

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: P1213160

Luminaire Tested: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

Issue Date: 3/29/2018

**Test Information**

Test Method: LM-79-2019  
Report Number: P1213160  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33518)  
Test Lab: INNOVATIONS CENTER-P3  
Issue Date: 3/29/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR LENSED  
Light Source: -  
Ballast/Driver: -

**Summary**

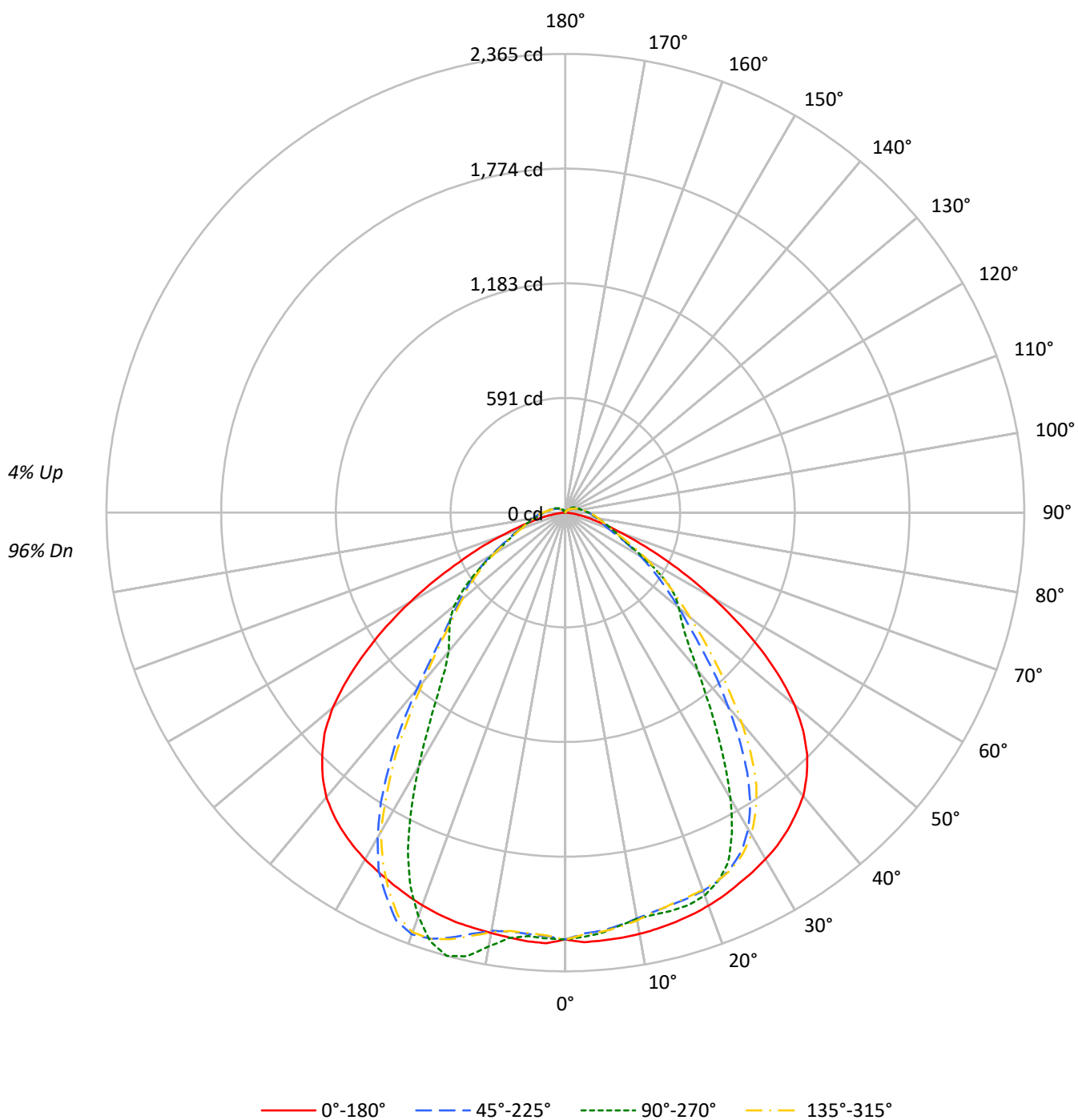
Lumens per Lamp: N/A  
Luminaire Lumens: 5246.0 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 55  
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: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

### Luminous Intensity Polar Plot



TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |    |    | 20 |    |    |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |    |    | 10 |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| 0   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 103 | 103 | 103 | 98 | 98 | 98 | 98 | 98 | 96 |
| 1   | 109 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 97  | 94  | 91  | 92  | 90  | 88  | 88 | 86 | 84 | 84 | 84 | 82 |
| 2   | 100 | 93  | 86  | 81  | 97  | 90  | 85  | 80  | 86  | 82  | 77  | 82  | 79  | 75  | 79 | 76 | 73 | 73 | 73 | 71 |
| 3   | 92  | 83  | 75  | 69  | 89  | 81  | 74  | 68  | 77  | 71  | 67  | 74  | 69  | 65  | 71 | 67 | 63 | 63 | 63 | 61 |
| 4   | 85  | 74  | 66  | 60  | 83  | 73  | 65  | 59  | 70  | 63  | 58  | 67  | 61  | 57  | 64 | 60 | 56 | 56 | 56 | 54 |
| 5   | 79  | 67  | 59  | 52  | 76  | 66  | 58  | 52  | 63  | 56  | 51  | 61  | 55  | 50  | 59 | 53 | 49 | 49 | 49 | 47 |
| 6   | 73  | 61  | 52  | 46  | 71  | 60  | 52  | 46  | 57  | 51  | 45  | 55  | 49  | 45  | 54 | 48 | 44 | 44 | 44 | 42 |
| 7   | 68  | 55  | 47  | 42  | 66  | 54  | 47  | 41  | 53  | 46  | 41  | 51  | 45  | 40  | 49 | 44 | 40 | 40 | 40 | 38 |
| 8   | 64  | 51  | 43  | 37  | 62  | 50  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 36  | 45 | 40 | 36 | 36 | 36 | 34 |
| 9   | 60  | 47  | 39  | 34  | 58  | 46  | 39  | 34  | 45  | 38  | 33  | 43  | 37  | 33  | 42 | 37 | 33 | 33 | 33 | 31 |
| 10  | 56  | 43  | 36  | 31  | 54  | 43  | 36  | 31  | 42  | 35  | 30  | 40  | 34  | 30  | 39 | 34 | 30 | 30 | 30 | 28 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 17783 | 17783 | 17783 | 17783 |
| 5°  | 17912 | 17078 | 17950 | 17212 |
| 10° | 17995 | 16368 | 17958 | 17478 |
| 15° | 18135 | 16149 | 18126 | 17981 |
| 20° | 18334 | 15892 | 18315 | 16753 |
| 25° | 18560 | 15077 | 18550 | 14568 |
| 30° | 18909 | 13067 | 18920 | 11576 |
| 35° | 19280 | 10566 | 19335 | 8941  |
| 40° | 19606 | 8508  | 19688 | 7495  |
| 45° | 19538 | 7207  | 19637 | 7017  |
| 50° | 18695 | 6634  | 18956 | 6487  |
| 55° | 16588 | 5964  | 17002 | 5421  |
| 60° | 13454 | 4564  | 14168 | 4186  |
| 65° | 10001 | 3492  | 10776 | 3312  |
| 70° | 6802  | 3015  | 7668  | 2882  |
| 75° | 4449  | 2719  | 5181  | 2572  |
| 80° | 2874  | 2536  | 3368  | 2334  |
| 85° | 1476  | 2531  | 1940  | 2312  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 19637 cd/sqm

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 209.0  | 4.0       |
| 10°-20°   | 621.9  | 11.9      |
| 20°-30°   | 945.5  | 18.0      |
| 30°-40°   | 1014.3 | 19.3      |
| 40°-50°   | 880.3  | 16.8      |
| 50°-60°   | 652.4  | 12.4      |
| 60°-70°   | 373.8  | 7.1       |
| 70°-80°   | 207.0  | 3.9       |
| 80°-90°   | 126.0  | 2.4       |
| 90°-100°  | 82.0   | 1.6       |
| 100°-110° | 54.9   | 1.0       |
| 110°-120° | 37.1   | 0.7       |
| 120°-130° | 22.7   | 0.4       |
| 130°-140° | 12.0   | 0.2       |
| 140°-150° | 5.5    | 0.1       |
| 150°-160° | 1.6    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 1776.5 | 33.9      |
| 0°-40°    | 2790.8 | 53.2      |
| 0°-60°    | 4323.5 | 82.4      |
| 0°-90°    | 5030.3 | 95.9      |
| 90°-120°  | 173.9  | 3.3       |
| 90°-150°  | 214.1  | 4.1       |
| 90°-180°  | 216.0  | 4.1       |
| 0°-180°   | 5246.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2201 | 2201 | 2201 | 2201 | 2201 |      |
| 5°   | 2214 | 2174 | 2219 | 2192 | 2214 | 211  |
| 15°  | 2186 | 2124 | 2185 | 2365 | 2186 | 618  |
| 25°  | 2112 | 1987 | 2111 | 1920 | 2112 | 976  |
| 35°  | 1997 | 1353 | 2003 | 1145 | 1997 | 1250 |
| 45°  | 1763 | 867  | 1772 | 844  | 1763 | 1350 |
| 55°  | 1230 | 650  | 1261 | 591  | 1230 | 1091 |
| 65°  | 558  | 330  | 601  | 313  | 558  | 563  |
| 75°  | 159  | 209  | 185  | 198  | 159  | 182  |
| 85°  | 22   | 144  | 28   | 132  | 22   | 28   |
| 90°  | 0    | 120  | 2    | 111  | 0    | 1    |
| 95°  | 1    | 99   | 0    | 94   | 1    | 1    |
| 105° | 1    | 74   | 1    | 70   | 1    | 1    |
| 115° | 1    | 60   | 1    | 55   | 1    | 1    |
| 125° | 1    | 46   | 1    | 38   | 1    | 1    |
| 135° | 1    | 28   | 1    | 24   | 1    | 1    |
| 145° | 1    | 17   | 2    | 14   | 1    | 1    |
| 155° | 2    | 8    | 2    | 7    | 2    | 1    |
| 165° | 0    | 0    | 0    | 0    | 0    | 0    |
| 175° | 0    | 0    | 0    | 0    | 0    | 0    |
| 180° | 0    | 0    | 0    | 0    | 0    | 0    |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 |
| 2.5°   | 2216.5 | 2210.8 | 2208.5 | 2204.0 | 2207.4 | 2221.0 | 2211.9 | 2197.2 | 2198.3 | 2172.1 | 2185.8 |
| 5°     | 2214.2 | 2207.4 | 2204.0 | 2199.4 | 2201.7 | 2214.2 | 2205.1 | 2190.3 | 2189.2 | 2163.1 | 2175.6 |
| 7.5°   | 2210.8 | 2204.0 | 2198.3 | 2194.9 | 2196.0 | 2206.2 | 2194.9 | 2177.8 | 2174.4 | 2146.0 | 2157.4 |
| 10°    | 2205.1 | 2200.6 | 2192.6 | 2186.9 | 2185.8 | 2197.2 | 2179.0 | 2161.9 | 2154.0 | 2124.4 | 2135.8 |
| 12.5°  | 2197.2 | 2190.3 | 2182.4 | 2172.1 | 2171.0 | 2177.8 | 2163.1 | 2139.2 | 2131.2 | 2107.4 | 2119.9 |
| 15°    | 2185.8 | 2177.8 | 2168.7 | 2157.4 | 2151.7 | 2156.2 | 2138.0 | 2116.5 | 2115.3 | 2094.9 | 2111.9 |
| 17.5°  | 2173.3 | 2161.9 | 2151.7 | 2135.8 | 2127.8 | 2131.2 | 2116.5 | 2097.1 | 2099.4 | 2086.9 | 2106.2 |
| 20°    | 2156.2 | 2143.7 | 2127.8 | 2111.9 | 2100.5 | 2106.2 | 2096.0 | 2081.2 | 2084.6 | 2075.5 | 2092.6 |
| 22.5°  | 2136.9 | 2119.9 | 2100.5 | 2082.4 | 2073.3 | 2081.2 | 2073.3 | 2060.8 | 2061.9 | 2056.2 | 2066.4 |
| 25°    | 2111.9 | 2092.6 | 2069.8 | 2047.1 | 2042.6 | 2048.3 | 2043.7 | 2033.5 | 2028.9 | 2019.8 | 2024.4 |
| 27.5°  | 2089.2 | 2067.6 | 2039.2 | 2015.3 | 2007.3 | 2018.7 | 2008.5 | 1991.4 | 1978.9 | 1966.4 | 1957.3 |
| 30°    | 2063.0 | 2036.9 | 2005.1 | 1977.8 | 1971.0 | 1975.5 | 1960.7 | 1934.6 | 1901.6 | 1885.7 | 1860.7 |
| 32.5°  | 2034.6 | 2000.5 | 1960.7 | 1930.0 | 1925.5 | 1922.1 | 1894.8 | 1857.3 | 1806.1 | 1774.3 | 1735.7 |
| 35°    | 1997.1 | 1959.6 | 1911.9 | 1874.3 | 1867.5 | 1848.2 | 1803.9 | 1753.9 | 1687.9 | 1633.4 | 1567.4 |
| 37.5°  | 1955.0 | 1910.7 | 1860.7 | 1810.7 | 1791.4 | 1752.7 | 1690.2 | 1637.9 | 1537.9 | 1472.0 | 1392.4 |
| 40°    | 1907.3 | 1853.9 | 1792.5 | 1732.3 | 1700.4 | 1637.9 | 1566.3 | 1489.0 | 1392.4 | 1303.7 | 1236.7 |
| 42.5°  | 1841.4 | 1784.5 | 1711.8 | 1644.7 | 1590.2 | 1507.2 | 1423.1 | 1314.0 | 1225.3 | 1150.3 | 1082.1 |
| 45°    | 1763.0 | 1694.8 | 1610.6 | 1529.9 | 1460.6 | 1361.7 | 1262.8 | 1153.7 | 1079.8 | 992.3  | 945.7  |
| 47.5°  | 1661.8 | 1587.9 | 1498.1 | 1408.3 | 1317.4 | 1208.3 | 1104.8 | 1000.3 | 926.4  | 863.9  | 829.8  |
| 50°    | 1542.4 | 1474.2 | 1375.4 | 1268.5 | 1168.5 | 1054.8 | 951.4  | 873.0  | 801.3  | 762.7  | 736.6  |
| 52.5°  | 1394.7 | 1331.0 | 1229.9 | 1113.9 | 1017.3 | 905.9  | 811.6  | 747.9  | 696.8  | 668.4  | 659.3  |
| 55°    | 1229.9 | 1174.2 | 1074.1 | 966.2  | 867.3  | 765.0  | 693.4  | 637.7  | 604.7  | 587.7  | 588.8  |
| 57.5°  | 1053.7 | 1010.5 | 916.1  | 819.5  | 726.3  | 649.0  | 584.2  | 539.9  | 514.9  | 513.8  | 517.2  |
| 60°    | 877.5  | 845.7  | 763.8  | 680.9  | 599.0  | 536.5  | 488.8  | 458.1  | 442.2  | 443.3  | 442.2  |
| 62.5°  | 709.3  | 679.7  | 620.6  | 552.4  | 487.6  | 445.6  | 402.4  | 389.9  | 376.2  | 375.1  | 375.1  |
| 65°    | 558.1  | 535.4  | 487.6  | 438.7  | 389.9  | 362.6  | 341.0  | 326.2  | 316.0  | 313.7  | 314.9  |
| 67.5°  | 419.4  | 410.3  | 377.4  | 344.4  | 313.7  | 296.7  | 278.5  | 275.1  | 267.1  | 267.1  | 269.4  |
| 70°    | 312.6  | 305.8  | 287.6  | 268.3  | 255.7  | 244.4  | 235.3  | 235.3  | 234.2  | 233.0  | 238.7  |
| 72.5°  | 226.2  | 227.3  | 221.6  | 206.9  | 205.7  | 203.5  | 201.2  | 204.6  | 205.7  | 209.1  | 216.0  |
| 75°    | 159.1  | 162.5  | 162.5  | 160.3  | 164.8  | 170.5  | 173.9  | 179.6  | 186.4  | 191.0  | 198.9  |
| 77.5°  | 112.5  | 112.5  | 118.2  | 125.0  | 134.1  | 144.4  | 153.4  | 161.4  | 170.5  | 176.2  | 183.0  |
| 80°    | 72.7   | 76.2   | 85.2   | 97.8   | 110.3  | 123.9  | 136.4  | 146.6  | 155.7  | 164.8  | 169.4  |
| 82.5°  | 43.2   | 48.9   | 60.2   | 76.2   | 92.1   | 109.1  | 121.6  | 134.1  | 144.4  | 153.4  | 156.9  |
| 85°    | 21.6   | 29.6   | 43.2   | 60.2   | 77.3   | 95.5   | 111.4  | 122.8  | 134.1  | 142.1  | 146.6  |
| 87.5°  | 6.8    | 15.9   | 30.7   | 46.6   | 64.8   | 83.0   | 100.0  | 112.5  | 122.8  | 129.6  | 134.1  |
| 90°    | 0.0    | 8.0    | 21.6   | 38.6   | 55.7   | 73.9   | 89.8   | 103.4  | 113.7  | 119.3  | 122.8  |
| 92.5°  | 0.0    | 4.5    | 17.0   | 31.8   | 47.7   | 65.9   | 81.8   | 94.3   | 103.4  | 109.1  | 111.4  |
| 95°    | 1.1    | 3.4    | 12.5   | 26.1   | 42.1   | 59.1   | 73.9   | 85.2   | 94.3   | 100.0  | 101.2  |
| 97.5°  | 1.1    | 2.3    | 10.2   | 21.6   | 36.4   | 52.3   | 67.1   | 78.4   | 85.2   | 90.9   | 92.1   |
| 100°   | 1.1    | 2.3    | 8.0    | 19.3   | 31.8   | 46.6   | 60.2   | 70.5   | 78.4   | 83.0   | 84.1   |
| 102.5° | 1.1    | 1.1    | 6.8    | 15.9   | 28.4   | 40.9   | 53.4   | 63.7   | 70.5   | 75.0   | 77.3   |
| 105°   | 1.1    | 1.1    | 5.7    | 13.6   | 25.0   | 36.4   | 47.7   | 58.0   | 63.7   | 68.2   | 70.5   |
| 107.5° | 1.1    | 1.1    | 4.5    | 11.4   | 21.6   | 31.8   | 43.2   | 51.1   | 58.0   | 62.5   | 64.8   |
| 110°   | 1.1    | 1.1    | 3.4    | 10.2   | 18.2   | 28.4   | 37.5   | 45.5   | 52.3   | 56.8   | 59.1   |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15° | 20°  | 25°  | 30°  | 35°  | 40°  | 45°  | 50°  |
|--------|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 112.5° | 1.1 | 1.1 | 3.4 | 9.1 | 15.9 | 25.0 | 33.0 | 40.9 | 46.6 | 51.1 | 54.6 |
| 115°   | 1.1 | 1.1 | 3.4 | 8.0 | 14.8 | 21.6 | 29.6 | 36.4 | 42.1 | 46.6 | 50.0 |
| 117.5° | 1.1 | 1.1 | 3.4 | 6.8 | 12.5 | 19.3 | 26.1 | 33.0 | 37.5 | 42.1 | 45.5 |
| 120°   | 1.1 | 1.1 | 2.3 | 5.7 | 11.4 | 17.0 | 22.7 | 28.4 | 34.1 | 38.6 | 42.1 |
| 122.5° | 1.1 | 1.1 | 2.3 | 5.7 | 9.1  | 14.8 | 20.5 | 25.0 | 30.7 | 34.1 | 37.5 |
| 125°   | 1.1 | 1.1 | 2.3 | 4.5 | 8.0  | 13.6 | 18.2 | 22.7 | 26.1 | 30.7 | 34.1 |
| 127.5° | 1.1 | 1.1 | 2.3 | 4.5 | 6.8  | 11.4 | 15.9 | 20.5 | 23.9 | 27.3 | 29.6 |
| 130°   | 1.1 | 1.1 | 2.3 | 3.4 | 5.7  | 9.1  | 13.6 | 17.0 | 21.6 | 23.9 | 26.1 |
| 132.5° | 1.1 | 1.1 | 1.1 | 3.4 | 4.5  | 6.8  | 10.2 | 14.8 | 18.2 | 21.6 | 22.7 |
| 135°   | 1.1 | 1.1 | 1.1 | 2.3 | 4.5  | 5.7  | 8.0  | 11.4 | 14.8 | 18.2 | 20.5 |
| 137.5° | 1.1 | 1.1 | 1.1 | 2.3 | 3.4  | 5.7  | 6.8  | 9.1  | 12.5 | 14.8 | 18.2 |
| 140°   | 1.1 | 1.1 | 1.1 | 2.3 | 3.4  | 4.5  | 5.7  | 8.0  | 10.2 | 12.5 | 14.8 |
| 142.5° | 1.1 | 1.1 | 1.1 | 2.3 | 2.3  | 3.4  | 4.5  | 6.8  | 8.0  | 10.2 | 12.5 |
| 145°   | 1.1 | 1.1 | 1.1 | 2.3 | 2.3  | 3.4  | 4.5  | 5.7  | 6.8  | 8.0  | 10.2 |
| 147.5° | 1.1 | 1.1 | 1.1 | 2.3 | 2.3  | 2.3  | 3.4  | 4.5  | 5.7  | 6.8  | 8.0  |
| 150°   | 2.3 | 2.3 | 2.3 | 2.3 | 2.3  | 2.3  | 3.4  | 3.4  | 4.5  | 5.7  | 6.8  |
| 152.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3  | 2.3  | 3.4  | 3.4  | 3.4  | 4.5  | 5.7  |
| 155°   | 2.3 | 2.3 | 2.3 | 2.3 | 2.3  | 2.3  | 2.3  | 3.4  | 3.4  | 4.5  | 4.5  |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 |
| 2.5°   | 2181.2 | 2183.5 | 2197.2 | 2196.0 | 2193.7 | 2191.5 | 2191.5 | 2189.2 | 2191.5 | 2197.2 | 2194.9 |
| 5°     | 2169.9 | 2173.3 | 2183.5 | 2182.4 | 2180.1 | 2179.0 | 2177.8 | 2174.4 | 2176.7 | 2184.7 | 2182.4 |
| 7.5°   | 2149.4 | 2152.8 | 2161.9 | 2157.4 | 2154.0 | 2156.2 | 2150.6 | 2147.1 | 2151.7 | 2159.6 | 2158.5 |
| 10°    | 2127.8 | 2130.1 | 2141.5 | 2139.2 | 2133.5 | 2134.6 | 2129.0 | 2126.7 | 2132.4 | 2136.9 | 2138.0 |
| 12.5°  | 2113.0 | 2121.0 | 2131.2 | 2130.1 | 2129.0 | 2130.1 | 2124.4 | 2122.1 | 2125.5 | 2130.1 | 2129.0 |
| 15°    | 2109.6 | 2119.9 | 2131.2 | 2131.2 | 2132.4 | 2133.5 | 2127.8 | 2124.4 | 2127.8 | 2131.2 | 2130.1 |
| 17.5°  | 2106.2 | 2118.7 | 2129.0 | 2127.8 | 2129.0 | 2131.2 | 2122.1 | 2119.9 | 2124.4 | 2129.0 | 2126.7 |
| 20°    | 2094.9 | 2106.2 | 2113.0 | 2110.8 | 2110.8 | 2111.9 | 2100.5 | 2100.5 | 2107.4 | 2110.8 | 2111.9 |
| 22.5°  | 2063.0 | 2076.7 | 2076.7 | 2071.0 | 2071.0 | 2066.4 | 2063.0 | 2056.2 | 2064.2 | 2069.8 | 2074.4 |
| 25°    | 2015.3 | 2021.0 | 2014.2 | 2001.6 | 1994.8 | 1989.1 | 1973.2 | 1986.9 | 1986.9 | 2003.9 | 2009.6 |
| 27.5°  | 1948.2 | 1935.7 | 1916.4 | 1890.3 | 1884.6 | 1866.4 | 1856.2 | 1859.6 | 1865.3 | 1889.1 | 1907.3 |
| 30°    | 1838.0 | 1800.5 | 1767.5 | 1756.1 | 1731.1 | 1712.9 | 1694.8 | 1703.8 | 1714.1 | 1727.7 | 1765.2 |
| 32.5°  | 1692.5 | 1656.1 | 1602.7 | 1583.4 | 1557.2 | 1534.5 | 1512.9 | 1526.5 | 1544.7 | 1553.8 | 1594.7 |
| 35°    | 1525.4 | 1482.2 | 1433.3 | 1400.4 | 1373.1 | 1360.6 | 1333.3 | 1352.6 | 1371.9 | 1378.8 | 1414.0 |
| 37.5°  | 1348.1 | 1303.7 | 1260.6 | 1232.1 | 1206.0 | 1198.0 | 1179.8 | 1193.5 | 1208.3 | 1218.5 | 1248.0 |
| 40°    | 1179.8 | 1138.9 | 1106.0 | 1086.6 | 1068.5 | 1061.6 | 1054.8 | 1060.5 | 1071.9 | 1079.8 | 1102.6 |
| 42.5°  | 1035.5 | 1002.5 | 979.8  | 968.4  | 955.9  | 946.8  | 948.0  | 950.2  | 955.9  | 973.0  | 983.2  |
| 45°    | 909.3  | 890.0  | 875.2  | 873.0  | 865.0  | 863.9  | 862.7  | 867.3  | 870.7  | 880.9  | 888.9  |
| 47.5°  | 808.2  | 800.2  | 796.8  | 801.3  | 804.8  | 800.2  | 802.5  | 808.2  | 815.0  | 815.0  | 813.8  |
| 50°    | 728.6  | 730.9  | 735.4  | 745.6  | 752.5  | 754.7  | 757.0  | 763.8  | 765.0  | 767.2  | 763.8  |
| 52.5°  | 663.8  | 666.1  | 678.6  | 694.5  | 702.5  | 705.9  | 710.4  | 717.2  | 717.2  | 719.5  | 715.0  |
| 55°    | 597.9  | 601.3  | 613.8  | 629.7  | 636.5  | 641.1  | 645.6  | 650.2  | 653.6  | 658.1  | 654.7  |
| 57.5°  | 525.1  | 535.4  | 543.3  | 547.9  | 552.4  | 555.8  | 559.2  | 560.4  | 567.2  | 568.3  | 574.0  |
| 60°    | 447.8  | 450.1  | 458.1  | 456.9  | 453.5  | 462.6  | 458.1  | 466.0  | 474.0  | 484.2  | 485.4  |
| 62.5°  | 374.0  | 375.1  | 380.8  | 378.5  | 383.1  | 381.9  | 385.3  | 385.3  | 391.0  | 395.6  | 401.2  |
| 65°    | 316.0  | 317.1  | 321.7  | 321.7  | 320.5  | 323.9  | 327.4  | 329.6  | 329.6  | 333.0  | 337.6  |
| 67.5°  | 272.8  | 276.2  | 280.8  | 283.0  | 285.3  | 285.3  | 288.7  | 289.8  | 292.1  | 293.3  | 295.5  |
| 70°    | 243.2  | 247.8  | 252.3  | 254.6  | 255.7  | 258.0  | 259.2  | 259.2  | 261.4  | 262.6  | 264.8  |
| 72.5°  | 221.6  | 226.2  | 229.6  | 229.6  | 231.9  | 233.0  | 233.0  | 234.2  | 235.3  | 237.6  | 239.8  |
| 75°    | 203.5  | 206.9  | 209.1  | 208.0  | 208.0  | 208.0  | 209.1  | 209.1  | 211.4  | 213.7  | 216.0  |
| 77.5°  | 186.4  | 189.8  | 189.8  | 187.5  | 187.5  | 187.5  | 187.5  | 188.7  | 189.8  | 192.1  | 194.4  |
| 80°    | 173.9  | 173.9  | 172.8  | 172.8  | 170.5  | 169.4  | 169.4  | 170.5  | 170.5  | 172.8  | 176.2  |
| 82.5°  | 160.3  | 160.3  | 159.1  | 158.0  | 156.9  | 155.7  | 155.7  | 156.9  | 158.0  | 159.1  | 161.4  |
| 85°    | 147.8  | 147.8  | 145.5  | 145.5  | 144.4  | 144.4  | 144.4  | 144.4  | 145.5  | 146.6  | 148.9  |
| 87.5°  | 135.3  | 134.1  | 133.0  | 131.9  | 131.9  | 131.9  | 131.9  | 131.9  | 133.0  | 135.3  | 136.4  |
| 90°    | 122.8  | 121.6  | 120.5  | 120.5  | 119.3  | 119.3  | 120.5  | 120.5  | 121.6  | 122.8  | 123.9  |
| 92.5°  | 111.4  | 110.3  | 109.1  | 109.1  | 108.0  | 108.0  | 109.1  | 108.0  | 110.3  | 110.3  | 111.4  |
| 95°    | 101.2  | 100.0  | 98.9   | 98.9   | 98.9   | 98.9   | 98.9   | 98.9   | 100.0  | 100.0  | 101.2  |
| 97.5°  | 92.1   | 90.9   | 89.8   | 89.8   | 90.9   | 89.8   | 90.9   | 90.9   | 90.9   | 92.1   | 93.2   |
| 100°   | 84.1   | 83.0   | 83.0   | 84.1   | 83.0   | 83.0   | 84.1   | 84.1   | 84.1   | 84.1   | 85.2   |
| 102.5° | 77.3   | 77.3   | 77.3   | 77.3   | 77.3   | 77.3   | 78.4   | 78.4   | 78.4   | 78.4   | 79.6   |
| 105°   | 70.5   | 71.6   | 71.6   | 71.6   | 72.7   | 72.7   | 72.7   | 73.9   | 73.9   | 73.9   | 73.9   |
| 107.5° | 65.9   | 67.1   | 67.1   | 68.2   | 68.2   | 69.3   | 69.3   | 69.3   | 69.3   | 70.5   | 70.5   |
| 110°   | 61.4   | 62.5   | 63.7   | 64.8   | 64.8   | 65.9   | 65.9   | 65.9   | 65.9   | 65.9   | 65.9   |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  | 90°  | 95°  | 100° | 105° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 56.8 | 58.0 | 59.1 | 61.4 | 62.5 | 62.5 | 62.5 | 62.5 | 63.7 | 63.7 | 62.5 |
| 115°   | 52.3 | 54.6 | 55.7 | 58.0 | 59.1 | 59.1 | 60.2 | 60.2 | 60.2 | 60.2 | 59.1 |
| 117.5° | 47.7 | 51.1 | 52.3 | 54.6 | 55.7 | 55.7 | 56.8 | 56.8 | 56.8 | 56.8 | 55.7 |
| 120°   | 44.3 | 46.6 | 48.9 | 50.0 | 51.1 | 52.3 | 52.3 | 53.4 | 53.4 | 53.4 | 52.3 |
| 122.5° | 40.9 | 43.2 | 45.5 | 46.6 | 47.7 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| 125°   | 36.4 | 38.6 | 40.9 | 42.1 | 43.2 | 44.3 | 44.3 | 45.5 | 45.5 | 45.5 | 44.3 |
| 127.5° | 33.0 | 35.2 | 36.4 | 38.6 | 39.8 | 39.8 | 40.9 | 40.9 | 40.9 | 40.9 | 39.8 |
| 130°   | 28.4 | 30.7 | 33.0 | 34.1 | 35.2 | 35.2 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| 132.5° | 25.0 | 27.3 | 28.4 | 30.7 | 30.7 | 31.8 | 31.8 | 33.0 | 33.0 | 33.0 | 31.8 |
| 135°   | 22.7 | 23.9 | 25.0 | 27.3 | 27.3 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| 137.5° | 20.5 | 21.6 | 22.7 | 23.9 | 23.9 | 25.0 | 25.0 | 25.0 | 25.0 | 26.1 | 25.0 |
| 140°   | 17.0 | 19.3 | 20.5 | 20.5 | 21.6 | 21.6 | 21.6 | 22.7 | 22.7 | 22.7 | 21.6 |
| 142.5° | 14.8 | 15.9 | 17.0 | 18.2 | 19.3 | 19.3 | 19.3 | 19.3 | 20.5 | 19.3 | 19.3 |
| 145°   | 11.4 | 13.6 | 14.8 | 15.9 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 147.5° | 9.1  | 10.2 | 12.5 | 13.6 | 13.6 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 |
| 150°   | 8.0  | 8.0  | 10.2 | 11.4 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
| 152.5° | 5.7  | 6.8  | 8.0  | 9.1  | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 |
| 155°   | 5.7  | 5.7  | 6.8  | 6.8  | 8.0  | 8.0  | 8.0  | 8.0  | 9.1  | 8.0  | 8.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 |
| 2.5°   | 2191.5 | 2190.3 | 2194.9 | 2190.3 | 2167.6 | 2176.7 | 2173.3 | 2185.8 | 2186.9 | 2190.3 | 2201.7 |
| 5°     | 2180.1 | 2180.1 | 2185.8 | 2181.2 | 2159.6 | 2168.7 | 2167.6 | 2180.1 | 2182.4 | 2184.7 | 2197.2 |
| 7.5°   | 2157.4 | 2158.5 | 2166.5 | 2163.1 | 2140.3 | 2154.0 | 2152.8 | 2167.6 | 2172.1 | 2176.7 | 2188.1 |
| 10°    | 2135.8 | 2134.6 | 2143.7 | 2140.3 | 2118.7 | 2134.6 | 2133.5 | 2148.3 | 2155.1 | 2163.1 | 2176.7 |
| 12.5°  | 2124.4 | 2121.0 | 2124.4 | 2121.0 | 2097.1 | 2109.6 | 2110.8 | 2127.8 | 2135.8 | 2146.0 | 2161.9 |
| 15°    | 2124.4 | 2118.7 | 2118.7 | 2111.9 | 2084.6 | 2092.6 | 2093.7 | 2105.1 | 2115.3 | 2125.5 | 2144.9 |
| 17.5°  | 2122.1 | 2116.5 | 2115.3 | 2109.6 | 2080.1 | 2080.1 | 2078.9 | 2086.9 | 2092.6 | 2102.8 | 2123.3 |
| 20°    | 2109.6 | 2107.4 | 2106.2 | 2102.8 | 2075.5 | 2071.0 | 2068.7 | 2068.7 | 2072.1 | 2075.5 | 2096.0 |
| 22.5°  | 2076.7 | 2078.9 | 2081.2 | 2083.5 | 2061.9 | 2053.9 | 2055.1 | 2052.8 | 2049.4 | 2049.4 | 2066.4 |
| 25°    | 2015.3 | 2026.7 | 2035.7 | 2046.0 | 2033.5 | 2027.8 | 2034.6 | 2031.2 | 2025.5 | 2021.0 | 2035.7 |
| 27.5°  | 1917.5 | 1941.4 | 1960.7 | 1985.7 | 1986.9 | 1982.3 | 2000.5 | 1998.2 | 1997.1 | 1990.3 | 2001.6 |
| 30°    | 1782.3 | 1819.8 | 1845.9 | 1882.3 | 1913.0 | 1917.5 | 1948.2 | 1952.8 | 1957.3 | 1953.9 | 1965.3 |
| 32.5°  | 1618.6 | 1669.7 | 1714.1 | 1770.9 | 1800.5 | 1826.6 | 1869.8 | 1888.0 | 1906.2 | 1911.9 | 1924.4 |
| 35°    | 1440.1 | 1498.1 | 1550.4 | 1612.9 | 1659.5 | 1716.3 | 1768.6 | 1795.9 | 1836.8 | 1852.7 | 1870.9 |
| 37.5°  | 1270.8 | 1325.3 | 1376.5 | 1439.0 | 1514.0 | 1573.1 | 1637.9 | 1699.3 | 1755.0 | 1777.7 | 1805.0 |
| 40°    | 1120.7 | 1165.1 | 1213.9 | 1268.5 | 1336.7 | 1414.0 | 1484.5 | 1569.7 | 1635.6 | 1681.1 | 1720.9 |
| 42.5°  | 1007.1 | 1028.7 | 1070.7 | 1119.6 | 1174.2 | 1252.6 | 1324.2 | 1419.7 | 1499.2 | 1564.0 | 1630.0 |
| 45°    | 905.9  | 916.1  | 946.8  | 973.0  | 1028.7 | 1098.0 | 1174.2 | 1267.4 | 1350.3 | 1433.3 | 1512.9 |
| 47.5°  | 819.5  | 832.0  | 846.8  | 862.7  | 902.5  | 960.5  | 1026.4 | 1110.5 | 1193.5 | 1290.1 | 1381.0 |
| 50°    | 761.6  | 765.0  | 767.2  | 774.1  | 797.9  | 837.7  | 891.1  | 962.7  | 1042.3 | 1145.7 | 1242.4 |
| 52.5°  | 710.4  | 710.4  | 703.6  | 700.2  | 709.3  | 734.3  | 765.0  | 816.1  | 898.0  | 993.4  | 1095.7 |
| 55°    | 655.8  | 645.6  | 643.3  | 632.0  | 634.3  | 645.6  | 660.4  | 700.2  | 767.2  | 849.1  | 948.0  |
| 57.5°  | 579.7  | 575.1  | 575.1  | 570.6  | 561.5  | 567.2  | 570.6  | 599.0  | 646.8  | 717.2  | 803.6  |
| 60°    | 492.2  | 489.9  | 495.6  | 496.7  | 488.8  | 492.2  | 491.0  | 508.1  | 542.2  | 599.0  | 670.6  |
| 62.5°  | 404.6  | 414.9  | 416.0  | 420.6  | 416.0  | 414.9  | 420.6  | 435.3  | 452.4  | 495.6  | 551.3  |
| 65°    | 339.9  | 345.5  | 346.7  | 352.4  | 350.1  | 350.1  | 354.6  | 366.0  | 376.2  | 405.8  | 449.0  |
| 67.5°  | 297.8  | 295.5  | 296.7  | 300.1  | 296.7  | 295.5  | 298.9  | 305.8  | 313.7  | 331.9  | 362.6  |
| 70°    | 264.8  | 262.6  | 262.6  | 262.6  | 258.0  | 254.6  | 255.7  | 258.0  | 261.4  | 271.7  | 291.0  |
| 72.5°  | 239.8  | 239.8  | 236.4  | 233.0  | 229.6  | 227.3  | 225.1  | 222.8  | 221.6  | 225.1  | 235.3  |
| 75°    | 217.1  | 218.2  | 217.1  | 213.7  | 209.1  | 204.6  | 200.1  | 195.5  | 189.8  | 187.5  | 188.7  |
| 77.5°  | 196.6  | 197.8  | 198.9  | 197.8  | 193.2  | 187.5  | 180.7  | 173.9  | 166.0  | 158.0  | 153.4  |
| 80°    | 178.5  | 180.7  | 181.9  | 180.7  | 177.3  | 172.8  | 164.8  | 156.9  | 145.5  | 135.3  | 123.9  |
| 82.5°  | 162.5  | 166.0  | 167.1  | 167.1  | 164.8  | 160.3  | 151.2  | 142.1  | 129.6  | 115.9  | 101.2  |
| 85°    | 150.0  | 152.3  | 154.6  | 154.6  | 153.4  | 148.9  | 139.8  | 129.6  | 117.1  | 101.2  | 85.2   |
| 87.5°  | 137.5  | 138.7  | 140.9  | 143.2  | 140.9  | 136.4  | 128.4  | 117.1  | 104.6  | 88.7   | 70.5   |
| 90°    | 125.0  | 126.2  | 128.4  | 130.7  | 129.6  | 125.0  | 118.2  | 108.0  | 94.3   | 77.3   | 59.1   |
| 92.5°  | 112.5  | 114.8  | 115.9  | 117.1  | 118.2  | 114.8  | 109.1  | 98.9   | 85.2   | 68.2   | 51.1   |
| 95°    | 103.4  | 103.4  | 105.7  | 106.8  | 108.0  | 104.6  | 100.0  | 89.8   | 77.3   | 61.4   | 44.3   |
| 97.5°  | 94.3   | 94.3   | 96.6   | 96.6   | 97.8   | 95.5   | 90.9   | 81.8   | 69.3   | 54.6   | 37.5   |
| 100°   | 85.2   | 86.4   | 87.5   | 88.7   | 88.7   | 87.5   | 83.0   | 73.9   | 62.5   | 48.9   | 33.0   |
| 102.5° | 79.6   | 79.6   | 80.7   | 80.7   | 81.8   | 79.6   | 75.0   | 67.1   | 55.7   | 43.2   | 28.4   |
| 105°   | 73.9   | 73.9   | 75.0   | 75.0   | 73.9   | 71.6   | 67.1   | 60.2   | 50.0   | 37.5   | 25.0   |
| 107.5° | 69.3   | 69.3   | 69.3   | 69.3   | 68.2   | 65.9   | 61.4   | 53.4   | 44.3   | 34.1   | 22.7   |
| 110°   | 65.9   | 64.8   | 64.8   | 63.7   | 62.5   | 59.1   | 54.6   | 47.7   | 39.8   | 29.6   | 19.3   |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 62.5 | 61.4 | 60.2 | 59.1 | 56.8 | 53.4 | 48.9 | 43.2 | 35.2 | 26.1 | 17.0 |
| 115°   | 59.1 | 58.0 | 56.8 | 54.6 | 52.3 | 48.9 | 44.3 | 38.6 | 30.7 | 22.7 | 14.8 |
| 117.5° | 55.7 | 54.6 | 52.3 | 50.0 | 47.7 | 44.3 | 39.8 | 34.1 | 27.3 | 20.5 | 13.6 |
| 120°   | 51.1 | 50.0 | 48.9 | 46.6 | 44.3 | 39.8 | 35.2 | 30.7 | 23.9 | 18.2 | 11.4 |
| 122.5° | 47.7 | 46.6 | 44.3 | 43.2 | 39.8 | 36.4 | 31.8 | 27.3 | 21.6 | 15.9 | 10.2 |
| 125°   | 43.2 | 42.1 | 40.9 | 38.6 | 36.4 | 31.8 | 28.4 | 23.9 | 19.3 | 13.6 | 8.0  |
| 127.5° | 39.8 | 38.6 | 36.4 | 34.1 | 31.8 | 28.4 | 25.0 | 21.6 | 17.0 | 11.4 | 8.0  |
| 130°   | 35.2 | 34.1 | 33.0 | 30.7 | 28.4 | 25.0 | 22.7 | 18.2 | 14.8 | 10.2 | 6.8  |
| 132.5° | 30.7 | 30.7 | 29.6 | 27.3 | 25.0 | 22.7 | 19.3 | 15.9 | 12.5 | 9.1  | 5.7  |
| 135°   | 28.4 | 27.3 | 26.1 | 23.9 | 22.7 | 19.3 | 17.0 | 13.6 | 10.2 | 8.0  | 4.5  |
| 137.5° | 25.0 | 23.9 | 22.7 | 21.6 | 19.3 | 17.0 | 14.8 | 11.4 | 9.1  | 6.8  | 4.5  |
| 140°   | 21.6 | 20.5 | 20.5 | 18.2 | 17.0 | 14.8 | 12.5 | 10.2 | 8.0  | 5.7  | 3.4  |
| 142.5° | 19.3 | 18.2 | 17.0 | 15.9 | 14.8 | 12.5 | 10.2 | 8.0  | 6.8  | 4.5  | 3.4  |
| 145°   | 17.0 | 15.9 | 14.8 | 13.6 | 12.5 | 10.2 | 9.1  | 6.8  | 5.7  | 4.5  | 3.4  |
| 147.5° | 13.6 | 13.6 | 12.5 | 11.4 | 10.2 | 9.1  | 8.0  | 6.8  | 4.5  | 3.4  | 2.3  |
| 150°   | 11.4 | 11.4 | 10.2 | 9.1  | 9.1  | 8.0  | 6.8  | 5.7  | 4.5  | 3.4  | 2.3  |
| 152.5° | 10.2 | 9.1  | 9.1  | 8.0  | 8.0  | 6.8  | 5.7  | 4.5  | 3.4  | 3.4  | 2.3  |
| 155°   | 8.0  | 8.0  | 8.0  | 6.8  | 6.8  | 5.7  | 4.5  | 4.5  | 3.4  | 2.3  | 2.3  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 |
| 2.5°   | 2204.0 | 2190.3 | 2201.7 | 2222.2 | 2219.9 | 2217.6 | 2215.3 | 2219.9 | 2234.7 | 2226.7 | 2214.2 |
| 5°     | 2200.6 | 2186.9 | 2199.4 | 2218.8 | 2217.6 | 2214.2 | 2211.9 | 2216.5 | 2231.3 | 2223.3 | 2209.7 |
| 7.5°   | 2193.7 | 2181.2 | 2190.3 | 2209.7 | 2209.7 | 2207.4 | 2205.1 | 2209.7 | 2223.3 | 2216.5 | 2202.8 |
| 10°    | 2182.4 | 2173.3 | 2182.4 | 2200.6 | 2201.7 | 2197.2 | 2194.9 | 2200.6 | 2214.2 | 2210.8 | 2199.4 |
| 12.5°  | 2173.3 | 2164.2 | 2174.4 | 2192.6 | 2193.7 | 2189.2 | 2185.8 | 2192.6 | 2210.8 | 2213.1 | 2209.7 |
| 15°    | 2160.8 | 2152.8 | 2165.3 | 2184.7 | 2184.7 | 2181.2 | 2181.2 | 2190.3 | 2215.3 | 2225.6 | 2231.3 |
| 17.5°  | 2142.6 | 2136.9 | 2151.7 | 2171.0 | 2172.1 | 2169.9 | 2171.0 | 2189.2 | 2222.2 | 2247.2 | 2263.1 |
| 20°    | 2119.9 | 2117.6 | 2133.5 | 2154.0 | 2157.4 | 2158.5 | 2164.2 | 2191.5 | 2236.9 | 2271.0 | 2286.9 |
| 22.5°  | 2092.6 | 2093.7 | 2111.9 | 2133.5 | 2138.0 | 2141.5 | 2152.8 | 2191.5 | 2248.3 | 2284.7 | 2291.5 |
| 25°    | 2061.9 | 2065.3 | 2084.6 | 2110.8 | 2116.5 | 2123.3 | 2142.6 | 2192.6 | 2251.7 | 2275.6 | 2264.2 |
| 27.5°  | 2028.9 | 2035.7 | 2060.8 | 2088.0 | 2094.9 | 2106.2 | 2131.2 | 2185.8 | 2235.8 | 2236.9 | 2194.9 |
| 30°    | 1994.8 | 2002.8 | 2032.3 | 2064.2 | 2075.5 | 2086.9 | 2117.6 | 2169.9 | 2197.2 | 2160.8 | 2086.9 |
| 32.5°  | 1956.2 | 1967.5 | 1997.1 | 2035.7 | 2049.4 | 2064.2 | 2094.9 | 2139.2 | 2129.0 | 2050.5 | 1944.8 |
| 35°    | 1907.3 | 1923.2 | 1957.3 | 2002.8 | 2015.3 | 2034.6 | 2056.2 | 2066.4 | 2021.0 | 1909.6 | 1790.2 |
| 37.5°  | 1847.1 | 1870.9 | 1910.7 | 1963.0 | 1976.6 | 1989.1 | 1994.8 | 1966.4 | 1875.5 | 1755.0 | 1631.1 |
| 40°    | 1777.7 | 1814.1 | 1857.3 | 1915.3 | 1928.9 | 1928.9 | 1908.4 | 1848.2 | 1733.4 | 1575.4 | 1437.9 |
| 42.5°  | 1693.6 | 1737.9 | 1792.5 | 1850.5 | 1864.1 | 1848.2 | 1799.3 | 1693.6 | 1562.9 | 1386.7 | 1241.2 |
| 45°    | 1591.3 | 1650.4 | 1711.8 | 1772.0 | 1778.9 | 1743.6 | 1656.1 | 1522.0 | 1360.6 | 1196.9 | 1058.2 |
| 47.5°  | 1469.7 | 1547.0 | 1614.0 | 1682.2 | 1673.2 | 1614.0 | 1497.0 | 1344.7 | 1174.2 | 1019.6 | 908.2  |
| 50°    | 1333.3 | 1424.2 | 1499.2 | 1564.0 | 1544.7 | 1462.9 | 1325.3 | 1166.2 | 996.8  | 865.0  | 772.9  |
| 52.5°  | 1187.8 | 1292.4 | 1367.4 | 1419.7 | 1393.5 | 1295.8 | 1144.6 | 992.3  | 853.6  | 733.1  | 671.8  |
| 55°    | 1036.6 | 1142.3 | 1219.6 | 1260.6 | 1226.5 | 1120.7 | 971.8  | 833.2  | 702.5  | 624.0  | 587.7  |
| 57.5°  | 890.0  | 988.9  | 1061.6 | 1094.6 | 1051.4 | 945.7  | 808.2  | 691.1  | 596.7  | 530.8  | 512.6  |
| 60°    | 749.1  | 829.8  | 899.1  | 924.1  | 877.5  | 779.7  | 661.5  | 568.3  | 499.0  | 453.5  | 444.4  |
| 62.5°  | 618.3  | 684.3  | 738.8  | 758.1  | 712.7  | 636.5  | 534.2  | 464.9  | 416.0  | 393.3  | 381.9  |
| 65°    | 510.4  | 549.0  | 604.7  | 601.3  | 574.0  | 503.5  | 428.5  | 379.6  | 347.8  | 333.0  | 326.2  |
| 67.5°  | 401.2  | 436.5  | 471.7  | 476.3  | 442.2  | 393.3  | 344.4  | 309.2  | 292.1  | 284.2  | 280.8  |
| 70°    | 310.3  | 336.4  | 358.0  | 352.4  | 334.2  | 303.5  | 272.8  | 253.5  | 246.7  | 243.2  | 243.2  |
| 72.5°  | 241.0  | 254.6  | 264.8  | 258.0  | 246.7  | 230.7  | 216.0  | 208.0  | 209.1  | 211.4  | 213.7  |
| 75°    | 186.4  | 189.8  | 192.1  | 185.3  | 183.0  | 172.8  | 171.6  | 172.8  | 179.6  | 186.4  | 189.8  |
| 77.5°  | 143.2  | 138.7  | 135.3  | 128.4  | 129.6  | 128.4  | 134.1  | 143.2  | 153.4  | 163.7  | 172.8  |
| 80°    | 110.3  | 100.0  | 92.1   | 85.2   | 88.7   | 94.3   | 105.7  | 119.3  | 133.0  | 144.4  | 155.7  |
| 82.5°  | 85.2   | 70.5   | 59.1   | 52.3   | 59.1   | 68.2   | 83.0   | 100.0  | 115.9  | 128.4  | 140.9  |
| 85°    | 65.9   | 48.9   | 35.2   | 28.4   | 35.2   | 48.9   | 64.8   | 84.1   | 101.2  | 114.8  | 127.3  |
| 87.5°  | 51.1   | 35.2   | 19.3   | 11.4   | 19.3   | 34.1   | 52.3   | 70.5   | 87.5   | 103.4  | 115.9  |
| 90°    | 40.9   | 23.9   | 9.1    | 2.3    | 10.2   | 23.9   | 40.9   | 59.1   | 76.2   | 93.2   | 105.7  |
| 92.5°  | 33.0   | 17.0   | 4.5    | 0.0    | 5.7    | 18.2   | 34.1   | 51.1   | 68.2   | 84.1   | 96.6   |
| 95°    | 27.3   | 13.6   | 3.4    | 0.0    | 4.5    | 13.6   | 27.3   | 44.3   | 60.2   | 76.2   | 86.4   |
| 97.5°  | 22.7   | 10.2   | 2.3    | 0.0    | 2.3    | 11.4   | 22.7   | 37.5   | 53.4   | 68.2   | 78.4   |
| 100°   | 19.3   | 9.1    | 2.3    | 0.0    | 2.3    | 9.1    | 19.3   | 33.0   | 46.6   | 60.2   | 70.5   |
| 102.5° | 15.9   | 6.8    | 1.1    | 1.1    | 1.1    | 6.8    | 17.0   | 28.4   | 40.9   | 53.4   | 63.7   |
| 105°   | 14.8   | 5.7    | 1.1    | 1.1    | 1.1    | 5.7    | 14.8   | 25.0   | 36.4   | 47.7   | 56.8   |
| 107.5° | 12.5   | 4.5    | 1.1    | 1.1    | 1.1    | 4.5    | 12.5   | 21.6   | 33.0   | 43.2   | 51.1   |
| 110°   | 10.2   | 4.5    | 1.1    | 1.1    | 1.1    | 4.5    | 10.2   | 19.3   | 28.4   | 37.5   | 45.5   |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 9.1  | 3.4  | 1.1  | 1.1  | 1.1  | 3.4  | 9.1  | 17.0 | 25.0 | 34.1 | 40.9 |
| 115°   | 8.0  | 3.4  | 1.1  | 1.1  | 1.1  | 3.4  | 8.0  | 14.8 | 21.6 | 29.6 | 36.4 |
| 117.5° | 6.8  | 3.4  | 1.1  | 1.1  | 1.1  | 2.3  | 6.8  | 12.5 | 19.3 | 26.1 | 33.0 |
| 120°   | 5.7  | 2.3  | 1.1  | 1.1  | 1.1  | 2.3  | 5.7  | 11.4 | 17.0 | 22.7 | 28.4 |
| 122.5° | 5.7  | 2.3  | 1.1  | 1.1  | 1.1  | 2.3  | 4.5  | 9.1  | 14.8 | 19.3 | 25.0 |
| 125°   | 4.5  | 2.3  | 1.1  | 1.1  | 1.1  | 1.1  | 4.5  | 8.0  | 12.5 | 17.0 | 21.6 |
| 127.5° | 4.5  | 2.3  | 1.1  | 1.1  | 1.1  | 1.1  | 3.4  | 6.8  | 10.2 | 14.8 | 19.3 |
| 130°   | 3.4  | 2.3  | 1.1  | 1.1  | 1.1  | 1.1  | 2.3  | 5.7  | 9.1  | 12.5 | 15.9 |
| 132.5° | 3.4  | 2.3  | 1.1  | 1.1  | 1.1  | 1.1  | 2.3  | 4.5  | 6.8  | 10.2 | 13.6 |
| 135°   | 3.4  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 3.4  | 5.7  | 8.0  | 10.2 |
| 137.5° | 2.3  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 2.3  | 4.5  | 5.7  | 9.1  |
| 140°   | 2.3  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 2.3  | 3.4  | 4.5  | 6.8  |
| 142.5° | 2.3  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 2.3  | 3.4  | 5.7  |
| 145°   | 2.3  | 1.1  | 1.1  | 2.3  | 2.3  | 1.1  | 1.1  | 2.3  | 2.3  | 3.4  | 4.5  |
| 147.5° | 2.3  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 2.3  | 2.3  | 3.4  |
| 150°   | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 3.4  |
| 152.5° | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  |
| 155°   | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 |
| 2.5°   | 2211.9 | 2185.8 | 2199.4 | 2194.9 | 2199.4 | 2210.8 | 2209.7 | 2206.2 | 2208.5 | 2202.8 | 2197.2 |
| 5°     | 2207.4 | 2181.2 | 2194.9 | 2189.2 | 2194.9 | 2206.2 | 2204.0 | 2200.6 | 2204.0 | 2197.2 | 2191.5 |
| 7.5°   | 2201.7 | 2177.8 | 2193.7 | 2192.6 | 2202.8 | 2217.6 | 2218.8 | 2218.8 | 2226.7 | 2216.5 | 2211.9 |
| 10°    | 2201.7 | 2189.2 | 2210.8 | 2218.8 | 2244.9 | 2264.2 | 2266.5 | 2271.0 | 2284.7 | 2282.4 | 2271.0 |
| 12.5°  | 2225.6 | 2223.3 | 2255.1 | 2274.4 | 2298.3 | 2325.6 | 2340.4 | 2344.9 | 2354.0 | 2347.2 | 2342.6 |
| 15°    | 2256.3 | 2267.6 | 2302.9 | 2324.5 | 2350.6 | 2371.1 | 2374.5 | 2376.7 | 2383.6 | 2373.3 | 2365.4 |
| 17.5°  | 2297.2 | 2304.0 | 2332.4 | 2341.5 | 2358.6 | 2362.0 | 2357.4 | 2346.1 | 2346.1 | 2323.3 | 2316.5 |
| 20°    | 2316.5 | 2313.1 | 2324.5 | 2309.7 | 2302.9 | 2282.4 | 2263.1 | 2241.5 | 2240.3 | 2216.5 | 2214.2 |
| 22.5°  | 2299.5 | 2276.7 | 2252.9 | 2216.5 | 2200.6 | 2171.0 | 2144.9 | 2132.4 | 2124.4 | 2093.7 | 2085.8 |
| 25°    | 2239.2 | 2183.5 | 2148.3 | 2105.1 | 2066.4 | 2032.3 | 2007.3 | 1981.2 | 1956.2 | 1931.2 | 1919.8 |
| 27.5°  | 2134.6 | 2082.4 | 2025.5 | 1965.3 | 1911.9 | 1859.6 | 1817.5 | 1791.4 | 1767.5 | 1734.5 | 1717.5 |
| 30°    | 2006.2 | 1933.5 | 1870.9 | 1813.0 | 1725.4 | 1661.8 | 1626.6 | 1574.3 | 1556.1 | 1541.3 | 1509.5 |
| 32.5°  | 1855.0 | 1767.5 | 1682.2 | 1603.8 | 1514.0 | 1454.9 | 1408.3 | 1369.7 | 1358.3 | 1319.7 | 1310.6 |
| 35°    | 1687.9 | 1573.1 | 1476.5 | 1399.2 | 1334.4 | 1262.8 | 1224.2 | 1198.0 | 1175.3 | 1149.2 | 1144.6 |
| 37.5°  | 1491.3 | 1387.9 | 1278.7 | 1210.5 | 1159.4 | 1098.0 | 1068.5 | 1050.3 | 1040.0 | 1020.7 | 1017.3 |
| 40°    | 1293.5 | 1190.1 | 1115.1 | 1046.9 | 1015.0 | 982.1  | 960.5  | 952.5  | 948.0  | 941.2  | 934.3  |
| 42.5°  | 1113.9 | 1023.0 | 969.6  | 924.1  | 910.5  | 894.5  | 888.9  | 893.4  | 888.9  | 886.6  | 885.5  |
| 45°    | 961.6  | 892.3  | 854.8  | 841.1  | 837.7  | 833.2  | 837.7  | 845.7  | 846.8  | 844.5  | 844.5  |
| 47.5°  | 822.9  | 790.0  | 774.1  | 776.3  | 782.0  | 785.4  | 793.4  | 803.6  | 805.9  | 800.2  | 802.5  |
| 50°    | 732.0  | 712.7  | 709.3  | 718.4  | 730.9  | 735.4  | 744.5  | 752.5  | 751.3  | 749.1  | 746.8  |
| 52.5°  | 646.8  | 641.1  | 650.2  | 659.3  | 672.9  | 675.2  | 678.6  | 682.0  | 680.9  | 676.3  | 674.0  |
| 55°    | 575.1  | 579.7  | 587.7  | 591.1  | 601.3  | 600.2  | 601.3  | 601.3  | 596.7  | 594.5  | 591.1  |
| 57.5°  | 510.4  | 511.5  | 516.0  | 517.2  | 522.9  | 520.6  | 519.5  | 517.2  | 510.4  | 509.2  | 505.8  |
| 60°    | 444.4  | 442.2  | 452.4  | 444.4  | 449.0  | 444.4  | 443.3  | 437.6  | 430.8  | 429.7  | 427.4  |
| 62.5°  | 381.9  | 377.4  | 384.2  | 380.8  | 383.1  | 378.5  | 376.2  | 369.4  | 363.7  | 362.6  | 361.5  |
| 65°    | 326.2  | 323.9  | 330.8  | 329.6  | 331.9  | 326.2  | 323.9  | 319.4  | 314.9  | 313.7  | 312.6  |
| 67.5°  | 279.6  | 285.3  | 288.7  | 288.7  | 291.0  | 289.8  | 284.2  | 283.0  | 281.9  | 277.3  | 277.3  |
| 70°    | 245.5  | 248.9  | 255.7  | 256.9  | 255.7  | 258.0  | 253.5  | 252.3  | 251.2  | 248.9  | 247.8  |
| 72.5°  | 218.2  | 222.8  | 229.6  | 230.7  | 229.6  | 229.6  | 227.3  | 226.2  | 226.2  | 222.8  | 222.8  |
| 75°    | 196.6  | 202.3  | 208.0  | 208.0  | 208.0  | 205.7  | 203.5  | 203.5  | 201.2  | 200.1  | 197.8  |
| 77.5°  | 178.5  | 185.3  | 189.8  | 188.7  | 187.5  | 185.3  | 185.3  | 181.9  | 178.5  | 178.5  | 176.2  |
| 80°    | 164.8  | 169.4  | 172.8  | 171.6  | 170.5  | 167.1  | 166.0  | 162.5  | 160.3  | 156.9  | 156.9  |
| 82.5°  | 150.0  | 155.7  | 158.0  | 156.9  | 154.6  | 151.2  | 150.0  | 147.8  | 145.5  | 144.4  | 142.1  |
| 85°    | 137.5  | 143.2  | 144.4  | 142.1  | 139.8  | 137.5  | 136.4  | 135.3  | 134.1  | 131.9  | 131.9  |
| 87.5°  | 125.0  | 130.7  | 130.7  | 129.6  | 127.3  | 126.2  | 125.0  | 123.9  | 122.8  | 121.6  | 120.5  |
| 90°    | 114.8  | 119.3  | 119.3  | 118.2  | 117.1  | 115.9  | 114.8  | 113.7  | 112.5  | 111.4  | 111.4  |
| 92.5°  | 104.6  | 109.1  | 109.1  | 108.0  | 106.8  | 105.7  | 105.7  | 104.6  | 103.4  | 102.3  | 101.2  |
| 95°    | 95.5   | 100.0  | 100.0  | 100.0  | 98.9   | 97.8   | 97.8   | 96.6   | 95.5   | 95.5   | 94.3   |
| 97.5°  | 86.4   | 90.9   | 90.9   | 90.9   | 89.8   | 88.7   | 88.7   | 87.5   | 87.5   | 87.5   | 86.4   |
| 100°   | 78.4   | 81.8   | 83.0   | 83.0   | 81.8   | 81.8   | 81.8   | 80.7   | 80.7   | 80.7   | 79.6   |
| 102.5° | 70.5   | 73.9   | 76.2   | 76.2   | 76.2   | 75.0   | 75.0   | 75.0   | 75.0   | 75.0   | 73.9   |
| 105°   | 63.7   | 67.1   | 69.3   | 70.5   | 70.5   | 70.5   | 70.5   | 70.5   | 70.5   | 70.5   | 70.5   |
| 107.5° | 58.0   | 61.4   | 63.7   | 64.8   | 65.9   | 65.9   | 67.1   | 67.1   | 67.1   | 67.1   | 67.1   |
| 110°   | 52.3   | 55.7   | 59.1   | 60.2   | 61.4   | 62.5   | 62.5   | 63.7   | 62.5   | 62.5   | 62.5   |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 46.6 | 51.1 | 53.4 | 55.7 | 56.8 | 58.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| 115°   | 42.1 | 46.6 | 48.9 | 51.1 | 53.4 | 54.6 | 54.6 | 55.7 | 55.7 | 55.7 | 54.6 |
| 117.5° | 37.5 | 42.1 | 44.3 | 46.6 | 47.7 | 50.0 | 51.1 | 51.1 | 51.1 | 51.1 | 50.0 |
| 120°   | 34.1 | 37.5 | 39.8 | 42.1 | 44.3 | 45.5 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| 122.5° | 29.6 | 33.0 | 36.4 | 38.6 | 39.8 | 40.9 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 |
| 125°   | 26.1 | 29.6 | 31.8 | 34.1 | 35.2 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| 127.5° | 22.7 | 26.1 | 28.4 | 30.7 | 31.8 | 33.0 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 130°   | 19.3 | 22.7 | 25.0 | 27.3 | 28.4 | 29.6 | 29.6 | 30.7 | 30.7 | 30.7 | 30.7 |
| 132.5° | 17.0 | 19.3 | 21.6 | 23.9 | 25.0 | 26.1 | 26.1 | 27.3 | 27.3 | 27.3 | 27.3 |
| 135°   | 13.6 | 17.0 | 18.2 | 20.5 | 21.6 | 22.7 | 22.7 | 23.9 | 23.9 | 23.9 | 23.9 |
| 137.5° | 11.4 | 13.6 | 15.9 | 18.2 | 19.3 | 19.3 | 20.5 | 20.5 | 21.6 | 21.6 | 21.6 |
| 140°   | 9.1  | 10.2 | 13.6 | 14.8 | 15.9 | 17.0 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| 142.5° | 6.8  | 9.1  | 10.2 | 12.5 | 13.6 | 14.8 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 |
| 145°   | 5.7  | 6.8  | 8.0  | 10.2 | 11.4 | 12.5 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| 147.5° | 4.5  | 5.7  | 6.8  | 8.0  | 9.1  | 10.2 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 150°   | 3.4  | 4.5  | 5.7  | 5.7  | 6.8  | 8.0  | 9.1  | 10.2 | 10.2 | 10.2 | 10.2 |
| 152.5° | 3.4  | 3.4  | 4.5  | 4.5  | 5.7  | 6.8  | 8.0  | 8.0  | 8.0  | 8.0  | 8.0  |
| 155°   | 2.3  | 3.4  | 3.4  | 3.4  | 4.5  | 4.5  | 5.7  | 6.8  | 6.8  | 6.8  | 6.8  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 |
| 2.5°   | 2200.6 | 2205.1 | 2202.8 | 2199.4 | 2198.3 | 2204.0 | 2198.3 | 2172.1 | 2182.4 | 2183.5 | 2191.5 |
| 5°     | 2197.2 | 2200.6 | 2198.3 | 2196.0 | 2192.6 | 2199.4 | 2192.6 | 2165.3 | 2175.6 | 2176.7 | 2184.7 |
| 7.5°   | 2219.9 | 2221.0 | 2221.0 | 2215.3 | 2206.2 | 2209.7 | 2200.6 | 2169.9 | 2175.6 | 2175.6 | 2181.2 |
| 10°    | 2276.7 | 2279.0 | 2282.4 | 2267.6 | 2256.3 | 2247.2 | 2234.7 | 2197.2 | 2196.0 | 2186.9 | 2186.9 |
| 12.5°  | 2350.6 | 2344.9 | 2339.2 | 2332.4 | 2323.3 | 2312.0 | 2293.8 | 2249.4 | 2234.7 | 2219.9 | 2205.1 |
| 15°    | 2372.2 | 2369.9 | 2368.8 | 2365.4 | 2359.7 | 2356.3 | 2342.6 | 2298.3 | 2276.7 | 2258.5 | 2232.4 |
| 17.5°  | 2315.4 | 2319.9 | 2334.7 | 2335.8 | 2342.6 | 2356.3 | 2354.0 | 2323.3 | 2304.0 | 2296.0 | 2264.2 |
| 20°    | 2213.1 | 2214.2 | 2232.4 | 2240.3 | 2269.9 | 2292.6 | 2309.7 | 2306.3 | 2301.7 | 2310.8 | 2286.9 |
| 22.5°  | 2090.3 | 2098.3 | 2117.6 | 2130.1 | 2158.5 | 2184.7 | 2211.9 | 2226.7 | 2250.6 | 2288.1 | 2283.5 |
| 25°    | 1923.2 | 1933.5 | 1960.7 | 1981.2 | 2021.0 | 2060.8 | 2097.1 | 2123.3 | 2151.7 | 2223.3 | 2247.2 |
| 27.5°  | 1723.2 | 1739.1 | 1774.3 | 1794.8 | 1850.5 | 1891.4 | 1943.7 | 1994.8 | 2034.6 | 2116.5 | 2165.3 |
| 30°    | 1512.9 | 1526.5 | 1564.0 | 1592.5 | 1640.2 | 1695.9 | 1761.8 | 1834.6 | 1900.5 | 1983.5 | 2044.8 |
| 32.5°  | 1316.2 | 1331.0 | 1361.7 | 1386.7 | 1440.1 | 1486.7 | 1559.5 | 1649.3 | 1710.7 | 1825.5 | 1907.3 |
| 35°    | 1144.6 | 1158.3 | 1179.8 | 1201.4 | 1245.8 | 1293.5 | 1356.0 | 1443.6 | 1522.0 | 1641.3 | 1744.8 |
| 37.5°  | 1024.1 | 1026.4 | 1038.9 | 1051.4 | 1084.4 | 1120.7 | 1169.6 | 1246.9 | 1319.7 | 1448.1 | 1561.8 |
| 40°    | 937.7  | 937.7  | 944.6  | 948.0  | 962.7  | 984.3  | 1015.0 | 1075.3 | 1135.5 | 1233.3 | 1371.9 |
| 42.5°  | 884.3  | 882.0  | 882.0  | 883.2  | 882.0  | 892.3  | 910.5  | 938.9  | 992.3  | 1073.0 | 1181.0 |
| 45°    | 844.5  | 840.0  | 836.6  | 828.6  | 824.1  | 824.1  | 825.2  | 835.4  | 866.1  | 918.4  | 1005.9 |
| 47.5°  | 800.2  | 799.1  | 793.4  | 784.3  | 776.3  | 770.7  | 761.6  | 758.1  | 767.2  | 796.8  | 855.9  |
| 50°    | 749.1  | 743.4  | 737.7  | 730.9  | 721.8  | 716.1  | 699.0  | 700.2  | 692.2  | 705.9  | 736.6  |
| 52.5°  | 674.0  | 669.5  | 667.2  | 661.5  | 658.1  | 655.8  | 642.2  | 628.6  | 625.2  | 627.4  | 638.8  |
| 55°    | 591.1  | 593.3  | 584.2  | 588.8  | 587.7  | 577.4  | 571.7  | 561.5  | 558.1  | 557.0  | 562.6  |
| 57.5°  | 504.7  | 506.9  | 501.3  | 505.8  | 505.8  | 500.1  | 496.7  | 496.7  | 488.8  | 481.9  | 489.9  |
| 60°    | 426.2  | 421.7  | 425.1  | 430.8  | 430.8  | 427.4  | 425.1  | 425.1  | 419.4  | 417.2  | 422.8  |
| 62.5°  | 362.6  | 358.0  | 361.5  | 367.1  | 368.3  | 366.0  | 363.7  | 363.7  | 356.9  | 356.9  | 361.5  |
| 65°    | 313.7  | 314.9  | 313.7  | 318.3  | 318.3  | 319.4  | 317.1  | 314.9  | 306.9  | 310.3  | 309.2  |
| 67.5°  | 278.5  | 277.3  | 277.3  | 281.9  | 280.8  | 283.0  | 280.8  | 277.3  | 271.7  | 267.1  | 266.0  |
| 70°    | 248.9  | 247.8  | 247.8  | 250.1  | 251.2  | 251.2  | 250.1  | 247.8  | 239.8  | 235.3  | 231.9  |
| 72.5°  | 222.8  | 221.6  | 222.8  | 223.9  | 225.1  | 226.2  | 225.1  | 222.8  | 216.0  | 210.3  | 204.6  |
| 75°    | 198.9  | 197.8  | 201.2  | 201.2  | 202.3  | 202.3  | 203.5  | 202.3  | 196.6  | 189.8  | 183.0  |
| 77.5°  | 175.0  | 176.2  | 179.6  | 180.7  | 183.0  | 184.1  | 185.3  | 185.3  | 179.6  | 173.9  | 164.8  |
| 80°    | 155.7  | 158.0  | 160.3  | 161.4  | 163.7  | 167.1  | 168.2  | 169.4  | 164.8  | 159.1  | 148.9  |
| 82.5°  | 142.1  | 143.2  | 145.5  | 146.6  | 150.0  | 151.2  | 152.3  | 154.6  | 152.3  | 146.6  | 135.3  |
| 85°    | 130.7  | 131.9  | 134.1  | 134.1  | 136.4  | 138.7  | 139.8  | 140.9  | 139.8  | 134.1  | 122.8  |
| 87.5°  | 120.5  | 121.6  | 122.8  | 123.9  | 125.0  | 126.2  | 127.3  | 128.4  | 127.3  | 121.6  | 111.4  |
| 90°    | 111.4  | 111.4  | 112.5  | 112.5  | 113.7  | 114.8  | 117.1  | 117.1  | 115.9  | 111.4  | 101.2  |
| 92.5°  | 101.2  | 102.3  | 102.3  | 103.4  | 104.6  | 105.7  | 106.8  | 106.8  | 105.7  | 101.2  | 92.1   |
| 95°    | 94.3   | 94.3   | 95.5   | 95.5   | 96.6   | 96.6   | 97.8   | 97.8   | 96.6   | 92.1   | 83.0   |
| 97.5°  | 86.4   | 86.4   | 86.4   | 86.4   | 87.5   | 87.5   | 88.7   | 88.7   | 87.5   | 83.0   | 75.0   |
| 100°   | 79.6   | 79.6   | 79.6   | 79.6   | 79.6   | 80.7   | 80.7   | 80.7   | 79.6   | 75.0   | 67.1   |
| 102.5° | 73.9   | 73.9   | 73.9   | 73.9   | 73.9   | 73.9   | 73.9   | 73.9   | 71.6   | 68.2   | 60.2   |
| 105°   | 70.5   | 70.5   | 70.5   | 69.3   | 69.3   | 69.3   | 68.2   | 68.2   | 64.8   | 61.4   | 54.6   |
| 107.5° | 65.9   | 65.9   | 65.9   | 64.8   | 64.8   | 63.7   | 62.5   | 62.5   | 59.1   | 55.7   | 48.9   |
| 110°   | 62.5   | 62.5   | 62.5   | 61.4   | 60.2   | 59.1   | 58.0   | 56.8   | 53.4   | 48.9   | 43.2   |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 59.1 | 59.1 | 58.0 | 58.0 | 56.8 | 55.7 | 53.4 | 52.3 | 48.9 | 44.3 | 38.6 |
| 115°   | 54.6 | 54.6 | 54.6 | 53.4 | 52.3 | 51.1 | 50.0 | 47.7 | 44.3 | 39.8 | 34.1 |
| 117.5° | 50.0 | 50.0 | 50.0 | 48.9 | 47.7 | 46.6 | 45.5 | 43.2 | 39.8 | 35.2 | 30.7 |
| 120°   | 45.5 | 45.5 | 45.5 | 44.3 | 43.2 | 42.1 | 40.9 | 38.6 | 35.2 | 31.8 | 26.1 |
| 122.5° | 42.1 | 42.1 | 40.9 | 39.8 | 38.6 | 37.5 | 36.4 | 34.1 | 31.8 | 27.3 | 22.7 |
| 125°   | 37.5 | 37.5 | 36.4 | 36.4 | 35.2 | 34.1 | 33.0 | 30.7 | 27.3 | 23.9 | 20.5 |
| 127.5° | 34.1 | 33.0 | 33.0 | 33.0 | 31.8 | 30.7 | 28.4 | 27.3 | 23.9 | 20.5 | 17.0 |
| 130°   | 29.6 | 29.6 | 29.6 | 28.4 | 28.4 | 27.3 | 25.0 | 22.7 | 20.5 | 18.2 | 14.8 |
| 132.5° | 26.1 | 26.1 | 26.1 | 26.1 | 25.0 | 23.9 | 21.6 | 20.5 | 18.2 | 14.8 | 12.5 |
| 135°   | 23.9 | 23.9 | 22.7 | 22.7 | 21.6 | 20.5 | 19.3 | 17.0 | 14.8 | 12.5 | 10.2 |
| 137.5° | 20.5 | 20.5 | 20.5 | 19.3 | 19.3 | 18.2 | 15.9 | 14.8 | 13.6 | 11.4 | 9.1  |
| 140°   | 18.2 | 18.2 | 17.0 | 17.0 | 15.9 | 15.9 | 14.8 | 12.5 | 11.4 | 9.1  | 8.0  |
| 142.5° | 15.9 | 15.9 | 14.8 | 14.8 | 13.6 | 13.6 | 12.5 | 11.4 | 9.1  | 8.0  | 5.7  |
| 145°   | 13.6 | 13.6 | 12.5 | 12.5 | 12.5 | 11.4 | 10.2 | 9.1  | 8.0  | 6.8  | 5.7  |
| 147.5° | 11.4 | 11.4 | 11.4 | 10.2 | 10.2 | 9.1  | 9.1  | 8.0  | 6.8  | 5.7  | 4.5  |
| 150°   | 10.2 | 10.2 | 9.1  | 9.1  | 9.1  | 8.0  | 6.8  | 6.8  | 5.7  | 4.5  | 3.4  |
| 152.5° | 8.0  | 8.0  | 8.0  | 8.0  | 6.8  | 6.8  | 5.7  | 5.7  | 4.5  | 3.4  | 3.4  |
| 155°   | 6.8  | 6.8  | 6.8  | 5.7  | 5.7  | 5.7  | 4.5  | 4.5  | 3.4  | 3.4  | 2.3  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 | 2200.6 |
| 2.5°   | 2188.1 | 2186.9 | 2197.2 | 2196.0 | 2182.4 | 2202.8 | 2216.5 |
| 5°     | 2182.4 | 2181.2 | 2190.3 | 2192.6 | 2177.8 | 2199.4 | 2214.2 |
| 7.5°   | 2177.8 | 2176.7 | 2186.9 | 2190.3 | 2175.6 | 2194.9 | 2210.8 |
| 10°    | 2179.0 | 2173.3 | 2182.4 | 2184.7 | 2171.0 | 2191.5 | 2205.1 |
| 12.5°  | 2186.9 | 2173.3 | 2176.7 | 2176.7 | 2164.2 | 2182.4 | 2197.2 |
| 15°    | 2206.2 | 2177.8 | 2173.3 | 2169.9 | 2154.0 | 2171.0 | 2185.8 |
| 17.5°  | 2227.8 | 2189.2 | 2173.3 | 2161.9 | 2142.6 | 2157.4 | 2173.3 |
| 20°    | 2249.4 | 2201.7 | 2175.6 | 2157.4 | 2131.2 | 2144.9 | 2156.2 |
| 22.5°  | 2259.7 | 2213.1 | 2177.8 | 2150.6 | 2117.6 | 2124.4 | 2136.9 |
| 25°    | 2246.0 | 2208.5 | 2173.3 | 2140.3 | 2100.5 | 2101.7 | 2111.9 |
| 27.5°  | 2196.0 | 2185.8 | 2163.1 | 2130.1 | 2086.9 | 2081.2 | 2089.2 |
| 30°    | 2110.8 | 2139.2 | 2140.3 | 2116.5 | 2071.0 | 2059.6 | 2063.0 |
| 32.5°  | 1991.4 | 2055.1 | 2092.6 | 2088.0 | 2048.3 | 2032.3 | 2034.6 |
| 35°    | 1853.9 | 1933.5 | 2015.3 | 2042.6 | 2014.2 | 2001.6 | 1997.1 |
| 37.5°  | 1689.1 | 1795.9 | 1905.0 | 1972.1 | 1967.5 | 1959.6 | 1955.0 |
| 40°    | 1507.2 | 1635.6 | 1765.2 | 1872.1 | 1905.0 | 1905.0 | 1907.3 |
| 42.5°  | 1312.8 | 1462.9 | 1605.0 | 1740.2 | 1817.5 | 1834.6 | 1841.4 |
| 45°    | 1125.3 | 1276.5 | 1431.0 | 1586.8 | 1690.2 | 1743.6 | 1763.0 |
| 47.5°  | 954.8  | 1107.1 | 1253.7 | 1424.2 | 1561.8 | 1631.1 | 1661.8 |
| 50°    | 809.3  | 923.0  | 1077.5 | 1246.9 | 1396.9 | 1482.2 | 1542.4 |
| 52.5°  | 688.8  | 777.5  | 912.7  | 1070.7 | 1221.9 | 1339.0 | 1394.7 |
| 55°    | 587.7  | 647.9  | 762.7  | 899.1  | 1043.4 | 1165.1 | 1229.9 |
| 57.5°  | 502.4  | 550.1  | 628.6  | 742.2  | 863.9  | 984.3  | 1053.7 |
| 60°    | 427.4  | 460.3  | 513.8  | 603.6  | 707.0  | 810.4  | 877.5  |
| 62.5°  | 362.6  | 384.2  | 419.4  | 485.4  | 566.1  | 646.8  | 709.3  |
| 65°    | 312.6  | 321.7  | 341.0  | 381.9  | 443.3  | 504.7  | 558.1  |
| 67.5°  | 263.7  | 269.4  | 284.2  | 309.2  | 339.9  | 384.2  | 419.4  |
| 70°    | 227.3  | 227.3  | 228.5  | 243.2  | 259.2  | 287.6  | 312.6  |
| 72.5°  | 197.8  | 194.4  | 187.5  | 191.0  | 194.4  | 210.3  | 226.2  |
| 75°    | 173.9  | 166.0  | 154.6  | 150.0  | 147.8  | 150.0  | 159.1  |
| 77.5°  | 153.4  | 142.1  | 128.4  | 117.1  | 108.0  | 104.6  | 112.5  |
| 80°    | 136.4  | 122.8  | 106.8  | 92.1   | 77.3   | 69.3   | 72.7   |
| 82.5°  | 122.8  | 105.7  | 88.7   | 71.6   | 54.6   | 43.2   | 43.2   |
| 85°    | 108.0  | 92.1   | 73.9   | 55.7   | 38.6   | 23.9   | 21.6   |
| 87.5°  | 97.8   | 80.7   | 61.4   | 44.3   | 27.3   | 12.5   | 6.8    |
| 90°    | 87.5   | 70.5   | 52.3   | 35.2   | 19.3   | 5.7    | 0.0    |
| 92.5°  | 78.4   | 62.5   | 45.5   | 28.4   | 13.6   | 3.4    | 0.0    |
| 95°    | 70.5   | 55.7   | 38.6   | 23.9   | 11.4   | 2.3    | 1.1    |
| 97.5°  | 62.5   | 48.9   | 34.1   | 19.3   | 8.0    | 2.3    | 1.1    |
| 100°   | 56.8   | 43.2   | 29.6   | 15.9   | 6.8    | 1.1    | 1.1    |
| 102.5° | 50.0   | 38.6   | 25.0   | 13.6   | 5.7    | 1.1    | 1.1    |
| 105°   | 44.3   | 34.1   | 21.6   | 11.4   | 4.5    | 1.1    | 1.1    |
| 107.5° | 39.8   | 29.6   | 19.3   | 10.2   | 4.5    | 1.1    | 1.1    |
| 110°   | 35.2   | 26.1   | 17.0   | 9.1    | 3.4    | 1.1    | 1.1    |



TEST NUMBER: P1213160

CATALOG NUMBER: 4SNLED-LD5-66SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 31.8 | 22.7 | 14.8 | 8.0  | 2.3  | 1.1  | 1.1  |
| 115°   | 27.3 | 20.5 | 12.5 | 6.8  | 2.3  | 1.1  | 1.1  |
| 117.5° | 23.9 | 17.0 | 11.4 | 5.7  | 2.3  | 1.1  | 1.1  |
| 120°   | 20.5 | 14.8 | 9.1  | 4.5  | 1.1  | 1.1  | 1.1  |
| 122.5° | 18.2 | 12.5 | 8.0  | 4.5  | 1.1  | 1.1  | 1.1  |
| 125°   | 15.9 | 11.4 | 6.8  | 3.4  | 1.1  | 1.1  | 1.1  |
| 127.5° | 13.6 | 9.1  | 5.7  | 2.3  | 1.1  | 1.1  | 1.1  |
| 130°   | 11.4 | 8.0  | 4.5  | 2.3  | 1.1  | 1.1  | 1.1  |
| 132.5° | 9.1  | 6.8  | 4.5  | 2.3  | 1.1  | 1.1  | 1.1  |
| 135°   | 8.0  | 5.7  | 3.4  | 2.3  | 1.1  | 1.1  | 1.1  |
| 137.5° | 6.8  | 4.5  | 2.3  | 2.3  | 2.3  | 1.1  | 1.1  |
| 140°   | 5.7  | 3.4  | 2.3  | 2.3  | 2.3  | 2.3  | 1.1  |
| 142.5° | 4.5  | 3.4  | 2.3  | 2.3  | 2.3  | 2.3  | 1.1  |
| 145°   | 3.4  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 1.1  |
| 147.5° | 3.4  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 1.1  |
| 150°   | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  |
| 152.5° | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  |
| 155°   | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)