

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: P1213703

Luminaire Tested: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

Issue Date: 3/29/2018

**Test Information**

Test Method: LM-79-2019  
Report Number: P1213703  
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: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
WHITE REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

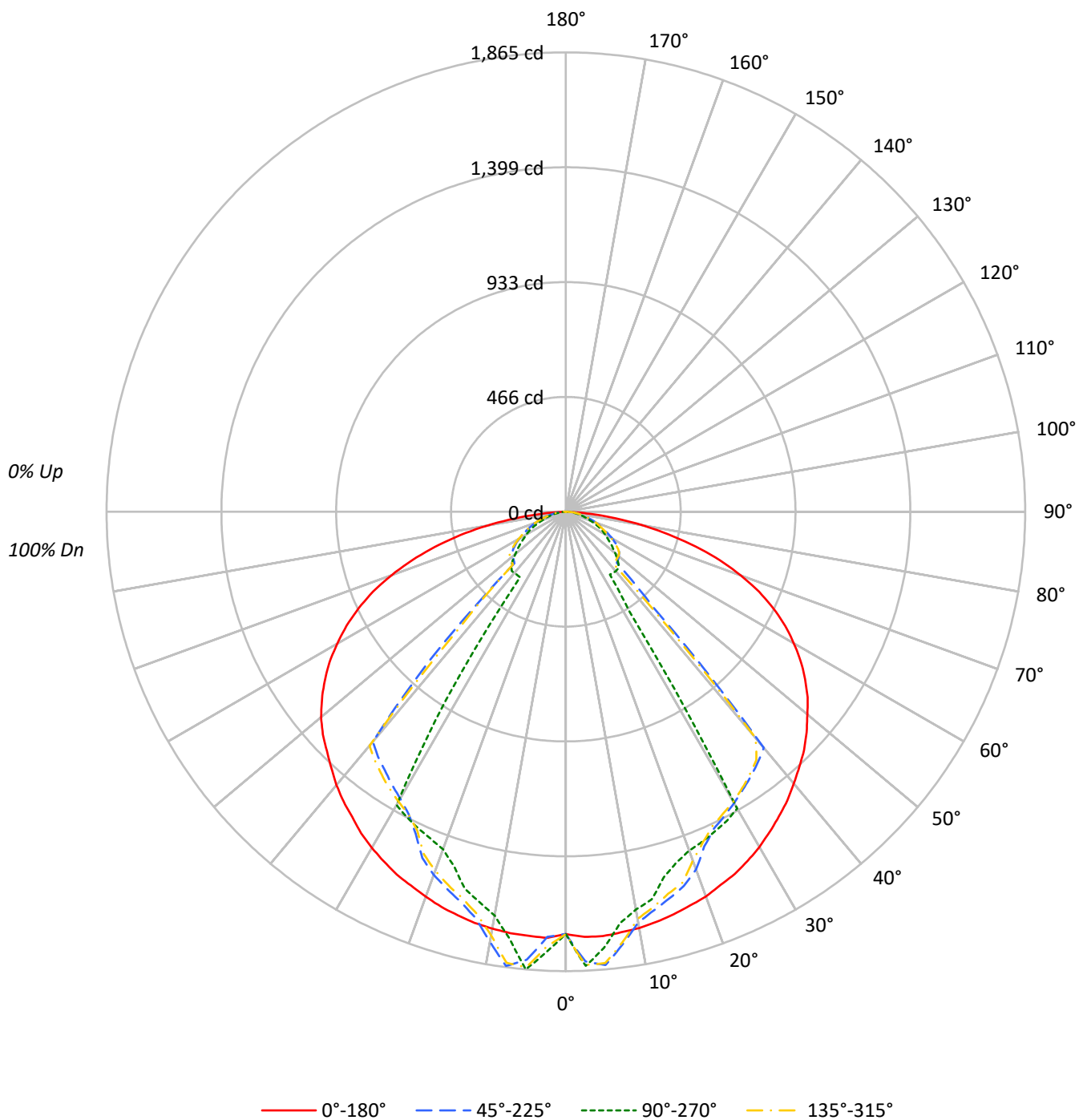
Lumens per Lamp: N/A  
Luminaire Lumens: 3433.0 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 36  
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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

### Luminous Intensity Polar Plot



TEST NUMBER: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 98  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 91  | 89  | 87  |    |    |
| 2   | 102 | 94  | 88  | 83  | 99  | 93  | 87  | 82  | 89  | 85  | 81  | 86  | 82  | 79  | 83  | 80  | 77  | 75  |    |    |
| 3   | 94  | 84  | 77  | 72  | 91  | 83  | 76  | 71  | 80  | 74  | 70  | 77  | 73  | 69  | 75  | 71  | 67  | 65  |    |    |
| 4   | 87  | 76  | 68  | 62  | 85  | 75  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 60  | 68  | 63  | 59  | 57  |    |    |
| 5   | 81  | 69  | 61  | 55  | 79  | 68  | 60  | 55  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 51  |    |    |
| 6   | 75  | 63  | 55  | 49  | 73  | 62  | 54  | 49  | 60  | 53  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 46  |    |    |
| 7   | 70  | 58  | 50  | 44  | 68  | 57  | 49  | 44  | 55  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 41  |    |    |
| 8   | 66  | 53  | 45  | 40  | 64  | 52  | 45  | 40  | 51  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 37  |    |    |
| 9   | 62  | 49  | 41  | 36  | 60  | 48  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 36  | 45  | 40  | 36  | 34  |    |    |
| 10  | 58  | 46  | 38  | 33  | 57  | 45  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 42  | 37  | 33  | 31  |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 27708 | 27708 | 27708 | 27708 |
| 5°  | 27903 | 27916 | 27890 | 29298 |
| 10° | 27853 | 25239 | 27892 | 25627 |
| 15° | 27838 | 23352 | 27902 | 24092 |
| 20° | 27958 | 22149 | 27958 | 22065 |
| 25° | 28113 | 21725 | 28154 | 21523 |
| 30° | 28305 | 21342 | 28375 | 21088 |
| 35° | 28530 | 4861  | 28589 | 5070  |
| 40° | 28869 | 5056  | 29044 | 5219  |
| 45° | 29426 | 5027  | 29527 | 5210  |
| 50° | 29951 | 4545  | 30355 | 4668  |
| 55° | 30670 | 4036  | 30913 | 4092  |
| 60° | 31188 | 3587  | 31258 | 3632  |
| 65° | 31396 | 3129  | 31318 | 3081  |
| 70° | 30481 | 2522  | 30388 | 2431  |
| 75° | 27647 | 1940  | 27849 | 1860  |
| 80° | 21543 | 1380  | 22408 | 1261  |
| 85° | 10622 | 827   | 11217 | 634   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2.5°

Vertical Angle: 57.5°

Luminance: 32093 cd/sqm

TEST NUMBER: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 168.7  | 4.9       |
| 10°-20°   | 463.8  | 13.5      |
| 20°-30°   | 686.9  | 20.0      |
| 30°-40°   | 692.1  | 20.2      |
| 40°-50°   | 540.7  | 15.7      |
| 50°-60°   | 417.6  | 12.2      |
| 60°-70°   | 280.4  | 8.2       |
| 70°-80°   | 143.0  | 4.2       |
| 80°-90°   | 39.8   | 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°    | 1319.4 | 38.4      |
| 0°-40°    | 2011.5 | 58.6      |
| 0°-60°    | 2969.8 | 86.5      |
| 0°-90°    | 3433.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3433.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1714 | 1714 | 1714 | 1714 | 1714 |      |
| 5°  | 1729 | 1777 | 1728 | 1865 | 1729 | 164  |
| 15° | 1692 | 1536 | 1696 | 1585 | 1692 | 478  |
| 25° | 1622 | 1432 | 1625 | 1418 | 1622 | 748  |
| 35° | 1509 | 311  | 1512 | 324  | 1509 | 946  |
| 45° | 1368 | 302  | 1373 | 314  | 1368 | 1055 |
| 55° | 1186 | 220  | 1195 | 223  | 1186 | 1059 |
| 65° | 931  | 148  | 929  | 145  | 931  | 916  |
| 75° | 546  | 75   | 550  | 72   | 546  | 571  |
| 85° | 98   | 24   | 104  | 18   | 98   | 135  |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

TEST NUMBER: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5°  | 25°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1727.7 | 1734.0 | 1738.7 | 1741.9 | 1743.4 | 1743.4 | 1744.2 | 1745.0 | 1755.2 | 1759.9 | 1763.1 |
| 5°    | 1729.3 | 1735.6 | 1745.0 | 1757.6 | 1768.6 | 1778.0 | 1785.8 | 1796.8 | 1807.8 | 1819.6 | 1823.6 |
| 7.5°  | 1722.2 | 1730.1 | 1748.9 | 1771.7 | 1792.9 | 1807.8 | 1818.1 | 1825.1 | 1830.6 | 1831.4 | 1835.3 |
| 10°   | 1715.9 | 1730.1 | 1756.0 | 1785.8 | 1812.6 | 1830.6 | 1830.6 | 1826.7 | 1832.2 | 1811.0 | 1789.8 |
| 12.5° | 1704.9 | 1720.6 | 1756.0 | 1795.3 | 1820.4 | 1827.5 | 1824.3 | 1808.6 | 1776.4 | 1750.5 | 1738.7 |
| 15°   | 1691.6 | 1712.8 | 1756.8 | 1800.8 | 1822.0 | 1824.3 | 1794.5 | 1754.4 | 1730.1 | 1714.4 | 1694.7 |
| 17.5° | 1676.6 | 1704.9 | 1757.6 | 1801.6 | 1809.4 | 1798.4 | 1741.9 | 1716.7 | 1691.6 | 1654.6 | 1627.9 |
| 20°   | 1662.5 | 1690.0 | 1751.3 | 1790.6 | 1795.3 | 1745.8 | 1701.8 | 1675.1 | 1632.6 | 1600.4 | 1588.6 |
| 22.5° | 1640.5 | 1672.7 | 1745.8 | 1775.6 | 1757.6 | 1700.2 | 1657.8 | 1615.4 | 1576.9 | 1567.4 | 1553.3 |
| 25°   | 1622.4 | 1656.2 | 1733.2 | 1757.6 | 1709.6 | 1658.6 | 1609.1 | 1559.6 | 1541.5 | 1528.1 | 1515.6 |
| 27.5° | 1598.1 | 1639.7 | 1716.7 | 1724.6 | 1658.6 | 1613.8 | 1541.5 | 1519.5 | 1503.0 | 1488.1 | 1482.6 |
| 30°   | 1571.4 | 1622.4 | 1693.9 | 1679.0 | 1616.1 | 1550.1 | 1496.7 | 1476.3 | 1464.5 | 1448.8 | 1442.5 |
| 32.5° | 1540.7 | 1596.5 | 1668.8 | 1626.4 | 1570.6 | 1488.1 | 1453.5 | 1437.8 | 1422.1 | 1410.3 | 1371.0 |
| 35°   | 1509.3 | 1573.7 | 1638.9 | 1576.1 | 1515.6 | 1440.9 | 1410.3 | 1396.2 | 1381.2 | 1338.0 | 1297.2 |
| 37.5° | 1477.1 | 1548.6 | 1602.8 | 1521.9 | 1442.5 | 1392.2 | 1366.3 | 1350.6 | 1316.8 | 1261.8 | 1241.4 |
| 40°   | 1440.1 | 1517.9 | 1556.4 | 1466.1 | 1378.9 | 1342.7 | 1318.4 | 1302.7 | 1226.4 | 1202.1 | 1195.8 |
| 42.5° | 1403.2 | 1488.1 | 1499.9 | 1411.9 | 1326.2 | 1290.1 | 1269.7 | 1217.8 | 1165.9 | 1153.4 | 1155.7 |
| 45°   | 1367.9 | 1455.9 | 1437.8 | 1334.9 | 1271.2 | 1241.4 | 1206.8 | 1135.3 | 1107.8 | 1114.1 | 1115.7 |
| 47.5° | 1325.4 | 1417.4 | 1372.6 | 1257.9 | 1214.7 | 1184.8 | 1107.8 | 1064.6 | 1060.7 | 1069.3 | 1074.0 |
| 50°   | 1279.9 | 1374.2 | 1303.4 | 1187.9 | 1153.4 | 1118.0 | 1030.8 | 1008.8 | 1013.5 | 1022.2 | 1027.7 |
| 52.5° | 1237.4 | 1325.4 | 1231.9 | 1122.7 | 1092.9 | 1012.0 | 953.0  | 957.0  | 964.8  | 975.0  | 978.2  |
| 55°   | 1185.6 | 1266.5 | 1155.7 | 1056.7 | 1028.5 | 922.4  | 895.7  | 905.1  | 913.0  | 921.6  | 927.9  |
| 57.5° | 1131.4 | 1198.9 | 1065.4 | 982.9  | 937.3  | 843.0  | 845.4  | 851.7  | 857.2  | 867.4  | 358.3  |
| 60°   | 1069.3 | 1121.9 | 966.4  | 914.5  | 824.2  | 780.2  | 782.5  | 793.5  | 799.0  | 446.3  | 246.7  |
| 62.5° | 1004.9 | 1032.4 | 876.8  | 836.7  | 720.5  | 717.3  | 728.3  | 733.0  | 498.9  | 235.7  | 231.0  |
| 65°   | 931.0  | 925.5  | 788.8  | 725.2  | 649.8  | 652.9  | 664.7  | 641.1  | 220.8  | 220.8  | 219.2  |
| 67.5° | 849.3  | 816.3  | 703.2  | 600.3  | 581.4  | 588.5  | 601.0  | 209.8  | 204.3  | 205.8  | 200.3  |
| 70°   | 755.8  | 709.5  | 614.4  | 508.3  | 514.6  | 521.7  | 202.7  | 190.1  | 187.8  | 183.8  | 172.8  |
| 72.5° | 656.8  | 593.2  | 502.8  | 441.6  | 445.5  | 279.7  | 177.6  | 171.3  | 163.4  | 155.6  | 143.8  |
| 75°   | 546.0  | 463.6  | 369.3  | 369.3  | 374.8  | 159.5  | 154.8  | 144.6  | 135.9  | 125.7  | 118.6  |
| 77.5° | 428.2  | 356.7  | 286.8  | 297.8  | 145.4  | 133.6  | 124.9  | 113.9  | 106.9  | 100.6  | 96.6   |
| 80°   | 313.5  | 249.1  | 216.1  | 193.3  | 113.1  | 101.4  | 92.7   | 86.4   | 83.3   | 79.4   | 74.6   |
| 82.5° | 205.8  | 150.1  | 150.1  | 91.1   | 79.4   | 69.9   | 67.6   | 62.9   | 59.7   | 57.4   | 55.0   |
| 85°   | 98.2   | 87.2   | 66.0   | 55.8   | 49.5   | 44.8   | 43.2   | 40.9   | 40.9   | 40.1   | 39.3   |
| 87.5° | 36.1   | 39.3   | 29.1   | 28.3   | 26.7   | 25.9   | 26.7   | 26.7   | 27.5   | 26.7   | 25.9   |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 27.5°  | 30°    | 32.5°  | 35°    | 37.5°  | 40°    | 42.5°  | 45°    | 47.5°  | 50°    | 52.5°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1770.9 | 1777.2 | 1781.9 | 1789.8 | 1800.0 | 1808.6 | 1816.5 | 1827.5 | 1844.8 | 1849.5 | 1853.4 |
| 5°    | 1823.6 | 1825.9 | 1831.4 | 1837.7 | 1839.3 | 1843.2 | 1842.4 | 1847.1 | 1849.5 | 1855.0 | 1843.2 |
| 7.5°  | 1826.7 | 1814.1 | 1799.2 | 1785.8 | 1776.4 | 1767.8 | 1762.3 | 1770.9 | 1775.6 | 1779.6 | 1767.8 |
| 10°   | 1760.7 | 1745.8 | 1737.1 | 1729.3 | 1719.9 | 1706.5 | 1688.4 | 1692.4 | 1690.8 | 1690.8 | 1686.9 |
| 12.5° | 1719.1 | 1697.9 | 1675.9 | 1656.2 | 1647.6 | 1646.8 | 1647.6 | 1656.2 | 1656.2 | 1655.4 | 1650.7 |
| 15°   | 1653.9 | 1633.4 | 1622.4 | 1617.7 | 1617.7 | 1615.4 | 1615.4 | 1624.8 | 1622.4 | 1622.4 | 1620.1 |
| 17.5° | 1610.6 | 1596.5 | 1588.6 | 1583.1 | 1580.8 | 1584.7 | 1589.4 | 1593.4 | 1594.1 | 1591.0 | 1578.4 |
| 20°   | 1575.3 | 1561.9 | 1552.5 | 1554.1 | 1553.3 | 1555.6 | 1558.0 | 1544.6 | 1528.1 | 1506.1 | 1495.9 |
| 22.5° | 1538.4 | 1528.1 | 1521.1 | 1521.1 | 1511.6 | 1496.7 | 1474.7 | 1470.0 | 1467.6 | 1457.4 | 1448.8 |
| 25°   | 1503.0 | 1491.2 | 1481.0 | 1449.6 | 1429.9 | 1432.3 | 1428.4 | 1420.5 | 1419.7 | 1418.9 | 1422.1 |
| 27.5° | 1467.6 | 1437.0 | 1397.7 | 1393.0 | 1385.2 | 1384.4 | 1389.1 | 1393.0 | 1393.0 | 1396.2 | 1400.1 |
| 30°   | 1394.6 | 1359.2 | 1352.2 | 1343.5 | 1346.7 | 1357.7 | 1360.0 | 1365.5 | 1367.1 | 1372.6 | 1375.7 |
| 32.5° | 1327.8 | 1312.1 | 1305.8 | 1309.7 | 1319.9 | 1329.4 | 1334.9 | 1337.2 | 1341.2 | 1345.9 | 1349.8 |
| 35°   | 1273.6 | 1268.9 | 1274.4 | 1283.0 | 1293.2 | 1301.1 | 1305.8 | 1310.5 | 1314.4 | 1318.4 | 1321.5 |
| 37.5° | 1233.5 | 1236.7 | 1244.5 | 1255.5 | 1265.7 | 1272.0 | 1275.9 | 1281.4 | 1286.9 | 1291.7 | 1272.8 |
| 40°   | 1195.8 | 1203.7 | 1212.3 | 1224.1 | 1232.7 | 1239.0 | 1242.9 | 1250.0 | 1202.9 | 544.5  | 298.6  |
| 42.5° | 1162.8 | 1171.4 | 1177.7 | 1187.2 | 1196.6 | 1201.3 | 1166.7 | 520.9  | 294.6  | 293.1  | 297.0  |
| 45°   | 1122.7 | 1129.8 | 1140.0 | 1147.1 | 1155.7 | 759.0  | 289.9  | 293.1  | 288.3  | 291.5  | 293.1  |
| 47.5° | 1081.9 | 1092.9 | 1098.4 | 1048.1 | 311.9  | 288.3  | 285.2  | 288.3  | 285.2  | 289.1  | 286.8  |
| 50°   | 1035.5 | 1048.9 | 746.4  | 282.1  | 279.7  | 278.1  | 281.3  | 279.7  | 282.1  | 285.2  | 278.9  |
| 52.5° | 988.4  | 612.0  | 273.4  | 271.8  | 273.4  | 271.8  | 277.3  | 273.4  | 274.2  | 271.1  | 263.2  |
| 55°   | 334.7  | 264.8  | 262.4  | 261.6  | 266.3  | 266.3  | 266.3  | 260.1  | 256.1  | 248.3  | 242.8  |
| 57.5° | 256.1  | 256.1  | 255.3  | 256.1  | 254.6  | 253.0  | 245.9  | 240.4  | 234.9  | 223.9  | 220.8  |
| 60°   | 242.8  | 242.8  | 242.8  | 242.8  | 235.7  | 232.6  | 221.6  | 216.8  | 207.4  | 201.9  | 198.8  |
| 62.5° | 231.8  | 230.2  | 223.1  | 220.8  | 212.9  | 204.3  | 198.0  | 193.3  | 183.8  | 180.7  | 178.3  |
| 65°   | 216.1  | 210.6  | 201.9  | 192.5  | 188.6  | 179.1  | 176.0  | 168.9  | 164.2  | 161.8  | 160.3  |
| 67.5° | 190.1  | 182.3  | 175.2  | 168.9  | 161.8  | 158.7  | 154.8  | 149.3  | 146.1  | 144.6  | 143.0  |
| 70°   | 162.6  | 157.1  | 150.1  | 146.1  | 141.4  | 139.1  | 133.6  | 132.0  | 129.6  | 127.3  | 124.9  |
| 72.5° | 135.9  | 132.8  | 129.6  | 124.1  | 122.6  | 121.0  | 115.5  | 112.4  | 109.2  | 106.1  | 104.5  |
| 75°   | 113.9  | 111.6  | 110.0  | 105.3  | 102.9  | 98.2   | 94.3   | 91.9   | 89.6   | 87.2   | 85.6   |
| 77.5° | 93.5   | 91.9   | 87.2   | 84.1   | 82.5   | 78.6   | 77.0   | 77.8   | 76.2   | 73.1   | 71.5   |
| 80°   | 73.1   | 71.5   | 67.6   | 67.6   | 66.0   | 64.4   | 62.9   | 61.3   | 59.7   | 57.4   | 55.8   |
| 82.5° | 55.8   | 54.2   | 52.6   | 51.1   | 49.5   | 48.7   | 47.9   | 46.4   | 44.8   | 43.2   | 42.4   |
| 85°   | 39.3   | 38.5   | 37.7   | 36.9   | 36.1   | 35.4   | 34.6   | 33.0   | 31.4   | 30.6   | 29.9   |
| 87.5° | 26.7   | 25.9   | 25.1   | 24.4   | 23.6   | 22.8   | 22.0   | 21.2   | 19.6   | 18.9   | 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 57.5°  | 60°    | 62.5°  | 65°    | 67.5°  | 70°    | 72.5°  | 75°    | 77.5°  | 80°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1853.4 | 1857.3 | 1853.4 | 1844.8 | 1839.3 | 1836.9 | 1841.6 | 1841.6 | 1844.8 | 1848.7 | 1849.5 |
| 5°    | 1824.3 | 1814.9 | 1803.9 | 1792.9 | 1787.4 | 1784.3 | 1775.6 | 1777.2 | 1779.6 | 1781.1 | 1782.7 |
| 7.5°  | 1752.1 | 1739.5 | 1724.6 | 1710.4 | 1704.9 | 1700.2 | 1690.0 | 1690.0 | 1690.0 | 1690.8 | 1695.5 |
| 10°   | 1678.2 | 1672.7 | 1666.4 | 1657.0 | 1649.9 | 1647.6 | 1638.9 | 1641.3 | 1639.7 | 1642.1 | 1647.6 |
| 12.5° | 1643.6 | 1637.4 | 1631.9 | 1622.4 | 1614.6 | 1611.4 | 1607.5 | 1609.9 | 1609.1 | 1613.0 | 1617.7 |
| 15°   | 1612.2 | 1609.1 | 1602.8 | 1595.7 | 1588.6 | 1582.4 | 1568.2 | 1563.5 | 1560.4 | 1556.4 | 1561.9 |
| 17.5° | 1560.4 | 1538.4 | 1523.4 | 1512.4 | 1504.6 | 1499.1 | 1495.1 | 1495.1 | 1497.5 | 1499.9 | 1504.6 |
| 20°   | 1489.6 | 1483.4 | 1476.3 | 1464.5 | 1456.6 | 1453.5 | 1451.1 | 1451.1 | 1455.1 | 1458.2 | 1466.9 |
| 22.5° | 1440.9 | 1440.1 | 1437.8 | 1432.3 | 1428.4 | 1428.4 | 1429.2 | 1430.7 | 1436.2 | 1440.9 | 1449.6 |
| 25°   | 1418.2 | 1421.3 | 1419.7 | 1416.6 | 1414.2 | 1415.0 | 1413.4 | 1415.0 | 1420.5 | 1425.2 | 1432.3 |
| 27.5° | 1400.1 | 1404.8 | 1403.2 | 1398.5 | 1394.6 | 1396.2 | 1398.5 | 1396.9 | 1401.7 | 1407.2 | 1412.7 |
| 30°   | 1375.7 | 1376.5 | 1379.7 | 1374.2 | 1372.6 | 1374.9 | 1375.7 | 1377.3 | 1382.0 | 1385.9 | 1390.7 |
| 32.5° | 1348.2 | 1354.5 | 1353.7 | 1348.2 | 1348.2 | 1350.6 | 1351.4 | 1298.7 | 1200.5 | 1034.0 | 988.4  |
| 35°   | 1321.5 | 1328.6 | 1316.8 | 1110.2 | 768.4  | 410.1  | 316.6  | 305.6  | 308.0  | 309.6  | 311.1  |
| 37.5° | 977.4  | 463.6  | 295.4  | 297.8  | 300.1  | 302.5  | 304.8  | 307.2  | 309.6  | 311.9  | 312.7  |
| 40°   | 293.8  | 293.1  | 295.4  | 298.6  | 300.9  | 302.5  | 305.6  | 308.0  | 310.3  | 312.7  | 313.5  |
| 42.5° | 290.7  | 292.3  | 294.6  | 297.8  | 300.9  | 304.1  | 306.4  | 309.6  | 311.1  | 312.7  | 313.5  |
| 45°   | 289.1  | 292.3  | 295.4  | 297.8  | 300.1  | 301.7  | 303.3  | 304.1  | 303.3  | 303.3  | 304.8  |
| 47.5° | 286.8  | 289.9  | 290.7  | 289.9  | 290.7  | 289.9  | 289.9  | 289.9  | 287.6  | 286.8  | 286.8  |
| 50°   | 278.1  | 278.1  | 276.6  | 273.4  | 272.6  | 271.8  | 270.3  | 269.5  | 266.3  | 265.6  | 265.6  |
| 52.5° | 260.1  | 259.3  | 256.9  | 253.0  | 251.4  | 249.8  | 249.1  | 248.3  | 245.1  | 243.6  | 244.3  |
| 55°   | 238.8  | 237.3  | 234.9  | 230.2  | 229.4  | 227.8  | 227.1  | 226.3  | 223.1  | 224.7  | 222.3  |
| 57.5° | 219.2  | 216.1  | 212.9  | 212.1  | 209.0  | 208.2  | 207.4  | 206.6  | 204.3  | 205.1  | 203.5  |
| 60°   | 195.6  | 194.8  | 193.3  | 190.1  | 190.1  | 189.3  | 189.3  | 187.8  | 186.2  | 185.4  | 185.4  |
| 62.5° | 178.3  | 176.0  | 174.4  | 174.4  | 172.1  | 172.1  | 172.1  | 170.5  | 168.9  | 169.7  | 168.9  |
| 65°   | 159.5  | 158.7  | 157.9  | 156.4  | 156.4  | 155.6  | 155.6  | 154.0  | 151.6  | 152.4  | 150.9  |
| 67.5° | 143.8  | 142.2  | 140.6  | 139.9  | 136.7  | 135.1  | 134.4  | 133.6  | 130.4  | 131.2  | 129.6  |
| 70°   | 124.1  | 121.8  | 120.2  | 118.6  | 116.3  | 114.7  | 114.7  | 113.1  | 110.8  | 111.6  | 110.0  |
| 72.5° | 103.7  | 102.1  | 100.6  | 99.8   | 97.4   | 96.6   | 95.9   | 95.1   | 92.7   | 93.5   | 92.7   |
| 75°   | 86.4   | 86.4   | 85.6   | 84.9   | 82.5   | 80.1   | 78.6   | 77.8   | 76.2   | 77.0   | 75.4   |
| 77.5° | 71.5   | 69.9   | 68.4   | 68.4   | 66.0   | 64.4   | 62.9   | 62.9   | 62.9   | 62.1   | 61.3   |
| 80°   | 55.8   | 54.2   | 54.2   | 53.4   | 51.9   | 50.3   | 49.5   | 49.5   | 48.7   | 48.7   | 47.9   |
| 82.5° | 42.4   | 40.9   | 40.1   | 40.1   | 38.5   | 37.7   | 36.9   | 36.1   | 36.1   | 36.1   | 35.4   |
| 85°   | 29.9   | 28.3   | 27.5   | 27.5   | 25.9   | 25.1   | 25.1   | 24.4   | 24.4   | 23.6   | 23.6   |
| 87.5° | 18.1   | 17.3   | 16.5   | 16.5   | 14.9   | 14.1   | 14.1   | 14.1   | 13.4   | 13.4   | 12.6   |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 82.5°  | 85°    | 87.5°  | 90°    | 92.5°  | 95°    | 97.5°  | 100°   | 102.5° | 105°   | 107.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1849.5 | 1849.5 | 1844.0 | 1845.6 | 1843.2 | 1846.3 | 1842.4 | 1842.4 | 1847.1 | 1847.1 | 1850.3 |
| 5°    | 1783.5 | 1779.6 | 1778.8 | 1777.2 | 1769.3 | 1772.5 | 1768.6 | 1764.6 | 1770.1 | 1770.1 | 1777.2 |
| 7.5°  | 1693.1 | 1686.1 | 1689.2 | 1684.5 | 1679.8 | 1672.7 | 1675.1 | 1671.9 | 1675.9 | 1681.4 | 1688.4 |
| 10°   | 1646.8 | 1640.5 | 1644.4 | 1639.7 | 1642.1 | 1631.9 | 1632.6 | 1633.4 | 1637.4 | 1638.9 | 1645.2 |
| 12.5° | 1616.9 | 1615.4 | 1613.8 | 1612.2 | 1613.8 | 1608.3 | 1605.1 | 1605.9 | 1607.5 | 1608.3 | 1613.0 |
| 15°   | 1554.1 | 1543.9 | 1547.0 | 1536.0 | 1536.8 | 1537.6 | 1531.3 | 1537.6 | 1536.8 | 1547.0 | 1556.4 |
| 17.5° | 1503.0 | 1503.0 | 1497.5 | 1492.8 | 1489.6 | 1488.9 | 1484.1 | 1487.3 | 1484.1 | 1490.4 | 1492.8 |
| 20°   | 1467.6 | 1466.9 | 1466.1 | 1463.7 | 1455.9 | 1456.6 | 1459.0 | 1451.9 | 1451.1 | 1450.4 | 1455.1 |
| 22.5° | 1451.1 | 1451.9 | 1448.8 | 1448.8 | 1441.7 | 1443.3 | 1444.1 | 1436.2 | 1437.0 | 1434.7 | 1437.0 |
| 25°   | 1433.9 | 1435.4 | 1431.5 | 1431.5 | 1429.9 | 1429.2 | 1425.2 | 1426.8 | 1422.1 | 1418.2 | 1422.1 |
| 27.5° | 1413.4 | 1416.6 | 1413.4 | 1415.0 | 1411.9 | 1410.3 | 1407.9 | 1406.4 | 1401.7 | 1400.9 | 1403.2 |
| 30°   | 1394.6 | 1396.2 | 1395.4 | 1391.4 | 1390.7 | 1385.9 | 1388.3 | 1383.6 | 1378.9 | 1379.7 | 1381.2 |
| 32.5° | 715.0  | 682.8  | 526.4  | 475.3  | 470.6  | 487.9  | 578.3  | 704.0  | 912.2  | 1114.1 | 1259.4 |
| 35°   | 311.9  | 311.9  | 311.9  | 311.1  | 311.1  | 310.3  | 309.6  | 308.8  | 308.0  | 307.2  | 306.4  |
| 37.5° | 313.5  | 313.5  | 313.5  | 313.5  | 312.7  | 311.9  | 311.9  | 310.3  | 309.6  | 308.8  | 308.0  |
| 40°   | 314.3  | 315.1  | 315.1  | 315.1  | 314.3  | 314.3  | 313.5  | 311.9  | 311.1  | 309.6  | 308.0  |
| 42.5° | 313.5  | 314.3  | 314.3  | 313.5  | 313.5  | 312.7  | 312.7  | 311.9  | 311.1  | 310.3  | 309.6  |
| 45°   | 303.3  | 304.1  | 302.5  | 302.5  | 301.7  | 301.7  | 301.7  | 301.7  | 301.7  | 302.5  | 302.5  |
| 47.5° | 285.2  | 285.2  | 284.4  | 283.6  | 283.6  | 282.8  | 283.6  | 282.8  | 284.4  | 285.2  | 286.8  |
| 50°   | 264.0  | 264.0  | 262.4  | 261.6  | 261.6  | 261.6  | 261.6  | 262.4  | 263.2  | 264.8  | 266.3  |
| 52.5° | 242.0  | 242.0  | 241.2  | 240.4  | 239.6  | 239.6  | 242.0  | 241.2  | 242.0  | 242.8  | 245.1  |
| 55°   | 220.8  | 221.6  | 220.0  | 220.0  | 219.2  | 219.2  | 219.2  | 220.0  | 220.8  | 221.6  | 223.9  |
| 57.5° | 202.7  | 202.7  | 201.1  | 201.1  | 201.1  | 200.3  | 202.7  | 201.1  | 201.9  | 202.7  | 204.3  |
| 60°   | 184.6  | 183.8  | 183.8  | 183.1  | 183.1  | 183.1  | 184.6  | 183.8  | 183.8  | 184.6  | 186.2  |
| 62.5° | 168.1  | 168.1  | 167.3  | 167.3  | 166.6  | 166.6  | 168.1  | 167.3  | 167.3  | 168.1  | 168.9  |
| 65°   | 149.3  | 149.3  | 148.5  | 147.7  | 150.1  | 147.7  | 150.1  | 148.5  | 150.1  | 150.9  | 152.4  |
| 67.5° | 128.1  | 128.1  | 128.1  | 127.3  | 127.3  | 128.9  | 129.6  | 128.1  | 128.9  | 130.4  | 131.2  |
| 70°   | 109.2  | 109.2  | 108.4  | 108.4  | 108.4  | 110.0  | 110.8  | 109.2  | 110.0  | 110.8  | 112.4  |
| 72.5° | 92.7   | 91.1   | 91.1   | 90.4   | 91.9   | 91.9   | 92.7   | 91.9   | 92.7   | 92.7   | 94.3   |
| 75°   | 76.2   | 74.6   | 74.6   | 74.6   | 76.2   | 75.4   | 76.2   | 75.4   | 76.2   | 76.2   | 77.0   |
| 77.5° | 61.3   | 60.5   | 59.7   | 59.7   | 61.3   | 61.3   | 61.3   | 60.5   | 61.3   | 62.1   | 62.9   |
| 80°   | 47.9   | 47.1   | 46.4   | 46.4   | 47.9   | 47.9   | 47.9   | 48.7   | 47.9   | 48.7   | 49.5   |
| 82.5° | 35.4   | 34.6   | 33.8   | 35.4   | 35.4   | 35.4   | 35.4   | 36.1   | 35.4   | 36.1   | 36.9   |
| 85°   | 23.6   | 22.8   | 22.0   | 23.6   | 23.6   | 23.6   | 23.6   | 24.4   | 23.6   | 24.4   | 25.1   |
| 87.5° | 12.6   | 11.8   | 11.8   | 12.6   | 12.6   | 12.6   | 13.4   | 13.4   | 13.4   | 14.1   | 14.1   |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 112.5° | 115°   | 117.5° | 120°   | 122.5° | 125°   | 127.5° | 130°   | 132.5° | 135°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1855.0 | 1857.3 | 1856.6 | 1851.8 | 1847.1 | 1841.6 | 1837.7 | 1838.5 | 1846.3 | 1848.7 | 1841.6 |
| 5°    | 1777.2 | 1792.1 | 1792.1 | 1802.3 | 1796.8 | 1792.1 | 1795.3 | 1812.6 | 1821.2 | 1834.6 | 1839.3 |
| 7.5°  | 1697.1 | 1704.1 | 1703.4 | 1713.6 | 1712.0 | 1712.0 | 1714.4 | 1737.1 | 1748.1 | 1759.1 | 1762.3 |
| 10°   | 1652.3 | 1659.4 | 1658.6 | 1659.4 | 1657.0 | 1651.5 | 1651.5 | 1661.7 | 1671.1 | 1676.6 | 1678.2 |
| 12.5° | 1620.1 | 1624.0 | 1623.2 | 1623.2 | 1621.6 | 1616.9 | 1616.1 | 1624.8 | 1635.0 | 1642.1 | 1642.9 |
| 15°   | 1572.1 | 1583.1 | 1585.5 | 1595.7 | 1593.4 | 1587.1 | 1588.6 | 1595.7 | 1602.0 | 1608.3 | 1605.9 |
| 17.5° | 1500.6 | 1506.1 | 1506.9 | 1510.9 | 1509.3 | 1509.3 | 1518.7 | 1544.6 | 1561.9 | 1576.9 | 1578.4 |
| 20°   | 1459.8 | 1463.7 | 1462.1 | 1470.8 | 1466.9 | 1466.1 | 1468.4 | 1479.4 | 1487.3 | 1494.4 | 1506.9 |
| 22.5° | 1440.1 | 1443.3 | 1440.9 | 1441.7 | 1434.7 | 1428.4 | 1426.8 | 1435.4 | 1444.1 | 1453.5 | 1453.5 |
| 25°   | 1423.7 | 1426.0 | 1425.2 | 1423.7 | 1418.2 | 1409.5 | 1407.9 | 1409.5 | 1412.7 | 1413.4 | 1407.9 |
| 27.5° | 1404.0 | 1405.6 | 1405.6 | 1406.4 | 1399.3 | 1391.4 | 1389.9 | 1388.3 | 1391.4 | 1390.7 | 1382.0 |
| 30°   | 1383.6 | 1381.2 | 1382.0 | 1382.8 | 1376.5 | 1369.4 | 1366.3 | 1365.5 | 1368.7 | 1367.9 | 1359.2 |
| 32.5° | 1334.9 | 1352.9 | 1354.5 | 1356.1 | 1350.6 | 1344.3 | 1341.2 | 1338.8 | 1340.4 | 1339.6 | 1331.7 |
| 35°   | 305.6  | 311.1  | 381.1  | 862.7  | 1171.4 | 1297.2 | 1310.5 | 1307.4 | 1308.2 | 1308.2 | 1301.9 |
| 37.5° | 306.4  | 305.6  | 304.8  | 302.5  | 300.1  | 298.6  | 516.2  | 1100.7 | 1275.2 | 1275.9 | 1270.4 |
| 40°   | 306.4  | 305.6  | 304.8  | 303.3  | 300.1  | 297.8  | 293.8  | 290.7  | 297.8  | 655.3  | 1198.9 |
| 42.5° | 308.0  | 306.4  | 304.8  | 303.3  | 300.1  | 297.0  | 293.8  | 289.9  | 292.3  | 290.7  | 286.8  |
| 45°   | 303.3  | 302.5  | 302.5  | 301.7  | 300.1  | 297.0  | 293.1  | 288.3  | 286.0  | 288.3  | 284.4  |
| 47.5° | 288.3  | 289.1  | 291.5  | 292.3  | 292.3  | 293.1  | 290.7  | 287.6  | 283.6  | 286.0  | 281.3  |
| 50°   | 267.9  | 269.5  | 270.3  | 274.2  | 275.8  | 278.9  | 279.7  | 279.7  | 278.9  | 282.1  | 278.9  |
| 52.5° | 245.9  | 247.5  | 251.4  | 253.0  | 254.6  | 259.3  | 260.8  | 263.2  | 264.8  | 269.5  | 272.6  |
| 55°   | 224.7  | 225.5  | 227.1  | 230.2  | 232.6  | 236.5  | 238.8  | 241.2  | 245.1  | 247.5  | 256.9  |
| 57.5° | 205.1  | 205.8  | 209.0  | 209.8  | 211.3  | 214.5  | 216.8  | 220.0  | 223.1  | 224.7  | 235.7  |
| 60°   | 186.2  | 187.0  | 189.3  | 190.1  | 190.9  | 194.1  | 196.4  | 198.8  | 201.1  | 202.7  | 210.6  |
| 62.5° | 169.7  | 169.7  | 172.1  | 172.1  | 172.8  | 175.2  | 176.8  | 178.3  | 180.7  | 181.5  | 185.4  |
| 65°   | 153.2  | 154.0  | 155.6  | 155.6  | 156.4  | 157.9  | 158.7  | 159.5  | 161.8  | 161.8  | 165.0  |
| 67.5° | 132.8  | 133.6  | 135.9  | 137.5  | 138.3  | 141.4  | 142.2  | 143.0  | 144.6  | 145.4  | 146.9  |
| 70°   | 113.1  | 113.9  | 116.3  | 117.1  | 117.9  | 120.2  | 121.8  | 124.1  | 126.5  | 128.9  | 130.4  |
| 72.5° | 95.1   | 95.9   | 98.2   | 98.2   | 100.6  | 101.4  | 102.9  | 103.7  | 106.1  | 107.6  | 110.0  |
| 75°   | 77.8   | 78.6   | 80.9   | 80.9   | 83.3   | 84.1   | 84.9   | 85.6   | 87.2   | 88.8   | 90.4   |
| 77.5° | 63.6   | 63.6   | 66.8   | 68.4   | 69.9   | 69.9   | 70.7   | 70.7   | 70.7   | 71.5   | 73.1   |
| 80°   | 50.3   | 50.3   | 52.6   | 54.2   | 55.8   | 55.8   | 56.6   | 57.4   | 58.1   | 58.1   | 58.9   |
| 82.5° | 37.7   | 37.7   | 40.1   | 40.9   | 42.4   | 42.4   | 42.4   | 43.2   | 44.0   | 43.2   | 44.8   |
| 85°   | 25.9   | 25.9   | 27.5   | 28.3   | 29.9   | 29.9   | 29.9   | 30.6   | 31.4   | 30.6   | 31.4   |
| 87.5° | 14.9   | 15.7   | 16.5   | 17.3   | 18.1   | 18.9   | 18.9   | 18.9   | 19.6   | 19.6   | 20.4   |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 137.5° | 140°   | 142.5° | 145°   | 147.5° | 150°   | 152.5° | 155°   | 157.5° | 160°   | 162.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1833.8 | 1824.3 | 1823.6 | 1812.6 | 1809.4 | 1810.2 | 1801.6 | 1798.4 | 1784.3 | 1781.1 | 1766.2 |
| 5°    | 1840.8 | 1845.6 | 1843.2 | 1842.4 | 1844.8 | 1843.2 | 1836.9 | 1833.8 | 1831.4 | 1825.1 | 1812.6 |
| 7.5°  | 1763.1 | 1766.2 | 1768.6 | 1778.8 | 1787.4 | 1802.3 | 1818.1 | 1828.3 | 1836.1 | 1837.7 | 1827.5 |
| 10°   | 1683.7 | 1698.6 | 1708.9 | 1724.6 | 1737.1 | 1745.8 | 1755.2 | 1763.8 | 1786.6 | 1809.4 | 1822.8 |
| 12.5° | 1642.9 | 1646.8 | 1646.0 | 1654.6 | 1663.3 | 1686.1 | 1708.1 | 1720.6 | 1737.9 | 1748.1 | 1772.5 |
| 15°   | 1608.3 | 1609.1 | 1611.4 | 1617.7 | 1622.4 | 1630.3 | 1640.5 | 1659.4 | 1693.9 | 1709.6 | 1723.0 |
| 17.5° | 1576.9 | 1576.9 | 1578.4 | 1583.9 | 1590.2 | 1597.3 | 1603.6 | 1611.4 | 1628.7 | 1654.6 | 1687.6 |
| 20°   | 1526.6 | 1548.6 | 1550.9 | 1550.1 | 1553.3 | 1566.6 | 1568.2 | 1582.4 | 1591.0 | 1601.2 | 1633.4 |
| 22.5° | 1451.9 | 1465.3 | 1484.1 | 1513.2 | 1524.2 | 1530.5 | 1535.2 | 1541.5 | 1554.9 | 1566.6 | 1580.0 |
| 25°   | 1411.1 | 1419.7 | 1425.2 | 1433.9 | 1456.6 | 1493.6 | 1500.6 | 1507.7 | 1516.4 | 1525.0 | 1541.5 |
| 27.5° | 1374.9 | 1374.2 | 1378.1 | 1385.9 | 1392.2 | 1411.9 | 1446.4 | 1473.9 | 1475.5 | 1488.1 | 1502.2 |
| 30°   | 1349.0 | 1344.3 | 1338.8 | 1337.2 | 1345.9 | 1356.1 | 1366.3 | 1409.5 | 1439.4 | 1445.6 | 1460.6 |
| 32.5° | 1324.7 | 1316.8 | 1308.9 | 1302.7 | 1297.2 | 1305.8 | 1312.1 | 1330.9 | 1369.4 | 1405.6 | 1413.4 |
| 35°   | 1294.8 | 1286.9 | 1277.5 | 1270.4 | 1261.8 | 1261.0 | 1260.2 | 1278.3 | 1290.9 | 1334.1 | 1371.8 |
| 37.5° | 1264.2 | 1255.5 | 1247.7 | 1239.8 | 1231.2 | 1224.9 | 1220.9 | 1225.7 | 1237.4 | 1256.3 | 1319.2 |
| 40°   | 1231.9 | 1221.7 | 1213.9 | 1207.6 | 1195.8 | 1191.1 | 1183.2 | 1180.1 | 1180.9 | 1197.4 | 1230.4 |
| 42.5° | 736.2  | 1173.8 | 1177.7 | 1170.7 | 1160.4 | 1154.2 | 1145.5 | 1141.6 | 1133.7 | 1141.6 | 1160.4 |
| 45°   | 283.6  | 286.8  | 858.7  | 1134.5 | 1121.9 | 1114.1 | 1106.2 | 1102.3 | 1093.7 | 1087.4 | 1104.7 |
| 47.5° | 278.1  | 281.3  | 275.0  | 389.7  | 1070.9 | 1073.2 | 1063.8 | 1059.9 | 1051.2 | 1046.5 | 1041.8 |
| 50°   | 274.2  | 276.6  | 271.8  | 273.4  | 267.9  | 981.3  | 1020.6 | 1015.9 | 1006.5 | 1001.0 | 991.5  |
| 52.5° | 270.3  | 270.3  | 267.1  | 263.2  | 261.6  | 262.4  | 825.7  | 971.1  | 960.1  | 954.6  | 942.0  |
| 55°   | 257.7  | 259.3  | 262.4  | 256.1  | 254.6  | 253.8  | 251.4  | 786.5  | 909.0  | 902.7  | 891.7  |
| 57.5° | 238.8  | 242.0  | 250.6  | 249.1  | 249.1  | 242.8  | 241.2  | 241.2  | 729.9  | 850.1  | 839.1  |
| 60°   | 216.8  | 220.0  | 229.4  | 232.6  | 234.9  | 233.3  | 231.8  | 231.0  | 227.8  | 769.2  | 783.3  |
| 62.5° | 194.1  | 197.2  | 200.3  | 210.6  | 213.7  | 217.6  | 222.3  | 220.0  | 216.8  | 216.8  | 724.4  |
| 65°   | 169.7  | 174.4  | 176.0  | 185.4  | 189.3  | 196.4  | 200.3  | 205.8  | 204.3  | 203.5  | 207.4  |
| 67.5° | 148.5  | 154.0  | 154.8  | 158.7  | 165.8  | 168.9  | 173.6  | 183.8  | 188.6  | 190.1  | 191.7  |
| 70°   | 130.4  | 133.6  | 135.9  | 137.5  | 142.2  | 143.0  | 151.6  | 158.7  | 165.8  | 173.6  | 176.0  |
| 72.5° | 112.4  | 114.7  | 119.4  | 117.9  | 119.4  | 122.6  | 127.3  | 132.0  | 139.1  | 150.1  | 157.1  |
| 75°   | 91.9   | 93.5   | 96.6   | 98.2   | 101.4  | 103.7  | 106.9  | 110.8  | 117.1  | 122.6  | 132.0  |
| 77.5° | 73.9   | 74.6   | 77.0   | 77.8   | 80.9   | 83.3   | 88.8   | 91.1   | 95.1   | 99.0   | 104.5  |
| 80°   | 59.7   | 59.7   | 60.5   | 60.5   | 62.9   | 65.2   | 69.1   | 71.5   | 76.2   | 79.4   | 79.4   |
| 82.5° | 45.6   | 45.6   | 47.9   | 47.9   | 49.5   | 49.5   | 51.9   | 51.9   | 54.2   | 55.8   | 57.4   |
| 85°   | 32.2   | 33.0   | 34.6   | 33.8   | 35.4   | 34.6   | 36.1   | 37.7   | 38.5   | 37.7   | 36.9   |
| 87.5° | 21.2   | 21.2   | 22.8   | 22.0   | 22.8   | 22.8   | 24.4   | 24.4   | 25.1   | 25.1   | 24.4   |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 167.5° | 170°   | 172.5° | 175°   | 177.5° | 180°   | 182.5° | 185°   | 187.5° | 190°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1760.7 | 1748.9 | 1741.9 | 1733.2 | 1730.9 | 1728.5 | 1731.6 | 1731.6 | 1726.9 | 1723.0 | 1715.9 |
| 5°    | 1801.6 | 1789.0 | 1775.6 | 1761.5 | 1748.1 | 1734.0 | 1728.5 | 1727.7 | 1719.1 | 1714.4 | 1712.0 |
| 7.5°  | 1822.8 | 1816.5 | 1801.6 | 1781.9 | 1761.5 | 1736.4 | 1725.4 | 1719.1 | 1710.4 | 1708.9 | 1708.9 |
| 10°   | 1825.1 | 1818.1 | 1810.2 | 1796.1 | 1772.5 | 1739.5 | 1718.3 | 1705.7 | 1697.9 | 1703.4 | 1713.6 |
| 12.5° | 1802.3 | 1815.7 | 1808.6 | 1799.2 | 1780.3 | 1740.3 | 1709.6 | 1690.8 | 1688.4 | 1702.6 | 1729.3 |
| 15°   | 1744.2 | 1783.5 | 1803.1 | 1793.7 | 1778.8 | 1738.7 | 1695.5 | 1673.5 | 1673.5 | 1702.6 | 1737.1 |
| 17.5° | 1700.2 | 1730.9 | 1778.8 | 1786.6 | 1769.3 | 1735.6 | 1682.1 | 1656.2 | 1663.3 | 1705.7 | 1742.6 |
| 20°   | 1664.1 | 1682.9 | 1729.3 | 1773.3 | 1756.8 | 1728.5 | 1662.5 | 1635.8 | 1649.9 | 1701.0 | 1750.5 |
| 22.5° | 1607.5 | 1645.2 | 1673.5 | 1738.7 | 1744.2 | 1715.1 | 1642.9 | 1610.6 | 1638.9 | 1701.0 | 1746.6 |
| 25°   | 1552.5 | 1598.1 | 1627.9 | 1691.6 | 1725.4 | 1698.6 | 1624.8 | 1583.9 | 1627.1 | 1698.6 | 1743.4 |
| 27.5° | 1514.0 | 1535.2 | 1589.4 | 1635.0 | 1697.1 | 1676.6 | 1600.4 | 1554.9 | 1612.2 | 1686.1 | 1725.4 |
| 30°   | 1473.1 | 1487.3 | 1540.7 | 1583.9 | 1659.4 | 1651.5 | 1575.3 | 1522.6 | 1593.4 | 1674.3 | 1678.2 |
| 32.5° | 1428.4 | 1444.1 | 1471.6 | 1534.4 | 1606.7 | 1627.9 | 1547.0 | 1490.4 | 1572.9 | 1656.2 | 1623.2 |
| 35°   | 1382.8 | 1394.6 | 1416.6 | 1484.1 | 1545.4 | 1592.6 | 1512.4 | 1453.5 | 1558.8 | 1628.7 | 1570.6 |
| 37.5° | 1337.2 | 1349.8 | 1368.7 | 1425.2 | 1481.0 | 1559.6 | 1482.6 | 1416.6 | 1532.9 | 1580.0 | 1515.6 |
| 40°   | 1294.0 | 1301.1 | 1320.7 | 1356.1 | 1427.6 | 1525.8 | 1448.8 | 1378.1 | 1506.1 | 1517.9 | 1440.9 |
| 42.5° | 1214.7 | 1250.0 | 1268.1 | 1296.4 | 1367.1 | 1479.4 | 1409.5 | 1337.2 | 1476.3 | 1455.9 | 1366.3 |
| 45°   | 1129.0 | 1206.0 | 1213.9 | 1242.2 | 1313.7 | 1429.9 | 1372.6 | 1297.2 | 1448.0 | 1402.4 | 1295.6 |
| 47.5° | 1059.1 | 1114.9 | 1160.4 | 1184.0 | 1250.0 | 1371.8 | 1338.0 | 1263.4 | 1405.6 | 1334.9 | 1226.4 |
| 50°   | 997.0  | 1026.9 | 1109.4 | 1126.7 | 1173.8 | 1301.9 | 1297.2 | 1224.1 | 1346.7 | 1250.0 | 1158.9 |
| 52.5° | 936.5  | 957.7  | 1032.4 | 1069.3 | 1107.8 | 1226.4 | 1248.4 | 1185.6 | 1282.2 | 1165.2 | 1090.5 |
| 55°   | 883.9  | 891.0  | 931.8  | 1009.6 | 1044.2 | 1150.2 | 1195.0 | 1140.8 | 1200.5 | 1084.2 | 1024.5 |
| 57.5° | 829.7  | 823.4  | 853.2  | 953.0  | 978.2  | 1072.5 | 1138.4 | 1095.2 | 1134.5 | 1001.7 | 956.2  |
| 60°   | 773.1  | 764.5  | 777.0  | 843.0  | 908.2  | 995.5  | 1071.7 | 1045.0 | 1054.4 | 920.0  | 880.0  |
| 62.5° | 714.2  | 705.5  | 701.6  | 743.3  | 839.9  | 916.1  | 1004.1 | 989.2  | 956.2  | 845.4  | 785.7  |
| 65°   | 652.9  | 644.3  | 638.0  | 654.5  | 764.5  | 813.2  | 928.7  | 924.7  | 848.5  | 766.8  | 661.5  |
| 67.5° | 198.8  | 586.1  | 572.8  | 572.0  | 644.3  | 719.7  | 847.0  | 840.7  | 740.1  | 682.8  | 569.6  |
| 70°   | 179.1  | 475.3  | 505.2  | 498.1  | 529.5  | 624.6  | 753.5  | 748.8  | 634.8  | 547.6  | 503.6  |
| 72.5° | 164.2  | 168.1  | 446.3  | 438.4  | 445.5  | 531.1  | 656.0  | 643.5  | 538.2  | 432.1  | 435.3  |
| 75°   | 140.6  | 147.7  | 154.0  | 370.1  | 360.6  | 440.0  | 550.0  | 530.3  | 443.9  | 356.7  | 363.8  |
| 77.5° | 114.7  | 123.4  | 128.1  | 269.5  | 291.5  | 313.5  | 439.2  | 413.3  | 305.6  | 285.2  | 135.9  |
| 80°   | 85.6   | 92.7   | 100.6  | 107.6  | 221.6  | 219.2  | 326.1  | 300.1  | 212.9  | 177.6  | 106.1  |
| 82.5° | 62.9   | 65.2   | 69.9   | 77.8   | 88.0   | 146.9  | 209.8  | 184.6  | 147.7  | 80.9   | 73.1   |
| 85°   | 39.3   | 42.4   | 44.8   | 47.1   | 53.4   | 88.0   | 103.7  | 82.5   | 62.1   | 49.5   | 46.4   |
| 87.5° | 25.1   | 25.1   | 24.4   | 25.1   | 25.9   | 31.4   | 35.4   | 33.8   | 26.7   | 25.1   | 25.1   |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 192.5° | 195°   | 197.5° | 200°   | 202.5° | 205°   | 207.5° | 210°   | 212.5° | 215°   | 217.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1708.1 | 1697.1 | 1697.1 | 1693.9 | 1696.3 | 1696.3 | 1695.5 | 1696.3 | 1701.8 | 1704.9 | 1710.4 |
| 5°    | 1707.3 | 1704.1 | 1711.2 | 1719.9 | 1730.1 | 1742.6 | 1745.8 | 1756.8 | 1767.0 | 1780.3 | 1794.5 |
| 7.5°  | 1717.5 | 1728.5 | 1741.9 | 1756.0 | 1776.4 | 1791.3 | 1804.7 | 1818.1 | 1827.5 | 1840.1 | 1847.9 |
| 10°   | 1732.4 | 1754.4 | 1777.2 | 1795.3 | 1817.3 | 1829.8 | 1838.5 | 1840.1 | 1826.7 | 1805.5 | 1788.2 |
| 12.5° | 1753.6 | 1779.6 | 1800.8 | 1818.1 | 1828.3 | 1823.6 | 1798.4 | 1772.5 | 1757.6 | 1735.6 | 1704.9 |
| 15°   | 1771.7 | 1795.3 | 1817.3 | 1810.2 | 1782.7 | 1756.8 | 1737.1 | 1706.5 | 1676.6 | 1656.2 | 1642.9 |
| 17.5° | 1779.6 | 1802.3 | 1794.5 | 1757.6 | 1731.6 | 1701.8 | 1661.7 | 1638.1 | 1618.5 | 1602.8 | 1594.9 |
| 20°   | 1784.3 | 1780.3 | 1737.9 | 1711.2 | 1660.9 | 1633.4 | 1607.5 | 1585.5 | 1570.6 | 1562.7 | 1561.1 |
| 22.5° | 1771.7 | 1723.8 | 1687.6 | 1639.7 | 1602.8 | 1580.0 | 1559.6 | 1541.5 | 1531.3 | 1525.0 | 1521.1 |
| 25°   | 1730.1 | 1674.3 | 1620.9 | 1583.1 | 1551.7 | 1532.1 | 1516.4 | 1501.4 | 1488.9 | 1485.7 | 1477.9 |
| 27.5° | 1671.9 | 1626.4 | 1555.6 | 1526.6 | 1499.1 | 1489.6 | 1472.4 | 1457.4 | 1446.4 | 1437.0 | 1411.9 |
| 30°   | 1624.0 | 1551.7 | 1500.6 | 1473.9 | 1457.4 | 1446.4 | 1426.8 | 1411.1 | 1392.2 | 1357.7 | 1343.5 |
| 32.5° | 1565.1 | 1493.6 | 1444.9 | 1429.9 | 1409.5 | 1400.1 | 1378.1 | 1343.5 | 1314.4 | 1300.3 | 1299.5 |
| 35°   | 1488.9 | 1429.9 | 1394.6 | 1381.2 | 1364.7 | 1349.0 | 1303.4 | 1272.0 | 1257.9 | 1259.4 | 1271.2 |
| 37.5° | 1425.2 | 1372.6 | 1349.8 | 1330.9 | 1312.1 | 1272.0 | 1233.5 | 1218.6 | 1222.5 | 1230.4 | 1235.9 |
| 40°   | 1360.8 | 1320.7 | 1294.8 | 1279.9 | 1237.4 | 1198.2 | 1177.7 | 1183.2 | 1190.3 | 1195.8 | 1202.9 |
| 42.5° | 1297.9 | 1269.7 | 1243.7 | 1214.7 | 1156.5 | 1135.3 | 1140.0 | 1147.1 | 1153.4 | 1161.2 | 1168.3 |
| 45°   | 1238.2 | 1213.1 | 1183.2 | 1117.2 | 1088.2 | 1093.7 | 1100.7 | 1106.2 | 1115.7 | 1121.2 | 1128.2 |
| 47.5° | 1181.7 | 1154.9 | 1102.3 | 1044.2 | 1041.0 | 1052.0 | 1058.3 | 1065.4 | 1072.5 | 1058.3 | 583.8  |
| 50°   | 1118.0 | 1090.5 | 1010.4 | 988.4  | 995.5  | 1005.7 | 1013.5 | 1020.6 | 909.0  | 361.4  | 278.1  |
| 52.5° | 1055.2 | 985.2  | 934.2  | 940.5  | 947.5  | 959.3  | 964.8  | 716.5  | 285.2  | 271.8  | 272.6  |
| 55°   | 985.2  | 895.7  | 880.7  | 888.6  | 894.9  | 906.7  | 601.0  | 263.2  | 261.6  | 260.8  | 267.1  |
| 57.5° | 875.2  | 821.0  | 827.3  | 835.2  | 841.5  | 594.0  | 256.1  | 254.6  | 255.3  | 256.1  | 256.9  |
| 60°   | 777.0  | 765.3  | 772.3  | 779.4  | 551.5  | 247.5  | 242.8  | 243.6  | 246.7  | 244.3  | 238.1  |
| 62.5° | 699.3  | 708.7  | 715.8  | 627.0  | 234.9  | 232.6  | 234.9  | 232.6  | 227.1  | 223.1  | 215.3  |
| 65°   | 639.5  | 649.0  | 654.5  | 220.8  | 220.0  | 223.1  | 220.8  | 212.9  | 204.3  | 193.3  | 190.9  |
| 67.5° | 576.7  | 586.1  | 209.8  | 204.3  | 207.4  | 203.5  | 194.1  | 184.6  | 178.3  | 168.9  | 165.0  |
| 70°   | 511.5  | 219.2  | 190.1  | 189.3  | 183.8  | 177.6  | 167.3  | 157.9  | 150.1  | 146.1  | 142.2  |
| 72.5° | 369.3  | 173.6  | 171.3  | 165.0  | 155.6  | 146.9  | 138.3  | 132.8  | 128.9  | 126.5  | 124.1  |
| 75°   | 154.0  | 150.9  | 143.8  | 132.8  | 123.4  | 119.4  | 113.1  | 109.2  | 107.6  | 102.9  | 101.4  |
| 77.5° | 128.9  | 122.6  | 112.4  | 104.5  | 99.0   | 96.6   | 91.9   | 87.2   | 84.9   | 84.1   | 80.9   |
| 80°   | 99.0   | 90.4   | 85.6   | 81.7   | 80.1   | 74.6   | 69.1   | 66.8   | 65.2   | 64.4   | 62.1   |
| 82.5° | 67.6   | 64.4   | 61.3   | 55.8   | 55.8   | 53.4   | 51.1   | 49.5   | 47.9   | 47.9   | 46.4   |
| 85°   | 44.0   | 41.6   | 40.9   | 38.5   | 38.5   | 36.9   | 36.1   | 35.4   | 34.6   | 33.8   | 33.0   |
| 87.5° | 25.1   | 25.1   | 25.9   | 25.1   | 25.1   | 24.4   | 23.6   | 22.8   | 22.0   | 22.0   | 20.4   |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 222.5° | 225°   | 227.5° | 230°   | 232.5° | 235°   | 237.5° | 240°   | 242.5° | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1717.5 | 1725.4 | 1726.9 | 1753.6 | 1768.6 | 1767.8 | 1763.1 | 1777.2 | 1768.6 | 1763.8 | 1768.6 |
| 5°    | 1808.6 | 1818.1 | 1825.9 | 1855.0 | 1865.2 | 1869.9 | 1869.1 | 1877.0 | 1870.7 | 1865.2 | 1865.2 |
| 7.5°  | 1853.4 | 1856.6 | 1859.7 | 1852.6 | 1847.9 | 1840.1 | 1828.3 | 1811.0 | 1802.3 | 1792.9 | 1781.1 |
| 10°   | 1779.6 | 1769.3 | 1773.3 | 1759.1 | 1747.4 | 1738.7 | 1727.7 | 1713.6 | 1701.8 | 1693.1 | 1679.8 |
| 12.5° | 1689.2 | 1688.4 | 1690.0 | 1692.4 | 1680.6 | 1673.5 | 1664.9 | 1654.6 | 1646.0 | 1636.6 | 1625.6 |
| 15°   | 1634.2 | 1635.0 | 1641.3 | 1638.9 | 1635.0 | 1631.1 | 1621.6 | 1618.5 | 1610.6 | 1600.4 | 1594.1 |
| 17.5° | 1594.9 | 1598.9 | 1605.1 | 1602.0 | 1595.7 | 1591.8 | 1584.7 | 1577.6 | 1570.6 | 1562.7 | 1553.3 |
| 20°   | 1560.4 | 1564.3 | 1568.2 | 1564.3 | 1552.5 | 1547.0 | 1537.6 | 1515.6 | 1499.9 | 1484.1 | 1470.0 |
| 22.5° | 1522.6 | 1525.0 | 1521.9 | 1509.3 | 1479.4 | 1465.3 | 1454.3 | 1448.0 | 1434.7 | 1426.0 | 1417.4 |
| 25°   | 1475.5 | 1462.1 | 1441.7 | 1427.6 | 1415.8 | 1409.5 | 1404.8 | 1404.0 | 1402.4 | 1400.9 | 1396.9 |
| 27.5° | 1398.5 | 1393.8 | 1382.8 | 1377.3 | 1378.1 | 1380.4 | 1381.2 | 1383.6 | 1381.2 | 1378.1 | 1374.9 |
| 30°   | 1341.2 | 1343.5 | 1344.3 | 1345.9 | 1349.8 | 1352.2 | 1352.9 | 1356.1 | 1354.5 | 1352.2 | 1350.6 |
| 32.5° | 1305.0 | 1310.5 | 1313.7 | 1318.4 | 1320.7 | 1324.7 | 1324.7 | 1329.4 | 1324.7 | 1323.9 | 1322.3 |
| 35°   | 1275.2 | 1279.9 | 1281.4 | 1288.5 | 1290.9 | 1294.8 | 1294.8 | 1298.7 | 1294.8 | 1254.7 | 990.7  |
| 37.5° | 1245.3 | 1250.0 | 1253.2 | 1259.4 | 1260.2 | 1262.6 | 1165.2 | 852.5  | 550.0  | 425.8  | 325.3  |
| 40°   | 1209.9 | 1215.4 | 1218.6 | 1220.9 | 858.0  | 544.5  | 374.8  | 304.8  | 304.8  | 307.2  | 309.6  |
| 42.5° | 1172.2 | 1176.2 | 819.5  | 476.9  | 297.0  | 296.2  | 298.6  | 300.9  | 303.3  | 306.4  | 309.6  |
| 45°   | 921.6  | 465.1  | 295.4  | 288.3  | 290.7  | 293.8  | 297.0  | 300.1  | 304.1  | 307.2  | 308.8  |
| 47.5° | 302.5  | 283.6  | 287.6  | 284.4  | 288.3  | 292.3  | 295.4  | 298.6  | 299.3  | 300.1  | 299.3  |
| 50°   | 279.7  | 279.7  | 282.1  | 282.1  | 285.2  | 286.8  | 286.8  | 286.8  | 283.6  | 282.8  | 280.5  |
| 52.5° | 270.3  | 276.6  | 273.4  | 275.0  | 273.4  | 271.1  | 268.7  | 266.3  | 261.6  | 260.1  | 256.9  |
| 55°   | 265.6  | 267.9  | 260.1  | 257.7  | 254.6  | 248.3  | 245.1  | 242.0  | 238.1  | 236.5  | 232.6  |
| 57.5° | 254.6  | 249.1  | 240.4  | 236.5  | 231.0  | 224.7  | 221.6  | 219.2  | 215.3  | 213.7  | 211.3  |
| 60°   | 234.1  | 223.1  | 217.6  | 212.9  | 206.6  | 201.1  | 198.8  | 197.2  | 194.1  | 193.3  | 190.9  |
| 62.5° | 209.0  | 199.6  | 194.8  | 188.6  | 183.8  | 180.7  | 178.3  | 177.6  | 174.4  | 174.4  | 172.8  |
| 65°   | 181.5  | 176.8  | 172.8  | 166.6  | 164.2  | 161.1  | 160.3  | 159.5  | 157.9  | 157.1  | 155.6  |
| 67.5° | 159.5  | 156.4  | 150.9  | 147.7  | 146.1  | 143.8  | 142.2  | 140.6  | 137.5  | 135.9  | 133.6  |
| 70°   | 139.9  | 137.5  | 132.0  | 129.6  | 126.5  | 122.6  | 120.2  | 118.6  | 116.3  | 114.7  | 112.4  |
| 72.5° | 121.0  | 113.9  | 110.0  | 107.6  | 105.3  | 101.4  | 100.6  | 99.0   | 96.6   | 95.9   | 93.5   |
| 75°   | 97.4   | 91.9   | 89.6   | 88.0   | 85.6   | 83.3   | 83.3   | 83.3   | 80.9   | 80.1   | 79.4   |
| 77.5° | 77.8   | 74.6   | 73.1   | 71.5   | 70.7   | 69.1   | 66.8   | 66.0   | 63.6   | 63.6   | 62.9   |
| 80°   | 59.7   | 58.1   | 56.6   | 55.8   | 55.0   | 53.4   | 51.9   | 51.1   | 48.7   | 48.7   | 47.9   |
| 82.5° | 44.0   | 43.2   | 42.4   | 41.6   | 40.9   | 40.1   | 37.7   | 36.9   | 35.4   | 35.4   | 34.6   |
| 85°   | 31.4   | 30.6   | 29.1   | 28.3   | 28.3   | 27.5   | 25.1   | 24.4   | 22.8   | 22.8   | 22.8   |
| 87.5° | 19.6   | 18.9   | 18.1   | 17.3   | 16.5   | 15.7   | 14.1   | 13.4   | 13.4   | 11.8   | 11.0   |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°   | 252.5° | 255°   | 257.5° | 260°   | 262.5° | 265°   | 267.5° | 270°   | 272.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1759.1 | 1772.5 | 1770.9 | 1780.3 | 1782.7 | 1787.4 | 1789.0 | 1789.8 | 1778.0 | 1787.4 | 1788.2 |
| 5°    | 1862.8 | 1865.2 | 1866.8 | 1870.7 | 1874.6 | 1875.4 | 1871.5 | 1866.8 | 1868.3 | 1865.2 | 1857.3 |
| 7.5°  | 1779.6 | 1767.8 | 1765.4 | 1762.3 | 1760.7 | 1759.1 | 1752.1 | 1758.3 | 1751.3 | 1748.1 | 1737.1 |
| 10°   | 1677.4 | 1666.4 | 1665.6 | 1665.6 | 1668.0 | 1667.2 | 1665.6 | 1662.5 | 1668.8 | 1664.9 | 1662.5 |
| 12.5° | 1624.0 | 1620.1 | 1622.4 | 1620.9 | 1627.1 | 1628.7 | 1627.1 | 1627.1 | 1625.6 | 1622.4 | 1624.0 |
| 15°   | 1591.8 | 1588.6 | 1591.0 | 1588.6 | 1593.4 | 1594.1 | 1590.2 | 1592.6 | 1588.6 | 1584.7 | 1583.1 |
| 17.5° | 1549.4 | 1542.3 | 1536.8 | 1528.9 | 1529.7 | 1528.1 | 1523.4 | 1523.4 | 1519.5 | 1509.3 | 1510.1 |
| 20°   | 1467.6 | 1460.6 | 1457.4 | 1457.4 | 1461.4 | 1462.9 | 1462.1 | 1463.7 | 1459.8 | 1458.2 | 1451.9 |
| 22.5° | 1416.6 | 1415.8 | 1417.4 | 1421.3 | 1427.6 | 1436.2 | 1437.0 | 1437.0 | 1437.0 | 1436.2 | 1428.4 |
| 25°   | 1398.5 | 1398.5 | 1400.1 | 1405.6 | 1410.3 | 1416.6 | 1418.2 | 1419.7 | 1418.2 | 1418.2 | 1411.1 |
| 27.5° | 1378.1 | 1376.5 | 1379.7 | 1385.2 | 1390.7 | 1395.4 | 1399.3 | 1400.1 | 1397.7 | 1397.7 | 1400.1 |
| 30°   | 1352.9 | 1352.2 | 1356.1 | 1361.6 | 1366.3 | 1371.0 | 1374.9 | 1378.1 | 1374.9 | 1374.9 | 1372.6 |
| 32.5° | 1327.0 | 1327.0 | 1328.6 | 1295.6 | 1201.3 | 1081.9 | 1084.2 | 1015.1 | 967.2  | 906.7  | 986.8  |
| 35°   | 828.1  | 602.6  | 517.8  | 438.4  | 382.6  | 346.5  | 345.7  | 333.9  | 328.4  | 324.5  | 323.7  |
| 37.5° | 312.7  | 314.3  | 317.4  | 319.0  | 321.3  | 322.9  | 323.7  | 323.7  | 323.7  | 323.7  | 322.9  |
| 40°   | 311.9  | 315.1  | 317.4  | 319.8  | 322.1  | 323.7  | 323.7  | 324.5  | 325.3  | 325.3  | 325.3  |
| 42.5° | 312.7  | 315.8  | 319.0  | 321.3  | 322.9  | 323.7  | 324.5  | 325.3  | 325.3  | 325.3  | 325.3  |
| 45°   | 311.9  | 313.5  | 313.5  | 314.3  | 314.3  | 314.3  | 315.1  | 315.1  | 314.3  | 313.5  | 315.1  |
| 47.5° | 300.1  | 300.1  | 297.8  | 297.0  | 296.2  | 294.6  | 295.4  | 294.6  | 293.8  | 293.1  | 294.6  |
| 50°   | 279.7  | 276.6  | 275.0  | 273.4  | 272.6  | 271.1  | 271.8  | 271.1  | 270.3  | 268.7  | 271.1  |
| 52.5° | 255.3  | 254.6  | 251.4  | 249.8  | 249.1  | 249.8  | 248.3  | 247.5  | 246.7  | 245.9  | 246.7  |
| 55°   | 231.8  | 228.6  | 227.8  | 226.3  | 225.5  | 226.3  | 225.5  | 224.7  | 223.9  | 223.1  | 223.9  |
| 57.5° | 210.6  | 208.2  | 207.4  | 205.8  | 205.8  | 205.8  | 205.8  | 205.1  | 204.3  | 203.5  | 204.3  |
| 60°   | 190.1  | 188.6  | 187.8  | 187.8  | 187.0  | 187.0  | 187.0  | 186.2  | 185.4  | 185.4  | 186.2  |
| 62.5° | 172.8  | 172.8  | 170.5  | 169.7  | 169.7  | 170.5  | 169.7  | 168.9  | 168.1  | 167.3  | 168.9  |
| 65°   | 154.8  | 151.6  | 150.9  | 149.3  | 147.7  | 148.5  | 147.7  | 146.9  | 146.1  | 145.4  | 146.9  |
| 67.5° | 132.8  | 132.0  | 128.9  | 127.3  | 126.5  | 127.3  | 126.5  | 125.7  | 124.9  | 124.1  | 125.7  |
| 70°   | 111.6  | 111.6  | 108.4  | 107.6  | 106.9  | 106.9  | 106.1  | 106.1  | 105.3  | 104.5  | 106.1  |
| 72.5° | 92.7   | 92.7   | 91.9   | 90.4   | 89.6   | 88.8   | 88.0   | 87.2   | 87.2   | 88.0   | 88.0   |
| 75°   | 77.0   | 75.4   | 72.3   | 73.1   | 72.3   | 71.5   | 71.5   | 70.7   | 69.9   | 71.5   | 70.7   |
| 77.5° | 60.5   | 59.7   | 57.4   | 58.1   | 57.4   | 56.6   | 56.6   | 55.8   | 55.0   | 55.8   | 55.8   |
| 80°   | 45.6   | 45.6   | 44.8   | 44.0   | 44.0   | 43.2   | 42.4   | 42.4   | 41.6   | 42.4   | 42.4   |
| 82.5° | 33.0   | 33.0   | 32.2   | 31.4   | 30.6   | 30.6   | 29.9   | 29.9   | 29.9   | 29.9   | 29.9   |
| 85°   | 21.2   | 20.4   | 20.4   | 18.9   | 18.9   | 18.9   | 18.1   | 18.1   | 18.1   | 18.1   | 18.1   |
| 87.5° | 10.2   | 10.2   | 9.4    | 9.4    | 8.6    | 7.9    | 7.9    | 7.1    | 7.1    | 7.9    | 7.9    |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 277.5° | 280°   | 282.5° | 285°   | 287.5° | 290°   | 292.5° | 295°   | 297.5° | 300°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1774.1 | 1784.3 | 1775.6 | 1779.6 | 1780.3 | 1793.7 | 1792.9 | 1796.1 | 1790.6 | 1784.3 | 1775.6 |
| 5°    | 1864.4 | 1859.7 | 1853.4 | 1868.3 | 1860.5 | 1869.9 | 1873.1 | 1879.3 | 1879.3 | 1878.6 | 1871.5 |
| 7.5°  | 1748.9 | 1738.7 | 1746.6 | 1752.1 | 1754.4 | 1748.1 | 1760.7 | 1774.8 | 1786.6 | 1793.7 | 1794.5 |
| 10°   | 1658.6 | 1661.7 | 1660.9 | 1663.3 | 1668.8 | 1668.0 | 1675.9 | 1683.7 | 1686.9 | 1691.6 | 1693.1 |
| 12.5° | 1616.1 | 1615.4 | 1616.9 | 1622.4 | 1625.6 | 1624.8 | 1632.6 | 1637.4 | 1638.9 | 1639.7 | 1638.9 |
| 15°   | 1582.4 | 1576.9 | 1580.8 | 1581.6 | 1583.9 | 1583.9 | 1593.4 | 1600.4 | 1603.6 | 1605.1 | 1603.6 |
| 17.5° | 1518.7 | 1505.4 | 1517.9 | 1517.9 | 1526.6 | 1525.0 | 1539.9 | 1551.7 | 1558.0 | 1562.7 | 1562.7 |
| 20°   | 1455.9 | 1449.6 | 1454.3 | 1452.7 | 1459.0 | 1458.2 | 1467.6 | 1475.5 | 1481.0 | 1484.9 | 1489.6 |
| 22.5° | 1430.7 | 1432.3 | 1425.2 | 1426.0 | 1426.0 | 1425.2 | 1429.9 | 1433.9 | 1435.4 | 1437.8 | 1436.2 |
| 25°   | 1414.2 | 1415.8 | 1413.4 | 1409.5 | 1407.9 | 1409.5 | 1411.9 | 1416.6 | 1417.4 | 1415.8 | 1410.3 |
| 27.5° | 1397.7 | 1393.0 | 1396.9 | 1389.9 | 1388.3 | 1391.4 | 1394.6 | 1395.4 | 1396.2 | 1396.2 | 1391.4 |
| 30°   | 1372.6 | 1368.7 | 1372.6 | 1369.4 | 1366.3 | 1369.4 | 1371.8 | 1371.8 | 1373.4 | 1374.2 | 1368.7 |
| 32.5° | 959.3  | 967.2  | 1094.5 | 1171.4 | 1279.9 | 1334.9 | 1345.1 | 1345.1 | 1346.7 | 1346.7 | 1341.9 |
| 35°   | 326.8  | 327.6  | 354.3  | 384.2  | 447.8  | 526.4  | 629.3  | 682.8  | 863.5  | 1079.5 | 1288.5 |
| 37.5° | 322.9  | 322.1  | 321.3  | 320.6  | 319.8  | 319.0  | 317.4  | 316.6  | 321.3  | 381.1  | 517.0  |
| 40°   | 324.5  | 323.7  | 322.1  | 321.3  | 320.6  | 319.0  | 318.2  | 316.6  | 315.1  | 313.5  | 311.9  |
| 42.5° | 324.5  | 323.7  | 322.9  | 322.1  | 321.3  | 320.6  | 319.0  | 317.4  | 315.8  | 313.5  | 311.1  |
| 45°   | 313.5  | 313.5  | 314.3  | 314.3  | 315.1  | 315.1  | 315.1  | 314.3  | 314.3  | 313.5  | 310.3  |
| 47.5° | 293.1  | 293.1  | 295.4  | 295.4  | 297.0  | 298.6  | 298.6  | 300.1  | 302.5  | 304.1  | 304.8  |
| 50°   | 269.5  | 269.5  | 271.8  | 272.6  | 274.2  | 276.6  | 278.9  | 279.7  | 282.1  | 285.2  | 288.3  |
| 52.5° | 245.9  | 245.9  | 248.3  | 248.3  | 249.8  | 252.2  | 254.6  | 255.3  | 258.5  | 261.6  | 265.6  |
| 55°   | 223.9  | 223.9  | 225.5  | 226.3  | 227.1  | 228.6  | 231.0  | 231.0  | 234.1  | 236.5  | 240.4  |
| 57.5° | 204.3  | 205.8  | 205.8  | 205.8  | 206.6  | 208.2  | 209.8  | 209.8  | 212.1  | 214.5  | 217.6  |
| 60°   | 185.4  | 187.0  | 187.0  | 187.0  | 187.8  | 188.6  | 190.1  | 190.1  | 191.7  | 193.3  | 196.4  |
| 62.5° | 168.1  | 169.7  | 169.7  | 170.5  | 170.5  | 171.3  | 172.8  | 172.1  | 173.6  | 174.4  | 176.8  |
| 65°   | 146.1  | 147.7  | 148.5  | 149.3  | 150.1  | 151.6  | 154.0  | 153.2  | 155.6  | 157.1  | 159.5  |
| 67.5° | 124.9  | 126.5  | 126.5  | 127.3  | 128.1  | 129.6  | 131.2  | 131.2  | 133.6  | 135.1  | 138.3  |
| 70°   | 105.3  | 106.9  | 106.9  | 107.6  | 108.4  | 110.0  | 111.6  | 110.8  | 113.1  | 114.7  | 117.1  |
| 72.5° | 87.2   | 88.8   | 88.8   | 89.6   | 89.6   | 91.1   | 92.7   | 94.3   | 94.3   | 95.9   | 97.4   |
| 75°   | 70.7   | 71.5   | 72.3   | 72.3   | 73.1   | 73.9   | 75.4   | 77.0   | 77.8   | 78.6   | 80.1   |
| 77.5° | 55.8   | 56.6   | 57.4   | 57.4   | 58.1   | 58.9   | 59.7   | 62.9   | 64.4   | 65.2   | 65.2   |
| 80°   | 42.4   | 43.2   | 43.2   | 43.2   | 44.0   | 44.8   | 46.4   | 46.4   | 49.5   | 49.5   | 50.3   |
| 82.5° | 29.9   | 30.6   | 30.6   | 30.6   | 31.4   | 33.0   | 33.8   | 34.6   | 36.1   | 36.9   | 36.9   |
| 85°   | 18.1   | 18.9   | 18.9   | 18.9   | 19.6   | 20.4   | 22.0   | 22.8   | 23.6   | 23.6   | 24.4   |
| 87.5° | 7.1    | 7.9    | 8.6    | 8.6    | 9.4    | 10.2   | 11.0   | 11.8   | 12.6   | 12.6   | 13.4   |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 302.5° | 305°   | 307.5° | 310°   | 312.5° | 315°   | 317.5° | 320°   | 322.5° | 325°   | 327.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1766.2 | 1771.7 | 1766.2 | 1769.3 | 1773.3 | 1766.2 | 1749.7 | 1743.4 | 1741.1 | 1731.6 | 1725.4 |
| 5°    | 1864.4 | 1864.4 | 1862.1 | 1868.3 | 1867.6 | 1856.6 | 1839.3 | 1831.4 | 1823.6 | 1813.3 | 1805.5 |
| 7.5°  | 1794.5 | 1800.8 | 1804.7 | 1829.1 | 1844.8 | 1846.3 | 1857.3 | 1859.7 | 1862.8 | 1859.7 | 1855.0 |
| 10°   | 1693.9 | 1691.6 | 1702.6 | 1725.4 | 1738.7 | 1745.8 | 1767.0 | 1777.2 | 1785.8 | 1803.1 | 1821.2 |
| 12.5° | 1637.4 | 1640.5 | 1645.2 | 1661.7 | 1674.3 | 1671.1 | 1679.8 | 1686.9 | 1697.1 | 1714.4 | 1740.3 |
| 15°   | 1599.6 | 1602.8 | 1607.5 | 1620.1 | 1627.9 | 1624.0 | 1628.7 | 1633.4 | 1640.5 | 1649.1 | 1664.9 |
| 17.5° | 1558.8 | 1564.3 | 1569.8 | 1583.1 | 1590.2 | 1589.4 | 1593.4 | 1594.9 | 1597.3 | 1602.8 | 1613.8 |
| 20°   | 1495.1 | 1512.4 | 1523.4 | 1541.5 | 1551.7 | 1550.1 | 1557.2 | 1559.6 | 1562.7 | 1568.2 | 1572.9 |
| 22.5° | 1437.0 | 1441.7 | 1447.2 | 1466.9 | 1484.1 | 1505.4 | 1510.1 | 1516.4 | 1524.2 | 1529.7 | 1534.4 |
| 25°   | 1404.0 | 1400.9 | 1403.2 | 1416.6 | 1426.0 | 1427.6 | 1434.7 | 1455.1 | 1476.3 | 1485.7 | 1496.7 |
| 27.5° | 1384.4 | 1381.2 | 1380.4 | 1386.7 | 1388.3 | 1384.4 | 1382.8 | 1389.1 | 1404.8 | 1420.5 | 1453.5 |
| 30°   | 1363.2 | 1359.2 | 1356.1 | 1361.6 | 1363.9 | 1358.4 | 1348.2 | 1342.7 | 1352.2 | 1356.1 | 1369.4 |
| 32.5° | 1338.0 | 1334.1 | 1332.5 | 1335.7 | 1337.2 | 1332.5 | 1321.5 | 1315.2 | 1313.7 | 1310.5 | 1313.7 |
| 35°   | 1309.7 | 1305.8 | 1303.4 | 1304.2 | 1307.4 | 1303.4 | 1294.0 | 1286.2 | 1282.2 | 1273.6 | 1267.3 |
| 37.5° | 674.9  | 956.2  | 1241.4 | 1271.2 | 1274.4 | 1273.6 | 1264.2 | 1255.5 | 1251.6 | 1241.4 | 1238.2 |
| 40°   | 308.8  | 344.9  | 517.8  | 676.5  | 975.8  | 1239.8 | 1231.2 | 1222.5 | 1215.4 | 1212.3 | 1200.5 |
| 42.5° | 308.0  | 308.8  | 309.6  | 305.6  | 378.7  | 645.0  | 952.2  | 1188.7 | 1184.0 | 1176.2 | 1167.5 |
| 45°   | 308.0  | 304.1  | 307.2  | 302.5  | 304.1  | 303.3  | 377.9  | 609.7  | 1085.0 | 1133.7 | 1129.8 |
| 47.5° | 304.8  | 302.5  | 305.6  | 301.7  | 297.0  | 299.3  | 296.2  | 300.1  | 468.3  | 794.3  | 1088.2 |
| 50°   | 290.7  | 292.3  | 297.8  | 297.0  | 293.1  | 296.2  | 290.7  | 295.4  | 291.5  | 319.8  | 616.0  |
| 52.5° | 269.5  | 272.6  | 278.1  | 282.8  | 284.4  | 288.3  | 286.8  | 288.3  | 285.2  | 286.0  | 286.8  |
| 55°   | 244.3  | 248.3  | 253.0  | 260.1  | 263.2  | 269.5  | 274.2  | 276.6  | 280.5  | 279.7  | 273.4  |
| 57.5° | 220.8  | 224.7  | 228.6  | 235.7  | 242.8  | 245.9  | 254.6  | 259.3  | 269.5  | 267.1  | 265.6  |
| 60°   | 198.8  | 201.9  | 205.8  | 207.4  | 216.1  | 221.6  | 229.4  | 234.1  | 247.5  | 250.6  | 255.3  |
| 62.5° | 179.1  | 180.7  | 183.8  | 186.2  | 191.7  | 197.2  | 201.1  | 209.0  | 216.1  | 226.3  | 233.3  |
| 65°   | 161.1  | 162.6  | 165.0  | 166.6  | 167.3  | 175.2  | 177.6  | 186.2  | 188.6  | 199.6  | 205.8  |
| 67.5° | 140.6  | 143.8  | 146.9  | 148.5  | 150.1  | 154.8  | 156.4  | 160.3  | 165.8  | 170.5  | 178.3  |
| 70°   | 119.4  | 121.8  | 124.9  | 127.3  | 130.4  | 133.6  | 138.3  | 140.6  | 144.6  | 147.7  | 154.0  |
| 72.5° | 99.8   | 102.1  | 103.7  | 106.1  | 108.4  | 110.8  | 114.7  | 120.2  | 123.4  | 128.9  | 130.4  |
| 75°   | 80.9   | 83.3   | 84.9   | 86.4   | 88.8   | 90.4   | 91.9   | 97.4   | 100.6  | 105.3  | 110.0  |
| 77.5° | 66.8   | 66.8   | 68.4   | 73.1   | 72.3   | 72.3   | 73.9   | 77.0   | 79.4   | 82.5   | 87.2   |
| 80°   | 51.9   | 52.6   | 53.4   | 57.4   | 58.1   | 58.9   | 58.1   | 60.5   | 62.9   | 63.6   | 66.8   |
| 82.5° | 38.5   | 39.3   | 39.3   | 41.6   | 44.0   | 44.0   | 44.0   | 44.8   | 47.1   | 47.9   | 49.5   |
| 85°   | 25.9   | 26.7   | 27.5   | 28.3   | 29.9   | 30.6   | 31.4   | 31.4   | 33.0   | 33.8   | 34.6   |
| 87.5° | 14.1   | 15.7   | 16.5   | 17.3   | 18.1   | 18.9   | 19.6   | 20.4   | 21.2   | 22.0   | 22.8   |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 332.5° | 335°   | 337.5° | 340°   | 342.5° | 345°   | 347.5° | 350°   | 352.5° | 355°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 | 1714.4 |
| 2.5°  | 1723.0 | 1719.1 | 1716.7 | 1710.4 | 1708.9 | 1698.6 | 1700.2 | 1698.6 | 1698.6 | 1701.0 | 1708.9 |
| 5°    | 1796.8 | 1778.0 | 1773.3 | 1759.9 | 1748.9 | 1730.1 | 1718.3 | 1712.0 | 1702.6 | 1698.6 | 1704.1 |
| 7.5°  | 1847.1 | 1833.0 | 1821.2 | 1809.4 | 1793.7 | 1771.7 | 1755.2 | 1736.4 | 1720.6 | 1705.7 | 1701.8 |
| 10°   | 1838.5 | 1854.2 | 1854.2 | 1847.1 | 1832.2 | 1810.2 | 1790.6 | 1767.0 | 1739.5 | 1715.9 | 1701.8 |
| 12.5° | 1765.4 | 1792.9 | 1814.9 | 1831.4 | 1846.3 | 1831.4 | 1811.8 | 1792.9 | 1762.3 | 1727.7 | 1701.8 |
| 15°   | 1685.3 | 1713.6 | 1741.1 | 1775.6 | 1811.8 | 1826.7 | 1825.9 | 1803.9 | 1776.4 | 1740.3 | 1704.1 |
| 17.5° | 1628.7 | 1648.4 | 1663.3 | 1701.0 | 1745.0 | 1783.5 | 1809.4 | 1811.0 | 1784.3 | 1752.1 | 1704.9 |
| 20°   | 1586.3 | 1600.4 | 1613.0 | 1634.2 | 1672.7 | 1719.9 | 1767.8 | 1794.5 | 1789.8 | 1754.4 | 1707.3 |
| 22.5° | 1547.8 | 1558.0 | 1568.2 | 1583.9 | 1614.6 | 1645.2 | 1701.0 | 1756.0 | 1779.6 | 1750.5 | 1704.9 |
| 25°   | 1509.3 | 1520.3 | 1528.1 | 1539.1 | 1563.5 | 1588.6 | 1627.9 | 1696.3 | 1748.9 | 1747.4 | 1700.2 |
| 27.5° | 1463.7 | 1478.6 | 1488.1 | 1503.0 | 1519.5 | 1538.4 | 1565.1 | 1629.5 | 1704.9 | 1731.6 | 1687.6 |
| 30°   | 1408.7 | 1430.7 | 1444.9 | 1461.4 | 1475.5 | 1492.0 | 1513.2 | 1552.5 | 1646.0 | 1701.0 | 1674.3 |
| 32.5° | 1329.4 | 1368.7 | 1400.1 | 1415.8 | 1431.5 | 1445.6 | 1464.5 | 1497.5 | 1573.7 | 1659.4 | 1659.4 |
| 35°   | 1272.8 | 1290.9 | 1319.2 | 1364.7 | 1384.4 | 1398.5 | 1415.8 | 1441.7 | 1490.4 | 1609.9 | 1635.0 |
| 37.5° | 1228.8 | 1235.9 | 1250.0 | 1294.8 | 1331.7 | 1354.5 | 1371.8 | 1388.3 | 1436.2 | 1542.3 | 1603.6 |
| 40°   | 1195.8 | 1193.4 | 1191.9 | 1213.1 | 1265.7 | 1301.9 | 1321.5 | 1338.0 | 1374.9 | 1461.4 | 1561.9 |
| 42.5° | 1157.3 | 1154.9 | 1147.1 | 1152.6 | 1178.5 | 1239.0 | 1268.9 | 1286.9 | 1317.6 | 1376.5 | 1516.4 |
| 45°   | 1117.2 | 1113.3 | 1110.2 | 1104.7 | 1114.1 | 1147.9 | 1209.2 | 1235.9 | 1253.2 | 1305.8 | 1459.0 |
| 47.5° | 1076.4 | 1070.9 | 1067.0 | 1062.2 | 1056.7 | 1072.5 | 1130.6 | 1178.5 | 1208.4 | 1241.4 | 1389.9 |
| 50°   | 1018.2 | 1025.3 | 1020.6 | 1015.1 | 1010.4 | 1007.2 | 1031.6 | 1110.2 | 1147.1 | 1173.8 | 1305.8 |
| 52.5° | 480.0  | 933.4  | 972.7  | 967.2  | 960.9  | 955.4  | 960.9  | 1020.6 | 1087.4 | 1108.6 | 1204.4 |
| 55°   | 273.4  | 415.6  | 865.0  | 914.5  | 909.0  | 901.2  | 896.5  | 916.9  | 1016.7 | 1045.0 | 1111.7 |
| 57.5° | 263.2  | 264.0  | 381.8  | 824.2  | 854.8  | 847.7  | 842.2  | 847.0  | 931.8  | 979.7  | 1030.8 |
| 60°   | 254.6  | 254.6  | 254.6  | 364.6  | 788.0  | 790.4  | 783.3  | 775.5  | 812.4  | 906.7  | 949.1  |
| 62.5° | 235.7  | 240.4  | 242.8  | 242.8  | 359.8  | 729.9  | 722.8  | 720.5  | 722.0  | 818.7  | 867.4  |
| 65°   | 211.3  | 222.3  | 227.1  | 230.2  | 230.2  | 377.9  | 660.8  | 656.8  | 651.3  | 688.3  | 784.9  |
| 67.5° | 184.6  | 195.6  | 205.8  | 212.1  | 212.9  | 220.0  | 394.4  | 591.6  | 583.8  | 584.5  | 696.9  |
| 70°   | 157.1  | 166.6  | 177.6  | 187.0  | 195.6  | 199.6  | 205.8  | 491.0  | 517.0  | 506.0  | 597.1  |
| 72.5° | 135.9  | 139.9  | 147.7  | 157.1  | 167.3  | 176.8  | 182.3  | 195.6  | 448.6  | 436.8  | 454.1  |
| 75°   | 113.1  | 116.3  | 121.8  | 128.1  | 135.9  | 146.9  | 156.4  | 165.8  | 238.1  | 366.1  | 363.8  |
| 77.5° | 88.0   | 93.5   | 99.8   | 103.7  | 107.6  | 115.5  | 128.1  | 137.5  | 146.9  | 247.5  | 291.5  |
| 80°   | 67.6   | 71.5   | 74.6   | 78.6   | 83.3   | 88.8   | 93.5   | 104.5  | 115.5  | 124.1  | 223.1  |
| 82.5° | 50.3   | 52.6   | 55.0   | 56.6   | 58.1   | 61.3   | 69.9   | 73.9   | 80.9   | 88.8   | 105.3  |
| 85°   | 35.4   | 36.9   | 38.5   | 39.3   | 40.1   | 40.9   | 44.0   | 44.8   | 51.9   | 53.4   | 63.6   |
| 87.5° | 22.8   | 23.6   | 25.1   | 25.9   | 25.9   | 26.7   | 27.5   | 27.5   | 27.5   | 25.9   | 31.4   |
| 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: P1213703

CATALOG NUMBER: 2SNLED-LD5-40HL-RW-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 357.5° | 360°   |
|-------|--------|--------|
| 0°    | 1714.4 | 1714.4 |
| 2.5°  | 1715.1 | 1727.7 |
| 5°    | 1712.8 | 1729.3 |
| 7.5°  | 1706.5 | 1722.2 |
| 10°   | 1697.1 | 1715.9 |
| 12.5° | 1686.9 | 1704.9 |
| 15°   | 1678.2 | 1691.6 |
| 17.5° | 1668.8 | 1676.6 |
| 20°   | 1656.2 | 1662.5 |
| 22.5° | 1643.6 | 1640.5 |
| 25°   | 1629.5 | 1622.4 |
| 27.5° | 1611.4 | 1598.1 |
| 30°   | 1594.9 | 1571.4 |
| 32.5° | 1579.2 | 1540.7 |
| 35°   | 1558.0 | 1509.3 |
| 37.5° | 1536.0 | 1477.1 |
| 40°   | 1510.1 | 1440.1 |
| 42.5° | 1482.6 | 1403.2 |
| 45°   | 1448.0 | 1367.9 |
| 47.5° | 1417.4 | 1325.4 |
| 50°   | 1374.9 | 1279.9 |
| 52.5° | 1323.1 | 1237.4 |
| 55°   | 1261.8 | 1185.6 |
| 57.5° | 1195.8 | 1131.4 |
| 60°   | 1125.1 | 1069.3 |
| 62.5° | 1039.5 | 1004.9 |
| 65°   | 938.9  | 931.0  |
| 67.5° | 807.7  | 849.3  |
| 70°   | 662.3  | 755.8  |
| 72.5° | 553.9  | 656.8  |
| 75°   | 454.1  | 546.0  |
| 77.5° | 359.8  | 428.2  |
| 80°   | 224.7  | 313.5  |
| 82.5° | 150.9  | 205.8  |
| 85°   | 91.1   | 98.2   |
| 87.5° | 35.4   | 36.1   |
| 90°   | 0.0    | 0.0    |

(END OF REPORT)