

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: P1213526

Luminaire Tested: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

Issue Date: 3/29/2018

**Test Information**

Test Method: LM-79-2019  
Report Number: P1213526  
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-LD5-76HL-LC-UNV-L935-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR LENSED  
Light Source: -  
Ballast/Driver: -

**Summary**

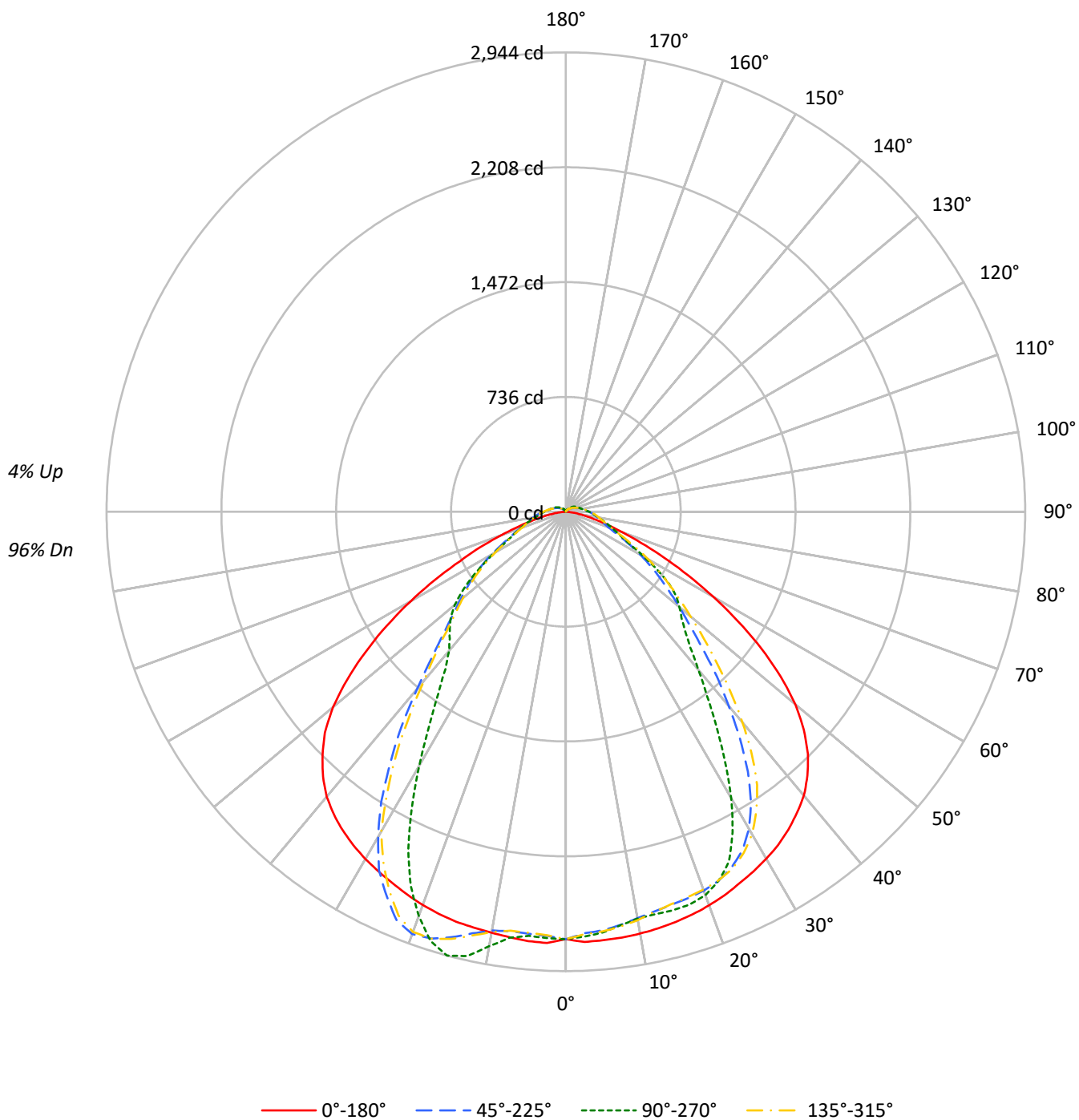
Lumens per Lamp: N/A  
Luminaire Lumens: 6530.0 lumens  
Efficiency: N/A  
Efficacy: 105.3 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 62  
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: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

### Luminous Intensity Polar Plot



TEST NUMBER: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

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

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

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 22136 | 22136 | 22136 | 22136 |
| 5°  | 22296 | 21258 | 22342 | 21425 |
| 10° | 22400 | 20374 | 22354 | 21757 |
| 15° | 22573 | 20101 | 22562 | 22381 |
| 20° | 22822 | 19783 | 22798 | 20852 |
| 25° | 23103 | 18767 | 23091 | 18133 |
| 30° | 23538 | 16265 | 23551 | 14409 |
| 35° | 23999 | 13153 | 24067 | 11130 |
| 40° | 24404 | 10590 | 24506 | 9330  |
| 45° | 24318 | 8970  | 24445 | 8735  |
| 50° | 23271 | 8259  | 23596 | 8075  |
| 55° | 20647 | 7423  | 21162 | 6748  |
| 60° | 16747 | 5682  | 17637 | 5210  |
| 65° | 12449 | 4347  | 13413 | 4122  |
| 70° | 8466  | 3752  | 9544  | 3587  |
| 75° | 5539  | 3385  | 6448  | 3202  |
| 80° | 3581  | 3156  | 4194  | 2905  |
| 85° | 1838  | 3149  | 2418  | 2876  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 24445 cd/sqm

TEST NUMBER: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 260.2  | 4.0       |
| 10°-20°   | 774.2  | 11.9      |
| 20°-30°   | 1176.9 | 18.0      |
| 30°-40°   | 1262.6 | 19.3      |
| 40°-50°   | 1095.8 | 16.8      |
| 50°-60°   | 812.1  | 12.4      |
| 60°-70°   | 465.3  | 7.1       |
| 70°-80°   | 257.7  | 3.9       |
| 80°-90°   | 156.9  | 2.4       |
| 90°-100°  | 102.0  | 1.6       |
| 100°-110° | 68.3   | 1.0       |
| 110°-120° | 46.1   | 0.7       |
| 120°-130° | 28.3   | 0.4       |
| 130°-140° | 14.9   | 0.2       |
| 140°-150° | 6.8    | 0.1       |
| 150°-160° | 2.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 2211.3 | 33.9      |
| 0°-40°    | 3473.8 | 53.2      |
| 0°-60°    | 5381.7 | 82.4      |
| 0°-90°    | 6261.5 | 95.9      |
| 90°-120°  | 216.5  | 3.3       |
| 90°-150°  | 266.5  | 4.1       |
| 90°-180°  | 268.0  | 4.1       |
| 0°-180°   | 6530.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2739 | 2739 | 2739 | 2739 | 2739 |      |
| 5°   | 2756 | 2707 | 2762 | 2728 | 2756 | 263  |
| 15°  | 2721 | 2644 | 2719 | 2944 | 2721 | 770  |
| 25°  | 2629 | 2473 | 2627 | 2390 | 2629 | 1215 |
| 35°  | 2486 | 1684 | 2493 | 1425 | 2486 | 1556 |
| 45°  | 2194 | 1080 | 2206 | 1051 | 2194 | 1680 |
| 55°  | 1531 | 809  | 1569 | 736  | 1531 | 1358 |
| 65°  | 695  | 410  | 748  | 389  | 695  | 700  |
| 75°  | 198  | 260  | 231  | 246  | 198  | 226  |
| 85°  | 27   | 180  | 35   | 164  | 27   | 35   |
| 90°  | 0    | 150  | 3    | 139  | 0    | 1    |
| 95°  | 1    | 123  | 0    | 117  | 1    | 1    |
| 105° | 1    | 92   | 1    | 88   | 1    | 1    |
| 115° | 1    | 75   | 1    | 68   | 1    | 1    |
| 125° | 1    | 57   | 1    | 47   | 1    | 1    |
| 135° | 1    | 35   | 1    | 30   | 1    | 1    |
| 145° | 1    | 21   | 3    | 17   | 1    | 1    |
| 155° | 3    | 10   | 3    | 8    | 3    | 1    |
| 165° | 0    | 0    | 0    | 0    | 0    | 0    |
| 175° | 0    | 0    | 0    | 0    | 0    | 0    |
| 180° | 0    | 0    | 0    | 0    | 0    | 0    |

TEST NUMBER: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 |
| 2.5°   | 2759.0 | 2751.9 | 2749.1 | 2743.4 | 2747.7 | 2764.6 | 2753.3 | 2734.9 | 2736.3 | 2703.8 | 2720.8 |
| 5°     | 2756.1 | 2747.7 | 2743.4 | 2737.8 | 2740.6 | 2756.1 | 2744.8 | 2726.4 | 2725.0 | 2692.5 | 2708.0 |
| 7.5°   | 2751.9 | 2743.4 | 2736.3 | 2732.1 | 2733.5 | 2746.2 | 2732.1 | 2710.9 | 2706.6 | 2671.3 | 2685.4 |
| 10°    | 2744.8 | 2739.2 | 2729.3 | 2722.2 | 2720.8 | 2734.9 | 2712.3 | 2691.1 | 2681.2 | 2644.4 | 2658.5 |
| 12.5°  | 2734.9 | 2726.4 | 2716.5 | 2703.8 | 2702.4 | 2710.9 | 2692.5 | 2662.8 | 2652.9 | 2623.2 | 2638.7 |
| 15°    | 2720.8 | 2710.9 | 2699.6 | 2685.4 | 2678.3 | 2684.0 | 2661.4 | 2634.5 | 2633.1 | 2607.6 | 2628.8 |
| 17.5°  | 2705.2 | 2691.1 | 2678.3 | 2658.5 | 2648.6 | 2652.9 | 2634.5 | 2610.4 | 2613.2 | 2597.7 | 2621.7 |
| 20°    | 2684.0 | 2668.4 | 2648.6 | 2628.8 | 2614.7 | 2621.7 | 2609.0 | 2590.6 | 2594.9 | 2583.5 | 2604.8 |
| 22.5°  | 2659.9 | 2638.7 | 2614.7 | 2592.0 | 2580.7 | 2590.6 | 2580.7 | 2565.1 | 2566.6 | 2559.5 | 2572.2 |
| 25°    | 2628.8 | 2604.8 | 2576.5 | 2548.2 | 2542.5 | 2549.6 | 2543.9 | 2531.2 | 2525.5 | 2514.2 | 2519.9 |
| 27.5°  | 2600.5 | 2573.6 | 2538.3 | 2508.5 | 2498.6 | 2512.8 | 2500.1 | 2478.8 | 2463.3 | 2447.7 | 2436.4 |
| 30°    | 2568.0 | 2535.4 | 2495.8 | 2461.9 | 2453.4 | 2459.0 | 2440.6 | 2408.1 | 2367.1 | 2347.3 | 2316.1 |
| 32.5°  | 2532.6 | 2490.2 | 2440.6 | 2402.4 | 2396.8 | 2392.5 | 2358.6 | 2311.9 | 2248.2 | 2208.6 | 2160.5 |
| 35°    | 2485.9 | 2439.2 | 2379.8 | 2333.1 | 2324.6 | 2300.6 | 2245.4 | 2183.1 | 2101.1 | 2033.2 | 1951.1 |
| 37.5°  | 2433.6 | 2378.4 | 2316.1 | 2253.9 | 2229.8 | 2181.7 | 2103.9 | 2038.8 | 1914.3 | 1832.2 | 1733.2 |
| 40°    | 2374.1 | 2307.6 | 2231.2 | 2156.2 | 2116.6 | 2038.8 | 1949.7 | 1853.5 | 1733.2 | 1622.8 | 1539.4 |
| 42.5°  | 2292.1 | 2221.3 | 2130.8 | 2047.3 | 1979.4 | 1876.1 | 1771.4 | 1635.6 | 1525.2 | 1431.8 | 1346.9 |
| 45°    | 2194.4 | 2109.6 | 2004.9 | 1904.4 | 1818.1 | 1695.0 | 1571.9 | 1436.1 | 1344.1 | 1235.2 | 1177.2 |
| 47.5°  | 2068.5 | 1976.6 | 1864.8 | 1753.0 | 1639.8 | 1504.0 | 1375.2 | 1245.1 | 1153.1 | 1075.3 | 1032.8 |
| 50°    | 1920.0 | 1835.1 | 1712.0 | 1579.0 | 1454.5 | 1313.0 | 1184.2 | 1086.6 | 997.5  | 949.4  | 916.8  |
| 52.5°  | 1736.0 | 1656.8 | 1530.9 | 1386.6 | 1266.3 | 1127.6 | 1010.2 | 931.0  | 867.3  | 831.9  | 820.6  |
| 55°    | 1530.9 | 1461.6 | 1337.0 | 1202.6 | 1079.5 | 952.2  | 863.1  | 793.7  | 752.7  | 731.5  | 732.9  |
| 57.5°  | 1311.6 | 1257.8 | 1140.4 | 1020.1 | 904.1  | 807.9  | 727.2  | 672.1  | 640.9  | 639.5  | 643.8  |
| 60°    | 1092.3 | 1052.7 | 950.8  | 847.5  | 745.6  | 667.8  | 608.4  | 570.2  | 550.4  | 551.8  | 550.4  |
| 62.5°  | 882.9  | 846.1  | 772.5  | 687.6  | 607.0  | 554.6  | 500.9  | 485.3  | 468.3  | 466.9  | 466.9  |
| 65°    | 694.7  | 666.4  | 607.0  | 546.1  | 485.3  | 451.3  | 424.5  | 406.1  | 393.3  | 390.5  | 391.9  |
| 67.5°  | 522.1  | 510.8  | 469.7  | 428.7  | 390.5  | 369.3  | 346.6  | 342.4  | 332.5  | 332.5  | 335.3  |
| 70°    | 389.1  | 380.6  | 358.0  | 333.9  | 318.3  | 304.2  | 292.9  | 292.9  | 291.5  | 290.0  | 297.1  |
| 72.5°  | 281.6  | 283.0  | 275.9  | 257.5  | 256.1  | 253.3  | 250.4  | 254.7  | 256.1  | 260.3  | 268.8  |
| 75°    | 198.1  | 202.3  | 202.3  | 199.5  | 205.2  | 212.2  | 216.5  | 223.5  | 232.0  | 237.7  | 247.6  |
| 77.5°  | 140.1  | 140.1  | 147.1  | 155.6  | 167.0  | 179.7  | 191.0  | 200.9  | 212.2  | 219.3  | 227.8  |
| 80°    | 90.6   | 94.8   | 106.1  | 121.7  | 137.2  | 154.2  | 169.8  | 182.5  | 193.8  | 205.2  | 210.8  |
| 82.5°  | 53.8   | 60.8   | 75.0   | 94.8   | 114.6  | 135.8  | 151.4  | 167.0  | 179.7  | 191.0  | 195.3  |
| 85°    | 26.9   | 36.8   | 53.8   | 75.0   | 96.2   | 118.8  | 138.7  | 152.8  | 167.0  | 176.9  | 182.5  |
| 87.5°  | 8.5    | 19.8   | 38.2   | 58.0   | 80.6   | 103.3  | 124.5  | 140.1  | 152.8  | 161.3  | 167.0  |
| 90°    | 0.0    | 9.9    | 26.9   | 48.1   | 69.3   | 92.0   | 111.8  | 128.8  | 141.5  | 148.6  | 152.8  |
| 92.5°  | 0.0    | 5.7    | 21.2   | 39.6   | 59.4   | 82.1   | 101.9  | 117.4  | 128.8  | 135.8  | 138.7  |
| 95°    | 1.4    | 4.2    | 15.6   | 32.5   | 52.3   | 73.6   | 92.0   | 106.1  | 117.4  | 124.5  | 125.9  |
| 97.5°  | 1.4    | 2.8    | 12.7   | 26.9   | 45.3   | 65.1   | 83.5   | 97.6   | 106.1  | 113.2  | 114.6  |
| 100°   | 1.4    | 2.8    | 9.9    | 24.1   | 39.6   | 58.0   | 75.0   | 87.7   | 97.6   | 103.3  | 104.7  |
| 102.5° | 1.4    | 1.4    | 8.5    | 19.8   | 35.4   | 50.9   | 66.5   | 79.2   | 87.7   | 93.4   | 96.2   |
| 105°   | 1.4    | 1.4    | 7.1    | 17.0   | 31.1   | 45.3   | 59.4   | 72.2   | 79.2   | 84.9   | 87.7   |
| 107.5° | 1.4    | 1.4    | 5.7    | 14.1   | 26.9   | 39.6   | 53.8   | 63.7   | 72.2   | 77.8   | 80.6   |
| 110°   | 1.4    | 1.4    | 4.2    | 12.7   | 22.6   | 35.4   | 46.7   | 56.6   | 65.1   | 70.7   | 73.6   |

TEST NUMBER: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15°  | 20°  | 25°  | 30°  | 35°  | 40°  | 45°  | 50°  |
|--------|-----|-----|-----|------|------|------|------|------|------|------|------|
| 112.5° | 1.4 | 1.4 | 4.2 | 11.3 | 19.8 | 31.1 | 41.0 | 50.9 | 58.0 | 63.7 | 67.9 |
| 115°   | 1.4 | 1.4 | 4.2 | 9.9  | 18.4 | 26.9 | 36.8 | 45.3 | 52.3 | 58.0 | 62.3 |
| 117.5° | 1.4 | 1.4 | 4.2 | 8.5  | 15.6 | 24.1 | 32.5 | 41.0 | 46.7 | 52.3 | 56.6 |
| 120°   | 1.4 | 1.4 | 2.8 | 7.1  | 14.1 | 21.2 | 28.3 | 35.4 | 42.4 | 48.1 | 52.3 |
| 122.5° | 1.4 | 1.4 | 2.8 | 7.1  | 11.3 | 18.4 | 25.5 | 31.1 | 38.2 | 42.4 | 46.7 |
| 125°   | 1.4 | 1.4 | 2.8 | 5.7  | 9.9  | 17.0 | 22.6 | 28.3 | 32.5 | 38.2 | 42.4 |
| 127.5° | 1.4 | 1.4 | 2.8 | 5.7  | 8.5  | 14.1 | 19.8 | 25.5 | 29.7 | 34.0 | 36.8 |
| 130°   | 1.4 | 1.4 | 2.8 | 4.2  | 7.1  | 11.3 | 17.0 | 21.2 | 26.9 | 29.7 | 32.5 |
| 132.5° | 1.4 | 1.4 | 1.4 | 4.2  | 5.7  | 8.5  | 12.7 | 18.4 | 22.6 | 26.9 | 28.3 |
| 135°   | 1.4 | 1.4 | 1.4 | 2.8  | 5.7  | 7.1  | 9.9  | 14.1 | 18.4 | 22.6 | 25.5 |
| 137.5° | 1.4 | 1.4 | 1.4 | 2.8  | 4.2  | 7.1  | 8.5  | 11.3 | 15.6 | 18.4 | 22.6 |
| 140°   | 1.4 | 1.4 | 1.4 | 2.8  | 4.2  | 5.7  | 7.1  | 9.9  | 12.7 | 15.6 | 18.4 |
| 142.5° | 1.4 | 1.4 | 1.4 | 2.8  | 2.8  | 4.2  | 5.7  | 8.5  | 9.9  | 12.7 | 15.6 |
| 145°   | 1.4 | 1.4 | 1.4 | 2.8  | 2.8  | 4.2  | 5.7  | 7.1  | 8.5  | 9.9  | 12.7 |
| 147.5° | 1.4 | 1.4 | 1.4 | 2.8  | 2.8  | 2.8  | 4.2  | 5.7  | 7.1  | 8.5  | 9.9  |
| 150°   | 2.8 | 2.8 | 2.8 | 2.8  | 2.8  | 2.8  | 4.2  | 4.2  | 5.7  | 7.1  | 8.5  |
| 152.5° | 2.8 | 2.8 | 2.8 | 2.8  | 2.8  | 2.8  | 4.2  | 4.2  | 4.2  | 5.7  | 7.1  |
| 155°   | 2.8 | 2.8 | 2.8 | 2.8  | 2.8  | 2.8  | 2.8  | 4.2  | 4.2  | 5.7  | 5.7  |
| 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: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 |
| 2.5°   | 2715.1 | 2717.9 | 2734.9 | 2733.5 | 2730.7 | 2727.9 | 2727.9 | 2725.0 | 2727.9 | 2734.9 | 2732.1 |
| 5°     | 2701.0 | 2705.2 | 2717.9 | 2716.5 | 2713.7 | 2712.3 | 2710.9 | 2706.6 | 2709.5 | 2719.4 | 2716.5 |
| 7.5°   | 2675.5 | 2679.7 | 2691.1 | 2685.4 | 2681.2 | 2684.0 | 2676.9 | 2672.7 | 2678.3 | 2688.2 | 2686.8 |
| 10°    | 2648.6 | 2651.4 | 2665.6 | 2662.8 | 2655.7 | 2657.1 | 2650.0 | 2647.2 | 2654.3 | 2659.9 | 2661.4 |
| 12.5°  | 2630.2 | 2640.1 | 2652.9 | 2651.4 | 2650.0 | 2651.4 | 2644.4 | 2641.5 | 2645.8 | 2651.4 | 2650.0 |
| 15°    | 2626.0 | 2638.7 | 2652.9 | 2652.9 | 2654.3 | 2655.7 | 2648.6 | 2644.4 | 2648.6 | 2652.9 | 2651.4 |
| 17.5°  | 2621.7 | 2637.3 | 2650.0 | 2648.6 | 2650.0 | 2652.9 | 2641.5 | 2638.7 | 2644.4 | 2650.0 | 2647.2 |
| 20°    | 2607.6 | 2621.7 | 2630.2 | 2627.4 | 2627.4 | 2628.8 | 2614.7 | 2614.7 | 2623.2 | 2627.4 | 2628.8 |
| 22.5°  | 2568.0 | 2584.9 | 2584.9 | 2577.9 | 2577.9 | 2572.2 | 2568.0 | 2559.5 | 2569.4 | 2576.5 | 2582.1 |
| 25°    | 2508.5 | 2515.6 | 2507.1 | 2491.6 | 2483.1 | 2476.0 | 2456.2 | 2473.2 | 2473.2 | 2494.4 | 2501.5 |
| 27.5°  | 2425.1 | 2409.5 | 2385.5 | 2352.9 | 2345.8 | 2323.2 | 2310.5 | 2314.7 | 2321.8 | 2351.5 | 2374.1 |
| 30°    | 2287.8 | 2241.1 | 2200.1 | 2186.0 | 2154.8 | 2132.2 | 2109.6 | 2120.9 | 2133.6 | 2150.6 | 2197.3 |
| 32.5°  | 2106.7 | 2061.5 | 1995.0 | 1970.9 | 1938.4 | 1910.1 | 1883.2 | 1900.2 | 1922.8 | 1934.1 | 1985.0 |
| 35°    | 1898.7 | 1845.0 | 1784.1 | 1743.1 | 1709.2 | 1693.6 | 1659.6 | 1683.7 | 1707.7 | 1716.2 | 1760.1 |
| 37.5°  | 1678.0 | 1622.8 | 1569.1 | 1533.7 | 1501.2 | 1491.3 | 1468.6 | 1485.6 | 1504.0 | 1516.7 | 1553.5 |
| 40°    | 1468.6 | 1417.7 | 1376.7 | 1352.6 | 1330.0 | 1321.5 | 1313.0 | 1320.1 | 1334.2 | 1344.1 | 1372.4 |
| 42.5°  | 1288.9 | 1247.9 | 1219.6 | 1205.5 | 1189.9 | 1178.6 | 1180.0 | 1182.8 | 1189.9 | 1211.1 | 1223.9 |
| 45°    | 1131.9 | 1107.8 | 1089.4 | 1086.6 | 1076.7 | 1075.3 | 1073.9 | 1079.5 | 1083.8 | 1096.5 | 1106.4 |
| 47.5°  | 1006.0 | 996.1  | 991.8  | 997.5  | 1001.7 | 996.1  | 998.9  | 1006.0 | 1014.5 | 1014.5 | 1013.0 |
| 50°    | 906.9  | 909.8  | 915.4  | 928.1  | 936.6  | 939.5  | 942.3  | 950.8  | 952.2  | 955.0  | 950.8  |
| 52.5°  | 826.3  | 829.1  | 844.7  | 864.5  | 874.4  | 878.6  | 884.3  | 892.8  | 892.8  | 895.6  | 889.9  |
| 55°    | 744.2  | 748.5  | 764.0  | 783.8  | 792.3  | 798.0  | 803.6  | 809.3  | 813.5  | 819.2  | 815.0  |
| 57.5°  | 653.7  | 666.4  | 676.3  | 682.0  | 687.6  | 691.9  | 696.1  | 697.5  | 706.0  | 707.4  | 714.5  |
| 60°    | 557.5  | 560.3  | 570.2  | 568.8  | 564.5  | 575.8  | 570.2  | 580.1  | 590.0  | 602.7  | 604.1  |
| 62.5°  | 465.5  | 466.9  | 474.0  | 471.1  | 476.8  | 475.4  | 479.6  | 479.6  | 486.7  | 492.4  | 499.4  |
| 65°    | 393.3  | 394.7  | 400.4  | 400.4  | 399.0  | 403.2  | 407.5  | 410.3  | 410.3  | 414.6  | 420.2  |
| 67.5°  | 339.6  | 343.8  | 349.5  | 352.3  | 355.1  | 355.1  | 359.4  | 360.8  | 363.6  | 365.0  | 367.9  |
| 70°    | 302.8  | 308.4  | 314.1  | 316.9  | 318.3  | 321.2  | 322.6  | 322.6  | 325.4  | 326.8  | 329.7  |
| 72.5°  | 275.9  | 281.6  | 285.8  | 285.8  | 288.6  | 290.0  | 290.0  | 291.5  | 292.9  | 295.7  | 298.5  |
| 75°    | 253.3  | 257.5  | 260.3  | 258.9  | 258.9  | 258.9  | 260.3  | 260.3  | 263.2  | 266.0  | 268.8  |
| 77.5°  | 232.0  | 236.3  | 236.3  | 233.5  | 233.5  | 233.5  | 233.5  | 234.9  | 236.3  | 239.1  | 241.9  |
| 80°    | 216.5  | 216.5  | 215.1  | 215.1  | 212.2  | 210.8  | 210.8  | 212.2  | 212.2  | 215.1  | 219.3  |
| 82.5°  | 199.5  | 199.5  | 198.1  | 196.7  | 195.3  | 193.8  | 193.8  | 195.3  | 196.7  | 198.1  | 200.9  |
| 85°    | 183.9  | 183.9  | 181.1  | 181.1  | 179.7  | 179.7  | 179.7  | 179.7  | 181.1  | 182.5  | 185.3  |
| 87.5°  | 168.4  | 167.0  | 165.5  | 164.1  | 164.1  | 164.1  | 164.1  | 164.1  | 165.5  | 168.4  | 169.8  |
| 90°    | 152.8  | 151.4  | 150.0  | 150.0  | 148.6  | 148.6  | 150.0  | 150.0  | 151.4  | 152.8  | 154.2  |
| 92.5°  | 138.7  | 137.2  | 135.8  | 135.8  | 134.4  | 134.4  | 135.8  | 134.4  | 137.2  | 137.2  | 138.7  |
| 95°    | 125.9  | 124.5  | 123.1  | 123.1  | 123.1  | 123.1  | 123.1  | 123.1  | 124.5  | 124.5  | 125.9  |
| 97.5°  | 114.6  | 113.2  | 111.8  | 111.8  | 113.2  | 111.8  | 113.2  | 113.2  | 113.2  | 114.6  | 116.0  |
| 100°   | 104.7  | 103.3  | 103.3  | 104.7  | 103.3  | 103.3  | 104.7  | 104.7  | 104.7  | 104.7  | 106.1  |
| 102.5° | 96.2   | 96.2   | 96.2   | 96.2   | 96.2   | 96.2   | 97.6   | 97.6   | 97.6   | 97.6   | 99.0   |
| 105°   | 87.7   | 89.1   | 89.1   | 89.1   | 90.6   | 90.6   | 90.6   | 92.0   | 92.0   | 92.0   | 92.0   |
| 107.5° | 82.1   | 83.5   | 83.5   | 84.9   | 84.9   | 86.3   | 86.3   | 86.3   | 86.3   | 87.7   | 87.7   |
| 110°   | 76.4   | 77.8   | 79.2   | 80.6   | 80.6   | 82.1   | 82.1   | 82.1   | 82.1   | 82.1   | 82.1   |



TEST NUMBER: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  | 90°  | 95°  | 100° | 105° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 70.7 | 72.2 | 73.6 | 76.4 | 77.8 | 77.8 | 77.8 | 77.8 | 79.2 | 79.2 | 77.8 |
| 115°   | 65.1 | 67.9 | 69.3 | 72.2 | 73.6 | 73.6 | 75.0 | 75.0 | 75.0 | 75.0 | 73.6 |
| 117.5° | 59.4 | 63.7 | 65.1 | 67.9 | 69.3 | 69.3 | 70.7 | 70.7 | 70.7 | 70.7 | 69.3 |
| 120°   | 55.2 | 58.0 | 60.8 | 62.3 | 63.7 | 65.1 | 65.1 | 66.5 | 66.5 | 66.5 | 65.1 |
| 122.5° | 50.9 | 53.8 | 56.6 | 58.0 | 59.4 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| 125°   | 45.3 | 48.1 | 50.9 | 52.3 | 53.8 | 55.2 | 55.2 | 56.6 | 56.6 | 56.6 | 55.2 |
| 127.5° | 41.0 | 43.9 | 45.3 | 48.1 | 49.5 | 49.5 | 50.9 | 50.9 | 50.9 | 50.9 | 49.5 |
| 130°   | 35.4 | 38.2 | 41.0 | 42.4 | 43.9 | 43.9 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |
| 132.5° | 31.1 | 34.0 | 35.4 | 38.2 | 38.2 | 39.6 | 39.6 | 41.0 | 41.0 | 41.0 | 39.6 |
| 135°   | 28.3 | 29.7 | 31.1 | 34.0 | 34.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| 137.5° | 25.5 | 26.9 | 28.3 | 29.7 | 29.7 | 31.1 | 31.1 | 31.1 | 31.1 | 32.5 | 31.1 |
| 140°   | 21.2 | 24.1 | 25.5 | 25.5 | 26.9 | 26.9 | 26.9 | 28.3 | 28.3 | 28.3 | 26.9 |
| 142.5° | 18.4 | 19.8 | 21.2 | 22.6 | 24.1 | 24.1 | 24.1 | 24.1 | 25.5 | 24.1 | 24.1 |
| 145°   | 14.1 | 17.0 | 18.4 | 19.8 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 147.5° | 11.3 | 12.7 | 15.6 | 17.0 | 17.0 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 |
| 150°   | 9.9  | 9.9  | 12.7 | 14.1 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| 152.5° | 7.1  | 8.5  | 9.9  | 11.3 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 |
| 155°   | 7.1  | 7.1  | 8.5  | 8.5  | 9.9  | 9.9  | 9.9  | 9.9  | 11.3 | 9.9  | 9.9  |
| 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: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 |
| 2.5°   | 2727.9 | 2726.4 | 2732.1 | 2726.4 | 2698.1 | 2709.5 | 2705.2 | 2720.8 | 2722.2 | 2726.4 | 2740.6 |
| 5°     | 2713.7 | 2713.7 | 2720.8 | 2715.1 | 2688.2 | 2699.6 | 2698.1 | 2713.7 | 2716.5 | 2719.4 | 2734.9 |
| 7.5°   | 2685.4 | 2686.8 | 2696.7 | 2692.5 | 2664.2 | 2681.2 | 2679.7 | 2698.1 | 2703.8 | 2709.5 | 2723.6 |
| 10°    | 2658.5 | 2657.1 | 2668.4 | 2664.2 | 2637.3 | 2657.1 | 2655.7 | 2674.1 | 2682.6 | 2692.5 | 2709.5 |
| 12.5°  | 2644.4 | 2640.1 | 2644.4 | 2640.1 | 2610.4 | 2626.0 | 2627.4 | 2648.6 | 2658.5 | 2671.3 | 2691.1 |
| 15°    | 2644.4 | 2637.3 | 2637.3 | 2628.8 | 2594.9 | 2604.8 | 2606.2 | 2620.3 | 2633.1 | 2645.8 | 2669.8 |
| 17.5°  | 2641.5 | 2634.5 | 2633.1 | 2626.0 | 2589.2 | 2589.2 | 2587.8 | 2597.7 | 2604.8 | 2617.5 | 2643.0 |
| 20°    | 2626.0 | 2623.2 | 2621.7 | 2617.5 | 2583.5 | 2577.9 | 2575.0 | 2575.0 | 2579.3 | 2583.5 | 2609.0 |
| 22.5°  | 2584.9 | 2587.8 | 2590.6 | 2593.4 | 2566.6 | 2556.7 | 2558.1 | 2555.2 | 2551.0 | 2551.0 | 2572.2 |
| 25°    | 2508.5 | 2522.7 | 2534.0 | 2546.7 | 2531.2 | 2524.1 | 2532.6 | 2528.4 | 2521.3 | 2515.6 | 2534.0 |
| 27.5°  | 2386.9 | 2416.6 | 2440.6 | 2471.8 | 2473.2 | 2467.5 | 2490.2 | 2487.3 | 2485.9 | 2477.4 | 2491.6 |
| 30°    | 2218.5 | 2265.2 | 2297.7 | 2343.0 | 2381.2 | 2386.9 | 2425.1 | 2430.7 | 2436.4 | 2432.1 | 2446.3 |
| 32.5°  | 2014.8 | 2078.4 | 2133.6 | 2204.4 | 2241.1 | 2273.7 | 2327.4 | 2350.1 | 2372.7 | 2379.8 | 2395.4 |
| 35°    | 1792.6 | 1864.8 | 1929.9 | 2007.7 | 2065.7 | 2136.4 | 2201.5 | 2235.5 | 2286.4 | 2306.2 | 2328.9 |
| 37.5°  | 1581.8 | 1649.7 | 1713.4 | 1791.2 | 1884.6 | 1958.2 | 2038.8 | 2115.2 | 2184.5 | 2212.8 | 2246.8 |
| 40°    | 1395.1 | 1450.2 | 1511.1 | 1579.0 | 1663.9 | 1760.1 | 1847.8 | 1953.9 | 2036.0 | 2092.6 | 2142.1 |
| 42.5°  | 1253.6 | 1280.4 | 1332.8 | 1393.6 | 1461.6 | 1559.2 | 1648.3 | 1767.2 | 1866.2 | 1946.8 | 2028.9 |
| 45°    | 1127.6 | 1140.4 | 1178.6 | 1211.1 | 1280.4 | 1366.8 | 1461.6 | 1577.6 | 1680.9 | 1784.1 | 1883.2 |
| 47.5°  | 1020.1 | 1035.7 | 1054.1 | 1073.9 | 1123.4 | 1195.6 | 1277.6 | 1382.3 | 1485.6 | 1605.9 | 1719.1 |
| 50°    | 948.0  | 952.2  | 955.0  | 963.5  | 993.2  | 1042.8 | 1109.3 | 1198.4 | 1297.4 | 1426.2 | 1546.4 |
| 52.5°  | 884.3  | 884.3  | 875.8  | 871.6  | 882.9  | 914.0  | 952.2  | 1015.9 | 1117.7 | 1236.6 | 1363.9 |
| 55°    | 816.4  | 803.6  | 800.8  | 786.7  | 789.5  | 803.6  | 822.0  | 871.6  | 955.0  | 1056.9 | 1180.0 |
| 57.5°  | 721.6  | 715.9  | 715.9  | 710.3  | 698.9  | 706.0  | 710.3  | 745.6  | 805.1  | 892.8  | 1000.3 |
| 60°    | 612.6  | 609.8  | 616.9  | 618.3  | 608.4  | 612.6  | 611.2  | 632.4  | 674.9  | 745.6  | 834.8  |
| 62.5°  | 503.7  | 516.4  | 517.8  | 523.5  | 517.8  | 516.4  | 523.5  | 541.9  | 563.1  | 616.9  | 686.2  |
| 65°    | 423.0  | 430.1  | 431.5  | 438.6  | 435.8  | 435.8  | 441.4  | 455.6  | 468.3  | 505.1  | 558.9  |
| 67.5°  | 370.7  | 367.9  | 369.3  | 373.5  | 369.3  | 367.9  | 372.1  | 380.6  | 390.5  | 413.1  | 451.3  |
| 70°    | 329.7  | 326.8  | 326.8  | 326.8  | 321.2  | 316.9  | 318.3  | 321.2  | 325.4  | 338.2  | 362.2  |
| 72.5°  | 298.5  | 298.5  | 294.3  | 290.0  | 285.8  | 283.0  | 280.1  | 277.3  | 275.9  | 280.1  | 292.9  |
| 75°    | 270.2  | 271.7  | 270.2  | 266.0  | 260.3  | 254.7  | 249.0  | 243.4  | 236.3  | 233.5  | 234.9  |
| 77.5°  | 244.8  | 246.2  | 247.6  | 246.2  | 240.5  | 233.5  | 225.0  | 216.5  | 206.6  | 196.7  | 191.0  |
| 80°    | 222.1  | 225.0  | 226.4  | 225.0  | 220.7  | 215.1  | 205.2  | 195.3  | 181.1  | 168.4  | 154.2  |
| 82.5°  | 202.3  | 206.6  | 208.0  | 208.0  | 205.2  | 199.5  | 188.2  | 176.9  | 161.3  | 144.3  | 125.9  |
| 85°    | 186.8  | 189.6  | 192.4  | 192.4  | 191.0  | 185.3  | 174.0  | 161.3  | 145.7  | 125.9  | 106.1  |
| 87.5°  | 171.2  | 172.6  | 175.4  | 178.3  | 175.4  | 169.8  | 159.9  | 145.7  | 130.2  | 110.4  | 87.7   |
| 90°    | 155.6  | 157.0  | 159.9  | 162.7  | 161.3  | 155.6  | 147.1  | 134.4  | 117.4  | 96.2   | 73.6   |
| 92.5°  | 140.1  | 142.9  | 144.3  | 145.7  | 147.1  | 142.9  | 135.8  | 123.1  | 106.1  | 84.9   | 63.7   |
| 95°    | 128.8  | 128.8  | 131.6  | 133.0  | 134.4  | 130.2  | 124.5  | 111.8  | 96.2   | 76.4   | 55.2   |
| 97.5°  | 117.4  | 117.4  | 120.3  | 120.3  | 121.7  | 118.8  | 113.2  | 101.9  | 86.3   | 67.9   | 46.7   |
| 100°   | 106.1  | 107.5  | 108.9  | 110.4  | 110.4  | 108.9  | 103.3  | 92.0   | 77.8   | 60.8   | 41.0   |
| 102.5° | 99.0   | 99.0   | 100.5  | 100.5  | 101.9  | 99.0   | 93.4   | 83.5   | 69.3   | 53.8   | 35.4   |
| 105°   | 92.0   | 92.0   | 93.4   | 93.4   | 92.0   | 89.1   | 83.5   | 75.0   | 62.3   | 46.7   | 31.1   |
| 107.5° | 86.3   | 86.3   | 86.3   | 86.3   | 84.9   | 82.1   | 76.4   | 66.5   | 55.2   | 42.4   | 28.3   |
| 110°   | 82.1   | 80.6   | 80.6   | 79.2   | 77.8   | 73.6   | 67.9   | 59.4   | 49.5   | 36.8   | 24.1   |

TEST NUMBER: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 77.8 | 76.4 | 75.0 | 73.6 | 70.7 | 66.5 | 60.8 | 53.8 | 43.9 | 32.5 | 21.2 |
| 115°   | 73.6 | 72.2 | 70.7 | 67.9 | 65.1 | 60.8 | 55.2 | 48.1 | 38.2 | 28.3 | 18.4 |
| 117.5° | 69.3 | 67.9 | 65.1 | 62.3 | 59.4 | 55.2 | 49.5 | 42.4 | 34.0 | 25.5 | 17.0 |
| 120°   | 63.7 | 62.3 | 60.8 | 58.0 | 55.2 | 49.5 | 43.9 | 38.2 | 29.7 | 22.6 | 14.1 |
| 122.5° | 59.4 | 58.0 | 55.2 | 53.8 | 49.5 | 45.3 | 39.6 | 34.0 | 26.9 | 19.8 | 12.7 |
| 125°   | 53.8 | 52.3 | 50.9 | 48.1 | 45.3 | 39.6 | 35.4 | 29.7 | 24.1 | 17.0 | 9.9  |
| 127.5° | 49.5 | 48.1 | 45.3 | 42.4 | 39.6 | 35.4 | 31.1 | 26.9 | 21.2 | 14.1 | 9.9  |
| 130°   | 43.9 | 42.4 | 41.0 | 38.2 | 35.4 | 31.1 | 28.3 | 22.6 | 18.4 | 12.7 | 8.5  |
| 132.5° | 38.2 | 38.2 | 36.8 | 34.0 | 31.1 | 28.3 | 24.1 | 19.8 | 15.6 | 11.3 | 7.1  |
| 135°   | 35.4 | 34.0 | 32.5 | 29.7 | 28.3 | 24.1 | 21.2 | 17.0 | 12.7 | 9.9  | 5.7  |
| 137.5° | 31.1 | 29.7 | 28.3 | 26.9 | 24.1 | 21.2 | 18.4 | 14.1 | 11.3 | 8.5  | 5.7  |
| 140°   | 26.9 | 25.5 | 25.5 | 22.6 | 21.2 | 18.4 | 15.6 | 12.7 | 9.9  | 7.1  | 4.2  |
| 142.5° | 24.1 | 22.6 | 21.2 | 19.8 | 18.4 | 15.6 | 12.7 | 9.9  | 8.5  | 5.7  | 4.2  |
| 145°   | 21.2 | 19.8 | 18.4 | 17.0 | 15.6 | 12.7 | 11.3 | 8.5  | 7.1  | 5.7  | 4.2  |
| 147.5° | 17.0 | 17.0 | 15.6 | 14.1 | 12.7 | 11.3 | 9.9  | 8.5  | 5.7  | 4.2  | 2.8  |
| 150°   | 14.1 | 14.1 | 12.7 | 11.3 | 11.3 | 9.9  | 8.5  | 7.1  | 5.7  | 4.2  | 2.8  |
| 152.5° | 12.7 | 11.3 | 11.3 | 9.9  | 9.9  | 8.5  | 7.1  | 5.7  | 4.2  | 4.2  | 2.8  |
| 155°   | 9.9  | 9.9  | 9.9  | 8.5  | 8.5  | 7.1  | 5.7  | 5.7  | 4.2  | 2.8  | 2.8  |
| 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: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 |
| 2.5°   | 2743.4 | 2726.4 | 2740.6 | 2766.1 | 2763.2 | 2760.4 | 2757.6 | 2763.2 | 2781.6 | 2771.7 | 2756.1 |
| 5°     | 2739.2 | 2722.2 | 2737.8 | 2761.8 | 2760.4 | 2756.1 | 2753.3 | 2759.0 | 2777.4 | 2767.5 | 2750.5 |
| 7.5°   | 2730.7 | 2715.1 | 2726.4 | 2750.5 | 2750.5 | 2747.7 | 2744.8 | 2750.5 | 2767.5 | 2759.0 | 2742.0 |
| 10°    | 2716.5 | 2705.2 | 2716.5 | 2739.2 | 2740.6 | 2734.9 | 2732.1 | 2739.2 | 2756.1 | 2751.9 | 2737.8 |
| 12.5°  | 2705.2 | 2693.9 | 2706.6 | 2729.3 | 2730.7 | 2725.0 | 2720.8 | 2729.3 | 2751.9 | 2754.7 | 2750.5 |
| 15°    | 2689.6 | 2679.7 | 2695.3 | 2719.4 | 2719.4 | 2715.1 | 2715.1 | 2726.4 | 2757.6 | 2770.3 | 2777.4 |
| 17.5°  | 2667.0 | 2659.9 | 2678.3 | 2702.4 | 2703.8 | 2701.0 | 2702.4 | 2725.0 | 2766.1 | 2797.2 | 2817.0 |
| 20°    | 2638.7 | 2635.9 | 2655.7 | 2681.2 | 2685.4 | 2686.8 | 2693.9 | 2727.9 | 2784.4 | 2826.9 | 2846.7 |
| 22.5°  | 2604.8 | 2606.2 | 2628.8 | 2655.7 | 2661.4 | 2665.6 | 2679.7 | 2727.9 | 2798.6 | 2843.9 | 2852.4 |
| 25°    | 2566.6 | 2570.8 | 2594.9 | 2627.4 | 2634.5 | 2643.0 | 2667.0 | 2729.3 | 2802.8 | 2832.6 | 2818.4 |
| 27.5°  | 2525.5 | 2534.0 | 2565.1 | 2599.1 | 2607.6 | 2621.7 | 2652.9 | 2720.8 | 2783.0 | 2784.4 | 2732.1 |
| 30°    | 2483.1 | 2493.0 | 2529.8 | 2569.4 | 2583.5 | 2597.7 | 2635.9 | 2701.0 | 2734.9 | 2689.6 | 2597.7 |
| 32.5°  | 2435.0 | 2449.1 | 2485.9 | 2534.0 | 2551.0 | 2569.4 | 2607.6 | 2662.8 | 2650.0 | 2552.4 | 2420.8 |
| 35°    | 2374.1 | 2393.9 | 2436.4 | 2493.0 | 2508.5 | 2532.6 | 2559.5 | 2572.2 | 2515.6 | 2377.0 | 2228.4 |
| 37.5°  | 2299.1 | 2328.9 | 2378.4 | 2443.5 | 2460.4 | 2476.0 | 2483.1 | 2447.7 | 2334.5 | 2184.5 | 2030.3 |
| 40°    | 2212.8 | 2258.1 | 2311.9 | 2384.0 | 2401.0 | 2401.0 | 2375.6 | 2300.6 | 2157.7 | 1961.0 | 1789.8 |
| 42.5°  | 2108.1 | 2163.3 | 2231.2 | 2303.4 | 2320.4 | 2300.6 | 2239.7 | 2108.1 | 1945.4 | 1726.1 | 1545.0 |
| 45°    | 1980.8 | 2054.4 | 2130.8 | 2205.8 | 2214.3 | 2170.4 | 2061.5 | 1894.5 | 1693.6 | 1489.8 | 1317.2 |
| 47.5°  | 1829.4 | 1925.6 | 2009.1 | 2094.0 | 2082.7 | 2009.1 | 1863.4 | 1673.8 | 1461.6 | 1269.1 | 1130.5 |
| 50°    | 1659.6 | 1772.8 | 1866.2 | 1946.8 | 1922.8 | 1820.9 | 1649.7 | 1451.6 | 1240.8 | 1076.7 | 962.1  |
| 52.5°  | 1478.5 | 1608.7 | 1702.1 | 1767.2 | 1734.6 | 1612.9 | 1424.8 | 1235.2 | 1062.6 | 912.6  | 836.2  |
| 55°    | 1290.4 | 1421.9 | 1518.1 | 1569.1 | 1526.6 | 1395.1 | 1209.7 | 1037.1 | 874.4  | 776.8  | 731.5  |
| 57.5°  | 1107.8 | 1230.9 | 1321.5 | 1362.5 | 1308.7 | 1177.2 | 1006.0 | 860.2  | 742.8  | 660.7  | 638.1  |
| 60°    | 932.4  | 1032.8 | 1119.2 | 1150.3 | 1092.3 | 970.6  | 823.4  | 707.4  | 621.1  | 564.5  | 553.2  |
| 62.5°  | 769.7  | 851.7  | 919.7  | 943.7  | 887.1  | 792.3  | 665.0  | 578.7  | 517.8  | 489.5  | 475.4  |
| 65°    | 635.3  | 683.4  | 752.7  | 748.5  | 714.5  | 626.8  | 533.4  | 472.6  | 432.9  | 414.6  | 406.1  |
| 67.5°  | 499.4  | 543.3  | 587.2  | 592.8  | 550.4  | 489.5  | 428.7  | 384.8  | 363.6  | 353.7  | 349.5  |
| 70°    | 386.3  | 418.8  | 445.7  | 438.6  | 416.0  | 377.8  | 339.6  | 315.5  | 307.0  | 302.8  | 302.8  |
| 72.5°  | 300.0  | 316.9  | 329.7  | 321.2  | 307.0  | 287.2  | 268.8  | 258.9  | 260.3  | 263.2  | 266.0  |
| 75°    | 232.0  | 236.3  | 239.1  | 230.6  | 227.8  | 215.1  | 213.6  | 215.1  | 223.5  | 232.0  | 236.3  |
| 77.5°  | 178.3  | 172.6  | 168.4  | 159.9  | 161.3  | 159.9  | 167.0  | 178.3  | 191.0  | 203.7  | 215.1  |
| 80°    | 137.2  | 124.5  | 114.6  | 106.1  | 110.4  | 117.4  | 131.6  | 148.6  | 165.5  | 179.7  | 193.8  |
| 82.5°  | 106.1  | 87.7   | 73.6   | 65.1   | 73.6   | 84.9   | 103.3  | 124.5  | 144.3  | 159.9  | 175.4  |
| 85°    | 82.1   | 60.8   | 43.9   | 35.4   | 43.9   | 60.8   | 80.6   | 104.7  | 125.9  | 142.9  | 158.5  |
| 87.5°  | 63.7   | 43.9   | 24.1   | 14.1   | 24.1   | 42.4   | 65.1   | 87.7   | 108.9  | 128.8  | 144.3  |
| 90°    | 50.9   | 29.7   | 11.3   | 2.8    | 12.7   | 29.7   | 50.9   | 73.6   | 94.8   | 116.0  | 131.6  |
| 92.5°  | 41.0   | 21.2   | 5.7    | 0.0    | 7.1    | 22.6   | 42.4   | 63.7   | 84.9   | 104.7  | 120.3  |
| 95°    | 34.0   | 17.0   | 4.2    | 0.0    | 5.7    | 17.0   | 34.0   | 55.2   | 75.0   | 94.8   | 107.5  |
| 97.5°  | 28.3   | 12.7   | 2.8    | 0.0    | 2.8    | 14.1   | 28.3   | 46.7   | 66.5   | 84.9   | 97.6   |
| 100°   | 24.1   | 11.3   | 2.8    | 0.0    | 2.8    | 11.3   | 24.1   | 41.0   | 58.0   | 75.0   | 87.7   |
| 102.5° | 19.8   | 8.5    | 1.4    | 1.4    | 1.4    | 8.5    | 21.2   | 35.4   | 50.9   | 66.5   | 79.2   |
| 105°   | 18.4   | 7.1    | 1.4    | 1.4    | 1.4    | 7.1    | 18.4   | 31.1   | 45.3   | 59.4   | 70.7   |
| 107.5° | 15.6   | 5.7    | 1.4    | 1.4    | 1.4    | 5.7    | 15.6   | 26.9   | 41.0   | 53.8   | 63.7   |
| 110°   | 12.7   | 5.7    | 1.4    | 1.4    | 1.4    | 5.7    | 12.7   | 24.1   | 35.4   | 46.7   | 56.6   |

TEST NUMBER: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 11.3 | 4.2  | 1.4  | 1.4  | 1.4  | 4.2  | 11.3 | 21.2 | 31.1 | 42.4 | 50.9 |
| 115°   | 9.9  | 4.2  | 1.4  | 1.4  | 1.4  | 4.2  | 9.9  | 18.4 | 26.9 | 36.8 | 45.3 |
| 117.5° | 8.5  | 4.2  | 1.4  | 1.4  | 1.4  | 2.8  | 8.5  | 15.6 | 24.1 | 32.5 | 41.0 |
| 120°   | 7.1  | 2.8  | 1.4  | 1.4  | 1.4  | 2.8  | 7.1  | 14.1 | 21.2 | 28.3 | 35.4 |
| 122.5° | 7.1  | 2.8  | 1.4  | 1.4  | 1.4  | 2.8  | 5.7  | 11.3 | 18.4 | 24.1 | 31.1 |
| 125°   | 5.7  | 2.8  | 1.4  | 1.4  | 1.4  | 1.4  | 5.7  | 9.9  | 15.6 | 21.2 | 26.9 |
| 127.5° | 5.7  | 2.8  | 1.4  | 1.4  | 1.4  | 1.4  | 4.2  | 8.5  | 12.7 | 18.4 | 24.1 |
| 130°   | 4.2  | 2.8  | 1.4  | 1.4  | 1.4  | 1.4  | 2.8  | 7.1  | 11.3 | 15.6 | 19.8 |
| 132.5° | 4.2  | 2.8  | 1.4  | 1.4  | 1.4  | 1.4  | 2.8  | 5.7  | 8.5  | 12.7 | 17.0 |
| 135°   | 4.2  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 4.2  | 7.1  | 9.9  | 12.7 |
| 137.5° | 2.8  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 2.8  | 5.7  | 7.1  | 11.3 |
| 140°   | 2.8  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 2.8  | 4.2  | 5.7  | 8.5  |
| 142.5° | 2.8  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 2.8  | 4.2  | 7.1  |
| 145°   | 2.8  | 1.4  | 1.4  | 2.8  | 2.8  | 1.4  | 1.4  | 2.8  | 2.8  | 4.2  | 5.7  |
| 147.5° | 2.8  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 2.8  | 2.8  | 4.2  |
| 150°   | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 4.2  |
| 152.5° | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  |
| 155°   | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  |
| 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: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 |
| 2.5°   | 2753.3 | 2720.8 | 2737.8 | 2732.1 | 2737.8 | 2751.9 | 2750.5 | 2746.2 | 2749.1 | 2742.0 | 2734.9 |
| 5°     | 2747.7 | 2715.1 | 2732.1 | 2725.0 | 2732.1 | 2746.2 | 2743.4 | 2739.2 | 2743.4 | 2734.9 | 2727.9 |
| 7.5°   | 2740.6 | 2710.9 | 2730.7 | 2729.3 | 2742.0 | 2760.4 | 2761.8 | 2761.8 | 2771.7 | 2759.0 | 2753.3 |
| 10°    | 2740.6 | 2725.0 | 2751.9 | 2761.8 | 2794.3 | 2818.4 | 2821.2 | 2826.9 | 2843.9 | 2841.0 | 2826.9 |
| 12.5°  | 2770.3 | 2767.5 | 2807.1 | 2831.1 | 2860.8 | 2894.8 | 2913.2 | 2918.9 | 2930.2 | 2921.7 | 2916.0 |
| 15°    | 2808.5 | 2822.6 | 2866.5 | 2893.4 | 2925.9 | 2951.4 | 2955.6 | 2958.5 | 2967.0 | 2954.2 | 2944.3 |
| 17.5°  | 2859.4 | 2867.9 | 2903.3 | 2914.6 | 2935.8 | 2940.1 | 2934.4 | 2920.3 | 2920.3 | 2892.0 | 2883.5 |
| 20°    | 2883.5 | 2879.2 | 2893.4 | 2875.0 | 2866.5 | 2841.0 | 2817.0 | 2790.1 | 2788.7 | 2759.0 | 2756.1 |
| 22.5°  | 2862.3 | 2834.0 | 2804.3 | 2759.0 | 2739.2 | 2702.4 | 2669.8 | 2654.3 | 2644.4 | 2606.2 | 2596.3 |
| 25°    | 2787.3 | 2717.9 | 2674.1 | 2620.3 | 2572.2 | 2529.8 | 2498.6 | 2466.1 | 2435.0 | 2403.8 | 2389.7 |
| 27.5°  | 2657.1 | 2592.0 | 2521.3 | 2446.3 | 2379.8 | 2314.7 | 2262.4 | 2229.8 | 2200.1 | 2159.1 | 2137.9 |
| 30°    | 2497.2 | 2406.7 | 2328.9 | 2256.7 | 2147.8 | 2068.5 | 2024.7 | 1959.6 | 1936.9 | 1918.6 | 1878.9 |
| 32.5°  | 2309.1 | 2200.1 | 2094.0 | 1996.4 | 1884.6 | 1811.0 | 1753.0 | 1704.9 | 1690.8 | 1642.7 | 1631.3 |
| 35°    | 2101.1 | 1958.2 | 1837.9 | 1741.7 | 1661.0 | 1571.9 | 1523.8 | 1491.3 | 1463.0 | 1430.4 | 1424.8 |
| 37.5°  | 1856.3 | 1727.5 | 1591.7 | 1506.8 | 1443.2 | 1366.8 | 1330.0 | 1307.3 | 1294.6 | 1270.5 | 1266.3 |
| 40°    | 1610.1 | 1481.4 | 1388.0 | 1303.1 | 1263.5 | 1222.4 | 1195.6 | 1185.7 | 1180.0 | 1171.5 | 1163.0 |
| 42.5°  | 1386.6 | 1273.4 | 1206.9 | 1150.3 | 1133.3 | 1113.5 | 1106.4 | 1112.1 | 1106.4 | 1103.6 | 1102.2 |
| 45°    | 1197.0 | 1110.7 | 1064.0 | 1047.0 | 1042.8 | 1037.1 | 1042.8 | 1052.7 | 1054.1 | 1051.2 | 1051.2 |
| 47.5°  | 1024.4 | 983.3  | 963.5  | 966.3  | 973.4  | 977.7  | 987.6  | 1000.3 | 1003.1 | 996.1  | 998.9  |
| 50°    | 911.2  | 887.1  | 882.9  | 894.2  | 909.8  | 915.4  | 926.7  | 936.6  | 935.2  | 932.4  | 929.6  |
| 52.5°  | 805.1  | 798.0  | 809.3  | 820.6  | 837.6  | 840.4  | 844.7  | 848.9  | 847.5  | 841.8  | 839.0  |
| 55°    | 715.9  | 721.6  | 731.5  | 735.7  | 748.5  | 747.0  | 748.5  | 748.5  | 742.8  | 740.0  | 735.7  |
| 57.5°  | 635.3  | 636.7  | 642.3  | 643.8  | 650.8  | 648.0  | 646.6  | 643.8  | 635.3  | 633.9  | 629.6  |
| 60°    | 553.2  | 550.4  | 563.1  | 553.2  | 558.9  | 553.2  | 551.8  | 544.7  | 536.2  | 534.8  | 532.0  |
| 62.5°  | 475.4  | 469.7  | 478.2  | 474.0  | 476.8  | 471.1  | 468.3  | 459.8  | 452.8  | 451.3  | 449.9  |
| 65°    | 406.1  | 403.2  | 411.7  | 410.3  | 413.1  | 406.1  | 403.2  | 397.6  | 391.9  | 390.5  | 389.1  |
| 67.5°  | 348.1  | 355.1  | 359.4  | 359.4  | 362.2  | 360.8  | 353.7  | 352.3  | 350.9  | 345.2  | 345.2  |
| 70°    | 305.6  | 309.9  | 318.3  | 319.8  | 318.3  | 321.2  | 315.5  | 314.1  | 312.7  | 309.9  | 308.4  |
| 72.5°  | 271.7  | 277.3  | 285.8  | 287.2  | 285.8  | 285.8  | 283.0  | 281.6  | 281.6  | 277.3  | 277.3  |
| 75°    | 244.8  | 251.8  | 258.9  | 258.9  | 258.9  | 256.1  | 253.3  | 253.3  | 250.4  | 249.0  | 246.2  |
| 77.5°  | 222.1  | 230.6  | 236.3  | 234.9  | 233.5  | 230.6  | 230.6  | 226.4  | 222.1  | 222.1  | 219.3  |
| 80°    | 205.2  | 210.8  | 215.1  | 213.6  | 212.2  | 208.0  | 206.6  | 202.3  | 199.5  | 195.3  | 195.3  |
| 82.5°  | 186.8  | 193.8  | 196.7  | 195.3  | 192.4  | 188.2  | 186.8  | 183.9  | 181.1  | 179.7  | 176.9  |
| 85°    | 171.2  | 178.3  | 179.7  | 176.9  | 174.0  | 171.2  | 169.8  | 168.4  | 167.0  | 164.1  | 164.1  |
| 87.5°  | 155.6  | 162.7  | 162.7  | 161.3  | 158.5  | 157.0  | 155.6  | 154.2  | 152.8  | 151.4  | 150.0  |
| 90°    | 142.9  | 148.6  | 148.6  | 147.1  | 145.7  | 144.3  | 142.9  | 141.5  | 140.1  | 138.7  | 138.7  |
| 92.5°  | 130.2  | 135.8  | 135.8  | 134.4  | 133.0  | 131.6  | 131.6  | 130.2  | 128.8  | 127.3  | 125.9  |
| 95°    | 118.8  | 124.5  | 124.5  | 124.5  | 123.1  | 121.7  | 121.7  | 120.3  | 118.8  | 118.8  | 117.4  |
| 97.5°  | 107.5  | 113.2  | 113.2  | 113.2  | 111.8  | 110.4  | 110.4  | 108.9  | 108.9  | 108.9  | 107.5  |
| 100°   | 97.6   | 101.9  | 103.3  | 103.3  | 101.9  | 101.9  | 101.9  | 100.5  | 100.5  | 100.5  | 99.0   |
| 102.5° | 87.7   | 92.0   | 94.8   | 94.8   | 94.8   | 93.4   | 93.4   | 93.4   | 93.4   | 93.4   | 92.0   |
| 105°   | 79.2   | 83.5   | 86.3   | 87.7   | 87.7   | 87.7   | 87.7   | 87.7   | 87.7   | 87.7   | 87.7   |
| 107.5° | 72.2   | 76.4   | 79.2   | 80.6   | 82.1   | 82.1   | 83.5   | 83.5   | 83.5   | 83.5   | 83.5   |
| 110°   | 65.1   | 69.3   | 73.6   | 75.0   | 76.4   | 77.8   | 77.8   | 79.2   | 77.8   | 77.8   | 77.8   |

TEST NUMBER: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 58.0 | 63.7 | 66.5 | 69.3 | 70.7 | 72.2 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| 115°   | 52.3 | 58.0 | 60.8 | 63.7 | 66.5 | 67.9 | 67.9 | 69.3 | 69.3 | 69.3 | 67.9 |
| 117.5° | 46.7 | 52.3 | 55.2 | 58.0 | 59.4 | 62.3 | 63.7 | 63.7 | 63.7 | 63.7 | 62.3 |
| 120°   | 42.4 | 46.7 | 49.5 | 52.3 | 55.2 | 56.6 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| 122.5° | 36.8 | 41.0 | 45.3 | 48.1 | 49.5 | 50.9 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| 125°   | 32.5 | 36.8 | 39.6 | 42.4 | 43.9 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| 127.5° | 28.3 | 32.5 | 35.4 | 38.2 | 39.6 | 41.0 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 |
| 130°   | 24.1 | 28.3 | 31.1 | 34.0 | 35.4 | 36.8 | 36.8 | 38.2 | 38.2 | 38.2 | 38.2 |
| 132.5° | 21.2 | 24.1 | 26.9 | 29.7 | 31.1 | 32.5 | 32.5 | 34.0 | 34.0 | 34.0 | 34.0 |
| 135°   | 17.0 | 21.2 | 22.6 | 25.5 | 26.9 | 28.3 | 28.3 | 29.7 | 29.7 | 29.7 | 29.7 |
| 137.5° | 14.1 | 17.0 | 19.8 | 22.6 | 24.1 | 24.1 | 25.5 | 25.5 | 26.9 | 26.9 | 26.9 |
| 140°   | 11.3 | 12.7 | 17.0 | 18.4 | 19.8 | 21.2 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 |
| 142.5° | 8.5  | 11.3 | 12.7 | 15.6 | 17.0 | 18.4 | 19.8 | 19.8 | 19.8 | 19.8 | 19.8 |
| 145°   | 7.1  | 8.5  | 9.9  | 12.7 | 14.1 | 15.6 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 147.5° | 5.7  | 7.1  | 8.5  | 9.9  | 11.3 | 12.7 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 |
| 150°   | 4.2  | 5.7  | 7.1  | 7.1  | 8.5  | 9.9  | 11.3 | 12.7 | 12.7 | 12.7 | 12.7 |
| 152.5° | 4.2  | 4.2  | 5.7  | 5.7  | 7.1  | 8.5  | 9.9  | 9.9  | 9.9  | 9.9  | 9.9  |
| 155°   | 2.8  | 4.2  | 4.2  | 4.2  | 5.7  | 5.7  | 7.1  | 8.5  | 8.5  | 8.5  | 8.5  |
| 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: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 |
| 2.5°   | 2739.2 | 2744.8 | 2742.0 | 2737.8 | 2736.3 | 2743.4 | 2736.3 | 2703.8 | 2716.5 | 2717.9 | 2727.9 |
| 5°     | 2734.9 | 2739.2 | 2736.3 | 2733.5 | 2729.3 | 2737.8 | 2729.3 | 2695.3 | 2708.0 | 2709.5 | 2719.4 |
| 7.5°   | 2763.2 | 2764.6 | 2764.6 | 2757.6 | 2746.2 | 2750.5 | 2739.2 | 2701.0 | 2708.0 | 2708.0 | 2715.1 |
| 10°    | 2834.0 | 2836.8 | 2841.0 | 2822.6 | 2808.5 | 2797.2 | 2781.6 | 2734.9 | 2733.5 | 2722.2 | 2722.2 |
| 12.5°  | 2925.9 | 2918.9 | 2911.8 | 2903.3 | 2892.0 | 2877.8 | 2855.2 | 2800.0 | 2781.6 | 2763.2 | 2744.8 |
| 15°    | 2952.8 | 2950.0 | 2948.6 | 2944.3 | 2937.2 | 2933.0 | 2916.0 | 2860.8 | 2834.0 | 2811.3 | 2778.8 |
| 17.5°  | 2882.1 | 2887.7 | 2906.1 | 2907.5 | 2916.0 | 2933.0 | 2930.2 | 2892.0 | 2867.9 | 2858.0 | 2818.4 |
| 20°    | 2754.7 | 2756.1 | 2778.8 | 2788.7 | 2825.5 | 2853.8 | 2875.0 | 2870.8 | 2865.1 | 2876.4 | 2846.7 |
| 22.5°  | 2601.9 | 2611.8 | 2635.9 | 2651.4 | 2686.8 | 2719.4 | 2753.3 | 2771.7 | 2801.4 | 2848.1 | 2842.5 |
| 25°    | 2393.9 | 2406.7 | 2440.6 | 2466.1 | 2515.6 | 2565.1 | 2610.4 | 2643.0 | 2678.3 | 2767.5 | 2797.2 |
| 27.5°  | 2144.9 | 2164.7 | 2208.6 | 2234.1 | 2303.4 | 2354.3 | 2419.4 | 2483.1 | 2532.6 | 2634.5 | 2695.3 |
| 30°    | 1883.2 | 1900.2 | 1946.8 | 1982.2 | 2041.6 | 2111.0 | 2193.0 | 2283.6 | 2365.6 | 2468.9 | 2545.3 |
| 32.5°  | 1638.4 | 1656.8 | 1695.0 | 1726.1 | 1792.6 | 1850.6 | 1941.2 | 2053.0 | 2129.4 | 2272.3 | 2374.1 |
| 35°    | 1424.8 | 1441.7 | 1468.6 | 1495.5 | 1550.7 | 1610.1 | 1687.9 | 1796.9 | 1894.5 | 2043.1 | 2171.8 |
| 37.5°  | 1274.8 | 1277.6 | 1293.2 | 1308.7 | 1349.8 | 1395.1 | 1455.9 | 1552.1 | 1642.7 | 1802.5 | 1944.0 |
| 40°    | 1167.3 | 1167.3 | 1175.7 | 1180.0 | 1198.4 | 1225.3 | 1263.5 | 1338.5 | 1413.4 | 1535.1 | 1707.7 |
| 42.5°  | 1100.8 | 1097.9 | 1097.9 | 1099.3 | 1097.9 | 1110.7 | 1133.3 | 1168.7 | 1235.2 | 1335.6 | 1470.0 |
| 45°    | 1051.2 | 1045.6 | 1041.3 | 1031.4 | 1025.8 | 1025.8 | 1027.2 | 1039.9 | 1078.1 | 1143.2 | 1252.2 |
| 47.5°  | 996.1  | 994.6  | 987.6  | 976.3  | 966.3  | 959.3  | 948.0  | 943.7  | 955.0  | 991.8  | 1065.4 |
| 50°    | 932.4  | 925.3  | 918.2  | 909.8  | 898.4  | 891.4  | 870.1  | 871.6  | 861.6  | 878.6  | 916.8  |
| 52.5°  | 839.0  | 833.4  | 830.5  | 823.4  | 819.2  | 816.4  | 799.4  | 782.4  | 778.2  | 781.0  | 795.2  |
| 55°    | 735.7  | 738.6  | 727.2  | 732.9  | 731.5  | 718.7  | 711.7  | 698.9  | 694.7  | 693.3  | 700.4  |
| 57.5°  | 628.2  | 631.0  | 624.0  | 629.6  | 629.6  | 622.5  | 618.3  | 618.3  | 608.4  | 599.9  | 609.8  |
| 60°    | 530.6  | 524.9  | 529.2  | 536.2  | 536.2  | 532.0  | 529.2  | 529.2  | 522.1  | 519.3  | 526.3  |
| 62.5°  | 451.3  | 445.7  | 449.9  | 457.0  | 458.4  | 455.6  | 452.8  | 452.8  | 444.3  | 444.3  | 449.9  |
| 65°    | 390.5  | 391.9  | 390.5  | 396.2  | 396.2  | 397.6  | 394.7  | 391.9  | 382.0  | 386.3  | 384.8  |
| 67.5°  | 346.6  | 345.2  | 345.2  | 350.9  | 349.5  | 352.3  | 349.5  | 345.2  | 338.2  | 332.5  | 331.1  |
| 70°    | 309.9  | 308.4  | 308.4  | 311.3  | 312.7  | 312.7  | 311.3  | 308.4  | 298.5  | 292.9  | 288.6  |
| 72.5°  | 277.3  | 275.9  | 277.3  | 278.7  | 280.1  | 281.6  | 280.1  | 277.3  | 268.8  | 261.7  | 254.7  |
| 75°    | 247.6  | 246.2  | 250.4  | 250.4  | 251.8  | 251.8  | 253.3  | 251.8  | 244.8  | 236.3  | 227.8  |
| 77.5°  | 217.9  | 219.3  | 223.5  | 225.0  | 227.8  | 229.2  | 230.6  | 230.6  | 223.5  | 216.5  | 205.2  |
| 80°    | 193.8  | 196.7  | 199.5  | 200.9  | 203.7  | 208.0  | 209.4  | 210.8  | 205.2  | 198.1  | 185.3  |
| 82.5°  | 176.9  | 178.3  | 181.1  | 182.5  | 186.8  | 188.2  | 189.6  | 192.4  | 189.6  | 182.5  | 168.4  |
| 85°    | 162.7  | 164.1  | 167.0  | 167.0  | 169.8  | 172.6  | 174.0  | 175.4  | 174.0  | 167.0  | 152.8  |
| 87.5°  | 150.0  | 151.4  | 152.8  | 154.2  | 155.6  | 157.0  | 158.5  | 159.9  | 158.5  | 151.4  | 138.7  |
| 90°    | 138.7  | 138.7  | 140.1  | 140.1  | 141.5  | 142.9  | 145.7  | 145.7  | 144.3  | 138.7  | 125.9  |
| 92.5°  | 125.9  | 127.3  | 127.3  | 128.8  | 130.2  | 131.6  | 133.0  | 133.0  | 131.6  | 125.9  | 114.6  |
| 95°    | 117.4  | 117.4  | 118.8  | 118.8  | 120.3  | 120.3  | 121.7  | 121.7  | 120.3  | 114.6  | 103.3  |
| 97.5°  | 107.5  | 107.5  | 107.5  | 107.5  | 108.9  | 108.9  | 110.4  | 110.4  | 108.9  | 103.3  | 93.4   |
| 100°   | 99.0   | 99.0   | 99.0   | 99.0   | 99.0   | 100.5  | 100.5  | 100.5  | 99.0   | 93.4   | 83.5   |
| 102.5° | 92.0   | 92.0   | 92.0   | 92.0   | 92.0   | 92.0   | 92.0   | 92.0   | 89.1   | 84.9   | 75.0   |
| 105°   | 87.7   | 87.7   | 87.7   | 86.3   | 86.3   | 86.3   | 84.9   | 84.9   | 80.6   | 76.4   | 67.9   |
| 107.5° | 82.1   | 82.1   | 82.1   | 80.6   | 80.6   | 79.2   | 77.8   | 77.8   | 73.6   | 69.3   | 60.8   |
| 110°   | 77.8   | 77.8   | 77.8   | 76.4   | 75.0   | 73.6   | 72.2   | 70.7   | 66.5   | 60.8   | 53.8   |

TEST NUMBER: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 73.6 | 73.6 | 72.2 | 72.2 | 70.7 | 69.3 | 66.5 | 65.1 | 60.8 | 55.2 | 48.1 |
| 115°   | 67.9 | 67.9 | 67.9 | 66.5 | 65.1 | 63.7 | 62.3 | 59.4 | 55.2 | 49.5 | 42.4 |
| 117.5° | 62.3 | 62.3 | 62.3 | 60.8 | 59.4 | 58.0 | 56.6 | 53.8 | 49.5 | 43.9 | 38.2 |
| 120°   | 56.6 | 56.6 | 56.6 | 55.2 | 53.8 | 52.3 | 50.9 | 48.1 | 43.9 | 39.6 | 32.5 |
| 122.5° | 52.3 | 52.3 | 50.9 | 49.5 | 48.1 | 46.7 | 45.3 | 42.4 | 39.6 | 34.0 | 28.3 |
| 125°   | 46.7 | 46.7 | 45.3 | 45.3 | 43.9 | 42.4 | 41.0 | 38.2 | 34.0 | 29.7 | 25.5 |
| 127.5° | 42.4 | 41.0 | 41.0 | 41.0 | 39.6 | 38.2 | 35.4 | 34.0 | 29.7 | 25.5 | 21.2 |
| 130°   | 36.8 | 36.8 | 36.8 | 35.4 | 35.4 | 34.0 | 31.1 | 28.3 | 25.5 | 22.6 | 18.4 |
| 132.5° | 32.5 | 32.5 | 32.5 | 32.5 | 31.1 | 29.7 | 26.9 | 25.5 | 22.6 | 18.4 | 15.6 |
| 135°   | 29.7 | 29.7 | 28.3 | 28.3 | 26.9 | 25.5 | 24.1 | 21.2 | 18.4 | 15.6 | 12.7 |
| 137.5° | 25.5 | 25.5 | 25.5 | 24.1 | 24.1 | 22.6 | 19.8 | 18.4 | 17.0 | 14.1 | 11.3 |
| 140°   | 22.6 | 22.6 | 21.2 | 21.2 | 19.8 | 19.8 | 18.4 | 15.6 | 14.1 | 11.3 | 9.9  |
| 142.5° | 19.8 | 19.8 | 18.4 | 18.4 | 17.0 | 17.0 | 15.6 | 14.1 | 11.3 | 9.9  | 7.1  |
| 145°   | 17.0 | 17.0 | 15.6 | 15.6 | 15.6 | 14.1 | 12.7 | 11.3 | 9.9  | 8.5  | 7.1  |
| 147.5° | 14.1 | 14.1 | 14.1 | 12.7 | 12.7 | 11.3 | 11.3 | 9.9  | 8.5  | 7.1  | 5.7  |
| 150°   | 12.7 | 12.7 | 11.3 | 11.3 | 11.3 | 9.9  | 8.5  | 8.5  | 7.1  | 5.7  | 4.2  |
| 152.5° | 9.9  | 9.9  | 9.9  | 9.9  | 8.5  | 8.5  | 7.1  | 7.1  | 5.7  | 4.2  | 4.2  |
| 155°   | 8.5  | 8.5  | 8.5  | 7.1  | 7.1  | 7.1  | 5.7  | 5.7  | 4.2  | 4.2  | 2.8  |
| 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: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 | 2739.2 |
| 2.5°   | 2723.6 | 2722.2 | 2734.9 | 2733.5 | 2716.5 | 2742.0 | 2759.0 |
| 5°     | 2716.5 | 2715.1 | 2726.4 | 2729.3 | 2710.9 | 2737.8 | 2756.1 |
| 7.5°   | 2710.9 | 2709.5 | 2722.2 | 2726.4 | 2708.0 | 2732.1 | 2751.9 |
| 10°    | 2712.3 | 2705.2 | 2716.5 | 2719.4 | 2702.4 | 2727.9 | 2744.8 |
| 12.5°  | 2722.2 | 2705.2 | 2709.5 | 2709.5 | 2693.9 | 2716.5 | 2734.9 |
| 15°    | 2746.2 | 2710.9 | 2705.2 | 2701.0 | 2681.2 | 2702.4 | 2720.8 |
| 17.5°  | 2773.1 | 2725.0 | 2705.2 | 2691.1 | 2667.0 | 2685.4 | 2705.2 |
| 20°    | 2800.0 | 2740.6 | 2708.0 | 2685.4 | 2652.9 | 2669.8 | 2684.0 |
| 22.5°  | 2812.7 | 2754.7 | 2710.9 | 2676.9 | 2635.9 | 2644.4 | 2659.9 |
| 25°    | 2795.8 | 2749.1 | 2705.2 | 2664.2 | 2614.7 | 2616.1 | 2628.8 |
| 27.5°  | 2733.5 | 2720.8 | 2692.5 | 2651.4 | 2597.7 | 2590.6 | 2600.5 |
| 30°    | 2627.4 | 2662.8 | 2664.2 | 2634.5 | 2577.9 | 2563.7 | 2568.0 |
| 32.5°  | 2478.8 | 2558.1 | 2604.8 | 2599.1 | 2549.6 | 2529.8 | 2532.6 |
| 35°    | 2307.6 | 2406.7 | 2508.5 | 2542.5 | 2507.1 | 2491.6 | 2485.9 |
| 37.5°  | 2102.5 | 2235.5 | 2371.3 | 2454.8 | 2449.1 | 2439.2 | 2433.6 |
| 40°    | 1876.1 | 2036.0 | 2197.3 | 2330.3 | 2371.3 | 2371.3 | 2374.1 |
| 42.5°  | 1634.2 | 1820.9 | 1997.8 | 2166.2 | 2262.4 | 2283.6 | 2292.1 |
| 45°    | 1400.7 | 1588.9 | 1781.3 | 1975.1 | 2103.9 | 2170.4 | 2194.4 |
| 47.5°  | 1188.5 | 1378.1 | 1560.6 | 1772.8 | 1944.0 | 2030.3 | 2068.5 |
| 50°    | 1007.4 | 1148.9 | 1341.3 | 1552.1 | 1738.9 | 1845.0 | 1920.0 |
| 52.5°  | 857.4  | 967.8  | 1136.1 | 1332.8 | 1521.0 | 1666.7 | 1736.0 |
| 55°    | 731.5  | 806.5  | 949.4  | 1119.2 | 1298.8 | 1450.2 | 1530.9 |
| 57.5°  | 625.4  | 684.8  | 782.4  | 923.9  | 1075.3 | 1225.3 | 1311.6 |
| 60°    | 532.0  | 573.0  | 639.5  | 751.3  | 880.0  | 1008.8 | 1092.3 |
| 62.5°  | 451.3  | 478.2  | 522.1  | 604.1  | 704.6  | 805.1  | 882.9  |
| 65°    | 389.1  | 400.4  | 424.5  | 475.4  | 551.8  | 628.2  | 694.7  |
| 67.5°  | 328.2  | 335.3  | 353.7  | 384.8  | 423.0  | 478.2  | 522.1  |
| 70°    | 283.0  | 283.0  | 284.4  | 302.8  | 322.6  | 358.0  | 389.1  |
| 72.5°  | 246.2  | 241.9  | 233.5  | 237.7  | 241.9  | 261.7  | 281.6  |
| 75°    | 216.5  | 206.6  | 192.4  | 186.8  | 183.9  | 186.8  | 198.1  |
| 77.5°  | 191.0  | 176.9  | 159.9  | 145.7  | 134.4  | 130.2  | 140.1  |
| 80°    | 169.8  | 152.8  | 133.0  | 114.6  | 96.2   | 86.3   | 90.6   |
| 82.5°  | 152.8  | 131.6  | 110.4  | 89.1   | 67.9   | 53.8   | 53.8   |
| 85°    | 134.4  | 114.6  | 92.0   | 69.3   | 48.1   | 29.7   | 26.9   |
| 87.5°  | 121.7  | 100.5  | 76.4   | 55.2   | 34.0   | 15.6   | 8.5    |
| 90°    | 108.9  | 87.7   | 65.1   | 43.9   | 24.1   | 7.1    | 0.0    |
| 92.5°  | 97.6   | 77.8   | 56.6   | 35.4   | 17.0   | 4.2    | 0.0    |
| 95°    | 87.7   | 69.3   | 48.1   | 29.7   | 14.1   | 2.8    | 1.4    |
| 97.5°  | 77.8   | 60.8   | 42.4   | 24.1   | 9.9    | 2.8    | 1.4    |
| 100°   | 70.7   | 53.8   | 36.8   | 19.8   | 8.5    | 1.4    | 1.4    |
| 102.5° | 62.3   | 48.1   | 31.1   | 17.0   | 7.1    | 1.4    | 1.4    |
| 105°   | 55.2   | 42.4   | 26.9   | 14.1   | 5.7    | 1.4    | 1.4    |
| 107.5° | 49.5   | 36.8   | 24.1   | 12.7   | 5.7    | 1.4    | 1.4    |
| 110°   | 43.9   | 32.5   | 21.2   | 11.3   | 4.2    | 1.4    | 1.4    |



TEST NUMBER: P1213526

CATALOG NUMBER: 4SNLED-LD5-76HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 39.6 | 28.3 | 18.4 | 9.9  | 2.8  | 1.4  | 1.4  |
| 115°   | 34.0 | 25.5 | 15.6 | 8.5  | 2.8  | 1.4  | 1.4  |
| 117.5° | 29.7 | 21.2 | 14.1 | 7.1  | 2.8  | 1.4  | 1.4  |
| 120°   | 25.5 | 18.4 | 11.3 | 5.7  | 1.4  | 1.4  | 1.4  |
| 122.5° | 22.6 | 15.6 | 9.9  | 5.7  | 1.4  | 1.4  | 1.4  |
| 125°   | 19.8 | 14.1 | 8.5  | 4.2  | 1.4  | 1.4  | 1.4  |
| 127.5° | 17.0 | 11.3 | 7.1  | 2.8  | 1.4  | 1.4  | 1.4  |
| 130°   | 14.1 | 9.9  | 5.7  | 2.8  | 1.4  | 1.4  | 1.4  |
| 132.5° | 11.3 | 8.5  | 5.7  | 2.8  | 1.4  | 1.4  | 1.4  |
| 135°   | 9.9  | 7.1  | 4.2  | 2.8  | 1.4  | 1.4  | 1.4  |
| 137.5° | 8.5  | 5.7  | 2.8  | 2.8  | 2.8  | 1.4  | 1.4  |
| 140°   | 7.1  | 4.2  | 2.8  | 2.8  | 2.8  | 2.8  | 1.4  |
| 142.5° | 5.7  | 4.2  | 2.8  | 2.8  | 2.8  | 2.8  | 1.4  |
| 145°   | 4.2  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 1.4  |
| 147.5° | 4.2  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 1.4  |
| 150°   | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  |
| 152.5° | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  |
| 155°   | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  |
| 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)