8  |
| 80°   | 135.7  | 163.4  | 179.7  | 196.5  | 190.6  |
| 82.5° | 68.5   | 91.7   | 111.6  | 129.8  | 121.2  |
| 85°   | 28.6   | 36.8   | 51.3   | 67.6   | 64.9   |
| 87.5° | 8.6    | 14.5   | 15.4   | 21.8   | 20.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)