

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: P1213130

Luminaire Tested: 4SNLED-LD5-57HL-RW-UNV-L930-CD1-U

Issue Date: 3/29/2018

**Test Information**

Test Method: LM-79-2019  
Report Number: P1213130  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)  
Test Lab: INNOVATIONS CENTER-P3  
Issue Date: 3/29/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-57HL-RW-UNV-L930-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
WHITE REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

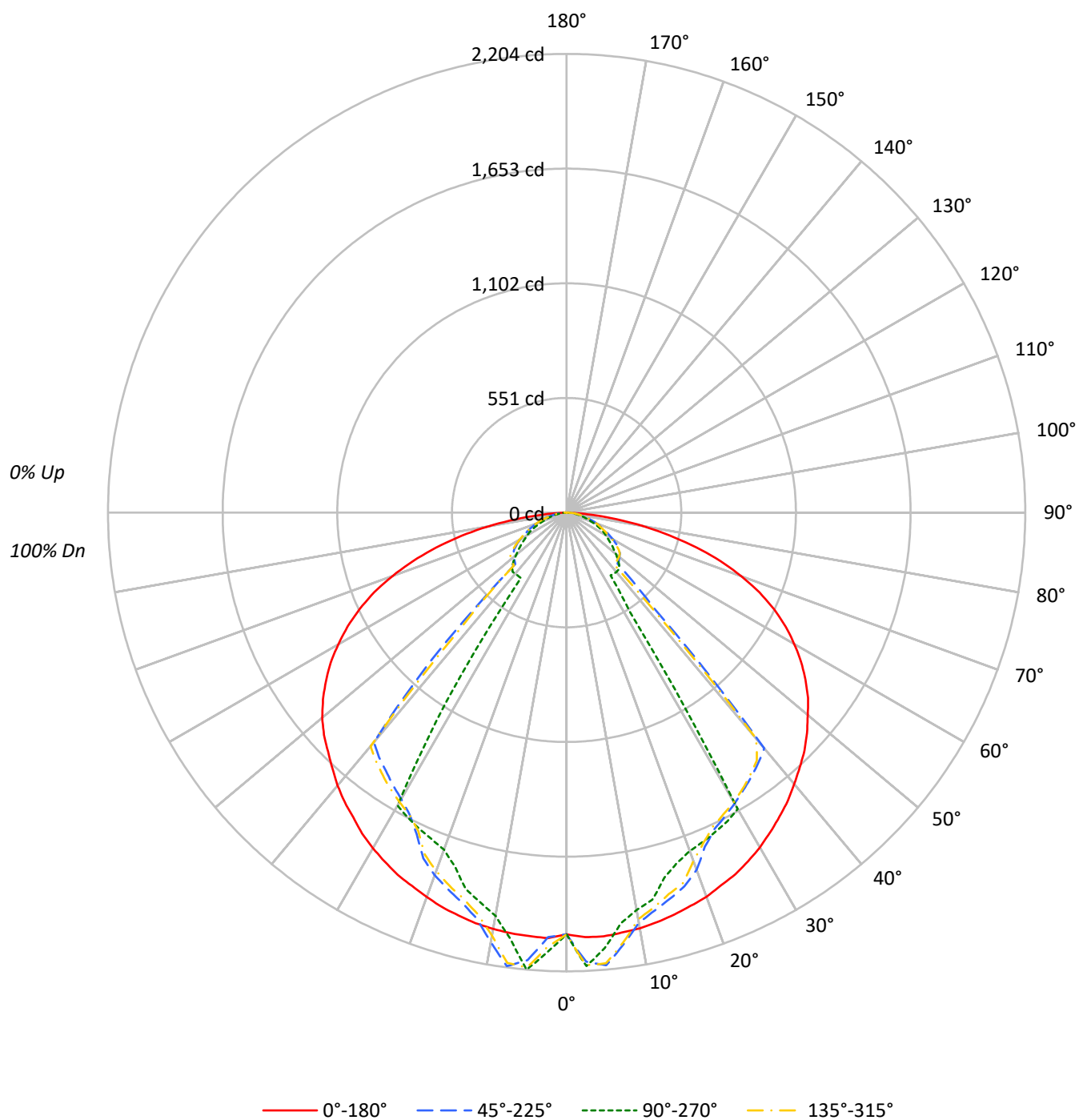
Lumens per Lamp: N/A  
Luminaire Lumens: 4057.0 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 43  
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

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CATALOG NUMBER: 4SNLED-LD5-57HL-RW-UNV-L930-CD1-U

### Luminous Intensity Polar Plot



TEST NUMBER: P1213130

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

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

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 16372 | 16372 | 16372 | 16372 |
| 5°  | 16532 | 16495 | 16525 | 17312 |
| 10° | 16548 | 14914 | 16571 | 15142 |
| 15° | 16585 | 13798 | 16624 | 14236 |
| 20° | 16706 | 13088 | 16706 | 13038 |
| 25° | 16850 | 12837 | 16875 | 12717 |
| 30° | 17021 | 12611 | 17063 | 12461 |
| 35° | 17219 | 2872  | 17254 | 2996  |
| 40° | 17495 | 2987  | 17599 | 3084  |
| 45° | 17914 | 2971  | 17976 | 3079  |
| 50° | 18332 | 2686  | 18579 | 2758  |
| 55° | 18897 | 2385  | 19046 | 2419  |
| 60° | 19375 | 2118  | 19418 | 2146  |
| 65° | 19718 | 1850  | 19668 | 1820  |
| 70° | 19435 | 1490  | 19374 | 1436  |
| 75° | 18044 | 1147  | 18172 | 1099  |
| 80° | 14646 | 815   | 15231 | 745   |
| 85° | 7932  | 489   | 8376  | 375   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 357.5°

Vertical Angle: 60°

Luminance: 19852 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 199.3  | 4.9       |
| 10°-20°   | 548.1  | 13.5      |
| 20°-30°   | 811.8  | 20.0      |
| 30°-40°   | 817.9  | 20.2      |
| 40°-50°   | 638.9  | 15.7      |
| 50°-60°   | 493.5  | 12.2      |
| 60°-70°   | 331.4  | 8.2       |
| 70°-80°   | 169.0  | 4.2       |
| 80°-90°   | 47.0   | 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°    | 1559.2 | 38.4      |
| 0°-40°    | 2377.1 | 58.6      |
| 0°-60°    | 3509.6 | 86.5      |
| 0°-90°    | 4057.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4057.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2026 | 2026 | 2026 | 2026 | 2026 |      |
| 5°  | 2044 | 2100 | 2043 | 2204 | 2044 | 194  |
| 15° | 1999 | 1815 | 2004 | 1873 | 1999 | 565  |
| 25° | 1917 | 1692 | 1920 | 1676 | 1917 | 884  |
| 35° | 1784 | 368  | 1787 | 384  | 1784 | 1118 |
| 45° | 1616 | 358  | 1622 | 370  | 1616 | 1247 |
| 55° | 1401 | 260  | 1412 | 264  | 1401 | 1251 |
| 65° | 1100 | 175  | 1098 | 172  | 1100 | 1082 |
| 75° | 645  | 88   | 650  | 84   | 645  | 675  |
| 85° | 116  | 28   | 123  | 21   | 116  | 160  |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5°  | 25°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2041.7 | 2049.2 | 2054.7 | 2058.5 | 2060.3 | 2060.3 | 2061.2 | 2062.2 | 2074.2 | 2079.8 | 2083.5 |
| 5°    | 2043.6 | 2051.0 | 2062.2 | 2077.0 | 2090.0 | 2101.2 | 2110.5 | 2123.5 | 2136.5 | 2150.4 | 2155.0 |
| 7.5°  | 2035.2 | 2044.5 | 2066.8 | 2093.7 | 2118.8 | 2136.5 | 2148.5 | 2156.9 | 2163.4 | 2164.3 | 2168.9 |
| 10°   | 2027.8 | 2044.5 | 2075.2 | 2110.5 | 2142.0 | 2163.4 | 2163.4 | 2158.7 | 2165.2 | 2140.2 | 2115.1 |
| 12.5° | 2014.8 | 2033.4 | 2075.2 | 2121.6 | 2151.3 | 2159.7 | 2155.9 | 2137.4 | 2099.3 | 2068.7 | 2054.7 |
| 15°   | 1999.0 | 2024.1 | 2076.1 | 2128.1 | 2153.2 | 2155.9 | 2120.7 | 2073.3 | 2044.5 | 2026.0 | 2002.7 |
| 17.5° | 1981.4 | 2014.8 | 2077.0 | 2129.0 | 2138.3 | 2125.3 | 2058.5 | 2028.7 | 1999.0 | 1955.4 | 1923.8 |
| 20°   | 1964.7 | 1997.2 | 2069.6 | 2116.0 | 2121.6 | 2063.1 | 2011.1 | 1979.5 | 1929.4 | 1891.3 | 1877.4 |
| 22.5° | 1938.7 | 1976.8 | 2063.1 | 2098.4 | 2077.0 | 2009.2 | 1959.1 | 1909.0 | 1863.5 | 1852.3 | 1835.6 |
| 25°   | 1917.3 | 1957.3 | 2048.2 | 2077.0 | 2020.4 | 1960.0 | 1901.5 | 1843.0 | 1821.7 | 1805.9 | 1791.1 |
| 27.5° | 1888.5 | 1937.8 | 2028.7 | 2038.0 | 1960.0 | 1907.1 | 1821.7 | 1795.7 | 1776.2 | 1758.6 | 1752.1 |
| 30°   | 1857.0 | 1917.3 | 2001.8 | 1984.2 | 1909.9 | 1831.9 | 1768.8 | 1744.6 | 1730.7 | 1712.1 | 1704.7 |
| 32.5° | 1820.8 | 1886.7 | 1972.1 | 1922.0 | 1856.0 | 1758.6 | 1717.7 | 1699.1 | 1680.6 | 1666.6 | 1620.2 |
| 35°   | 1783.6 | 1859.8 | 1936.8 | 1862.5 | 1791.1 | 1702.8 | 1666.6 | 1649.9 | 1632.3 | 1581.2 | 1532.9 |
| 37.5° | 1745.6 | 1830.1 | 1894.1 | 1798.5 | 1704.7 | 1645.3 | 1614.6 | 1596.1 | 1556.1 | 1491.2 | 1467.0 |
| 40°   | 1701.9 | 1793.8 | 1839.3 | 1732.6 | 1629.5 | 1586.8 | 1558.0 | 1539.4 | 1449.4 | 1420.6 | 1413.2 |
| 42.5° | 1658.3 | 1758.6 | 1772.5 | 1668.5 | 1567.3 | 1524.6 | 1500.4 | 1439.2 | 1377.9 | 1363.0 | 1365.8 |
| 45°   | 1616.5 | 1720.5 | 1699.1 | 1577.5 | 1502.3 | 1467.0 | 1426.2 | 1341.7 | 1309.2 | 1316.6 | 1318.5 |
| 47.5° | 1566.4 | 1675.0 | 1622.1 | 1486.5 | 1435.4 | 1400.2 | 1309.2 | 1258.1 | 1253.5 | 1263.7 | 1269.2 |
| 50°   | 1512.5 | 1623.9 | 1540.4 | 1403.9 | 1363.0 | 1321.2 | 1218.2 | 1192.2 | 1197.7 | 1208.0 | 1214.5 |
| 52.5° | 1462.4 | 1566.4 | 1455.9 | 1326.8 | 1291.5 | 1195.9 | 1126.3 | 1130.9 | 1140.2 | 1152.3 | 1156.0 |
| 55°   | 1401.1 | 1496.7 | 1365.8 | 1248.8 | 1215.4 | 1090.0 | 1058.5 | 1069.6 | 1078.9 | 1089.1 | 1096.5 |
| 57.5° | 1337.0 | 1416.9 | 1259.0 | 1161.5 | 1107.7 | 996.3  | 999.1  | 1006.5 | 1013.0 | 1025.1 | 423.4  |
| 60°   | 1263.7 | 1325.9 | 1142.0 | 1080.8 | 974.0  | 922.0  | 924.8  | 937.8  | 944.3  | 527.4  | 291.5  |
| 62.5° | 1187.5 | 1220.0 | 1036.2 | 988.8  | 851.4  | 847.7  | 860.7  | 866.3  | 589.6  | 278.5  | 273.0  |
| 65°   | 1100.3 | 1093.8 | 932.2  | 857.0  | 767.9  | 771.6  | 785.5  | 757.6  | 260.9  | 260.9  | 259.0  |
| 67.5° | 1003.7 | 964.7  | 831.0  | 709.4  | 687.1  | 695.4  | 710.3  | 247.9  | 241.4  | 243.3  | 236.8  |
| 70°   | 893.2  | 838.4  | 726.1  | 600.7  | 608.2  | 616.5  | 239.5  | 224.7  | 221.9  | 217.3  | 204.3  |
| 72.5° | 776.2  | 701.0  | 594.2  | 521.8  | 526.5  | 330.5  | 209.8  | 202.4  | 193.1  | 183.8  | 169.9  |
| 75°   | 645.3  | 547.8  | 436.4  | 436.4  | 442.9  | 188.5  | 182.9  | 170.8  | 160.6  | 148.6  | 140.2  |
| 77.5° | 506.0  | 421.5  | 338.9  | 351.9  | 171.8  | 157.8  | 147.6  | 134.6  | 126.3  | 118.8  | 114.2  |
| 80°   | 370.5  | 294.3  | 255.3  | 228.4  | 133.7  | 119.8  | 109.6  | 102.1  | 98.4   | 93.8   | 88.2   |
| 82.5° | 243.3  | 177.3  | 177.3  | 107.7  | 93.8   | 82.6   | 79.8   | 74.3   | 70.6   | 67.8   | 65.0   |
| 85°   | 116.1  | 103.1  | 78.0   | 65.9   | 58.5   | 52.9   | 51.1   | 48.3   | 48.3   | 47.4   | 46.4   |
| 87.5° | 42.7   | 46.4   | 34.4   | 33.4   | 31.6   | 30.6   | 31.6   | 31.6   | 32.5   | 31.6   | 30.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 27.5°  | 30°    | 32.5°  | 35°    | 37.5°  | 40°    | 42.5°  | 45°    | 47.5°  | 50°    | 52.5°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2092.8 | 2100.2 | 2105.8 | 2115.1 | 2127.2 | 2137.4 | 2146.7 | 2159.7 | 2180.1 | 2185.7 | 2190.3 |
| 5°    | 2155.0 | 2157.8 | 2164.3 | 2171.7 | 2173.6 | 2178.2 | 2177.3 | 2182.9 | 2185.7 | 2192.2 | 2178.2 |
| 7.5°  | 2158.7 | 2143.9 | 2126.2 | 2110.5 | 2099.3 | 2089.1 | 2082.6 | 2092.8 | 2098.4 | 2103.0 | 2089.1 |
| 10°   | 2080.7 | 2063.1 | 2052.9 | 2043.6 | 2032.5 | 2016.7 | 1995.3 | 2000.0 | 1998.1 | 1998.1 | 1993.5 |
| 12.5° | 2031.5 | 2006.5 | 1980.5 | 1957.3 | 1947.0 | 1946.1 | 1947.0 | 1957.3 | 1957.3 | 1956.3 | 1950.8 |
| 15°   | 1954.5 | 1930.3 | 1917.3 | 1911.8 | 1911.8 | 1909.0 | 1909.0 | 1920.1 | 1917.3 | 1917.3 | 1914.5 |
| 17.5° | 1903.4 | 1886.7 | 1877.4 | 1870.9 | 1868.1 | 1872.8 | 1878.3 | 1883.0 | 1883.9 | 1880.2 | 1865.3 |
| 20°   | 1861.6 | 1845.8 | 1834.7 | 1836.5 | 1835.6 | 1838.4 | 1841.2 | 1825.4 | 1805.9 | 1779.9 | 1767.8 |
| 22.5° | 1818.0 | 1805.9 | 1797.6 | 1797.6 | 1786.4 | 1768.8 | 1742.8 | 1737.2 | 1734.4 | 1722.3 | 1712.1 |
| 25°   | 1776.2 | 1762.3 | 1750.2 | 1713.1 | 1689.8 | 1692.6 | 1688.0 | 1678.7 | 1677.8 | 1676.8 | 1680.6 |
| 27.5° | 1734.4 | 1698.2 | 1651.8 | 1646.2 | 1636.9 | 1636.0 | 1641.6 | 1646.2 | 1646.2 | 1649.9 | 1654.6 |
| 30°   | 1648.1 | 1606.3 | 1597.9 | 1587.7 | 1591.4 | 1604.4 | 1607.2 | 1613.7 | 1615.6 | 1622.1 | 1625.8 |
| 32.5° | 1569.1 | 1550.6 | 1543.1 | 1547.8 | 1559.9 | 1571.0 | 1577.5 | 1580.3 | 1584.9 | 1590.5 | 1595.1 |
| 35°   | 1505.1 | 1499.5 | 1506.0 | 1516.2 | 1528.3 | 1537.6 | 1543.1 | 1548.7 | 1553.4 | 1558.0 | 1561.7 |
| 37.5° | 1457.7 | 1461.4 | 1470.7 | 1483.7 | 1495.8 | 1503.2 | 1507.9 | 1514.4 | 1520.9 | 1526.4 | 1504.2 |
| 40°   | 1413.2 | 1422.4 | 1432.7 | 1446.6 | 1456.8 | 1464.2 | 1468.9 | 1477.2 | 1421.5 | 643.4  | 352.8  |
| 42.5° | 1374.2 | 1384.4 | 1391.8 | 1402.9 | 1414.1 | 1419.7 | 1378.8 | 615.6  | 348.2  | 346.3  | 351.0  |
| 45°   | 1326.8 | 1335.2 | 1347.2 | 1355.6 | 1365.8 | 896.9  | 342.6  | 346.3  | 340.8  | 344.5  | 346.3  |
| 47.5° | 1278.5 | 1291.5 | 1298.0 | 1238.6 | 368.6  | 340.8  | 337.0  | 340.8  | 337.0  | 341.7  | 338.9  |
| 50°   | 1223.7 | 1239.5 | 882.1  | 333.3  | 330.5  | 328.7  | 332.4  | 330.5  | 333.3  | 337.0  | 329.6  |
| 52.5° | 1168.0 | 723.3  | 323.1  | 321.3  | 323.1  | 321.3  | 327.8  | 323.1  | 324.0  | 320.3  | 311.0  |
| 55°   | 395.5  | 312.9  | 310.1  | 309.2  | 314.8  | 314.8  | 314.8  | 307.3  | 302.7  | 293.4  | 286.9  |
| 57.5° | 302.7  | 302.7  | 301.8  | 302.7  | 300.8  | 299.0  | 290.6  | 284.1  | 277.6  | 264.6  | 260.9  |
| 60°   | 286.9  | 286.9  | 286.9  | 286.9  | 278.5  | 274.8  | 261.8  | 256.3  | 245.1  | 238.6  | 234.9  |
| 62.5° | 273.9  | 272.0  | 263.7  | 260.9  | 251.6  | 241.4  | 234.0  | 228.4  | 217.3  | 213.6  | 210.8  |
| 65°   | 255.3  | 248.8  | 238.6  | 227.5  | 222.8  | 211.7  | 208.0  | 199.6  | 194.1  | 191.3  | 189.4  |
| 67.5° | 224.7  | 215.4  | 207.1  | 199.6  | 191.3  | 187.6  | 182.9  | 176.4  | 172.7  | 170.8  | 169.0  |
| 70°   | 192.2  | 185.7  | 177.3  | 172.7  | 167.1  | 164.3  | 157.8  | 156.0  | 153.2  | 150.4  | 147.6  |
| 72.5° | 160.6  | 156.9  | 153.2  | 146.7  | 144.8  | 143.0  | 136.5  | 132.8  | 129.1  | 125.3  | 123.5  |
| 75°   | 134.6  | 131.8  | 130.0  | 124.4  | 121.6  | 116.1  | 111.4  | 108.6  | 105.8  | 103.1  | 101.2  |
| 77.5° | 110.5  | 108.6  | 103.1  | 99.3   | 97.5   | 92.8   | 91.0   | 91.9   | 90.1   | 86.3   | 84.5   |
| 80°   | 86.3   | 84.5   | 79.8   | 79.8   | 78.0   | 76.1   | 74.3   | 72.4   | 70.6   | 67.8   | 65.9   |
| 82.5° | 65.9   | 64.1   | 62.2   | 60.4   | 58.5   | 57.6   | 56.6   | 54.8   | 52.9   | 51.1   | 50.1   |
| 85°   | 46.4   | 45.5   | 44.6   | 43.6   | 42.7   | 41.8   | 40.9   | 39.0   | 37.1   | 36.2   | 35.3   |
| 87.5° | 31.6   | 30.6   | 29.7   | 28.8   | 27.9   | 26.9   | 26.0   | 25.1   | 23.2   | 22.3   | 21.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 57.5°  | 60°    | 62.5°  | 65°    | 67.5°  | 70°    | 72.5°  | 75°    | 77.5°  | 80°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2190.3 | 2194.9 | 2190.3 | 2180.1 | 2173.6 | 2170.8 | 2176.4 | 2176.4 | 2180.1 | 2184.7 | 2185.7 |
| 5°    | 2155.9 | 2144.8 | 2131.8 | 2118.8 | 2112.3 | 2108.6 | 2098.4 | 2100.2 | 2103.0 | 2104.9 | 2106.7 |
| 7.5°  | 2070.5 | 2055.7 | 2038.0 | 2021.3 | 2014.8 | 2009.2 | 1997.2 | 1997.2 | 1997.2 | 1998.1 | 2003.7 |
| 10°   | 1983.3 | 1976.8 | 1969.3 | 1958.2 | 1949.8 | 1947.0 | 1936.8 | 1939.6 | 1937.8 | 1940.5 | 1947.0 |
| 12.5° | 1942.4 | 1935.0 | 1928.5 | 1917.3 | 1908.0 | 1904.3 | 1899.7 | 1902.5 | 1901.5 | 1906.2 | 1911.8 |
| 15°   | 1905.3 | 1901.5 | 1894.1 | 1885.8 | 1877.4 | 1870.0 | 1853.3 | 1847.7 | 1844.0 | 1839.3 | 1845.8 |
| 17.5° | 1844.0 | 1818.0 | 1800.3 | 1787.3 | 1778.1 | 1771.6 | 1766.9 | 1766.9 | 1769.7 | 1772.5 | 1778.1 |
| 20°   | 1760.4 | 1753.0 | 1744.6 | 1730.7 | 1721.4 | 1717.7 | 1714.9 | 1714.9 | 1719.6 | 1723.3 | 1733.5 |
| 22.5° | 1702.8 | 1701.9 | 1699.1 | 1692.6 | 1688.0 | 1688.0 | 1688.9 | 1690.8 | 1697.3 | 1702.8 | 1713.1 |
| 25°   | 1675.9 | 1679.6 | 1677.8 | 1674.1 | 1671.3 | 1672.2 | 1670.4 | 1672.2 | 1678.7 | 1684.3 | 1692.6 |
| 27.5° | 1654.6 | 1660.1 | 1658.3 | 1652.7 | 1648.1 | 1649.9 | 1652.7 | 1650.9 | 1656.4 | 1662.9 | 1669.4 |
| 30°   | 1625.8 | 1626.7 | 1630.4 | 1623.9 | 1622.1 | 1624.9 | 1625.8 | 1627.6 | 1633.2 | 1637.9 | 1643.4 |
| 32.5° | 1593.3 | 1600.7 | 1599.8 | 1593.3 | 1593.3 | 1596.1 | 1597.0 | 1534.8 | 1418.7 | 1221.9 | 1168.0 |
| 35°   | 1561.7 | 1570.1 | 1556.1 | 1312.0 | 908.1  | 484.7  | 374.2  | 361.2  | 364.0  | 365.8  | 367.7  |
| 37.5° | 1155.0 | 547.8  | 349.1  | 351.9  | 354.7  | 357.5  | 360.3  | 363.0  | 365.8  | 368.6  | 369.5  |
| 40°   | 347.3  | 346.3  | 349.1  | 352.8  | 355.6  | 357.5  | 361.2  | 364.0  | 366.8  | 369.5  | 370.5  |
| 42.5° | 343.5  | 345.4  | 348.2  | 351.9  | 355.6  | 359.3  | 362.1  | 365.8  | 367.7  | 369.5  | 370.5  |
| 45°   | 341.7  | 345.4  | 349.1  | 351.9  | 354.7  | 356.5  | 358.4  | 359.3  | 358.4  | 358.4  | 360.3  |
| 47.5° | 338.9  | 342.6  | 343.5  | 342.6  | 343.5  | 342.6  | 342.6  | 342.6  | 339.8  | 338.9  | 338.9  |
| 50°   | 328.7  | 328.7  | 326.8  | 323.1  | 322.2  | 321.3  | 319.4  | 318.5  | 314.8  | 313.8  | 313.8  |
| 52.5° | 307.3  | 306.4  | 303.6  | 299.0  | 297.1  | 295.3  | 294.3  | 293.4  | 289.7  | 287.8  | 288.8  |
| 55°   | 282.3  | 280.4  | 277.6  | 272.0  | 271.1  | 269.3  | 268.3  | 267.4  | 263.7  | 265.5  | 262.8  |
| 57.5° | 259.0  | 255.3  | 251.6  | 250.7  | 247.0  | 246.0  | 245.1  | 244.2  | 241.4  | 242.3  | 240.5  |
| 60°   | 231.2  | 230.3  | 228.4  | 224.7  | 224.7  | 223.8  | 223.8  | 221.9  | 220.1  | 219.1  | 219.1  |
| 62.5° | 210.8  | 208.0  | 206.1  | 206.1  | 203.3  | 203.3  | 203.3  | 201.5  | 199.6  | 200.6  | 199.6  |
| 65°   | 188.5  | 187.6  | 186.6  | 184.8  | 184.8  | 183.8  | 183.8  | 182.0  | 179.2  | 180.1  | 178.3  |
| 67.5° | 169.9  | 168.1  | 166.2  | 165.3  | 161.6  | 159.7  | 158.8  | 157.8  | 154.1  | 155.1  | 153.2  |
| 70°   | 146.7  | 143.9  | 142.1  | 140.2  | 137.4  | 135.6  | 135.6  | 133.7  | 130.9  | 131.8  | 130.0  |
| 72.5° | 122.6  | 120.7  | 118.8  | 117.9  | 115.1  | 114.2  | 113.3  | 112.3  | 109.6  | 110.5  | 109.6  |
| 75°   | 102.1  | 102.1  | 101.2  | 100.3  | 97.5   | 94.7   | 92.8   | 91.9   | 90.1   | 91.0   | 89.1   |
| 77.5° | 84.5   | 82.6   | 80.8   | 80.8   | 78.0   | 76.1   | 74.3   | 74.3   | 74.3   | 73.4   | 72.4   |
| 80°   | 65.9   | 64.1   | 64.1   | 63.1   | 61.3   | 59.4   | 58.5   | 58.5   | 57.6   | 57.6   | 56.6   |
| 82.5° | 50.1   | 48.3   | 47.4   | 47.4   | 45.5   | 44.6   | 43.6   | 42.7   | 42.7   | 42.7   | 41.8   |
| 85°   | 35.3   | 33.4   | 32.5   | 32.5   | 30.6   | 29.7   | 29.7   | 28.8   | 28.8   | 27.9   | 27.9   |
| 87.5° | 21.4   | 20.4   | 19.5   | 19.5   | 17.6   | 16.7   | 16.7   | 16.7   | 15.8   | 15.8   | 14.9   |
| 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: P1213130

CATALOG NUMBER: 4SNLED-LD5-57HL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 82.5°  | 85°    | 87.5°  | 90°    | 92.5°  | 95°    | 97.5°  | 100°   | 102.5° | 105°   | 107.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2185.7 | 2185.7 | 2179.2 | 2181.0 | 2178.2 | 2181.9 | 2177.3 | 2177.3 | 2182.9 | 2182.9 | 2186.6 |
| 5°    | 2107.7 | 2103.0 | 2102.1 | 2100.2 | 2091.0 | 2094.7 | 2090.0 | 2085.4 | 2091.9 | 2091.9 | 2100.2 |
| 7.5°  | 2000.9 | 1992.5 | 1996.2 | 1990.7 | 1985.1 | 1976.8 | 1979.5 | 1975.8 | 1980.5 | 1987.0 | 1995.3 |
| 10°   | 1946.1 | 1938.7 | 1943.3 | 1937.8 | 1940.5 | 1928.5 | 1929.4 | 1930.3 | 1935.0 | 1936.8 | 1944.3 |
| 12.5° | 1910.8 | 1909.0 | 1907.1 | 1905.3 | 1907.1 | 1900.6 | 1896.9 | 1897.8 | 1899.7 | 1900.6 | 1906.2 |
| 15°   | 1836.5 | 1824.5 | 1828.2 | 1815.2 | 1816.1 | 1817.1 | 1809.6 | 1817.1 | 1816.1 | 1828.2 | 1839.3 |
| 17.5° | 1776.2 | 1776.2 | 1769.7 | 1764.1 | 1760.4 | 1759.5 | 1753.9 | 1757.6 | 1753.9 | 1761.3 | 1764.1 |
| 20°   | 1734.4 | 1733.5 | 1732.6 | 1729.8 | 1720.5 | 1721.4 | 1724.2 | 1715.8 | 1714.9 | 1714.0 | 1719.6 |
| 22.5° | 1714.9 | 1715.8 | 1712.1 | 1712.1 | 1703.8 | 1705.6 | 1706.6 | 1697.3 | 1698.2 | 1695.4 | 1698.2 |
| 25°   | 1694.5 | 1696.3 | 1691.7 | 1691.7 | 1689.8 | 1688.9 | 1684.3 | 1686.1 | 1680.6 | 1675.9 | 1680.6 |
| 27.5° | 1670.4 | 1674.1 | 1670.4 | 1672.2 | 1668.5 | 1666.6 | 1663.9 | 1662.0 | 1656.4 | 1655.5 | 1658.3 |
| 30°   | 1648.1 | 1649.9 | 1649.0 | 1644.4 | 1643.4 | 1637.9 | 1640.6 | 1635.1 | 1629.5 | 1630.4 | 1632.3 |
| 32.5° | 844.9  | 806.9  | 622.1  | 561.7  | 556.2  | 576.6  | 683.4  | 831.9  | 1078.0 | 1316.6 | 1488.4 |
| 35°   | 368.6  | 368.6  | 368.6  | 367.7  | 367.7  | 366.8  | 365.8  | 364.9  | 364.0  | 363.0  | 362.1  |
| 37.5° | 370.5  | 370.5  | 370.5  | 370.5  | 369.5  | 368.6  | 368.6  | 366.8  | 365.8  | 364.9  | 364.0  |
| 40°   | 371.4  | 372.3  | 372.3  | 372.3  | 371.4  | 371.4  | 370.5  | 368.6  | 367.7  | 365.8  | 364.0  |
| 42.5° | 370.5  | 371.4  | 371.4  | 370.5  | 370.5  | 369.5  | 369.5  | 368.6  | 367.7  | 366.8  | 365.8  |
| 45°   | 358.4  | 359.3  | 357.5  | 357.5  | 356.5  | 356.5  | 356.5  | 356.5  | 356.5  | 357.5  | 357.5  |
| 47.5° | 337.0  | 337.0  | 336.1  | 335.2  | 335.2  | 334.3  | 335.2  | 334.3  | 336.1  | 337.0  | 338.9  |
| 50°   | 312.0  | 312.0  | 310.1  | 309.2  | 309.2  | 309.2  | 309.2  | 310.1  | 311.0  | 312.9  | 314.8  |
| 52.5° | 286.0  | 286.0  | 285.0  | 284.1  | 283.2  | 283.2  | 286.0  | 285.0  | 286.0  | 286.9  | 289.7  |
| 55°   | 260.9  | 261.8  | 260.0  | 260.0  | 259.0  | 259.0  | 259.0  | 260.0  | 260.9  | 261.8  | 264.6  |
| 57.5° | 239.5  | 239.5  | 237.7  | 237.7  | 237.7  | 236.8  | 239.5  | 237.7  | 238.6  | 239.5  | 241.4  |
| 60°   | 218.2  | 217.3  | 217.3  | 216.3  | 216.3  | 216.3  | 218.2  | 217.3  | 217.3  | 218.2  | 220.1  |
| 62.5° | 198.7  | 198.7  | 197.8  | 197.8  | 196.8  | 196.8  | 198.7  | 197.8  | 197.8  | 198.7  | 199.6  |
| 65°   | 176.4  | 176.4  | 175.5  | 174.6  | 177.3  | 174.6  | 177.3  | 175.5  | 177.3  | 178.3  | 180.1  |
| 67.5° | 151.3  | 151.3  | 151.3  | 150.4  | 150.4  | 152.3  | 153.2  | 151.3  | 152.3  | 154.1  | 155.1  |
| 70°   | 129.1  | 129.1  | 128.1  | 128.1  | 128.1  | 130.0  | 130.9  | 129.1  | 130.0  | 130.9  | 132.8  |
| 72.5° | 109.6  | 107.7  | 107.7  | 106.8  | 108.6  | 108.6  | 109.6  | 108.6  | 109.6  | 109.6  | 111.4  |
| 75°   | 90.1   | 88.2   | 88.2   | 88.2   | 90.1   | 89.1   | 90.1   | 89.1   | 90.1   | 90.1   | 91.0   |
| 77.5° | 72.4   | 71.5   | 70.6   | 70.6   | 72.4   | 72.4   | 72.4   | 71.5   | 72.4   | 73.4   | 74.3   |
| 80°   | 56.6   | 55.7   | 54.8   | 54.8   | 56.6   | 56.6   | 56.6   | 57.6   | 56.6   | 57.6   | 58.5   |
| 82.5° | 41.8   | 40.9   | 39.9   | 41.8   | 41.8   | 41.8   | 41.8   | 42.7   | 41.8   | 42.7   | 43.6   |
| 85°   | 27.9   | 26.9   | 26.0   | 27.9   | 27.9   | 27.9   | 27.9   | 28.8   | 27.9   | 28.8   | 29.7   |
| 87.5° | 14.9   | 13.9   | 13.9   | 14.9   | 14.9   | 14.9   | 15.8   | 15.8   | 15.8   | 16.7   | 16.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1213130

CATALOG NUMBER: 4SNLED-LD5-57HL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 112.5° | 115°   | 117.5° | 120°   | 122.5° | 125°   | 127.5° | 130°   | 132.5° | 135°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2192.2 | 2194.9 | 2194.0 | 2188.4 | 2182.9 | 2176.4 | 2171.7 | 2172.7 | 2181.9 | 2184.7 | 2176.4 |
| 5°    | 2100.2 | 2117.9 | 2117.9 | 2130.0 | 2123.5 | 2117.9 | 2121.6 | 2142.0 | 2152.2 | 2168.0 | 2173.6 |
| 7.5°  | 2005.5 | 2013.9 | 2013.0 | 2025.0 | 2023.2 | 2023.2 | 2026.0 | 2052.9 | 2065.9 | 2078.9 | 2082.6 |
| 10°   | 1952.6 | 1961.0 | 1960.0 | 1961.0 | 1958.2 | 1951.7 | 1951.7 | 1963.8 | 1974.9 | 1981.4 | 1983.3 |
| 12.5° | 1914.5 | 1919.2 | 1918.3 | 1918.3 | 1916.4 | 1910.8 | 1909.9 | 1920.1 | 1932.2 | 1940.5 | 1941.5 |
| 15°   | 1857.9 | 1870.9 | 1873.7 | 1885.8 | 1883.0 | 1875.5 | 1877.4 | 1885.8 | 1893.2 | 1900.6 | 1897.8 |
| 17.5° | 1773.4 | 1779.9 | 1780.8 | 1785.5 | 1783.6 | 1783.6 | 1794.8 | 1825.4 | 1845.8 | 1863.5 | 1865.3 |
| 20°   | 1725.1 | 1729.8 | 1727.9 | 1738.1 | 1733.5 | 1732.6 | 1735.3 | 1748.3 | 1757.6 | 1766.0 | 1780.8 |
| 22.5° | 1701.9 | 1705.6 | 1702.8 | 1703.8 | 1695.4 | 1688.0 | 1686.1 | 1696.3 | 1706.6 | 1717.7 | 1717.7 |
| 25°   | 1682.4 | 1685.2 | 1684.3 | 1682.4 | 1675.9 | 1665.7 | 1663.9 | 1665.7 | 1669.4 | 1670.4 | 1663.9 |
| 27.5° | 1659.2 | 1661.1 | 1661.1 | 1662.0 | 1653.6 | 1644.4 | 1642.5 | 1640.6 | 1644.4 | 1643.4 | 1633.2 |
| 30°   | 1635.1 | 1632.3 | 1633.2 | 1634.1 | 1626.7 | 1618.4 | 1614.6 | 1613.7 | 1617.4 | 1616.5 | 1606.3 |
| 32.5° | 1577.5 | 1598.9 | 1600.7 | 1602.6 | 1596.1 | 1588.6 | 1584.9 | 1582.1 | 1584.0 | 1583.1 | 1573.8 |
| 35°   | 361.2  | 367.7  | 450.3  | 1019.5 | 1384.4 | 1532.9 | 1548.7 | 1545.0 | 1545.9 | 1545.9 | 1538.5 |
| 37.5° | 362.1  | 361.2  | 360.3  | 357.5  | 354.7  | 352.8  | 610.0  | 1300.8 | 1506.9 | 1507.9 | 1501.4 |
| 40°   | 362.1  | 361.2  | 360.3  | 358.4  | 354.7  | 351.9  | 347.3  | 343.5  | 351.9  | 774.4  | 1416.9 |
| 42.5° | 364.0  | 362.1  | 360.3  | 358.4  | 354.7  | 351.0  | 347.3  | 342.6  | 345.4  | 343.5  | 338.9  |
| 45°   | 358.4  | 357.5  | 357.5  | 356.5  | 354.7  | 351.0  | 346.3  | 340.8  | 338.0  | 340.8  | 336.1  |
| 47.5° | 340.8  | 341.7  | 344.5  | 345.4  | 345.4  | 346.3  | 343.5  | 339.8  | 335.2  | 338.0  | 332.4  |
| 50°   | 316.6  | 318.5  | 319.4  | 324.0  | 325.9  | 329.6  | 330.5  | 330.5  | 329.6  | 333.3  | 329.6  |
| 52.5° | 290.6  | 292.5  | 297.1  | 299.0  | 300.8  | 306.4  | 308.3  | 311.0  | 312.9  | 318.5  | 322.2  |
| 55°   | 265.5  | 266.5  | 268.3  | 272.0  | 274.8  | 279.5  | 282.3  | 285.0  | 289.7  | 292.5  | 303.6  |
| 57.5° | 242.3  | 243.3  | 247.0  | 247.9  | 249.8  | 253.5  | 256.3  | 260.0  | 263.7  | 265.5  | 278.5  |
| 60°   | 220.1  | 221.0  | 223.8  | 224.7  | 225.6  | 229.3  | 232.1  | 234.9  | 237.7  | 239.5  | 248.8  |
| 62.5° | 200.6  | 200.6  | 203.3  | 203.3  | 204.3  | 207.1  | 208.9  | 210.8  | 213.6  | 214.5  | 219.1  |
| 65°   | 181.1  | 182.0  | 183.8  | 183.8  | 184.8  | 186.6  | 187.6  | 188.5  | 191.3  | 191.3  | 195.0  |
| 67.5° | 156.9  | 157.8  | 160.6  | 162.5  | 163.4  | 167.1  | 168.1  | 169.0  | 170.8  | 171.8  | 173.6  |
| 70°   | 133.7  | 134.6  | 137.4  | 138.3  | 139.3  | 142.1  | 143.9  | 146.7  | 149.5  | 152.3  | 154.1  |
| 72.5° | 112.3  | 113.3  | 116.1  | 116.1  | 118.8  | 119.8  | 121.6  | 122.6  | 125.3  | 127.2  | 130.0  |
| 75°   | 91.9   | 92.8   | 95.6   | 95.6   | 98.4   | 99.3   | 100.3  | 101.2  | 103.1  | 104.9  | 106.8  |
| 77.5° | 75.2   | 75.2   | 78.9   | 80.8   | 82.6   | 82.6   | 83.6   | 83.6   | 83.6   | 84.5   | 86.3   |
| 80°   | 59.4   | 59.4   | 62.2   | 64.1   | 65.9   | 65.9   | 66.9   | 67.8   | 68.7   | 68.7   | 69.6   |
| 82.5° | 44.6   | 44.6   | 47.4   | 48.3   | 50.1   | 50.1   | 50.1   | 51.1   | 52.0   | 51.1   | 52.9   |
| 85°   | 30.6   | 30.6   | 32.5   | 33.4   | 35.3   | 35.3   | 35.3   | 36.2   | 37.1   | 36.2   | 37.1   |
| 87.5° | 17.6   | 18.6   | 19.5   | 20.4   | 21.4   | 22.3   | 22.3   | 22.3   | 23.2   | 23.2   | 24.1   |
| 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: P1213130

CATALOG NUMBER: 4SNLED-LD5-57HL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 137.5° | 140°   | 142.5° | 145°   | 147.5° | 150°   | 152.5° | 155°   | 157.5° | 160°   | 162.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2167.1 | 2155.9 | 2155.0 | 2142.0 | 2138.3 | 2139.2 | 2129.0 | 2125.3 | 2108.6 | 2104.9 | 2087.2 |
| 5°    | 2175.4 | 2181.0 | 2178.2 | 2177.3 | 2180.1 | 2178.2 | 2170.8 | 2167.1 | 2164.3 | 2156.9 | 2142.0 |
| 7.5°  | 2083.5 | 2087.2 | 2090.0 | 2102.1 | 2112.3 | 2130.0 | 2148.5 | 2160.6 | 2169.9 | 2171.7 | 2159.7 |
| 10°   | 1989.8 | 2007.4 | 2019.5 | 2038.0 | 2052.9 | 2063.1 | 2074.2 | 2084.5 | 2111.4 | 2138.3 | 2154.1 |
| 12.5° | 1941.5 | 1946.1 | 1945.2 | 1955.4 | 1965.6 | 1992.5 | 2018.5 | 2033.4 | 2053.8 | 2065.9 | 2094.7 |
| 15°   | 1900.6 | 1901.5 | 1904.3 | 1911.8 | 1917.3 | 1926.6 | 1938.7 | 1961.0 | 2001.8 | 2020.4 | 2036.2 |
| 17.5° | 1863.5 | 1863.5 | 1865.3 | 1871.8 | 1879.3 | 1887.6 | 1895.0 | 1904.3 | 1924.8 | 1955.4 | 1994.4 |
| 20°   | 1804.1 | 1830.1 | 1832.8 | 1831.9 | 1835.6 | 1851.4 | 1853.3 | 1870.0 | 1880.2 | 1892.3 | 1930.3 |
| 22.5° | 1715.8 | 1731.6 | 1753.9 | 1788.3 | 1801.3 | 1808.7 | 1814.3 | 1821.7 | 1837.5 | 1851.4 | 1867.2 |
| 25°   | 1667.6 | 1677.8 | 1684.3 | 1694.5 | 1721.4 | 1765.1 | 1773.4 | 1781.8 | 1792.0 | 1802.2 | 1821.7 |
| 27.5° | 1624.9 | 1623.9 | 1628.6 | 1637.9 | 1645.3 | 1668.5 | 1709.3 | 1741.8 | 1743.7 | 1758.6 | 1775.3 |
| 30°   | 1594.2 | 1588.6 | 1582.1 | 1580.3 | 1590.5 | 1602.6 | 1614.6 | 1665.7 | 1701.0 | 1708.4 | 1726.1 |
| 32.5° | 1565.4 | 1556.1 | 1546.9 | 1539.4 | 1532.9 | 1543.1 | 1550.6 | 1572.9 | 1618.4 | 1661.1 | 1670.4 |
| 35°   | 1530.1 | 1520.9 | 1509.7 | 1501.4 | 1491.2 | 1490.2 | 1489.3 | 1510.7 | 1525.5 | 1576.6 | 1621.1 |
| 37.5° | 1493.9 | 1483.7 | 1474.4 | 1465.2 | 1454.9 | 1447.5 | 1442.9 | 1448.4 | 1462.4 | 1484.7 | 1558.9 |
| 40°   | 1455.9 | 1443.8 | 1434.5 | 1427.1 | 1413.2 | 1407.6 | 1398.3 | 1394.6 | 1395.5 | 1415.0 | 1454.0 |
| 42.5° | 870.0  | 1387.2 | 1391.8 | 1383.4 | 1371.4 | 1363.9 | 1353.7 | 1349.1 | 1339.8 | 1349.1 | 1371.4 |
| 45°   | 335.2  | 338.9  | 1014.8 | 1340.7 | 1325.9 | 1316.6 | 1307.3 | 1302.7 | 1292.5 | 1285.0 | 1305.5 |
| 47.5° | 328.7  | 332.4  | 325.0  | 460.5  | 1265.5 | 1268.3 | 1257.2 | 1252.5 | 1242.3 | 1236.7 | 1231.2 |
| 50°   | 324.0  | 326.8  | 321.3  | 323.1  | 316.6  | 1159.7 | 1206.1 | 1200.5 | 1189.4 | 1182.9 | 1171.8 |
| 52.5° | 319.4  | 319.4  | 315.7  | 311.0  | 309.2  | 310.1  | 975.8  | 1147.6 | 1134.6 | 1128.1 | 1113.3 |
| 55°   | 304.5  | 306.4  | 310.1  | 302.7  | 300.8  | 299.9  | 297.1  | 929.4  | 1074.3 | 1066.8 | 1053.8 |
| 57.5° | 282.3  | 286.0  | 296.2  | 294.3  | 294.3  | 286.9  | 285.0  | 285.0  | 862.6  | 1004.6 | 991.6  |
| 60°   | 256.3  | 260.0  | 271.1  | 274.8  | 277.6  | 275.8  | 273.9  | 273.0  | 269.3  | 909.0  | 925.7  |
| 62.5° | 229.3  | 233.1  | 236.8  | 248.8  | 252.5  | 257.2  | 262.8  | 260.0  | 256.3  | 256.3  | 856.1  |
| 65°   | 200.6  | 206.1  | 208.0  | 219.1  | 223.8  | 232.1  | 236.8  | 243.3  | 241.4  | 240.5  | 245.1  |
| 67.5° | 175.5  | 182.0  | 182.9  | 187.6  | 195.9  | 199.6  | 205.2  | 217.3  | 222.8  | 224.7  | 226.6  |
| 70°   | 154.1  | 157.8  | 160.6  | 162.5  | 168.1  | 169.0  | 179.2  | 187.6  | 195.9  | 205.2  | 208.0  |
| 72.5° | 132.8  | 135.6  | 141.1  | 139.3  | 141.1  | 144.8  | 150.4  | 156.0  | 164.3  | 177.3  | 185.7  |
| 75°   | 108.6  | 110.5  | 114.2  | 116.1  | 119.8  | 122.6  | 126.3  | 130.9  | 138.3  | 144.8  | 156.0  |
| 77.5° | 87.3   | 88.2   | 91.0   | 91.9   | 95.6   | 98.4   | 104.9  | 107.7  | 112.3  | 117.0  | 123.5  |
| 80°   | 70.6   | 70.6   | 71.5   | 71.5   | 74.3   | 77.1   | 81.7   | 84.5   | 90.1   | 93.8   | 93.8   |
| 82.5° | 53.9   | 53.9   | 56.6   | 56.6   | 58.5   | 58.5   | 61.3   | 61.3   | 64.1   | 65.9   | 67.8   |
| 85°   | 38.1   | 39.0   | 40.9   | 39.9   | 41.8   | 40.9   | 42.7   | 44.6   | 45.5   | 44.6   | 43.6   |
| 87.5° | 25.1   | 25.1   | 26.9   | 26.0   | 26.9   | 26.9   | 28.8   | 28.8   | 29.7   | 29.7   | 28.8   |
| 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: P1213130

CATALOG NUMBER: 4SNLED-LD5-57HL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 167.5° | 170°   | 172.5° | 175°   | 177.5° | 180°   | 182.5° | 185°   | 187.5° | 190°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2080.7 | 2066.8 | 2058.5 | 2048.2 | 2045.5 | 2042.7 | 2046.4 | 2046.4 | 2040.8 | 2036.2 | 2027.8 |
| 5°    | 2129.0 | 2114.2 | 2098.4 | 2081.7 | 2065.9 | 2049.2 | 2042.7 | 2041.7 | 2031.5 | 2026.0 | 2023.2 |
| 7.5°  | 2154.1 | 2146.7 | 2129.0 | 2105.8 | 2081.7 | 2052.0 | 2039.0 | 2031.5 | 2021.3 | 2019.5 | 2019.5 |
| 10°   | 2156.9 | 2148.5 | 2139.2 | 2122.5 | 2094.7 | 2055.7 | 2030.6 | 2015.7 | 2006.5 | 2013.0 | 2025.0 |
| 12.5° | 2130.0 | 2145.7 | 2137.4 | 2126.2 | 2104.0 | 2056.6 | 2020.4 | 1998.1 | 1995.3 | 2012.0 | 2043.6 |
| 15°   | 2061.2 | 2107.7 | 2130.9 | 2119.7 | 2102.1 | 2054.7 | 2003.7 | 1977.7 | 1977.7 | 2012.0 | 2052.9 |
| 17.5° | 2009.2 | 2045.5 | 2102.1 | 2111.4 | 2091.0 | 2051.0 | 1987.9 | 1957.3 | 1965.6 | 2015.7 | 2059.4 |
| 20°   | 1966.5 | 1988.8 | 2043.6 | 2095.6 | 2076.1 | 2042.7 | 1964.7 | 1933.1 | 1949.8 | 2010.2 | 2068.7 |
| 22.5° | 1899.7 | 1944.3 | 1977.7 | 2054.7 | 2061.2 | 2026.9 | 1941.5 | 1903.4 | 1936.8 | 2010.2 | 2064.0 |
| 25°   | 1834.7 | 1888.5 | 1923.8 | 1999.0 | 2039.0 | 2007.4 | 1920.1 | 1871.8 | 1922.9 | 2007.4 | 2060.3 |
| 27.5° | 1789.2 | 1814.3 | 1878.3 | 1932.2 | 2005.5 | 1981.4 | 1891.3 | 1837.5 | 1905.3 | 1992.5 | 2039.0 |
| 30°   | 1740.9 | 1757.6 | 1820.8 | 1871.8 | 1961.0 | 1951.7 | 1861.6 | 1799.4 | 1883.0 | 1978.6 | 1983.3 |
| 32.5° | 1688.0 | 1706.6 | 1739.1 | 1813.3 | 1898.8 | 1923.8 | 1828.2 | 1761.3 | 1858.8 | 1957.3 | 1918.3 |
| 35°   | 1634.1 | 1648.1 | 1674.1 | 1753.9 | 1826.3 | 1882.0 | 1787.3 | 1717.7 | 1842.1 | 1924.8 | 1856.0 |
| 37.5° | 1580.3 | 1595.1 | 1617.4 | 1684.3 | 1750.2 | 1843.0 | 1752.1 | 1674.1 | 1811.5 | 1867.2 | 1791.1 |
| 40°   | 1529.2 | 1537.6 | 1560.8 | 1602.6 | 1687.1 | 1803.1 | 1712.1 | 1628.6 | 1779.9 | 1793.8 | 1702.8 |
| 42.5° | 1435.4 | 1477.2 | 1498.6 | 1532.0 | 1615.6 | 1748.3 | 1665.7 | 1580.3 | 1744.6 | 1720.5 | 1614.6 |
| 45°   | 1334.2 | 1425.2 | 1434.5 | 1467.9 | 1552.4 | 1689.8 | 1622.1 | 1532.9 | 1711.2 | 1657.4 | 1531.1 |
| 47.5° | 1251.6 | 1317.5 | 1371.4 | 1399.2 | 1477.2 | 1621.1 | 1581.2 | 1493.0 | 1661.1 | 1577.5 | 1449.4 |
| 50°   | 1178.3 | 1213.5 | 1311.0 | 1331.5 | 1387.2 | 1538.5 | 1532.9 | 1446.6 | 1591.4 | 1477.2 | 1369.5 |
| 52.5° | 1106.8 | 1131.8 | 1220.0 | 1263.7 | 1309.2 | 1449.4 | 1475.4 | 1401.1 | 1515.3 | 1376.9 | 1288.7 |
| 55°   | 1044.5 | 1052.9 | 1101.2 | 1193.1 | 1234.0 | 1359.3 | 1412.2 | 1348.2 | 1418.7 | 1281.3 | 1210.7 |
| 57.5° | 980.5  | 973.1  | 1008.3 | 1126.3 | 1156.0 | 1267.4 | 1345.4 | 1294.3 | 1340.7 | 1183.8 | 1130.0 |
| 60°   | 913.6  | 903.4  | 918.3  | 996.3  | 1073.3 | 1176.4 | 1266.5 | 1234.9 | 1246.0 | 1087.3 | 1039.9 |
| 62.5° | 844.0  | 833.8  | 829.1  | 878.3  | 992.6  | 1082.6 | 1186.6 | 1169.0 | 1130.0 | 999.1  | 928.5  |
| 65°   | 771.6  | 761.4  | 753.9  | 773.4  | 903.4  | 961.0  | 1097.5 | 1092.8 | 1002.8 | 906.2  | 781.8  |
| 67.5° | 234.9  | 692.7  | 676.9  | 675.9  | 761.4  | 850.5  | 1000.9 | 993.5  | 874.6  | 806.9  | 673.2  |
| 70°   | 211.7  | 561.7  | 597.0  | 588.7  | 625.8  | 738.1  | 890.4  | 884.8  | 750.2  | 647.2  | 595.2  |
| 72.5° | 194.1  | 198.7  | 527.4  | 518.1  | 526.5  | 627.7  | 775.3  | 760.4  | 636.0  | 510.7  | 514.4  |
| 75°   | 166.2  | 174.6  | 182.0  | 437.3  | 426.2  | 520.0  | 649.9  | 626.7  | 524.6  | 421.5  | 429.9  |
| 77.5° | 135.6  | 145.8  | 151.3  | 318.5  | 344.5  | 370.5  | 519.0  | 488.4  | 361.2  | 337.0  | 160.6  |
| 80°   | 101.2  | 109.6  | 118.8  | 127.2  | 261.8  | 259.0  | 385.3  | 354.7  | 251.6  | 209.8  | 125.3  |
| 82.5° | 74.3   | 77.1   | 82.6   | 91.9   | 104.0  | 173.6  | 247.9  | 218.2  | 174.6  | 95.6   | 86.3   |
| 85°   | 46.4   | 50.1   | 52.9   | 55.7   | 63.1   | 104.0  | 122.6  | 97.5   | 73.4   | 58.5   | 54.8   |
| 87.5° | 29.7   | 29.7   | 28.8   | 29.7   | 30.6   | 37.1   | 41.8   | 39.9   | 31.6   | 29.7   | 29.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 192.5° | 195°   | 197.5° | 200°   | 202.5° | 205°   | 207.5° | 210°   | 212.5° | 215°   | 217.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2018.5 | 2005.5 | 2005.5 | 2001.8 | 2004.6 | 2004.6 | 2003.7 | 2004.6 | 2011.1 | 2014.8 | 2021.3 |
| 5°    | 2017.6 | 2013.9 | 2022.2 | 2032.5 | 2044.5 | 2059.4 | 2063.1 | 2076.1 | 2088.2 | 2104.0 | 2120.7 |
| 7.5°  | 2029.7 | 2042.7 | 2058.5 | 2075.2 | 2099.3 | 2117.0 | 2132.7 | 2148.5 | 2159.7 | 2174.5 | 2183.8 |
| 10°   | 2047.3 | 2073.3 | 2100.2 | 2121.6 | 2147.6 | 2162.4 | 2172.7 | 2174.5 | 2158.7 | 2133.7 | 2113.2 |
| 12.5° | 2072.4 | 2103.0 | 2128.1 | 2148.5 | 2160.6 | 2155.0 | 2125.3 | 2094.7 | 2077.0 | 2051.0 | 2014.8 |
| 15°   | 2093.7 | 2121.6 | 2147.6 | 2139.2 | 2106.7 | 2076.1 | 2052.9 | 2016.7 | 1981.4 | 1957.3 | 1941.5 |
| 17.5° | 2103.0 | 2130.0 | 2120.7 | 2077.0 | 2046.4 | 2011.1 | 1963.8 | 1935.9 | 1912.7 | 1894.1 | 1884.8 |
| 20°   | 2108.6 | 2104.0 | 2053.8 | 2022.2 | 1962.8 | 1930.3 | 1899.7 | 1873.7 | 1856.0 | 1846.8 | 1844.9 |
| 22.5° | 2093.7 | 2037.1 | 1994.4 | 1937.8 | 1894.1 | 1867.2 | 1843.0 | 1821.7 | 1809.6 | 1802.2 | 1797.6 |
| 25°   | 2044.5 | 1978.6 | 1915.5 | 1870.9 | 1833.8 | 1810.6 | 1792.0 | 1774.3 | 1759.5 | 1755.8 | 1746.5 |
| 27.5° | 1975.8 | 1922.0 | 1838.4 | 1804.1 | 1771.6 | 1760.4 | 1740.0 | 1722.3 | 1709.3 | 1698.2 | 1668.5 |
| 30°   | 1919.2 | 1833.8 | 1773.4 | 1741.8 | 1722.3 | 1709.3 | 1686.1 | 1667.6 | 1645.3 | 1604.4 | 1587.7 |
| 32.5° | 1849.5 | 1765.1 | 1707.5 | 1689.8 | 1665.7 | 1654.6 | 1628.6 | 1587.7 | 1553.4 | 1536.6 | 1535.7 |
| 35°   | 1759.5 | 1689.8 | 1648.1 | 1632.3 | 1612.8 | 1594.2 | 1540.4 | 1503.2 | 1486.5 | 1488.4 | 1502.3 |
| 37.5° | 1684.3 | 1622.1 | 1595.1 | 1572.9 | 1550.6 | 1503.2 | 1457.7 | 1440.1 | 1444.7 | 1454.0 | 1460.5 |
| 40°   | 1608.1 | 1560.8 | 1530.1 | 1512.5 | 1462.4 | 1415.9 | 1391.8 | 1398.3 | 1406.7 | 1413.2 | 1421.5 |
| 42.5° | 1533.9 | 1500.4 | 1469.8 | 1435.4 | 1366.7 | 1341.7 | 1347.2 | 1355.6 | 1363.0 | 1372.3 | 1380.7 |
| 45°   | 1463.3 | 1433.6 | 1398.3 | 1320.3 | 1286.0 | 1292.5 | 1300.8 | 1307.3 | 1318.5 | 1325.0 | 1333.3 |
| 47.5° | 1396.4 | 1364.9 | 1302.7 | 1234.0 | 1230.2 | 1243.2 | 1250.7 | 1259.0 | 1267.4 | 1250.7 | 689.9  |
| 50°   | 1321.2 | 1288.7 | 1194.0 | 1168.0 | 1176.4 | 1188.5 | 1197.7 | 1206.1 | 1074.3 | 427.1  | 328.7  |
| 52.5° | 1247.0 | 1164.3 | 1104.0 | 1111.4 | 1119.8 | 1133.7 | 1140.2 | 846.8  | 337.0  | 321.3  | 322.2  |
| 55°   | 1164.3 | 1058.5 | 1040.8 | 1050.1 | 1057.5 | 1071.5 | 710.3  | 311.0  | 309.2  | 308.3  | 315.7  |
| 57.5° | 1034.3 | 970.3  | 977.7  | 987.0  | 994.4  | 701.9  | 302.7  | 300.8  | 301.8  | 302.7  | 303.6  |
| 60°   | 918.3  | 904.3  | 912.7  | 921.1  | 651.8  | 292.5  | 286.9  | 287.8  | 291.5  | 288.8  | 281.3  |
| 62.5° | 826.4  | 837.5  | 845.9  | 740.9  | 277.6  | 274.8  | 277.6  | 274.8  | 268.3  | 263.7  | 254.4  |
| 65°   | 755.8  | 766.9  | 773.4  | 260.9  | 260.0  | 263.7  | 260.9  | 251.6  | 241.4  | 228.4  | 225.6  |
| 67.5° | 681.5  | 692.7  | 247.9  | 241.4  | 245.1  | 240.5  | 229.3  | 218.2  | 210.8  | 199.6  | 195.0  |
| 70°   | 604.4  | 259.0  | 224.7  | 223.8  | 217.3  | 209.8  | 197.8  | 186.6  | 177.3  | 172.7  | 168.1  |
| 72.5° | 436.4  | 205.2  | 202.4  | 195.0  | 183.8  | 173.6  | 163.4  | 156.9  | 152.3  | 149.5  | 146.7  |
| 75°   | 182.0  | 178.3  | 169.9  | 156.9  | 145.8  | 141.1  | 133.7  | 129.1  | 127.2  | 121.6  | 119.8  |
| 77.5° | 152.3  | 144.8  | 132.8  | 123.5  | 117.0  | 114.2  | 108.6  | 103.1  | 100.3  | 99.3   | 95.6   |
| 80°   | 117.0  | 106.8  | 101.2  | 96.6   | 94.7   | 88.2   | 81.7   | 78.9   | 77.1   | 76.1   | 73.4   |
| 82.5° | 79.8   | 76.1   | 72.4   | 65.9   | 65.9   | 63.1   | 60.4   | 58.5   | 56.6   | 56.6   | 54.8   |
| 85°   | 52.0   | 49.2   | 48.3   | 45.5   | 45.5   | 43.6   | 42.7   | 41.8   | 40.9   | 39.9   | 39.0   |
| 87.5° | 29.7   | 29.7   | 30.6   | 29.7   | 29.7   | 28.8   | 27.9   | 26.9   | 26.0   | 26.0   | 24.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 222.5° | 225°   | 227.5° | 230°   | 232.5° | 235°   | 237.5° | 240°   | 242.5° | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2029.7 | 2039.0 | 2040.8 | 2072.4 | 2090.0 | 2089.1 | 2083.5 | 2100.2 | 2090.0 | 2084.5 | 2090.0 |
| 5°    | 2137.4 | 2148.5 | 2157.8 | 2192.2 | 2204.2 | 2209.8 | 2208.9 | 2218.2 | 2210.7 | 2204.2 | 2204.2 |
| 7.5°  | 2190.3 | 2194.0 | 2197.7 | 2189.4 | 2183.8 | 2174.5 | 2160.6 | 2140.2 | 2130.0 | 2118.8 | 2104.9 |
| 10°   | 2103.0 | 2091.0 | 2095.6 | 2078.9 | 2065.0 | 2054.7 | 2041.7 | 2025.0 | 2011.1 | 2000.9 | 1985.1 |
| 12.5° | 1996.2 | 1995.3 | 1997.2 | 2000.0 | 1986.0 | 1977.7 | 1967.5 | 1955.4 | 1945.2 | 1934.0 | 1921.0 |
| 15°   | 1931.3 | 1932.2 | 1939.6 | 1936.8 | 1932.2 | 1927.5 | 1916.4 | 1912.7 | 1903.4 | 1891.3 | 1883.9 |
| 17.5° | 1884.8 | 1889.5 | 1896.9 | 1893.2 | 1885.8 | 1881.1 | 1872.8 | 1864.4 | 1856.0 | 1846.8 | 1835.6 |
| 20°   | 1844.0 | 1848.6 | 1853.3 | 1848.6 | 1834.7 | 1828.2 | 1817.1 | 1791.1 | 1772.5 | 1753.9 | 1737.2 |
| 22.5° | 1799.4 | 1802.2 | 1798.5 | 1783.6 | 1748.3 | 1731.6 | 1718.6 | 1711.2 | 1695.4 | 1685.2 | 1675.0 |
| 25°   | 1743.7 | 1727.9 | 1703.8 | 1687.1 | 1673.1 | 1665.7 | 1660.1 | 1659.2 | 1657.4 | 1655.5 | 1650.9 |
| 27.5° | 1652.7 | 1647.1 | 1634.1 | 1627.6 | 1628.6 | 1631.4 | 1632.3 | 1635.1 | 1632.3 | 1628.6 | 1624.9 |
| 30°   | 1584.9 | 1587.7 | 1588.6 | 1590.5 | 1595.1 | 1597.9 | 1598.9 | 1602.6 | 1600.7 | 1597.9 | 1596.1 |
| 32.5° | 1542.2 | 1548.7 | 1552.4 | 1558.0 | 1560.8 | 1565.4 | 1565.4 | 1571.0 | 1565.4 | 1564.5 | 1562.6 |
| 35°   | 1506.9 | 1512.5 | 1514.4 | 1522.7 | 1525.5 | 1530.1 | 1530.1 | 1534.8 | 1530.1 | 1482.8 | 1170.8 |
| 37.5° | 1471.7 | 1477.2 | 1480.9 | 1488.4 | 1489.3 | 1492.1 | 1376.9 | 1007.4 | 649.9  | 503.2  | 384.4  |
| 40°   | 1429.9 | 1436.4 | 1440.1 | 1442.9 | 1013.9 | 643.4  | 442.9  | 360.3  | 360.3  | 363.0  | 365.8  |
| 42.5° | 1385.3 | 1389.9 | 968.4  | 563.6  | 351.0  | 350.0  | 352.8  | 355.6  | 358.4  | 362.1  | 365.8  |
| 45°   | 1089.1 | 549.7  | 349.1  | 340.8  | 343.5  | 347.3  | 351.0  | 354.7  | 359.3  | 363.0  | 364.9  |
| 47.5° | 357.5  | 335.2  | 339.8  | 336.1  | 340.8  | 345.4  | 349.1  | 352.8  | 353.8  | 354.7  | 353.8  |
| 50°   | 330.5  | 330.5  | 333.3  | 333.3  | 337.0  | 338.9  | 338.9  | 338.9  | 335.2  | 334.3  | 331.5  |
| 52.5° | 319.4  | 326.8  | 323.1  | 325.0  | 323.1  | 320.3  | 317.5  | 314.8  | 309.2  | 307.3  | 303.6  |
| 55°   | 313.8  | 316.6  | 307.3  | 304.5  | 300.8  | 293.4  | 289.7  | 286.0  | 281.3  | 279.5  | 274.8  |
| 57.5° | 300.8  | 294.3  | 284.1  | 279.5  | 273.0  | 265.5  | 261.8  | 259.0  | 254.4  | 252.5  | 249.8  |
| 60°   | 276.7  | 263.7  | 257.2  | 251.6  | 244.2  | 237.7  | 234.9  | 233.1  | 229.3  | 228.4  | 225.6  |
| 62.5° | 247.0  | 235.8  | 230.3  | 222.8  | 217.3  | 213.6  | 210.8  | 209.8  | 206.1  | 206.1  | 204.3  |
| 65°   | 214.5  | 208.9  | 204.3  | 196.8  | 194.1  | 190.3  | 189.4  | 188.5  | 186.6  | 185.7  | 183.8  |
| 67.5° | 188.5  | 184.8  | 178.3  | 174.6  | 172.7  | 169.9  | 168.1  | 166.2  | 162.5  | 160.6  | 157.8  |
| 70°   | 165.3  | 162.5  | 156.0  | 153.2  | 149.5  | 144.8  | 142.1  | 140.2  | 137.4  | 135.6  | 132.8  |
| 72.5° | 143.0  | 134.6  | 130.0  | 127.2  | 124.4  | 119.8  | 118.8  | 117.0  | 114.2  | 113.3  | 110.5  |
| 75°   | 115.1  | 108.6  | 105.8  | 104.0  | 101.2  | 98.4   | 98.4   | 98.4   | 95.6   | 94.7   | 93.8   |
| 77.5° | 91.9   | 88.2   | 86.3   | 84.5   | 83.6   | 81.7   | 78.9   | 78.0   | 75.2   | 75.2   | 74.3   |
| 80°   | 70.6   | 68.7   | 66.9   | 65.9   | 65.0   | 63.1   | 61.3   | 60.4   | 57.6   | 57.6   | 56.6   |
| 82.5° | 52.0   | 51.1   | 50.1   | 49.2   | 48.3   | 47.4   | 44.6   | 43.6   | 41.8   | 41.8   | 40.9   |
| 85°   | 37.1   | 36.2   | 34.4   | 33.4   | 33.4   | 32.5   | 29.7   | 28.8   | 26.9   | 26.9   | 26.9   |
| 87.5° | 23.2   | 22.3   | 21.4   | 20.4   | 19.5   | 18.6   | 16.7   | 15.8   | 15.8   | 13.9   | 13.0   |
| 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: P1213130

CATALOG NUMBER: 4SNLED-LD5-57HL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°   | 252.5° | 255°   | 257.5° | 260°   | 262.5° | 265°   | 267.5° | 270°   | 272.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2078.9 | 2094.7 | 2092.8 | 2104.0 | 2106.7 | 2112.3 | 2114.2 | 2115.1 | 2101.2 | 2112.3 | 2113.2 |
| 5°    | 2201.4 | 2204.2 | 2206.1 | 2210.7 | 2215.4 | 2216.3 | 2211.7 | 2206.1 | 2207.9 | 2204.2 | 2194.9 |
| 7.5°  | 2103.0 | 2089.1 | 2086.3 | 2082.6 | 2080.7 | 2078.9 | 2070.5 | 2078.0 | 2069.6 | 2065.9 | 2052.9 |
| 10°   | 1982.3 | 1969.3 | 1968.4 | 1968.4 | 1971.2 | 1970.3 | 1968.4 | 1964.7 | 1972.1 | 1967.5 | 1964.7 |
| 12.5° | 1919.2 | 1914.5 | 1917.3 | 1915.5 | 1922.9 | 1924.8 | 1922.9 | 1922.9 | 1921.0 | 1917.3 | 1919.2 |
| 15°   | 1881.1 | 1877.4 | 1880.2 | 1877.4 | 1883.0 | 1883.9 | 1879.3 | 1882.0 | 1877.4 | 1872.8 | 1870.9 |
| 17.5° | 1831.0 | 1822.6 | 1816.1 | 1806.8 | 1807.8 | 1805.9 | 1800.3 | 1800.3 | 1795.7 | 1783.6 | 1784.6 |
| 20°   | 1734.4 | 1726.1 | 1722.3 | 1722.3 | 1727.0 | 1728.8 | 1727.9 | 1729.8 | 1725.1 | 1723.3 | 1715.8 |
| 22.5° | 1674.1 | 1673.1 | 1675.0 | 1679.6 | 1687.1 | 1697.3 | 1698.2 | 1698.2 | 1698.2 | 1697.3 | 1688.0 |
| 25°   | 1652.7 | 1652.7 | 1654.6 | 1661.1 | 1666.6 | 1674.1 | 1675.9 | 1677.8 | 1675.9 | 1675.9 | 1667.6 |
| 27.5° | 1628.6 | 1626.7 | 1630.4 | 1636.9 | 1643.4 | 1649.0 | 1653.6 | 1654.6 | 1651.8 | 1651.8 | 1654.6 |
| 30°   | 1598.9 | 1597.9 | 1602.6 | 1609.1 | 1614.6 | 1620.2 | 1624.9 | 1628.6 | 1624.9 | 1624.9 | 1622.1 |
| 32.5° | 1568.2 | 1568.2 | 1570.1 | 1531.1 | 1419.7 | 1278.5 | 1281.3 | 1199.6 | 1143.0 | 1071.5 | 1166.2 |
| 35°   | 978.6  | 712.2  | 611.9  | 518.1  | 452.2  | 409.5  | 408.5  | 394.6  | 388.1  | 383.5  | 382.5  |
| 37.5° | 369.5  | 371.4  | 375.1  | 377.0  | 379.8  | 381.6  | 382.5  | 382.5  | 382.5  | 382.5  | 381.6  |
| 40°   | 368.6  | 372.3  | 375.1  | 377.9  | 380.7  | 382.5  | 382.5  | 383.5  | 384.4  | 384.4  | 384.4  |
| 42.5° | 369.5  | 373.3  | 377.0  | 379.8  | 381.6  | 382.5  | 383.5  | 384.4  | 384.4  | 384.4  | 384.4  |
| 45°   | 368.6  | 370.5  | 370.5  | 371.4  | 371.4  | 371.4  | 372.3  | 372.3  | 371.4  | 370.5  | 372.3  |
| 47.5° | 354.7  | 354.7  | 351.9  | 351.0  | 350.0  | 348.2  | 349.1  | 348.2  | 347.3  | 346.3  | 348.2  |
| 50°   | 330.5  | 326.8  | 325.0  | 323.1  | 322.2  | 320.3  | 321.3  | 320.3  | 319.4  | 317.5  | 320.3  |
| 52.5° | 301.8  | 300.8  | 297.1  | 295.3  | 294.3  | 295.3  | 293.4  | 292.5  | 291.5  | 290.6  | 291.5  |
| 55°   | 273.9  | 270.2  | 269.3  | 267.4  | 266.5  | 267.4  | 266.5  | 265.5  | 264.6  | 263.7  | 264.6  |
| 57.5° | 248.8  | 246.0  | 245.1  | 243.3  | 243.3  | 243.3  | 243.3  | 242.3  | 241.4  | 240.5  | 241.4  |
| 60°   | 224.7  | 222.8  | 221.9  | 221.9  | 221.0  | 221.0  | 221.0  | 220.1  | 219.1  | 219.1  | 220.1  |
| 62.5° | 204.3  | 204.3  | 201.5  | 200.6  | 200.6  | 201.5  | 200.6  | 199.6  | 198.7  | 197.8  | 199.6  |
| 65°   | 182.9  | 179.2  | 178.3  | 176.4  | 174.6  | 175.5  | 174.6  | 173.6  | 172.7  | 171.8  | 173.6  |
| 67.5° | 156.9  | 156.0  | 152.3  | 150.4  | 149.5  | 150.4  | 149.5  | 148.6  | 147.6  | 146.7  | 148.6  |
| 70°   | 131.8  | 131.8  | 128.1  | 127.2  | 126.3  | 126.3  | 125.3  | 125.3  | 124.4  | 123.5  | 125.3  |
| 72.5° | 109.6  | 109.6  | 108.6  | 106.8  | 105.8  | 104.9  | 104.0  | 103.1  | 103.1  | 104.0  | 104.0  |
| 75°   | 91.0   | 89.1   | 85.4   | 86.3   | 85.4   | 84.5   | 84.5   | 83.6   | 82.6   | 84.5   | 83.6   |
| 77.5° | 71.5   | 70.6   | 67.8   | 68.7   | 67.8   | 66.9   | 66.9   | 65.9   | 65.0   | 65.9   | 65.9   |
| 80°   | 53.9   | 53.9   | 52.9   | 52.0   | 52.0   | 51.1   | 50.1   | 50.1   | 49.2   | 50.1   | 50.1   |
| 82.5° | 39.0   | 39.0   | 38.1   | 37.1   | 36.2   | 36.2   | 35.3   | 35.3   | 35.3   | 35.3   | 35.3   |
| 85°   | 25.1   | 24.1   | 24.1   | 22.3   | 22.3   | 22.3   | 21.4   | 21.4   | 21.4   | 21.4   | 21.4   |
| 87.5° | 12.1   | 12.1   | 11.1   | 11.1   | 10.2   | 9.3    | 9.3    | 8.4    | 8.4    | 9.3    | 9.3    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 277.5° | 280°   | 282.5° | 285°   | 287.5° | 290°   | 292.5° | 295°   | 297.5° | 300°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2096.5 | 2108.6 | 2098.4 | 2103.0 | 2104.0 | 2119.7 | 2118.8 | 2122.5 | 2116.0 | 2108.6 | 2098.4 |
| 5°    | 2203.3 | 2197.7 | 2190.3 | 2207.9 | 2198.7 | 2209.8 | 2213.5 | 2220.9 | 2220.9 | 2220.0 | 2211.7 |
| 7.5°  | 2066.8 | 2054.7 | 2064.0 | 2070.5 | 2073.3 | 2065.9 | 2080.7 | 2097.5 | 2111.4 | 2119.7 | 2120.7 |
| 10°   | 1960.0 | 1963.8 | 1962.8 | 1965.6 | 1972.1 | 1971.2 | 1980.5 | 1989.8 | 1993.5 | 1999.0 | 2000.9 |
| 12.5° | 1909.9 | 1909.0 | 1910.8 | 1917.3 | 1921.0 | 1920.1 | 1929.4 | 1935.0 | 1936.8 | 1937.8 | 1936.8 |
| 15°   | 1870.0 | 1863.5 | 1868.1 | 1869.0 | 1871.8 | 1871.8 | 1883.0 | 1891.3 | 1895.0 | 1896.9 | 1895.0 |
| 17.5° | 1794.8 | 1779.0 | 1793.8 | 1793.8 | 1804.1 | 1802.2 | 1819.8 | 1833.8 | 1841.2 | 1846.8 | 1846.8 |
| 20°   | 1720.5 | 1713.1 | 1718.6 | 1716.8 | 1724.2 | 1723.3 | 1734.4 | 1743.7 | 1750.2 | 1754.8 | 1760.4 |
| 22.5° | 1690.8 | 1692.6 | 1684.3 | 1685.2 | 1685.2 | 1684.3 | 1689.8 | 1694.5 | 1696.3 | 1699.1 | 1697.3 |
| 25°   | 1671.3 | 1673.1 | 1670.4 | 1665.7 | 1663.9 | 1665.7 | 1668.5 | 1674.1 | 1675.0 | 1673.1 | 1666.6 |
| 27.5° | 1651.8 | 1646.2 | 1650.9 | 1642.5 | 1640.6 | 1644.4 | 1648.1 | 1649.0 | 1649.9 | 1649.9 | 1644.4 |
| 30°   | 1622.1 | 1617.4 | 1622.1 | 1618.4 | 1614.6 | 1618.4 | 1621.1 | 1621.1 | 1623.0 | 1623.9 | 1617.4 |
| 32.5° | 1133.7 | 1143.0 | 1293.4 | 1384.4 | 1512.5 | 1577.5 | 1589.6 | 1589.6 | 1591.4 | 1591.4 | 1585.9 |
| 35°   | 386.3  | 387.2  | 418.7  | 454.0  | 529.2  | 622.1  | 743.7  | 806.9  | 1020.4 | 1275.7 | 1522.7 |
| 37.5° | 381.6  | 380.7  | 379.8  | 378.8  | 377.9  | 377.0  | 375.1  | 374.2  | 379.8  | 450.3  | 610.9  |
| 40°   | 383.5  | 382.5  | 380.7  | 379.8  | 378.8  | 377.0  | 376.0  | 374.2  | 372.3  | 370.5  | 368.6  |
| 42.5° | 383.5  | 382.5  | 381.6  | 380.7  | 379.8  | 378.8  | 377.0  | 375.1  | 373.3  | 370.5  | 367.7  |
| 45°   | 370.5  | 370.5  | 371.4  | 371.4  | 372.3  | 372.3  | 372.3  | 371.4  | 371.4  | 370.5  | 366.8  |
| 47.5° | 346.3  | 346.3  | 349.1  | 349.1  | 351.0  | 352.8  | 352.8  | 354.7  | 357.5  | 359.3  | 360.3  |
| 50°   | 318.5  | 318.5  | 321.3  | 322.2  | 324.0  | 326.8  | 329.6  | 330.5  | 333.3  | 337.0  | 340.8  |
| 52.5° | 290.6  | 290.6  | 293.4  | 293.4  | 295.3  | 298.0  | 300.8  | 301.8  | 305.5  | 309.2  | 313.8  |
| 55°   | 264.6  | 264.6  | 266.5  | 267.4  | 268.3  | 270.2  | 273.0  | 273.0  | 276.7  | 279.5  | 284.1  |
| 57.5° | 241.4  | 243.3  | 243.3  | 243.3  | 244.2  | 246.0  | 247.9  | 247.9  | 250.7  | 253.5  | 257.2  |
| 60°   | 219.1  | 221.0  | 221.0  | 221.0  | 221.9  | 222.8  | 224.7  | 224.7  | 226.6  | 228.4  | 232.1  |
| 62.5° | 198.7  | 200.6  | 200.6  | 201.5  | 201.5  | 202.4  | 204.3  | 203.3  | 205.2  | 206.1  | 208.9  |
| 65°   | 172.7  | 174.6  | 175.5  | 176.4  | 177.3  | 179.2  | 182.0  | 181.1  | 183.8  | 185.7  | 188.5  |
| 67.5° | 147.6  | 149.5  | 149.5  | 150.4  | 151.3  | 153.2  | 155.1  | 155.1  | 157.8  | 159.7  | 163.4  |
| 70°   | 124.4  | 126.3  | 126.3  | 127.2  | 128.1  | 130.0  | 131.8  | 130.9  | 133.7  | 135.6  | 138.3  |
| 72.5° | 103.1  | 104.9  | 104.9  | 105.8  | 105.8  | 107.7  | 109.6  | 111.4  | 111.4  | 113.3  | 115.1  |
| 75°   | 83.6   | 84.5   | 85.4   | 85.4   | 86.3   | 87.3   | 89.1   | 91.0   | 91.9   | 92.8   | 94.7   |
| 77.5° | 65.9   | 66.9   | 67.8   | 67.8   | 68.7   | 69.6   | 70.6   | 74.3   | 76.1   | 77.1   | 77.1   |
| 80°   | 50.1   | 51.1   | 51.1   | 51.1   | 52.0   | 52.9   | 54.8   | 54.8   | 58.5   | 58.5   | 59.4   |
| 82.5° | 35.3   | 36.2   | 36.2   | 36.2   | 37.1   | 39.0   | 39.9   | 40.9   | 42.7   | 43.6   | 43.6   |
| 85°   | 21.4   | 22.3   | 22.3   | 22.3   | 23.2   | 24.1   | 26.0   | 26.9   | 27.9   | 27.9   | 28.8   |
| 87.5° | 8.4    | 9.3    | 10.2   | 10.2   | 11.1   | 12.1   | 13.0   | 13.9   | 14.9   | 14.9   | 15.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 302.5° | 305°   | 307.5° | 310°   | 312.5° | 315°   | 317.5° | 320°   | 322.5° | 325°   | 327.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2087.2 | 2093.7 | 2087.2 | 2091.0 | 2095.6 | 2087.2 | 2067.7 | 2060.3 | 2057.5 | 2046.4 | 2039.0 |
| 5°    | 2203.3 | 2203.3 | 2200.5 | 2207.9 | 2207.0 | 2194.0 | 2173.6 | 2164.3 | 2155.0 | 2143.0 | 2133.7 |
| 7.5°  | 2120.7 | 2128.1 | 2132.7 | 2161.5 | 2180.1 | 2181.9 | 2194.9 | 2197.7 | 2201.4 | 2197.7 | 2192.2 |
| 10°   | 2001.8 | 1999.0 | 2012.0 | 2039.0 | 2054.7 | 2063.1 | 2088.2 | 2100.2 | 2110.5 | 2130.9 | 2152.2 |
| 12.5° | 1935.0 | 1938.7 | 1944.3 | 1963.8 | 1978.6 | 1974.9 | 1985.1 | 1993.5 | 2005.5 | 2026.0 | 2056.6 |
| 15°   | 1890.4 | 1894.1 | 1899.7 | 1914.5 | 1923.8 | 1919.2 | 1924.8 | 1930.3 | 1938.7 | 1948.9 | 1967.5 |
| 17.5° | 1842.1 | 1848.6 | 1855.1 | 1870.9 | 1879.3 | 1878.3 | 1883.0 | 1884.8 | 1887.6 | 1894.1 | 1907.1 |
| 20°   | 1766.9 | 1787.3 | 1800.3 | 1821.7 | 1833.8 | 1831.9 | 1840.3 | 1843.0 | 1846.8 | 1853.3 | 1858.8 |
| 22.5° | 1698.2 | 1703.8 | 1710.3 | 1733.5 | 1753.9 | 1779.0 | 1784.6 | 1792.0 | 1801.3 | 1807.8 | 1813.3 |
| 25°   | 1659.2 | 1655.5 | 1658.3 | 1674.1 | 1685.2 | 1687.1 | 1695.4 | 1719.6 | 1744.6 | 1755.8 | 1768.8 |
| 27.5° | 1636.0 | 1632.3 | 1631.4 | 1638.8 | 1640.6 | 1636.0 | 1634.1 | 1641.6 | 1660.1 | 1678.7 | 1717.7 |
| 30°   | 1610.9 | 1606.3 | 1602.6 | 1609.1 | 1611.9 | 1605.4 | 1593.3 | 1586.8 | 1597.9 | 1602.6 | 1618.4 |
| 32.5° | 1581.2 | 1576.6 | 1574.7 | 1578.4 | 1580.3 | 1574.7 | 1561.7 | 1554.3 | 1552.4 | 1548.7 | 1552.4 |
| 35°   | 1547.8 | 1543.1 | 1540.4 | 1541.3 | 1545.0 | 1540.4 | 1529.2 | 1519.9 | 1515.3 | 1505.1 | 1497.7 |
| 37.5° | 797.6  | 1130.0 | 1467.0 | 1502.3 | 1506.0 | 1505.1 | 1493.9 | 1483.7 | 1479.1 | 1467.0 | 1463.3 |
| 40°   | 364.9  | 407.6  | 611.9  | 799.4  | 1153.2 | 1465.2 | 1454.9 | 1444.7 | 1436.4 | 1432.7 | 1418.7 |
| 42.5° | 364.0  | 364.9  | 365.8  | 361.2  | 447.5  | 762.3  | 1125.3 | 1404.8 | 1399.2 | 1389.9 | 1379.7 |
| 45°   | 364.0  | 359.3  | 363.0  | 357.5  | 359.3  | 358.4  | 446.6  | 720.5  | 1282.2 | 1339.8 | 1335.2 |
| 47.5° | 360.3  | 357.5  | 361.2  | 356.5  | 351.0  | 353.8  | 350.0  | 354.7  | 553.4  | 938.7  | 1286.0 |
| 50°   | 343.5  | 345.4  | 351.9  | 351.0  | 346.3  | 350.0  | 343.5  | 349.1  | 344.5  | 377.9  | 727.9  |
| 52.5° | 318.5  | 322.2  | 328.7  | 334.3  | 336.1  | 340.8  | 338.9  | 340.8  | 337.0  | 338.0  | 338.9  |
| 55°   | 288.8  | 293.4  | 299.0  | 307.3  | 311.0  | 318.5  | 324.0  | 326.8  | 331.5  | 330.5  | 323.1  |
| 57.5° | 260.9  | 265.5  | 270.2  | 278.5  | 286.9  | 290.6  | 300.8  | 306.4  | 318.5  | 315.7  | 313.8  |
| 60°   | 234.9  | 238.6  | 243.3  | 245.1  | 255.3  | 261.8  | 271.1  | 276.7  | 292.5  | 296.2  | 301.8  |
| 62.5° | 211.7  | 213.6  | 217.3  | 220.1  | 226.6  | 233.1  | 237.7  | 247.0  | 255.3  | 267.4  | 275.8  |
| 65°   | 190.3  | 192.2  | 195.0  | 196.8  | 197.8  | 207.1  | 209.8  | 220.1  | 222.8  | 235.8  | 243.3  |
| 67.5° | 166.2  | 169.9  | 173.6  | 175.5  | 177.3  | 182.9  | 184.8  | 189.4  | 195.9  | 201.5  | 210.8  |
| 70°   | 141.1  | 143.9  | 147.6  | 150.4  | 154.1  | 157.8  | 163.4  | 166.2  | 170.8  | 174.6  | 182.0  |
| 72.5° | 117.9  | 120.7  | 122.6  | 125.3  | 128.1  | 130.9  | 135.6  | 142.1  | 145.8  | 152.3  | 154.1  |
| 75°   | 95.6   | 98.4   | 100.3  | 102.1  | 104.9  | 106.8  | 108.6  | 115.1  | 118.8  | 124.4  | 130.0  |
| 77.5° | 78.9   | 78.9   | 80.8   | 86.3   | 85.4   | 85.4   | 87.3   | 91.0   | 93.8   | 97.5   | 103.1  |
| 80°   | 61.3   | 62.2   | 63.1   | 67.8   | 68.7   | 69.6   | 68.7   | 71.5   | 74.3   | 75.2   | 78.9   |
| 82.5° | 45.5   | 46.4   | 46.4   | 49.2   | 52.0   | 52.0   | 52.0   | 52.9   | 55.7   | 56.6   | 58.5   |
| 85°   | 30.6   | 31.6   | 32.5   | 33.4   | 35.3   | 36.2   | 37.1   | 37.1   | 39.0   | 39.9   | 40.9   |
| 87.5° | 16.7   | 18.6   | 19.5   | 20.4   | 21.4   | 22.3   | 23.2   | 24.1   | 25.1   | 26.0   | 26.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 332.5° | 335°   | 337.5° | 340°   | 342.5° | 345°   | 347.5° | 350°   | 352.5° | 355°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 | 2026.0 |
| 2.5°  | 2036.2 | 2031.5 | 2028.7 | 2021.3 | 2019.5 | 2007.4 | 2009.2 | 2007.4 | 2007.4 | 2010.2 | 2019.5 |
| 5°    | 2123.5 | 2101.2 | 2095.6 | 2079.8 | 2066.8 | 2044.5 | 2030.6 | 2023.2 | 2012.0 | 2007.4 | 2013.9 |
| 7.5°  | 2182.9 | 2166.2 | 2152.2 | 2138.3 | 2119.7 | 2093.7 | 2074.2 | 2052.0 | 2033.4 | 2015.7 | 2011.1 |
| 10°   | 2172.7 | 2191.2 | 2191.2 | 2182.9 | 2165.2 | 2139.2 | 2116.0 | 2088.2 | 2055.7 | 2027.8 | 2011.1 |
| 12.5° | 2086.3 | 2118.8 | 2144.8 | 2164.3 | 2181.9 | 2164.3 | 2141.1 | 2118.8 | 2082.6 | 2041.7 | 2011.1 |
| 15°   | 1991.6 | 2025.0 | 2057.5 | 2098.4 | 2141.1 | 2158.7 | 2157.8 | 2131.8 | 2099.3 | 2056.6 | 2013.9 |
| 17.5° | 1924.8 | 1948.0 | 1965.6 | 2010.2 | 2062.2 | 2107.7 | 2138.3 | 2140.2 | 2108.6 | 2070.5 | 2014.8 |
| 20°   | 1874.6 | 1891.3 | 1906.2 | 1931.3 | 1976.8 | 2032.5 | 2089.1 | 2120.7 | 2115.1 | 2073.3 | 2017.6 |
| 22.5° | 1829.1 | 1841.2 | 1853.3 | 1871.8 | 1908.0 | 1944.3 | 2010.2 | 2075.2 | 2103.0 | 2068.7 | 2014.8 |
| 25°   | 1783.6 | 1796.6 | 1805.9 | 1818.9 | 1847.7 | 1877.4 | 1923.8 | 2004.6 | 2066.8 | 2065.0 | 2009.2 |
| 27.5° | 1729.8 | 1747.4 | 1758.6 | 1776.2 | 1795.7 | 1818.0 | 1849.5 | 1925.7 | 2014.8 | 2046.4 | 1994.4 |
| 30°   | 1664.8 | 1690.8 | 1707.5 | 1727.0 | 1743.7 | 1763.2 | 1788.3 | 1834.7 | 1945.2 | 2010.2 | 1978.6 |
| 32.5° | 1571.0 | 1617.4 | 1654.6 | 1673.1 | 1691.7 | 1708.4 | 1730.7 | 1769.7 | 1859.8 | 1961.0 | 1961.0 |
| 35°   | 1504.2 | 1525.5 | 1558.9 | 1612.8 | 1636.0 | 1652.7 | 1673.1 | 1703.8 | 1761.3 | 1902.5 | 1932.2 |
| 37.5° | 1452.2 | 1460.5 | 1477.2 | 1530.1 | 1573.8 | 1600.7 | 1621.1 | 1640.6 | 1697.3 | 1822.6 | 1895.0 |
| 40°   | 1413.2 | 1410.4 | 1408.5 | 1433.6 | 1495.8 | 1538.5 | 1561.7 | 1581.2 | 1624.9 | 1727.0 | 1845.8 |
| 42.5° | 1367.7 | 1364.9 | 1355.6 | 1362.1 | 1392.7 | 1464.2 | 1499.5 | 1520.9 | 1557.1 | 1626.7 | 1792.0 |
| 45°   | 1320.3 | 1315.7 | 1312.0 | 1305.5 | 1316.6 | 1356.5 | 1428.9 | 1460.5 | 1480.9 | 1543.1 | 1724.2 |
| 47.5° | 1272.0 | 1265.5 | 1260.9 | 1255.3 | 1248.8 | 1267.4 | 1336.1 | 1392.7 | 1428.0 | 1467.0 | 1642.5 |
| 50°   | 1203.3 | 1211.7 | 1206.1 | 1199.6 | 1194.0 | 1190.3 | 1219.1 | 1312.0 | 1355.6 | 1387.2 | 1543.1 |
| 52.5° | 567.3  | 1103.0 | 1149.5 | 1143.0 | 1135.5 | 1129.0 | 1135.5 | 1206.1 | 1285.0 | 1310.1 | 1423.4 |
| 55°   | 323.1  | 491.2  | 1022.3 | 1080.8 | 1074.3 | 1065.0 | 1059.4 | 1083.5 | 1201.5 | 1234.9 | 1313.8 |
| 57.5° | 311.0  | 312.0  | 451.2  | 974.0  | 1010.2 | 1001.8 | 995.3  | 1000.9 | 1101.2 | 1157.8 | 1218.2 |
| 60°   | 300.8  | 300.8  | 300.8  | 430.8  | 931.3  | 934.1  | 925.7  | 916.4  | 960.1  | 1071.5 | 1121.6 |
| 62.5° | 278.5  | 284.1  | 286.9  | 286.9  | 425.2  | 862.6  | 854.2  | 851.4  | 853.3  | 967.5  | 1025.1 |
| 65°   | 249.8  | 262.8  | 268.3  | 272.0  | 272.0  | 446.6  | 780.9  | 776.2  | 769.7  | 813.4  | 927.6  |
| 67.5° | 218.2  | 231.2  | 243.3  | 250.7  | 251.6  | 260.0  | 466.1  | 699.2  | 689.9  | 690.8  | 823.6  |
| 70°   | 185.7  | 196.8  | 209.8  | 221.0  | 231.2  | 235.8  | 243.3  | 580.3  | 610.9  | 597.9  | 705.7  |
| 72.5° | 160.6  | 165.3  | 174.6  | 185.7  | 197.8  | 208.9  | 215.4  | 231.2  | 530.2  | 516.2  | 536.7  |
| 75°   | 133.7  | 137.4  | 143.9  | 151.3  | 160.6  | 173.6  | 184.8  | 195.9  | 281.3  | 432.7  | 429.9  |
| 77.5° | 104.0  | 110.5  | 117.9  | 122.6  | 127.2  | 136.5  | 151.3  | 162.5  | 173.6  | 292.5  | 344.5  |
| 80°   | 79.8   | 84.5   | 88.2   | 92.8   | 98.4   | 104.9  | 110.5  | 123.5  | 136.5  | 146.7  | 263.7  |
| 82.5° | 59.4   | 62.2   | 65.0   | 66.9   | 68.7   | 72.4   | 82.6   | 87.3   | 95.6   | 104.9  | 124.4  |
| 85°   | 41.8   | 43.6   | 45.5   | 46.4   | 47.4   | 48.3   | 52.0   | 52.9   | 61.3   | 63.1   | 75.2   |
| 87.5° | 26.9   | 27.9   | 29.7   | 30.6   | 30.6   | 31.6   | 32.5   | 32.5   | 32.5   | 30.6   | 37.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 357.5° | 360°   |
|-------|--------|--------|
| 0°    | 2026.0 | 2026.0 |
| 2.5°  | 2026.9 | 2041.7 |
| 5°    | 2024.1 | 2043.6 |
| 7.5°  | 2016.7 | 2035.2 |
| 10°   | 2005.5 | 2027.8 |
| 12.5° | 1993.5 | 2014.8 |
| 15°   | 1983.3 | 1999.0 |
| 17.5° | 1972.1 | 1981.4 |
| 20°   | 1957.3 | 1964.7 |
| 22.5° | 1942.4 | 1938.7 |
| 25°   | 1925.7 | 1917.3 |
| 27.5° | 1904.3 | 1888.5 |
| 30°   | 1884.8 | 1857.0 |
| 32.5° | 1866.3 | 1820.8 |
| 35°   | 1841.2 | 1783.6 |
| 37.5° | 1815.2 | 1745.6 |
| 40°   | 1784.6 | 1701.9 |
| 42.5° | 1752.1 | 1658.3 |
| 45°   | 1711.2 | 1616.5 |
| 47.5° | 1675.0 | 1566.4 |
| 50°   | 1624.9 | 1512.5 |
| 52.5° | 1563.6 | 1462.4 |
| 55°   | 1491.2 | 1401.1 |
| 57.5° | 1413.2 | 1337.0 |
| 60°   | 1329.6 | 1263.7 |
| 62.5° | 1228.4 | 1187.5 |
| 65°   | 1109.5 | 1100.3 |
| 67.5° | 954.5  | 1003.7 |
| 70°   | 782.7  | 893.2  |
| 72.5° | 654.6  | 776.2  |
| 75°   | 536.7  | 645.3  |
| 77.5° | 425.2  | 506.0  |
| 80°   | 265.5  | 370.5  |
| 82.5° | 178.3  | 243.3  |
| 85°   | 107.7  | 116.1  |
| 87.5° | 41.8   | 42.7   |
| 90°   | 0.0    | 0.0    |

(END OF REPORT)