

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: P1213741

Luminaire Tested: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

Issue Date: 3/29/2018

**Test Information**

Test Method: LM-79-2019  
Report Number: P1213741  
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-LD5-30SL-LC-UNV-L940-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR LENSED  
Light Source: -  
Ballast/Driver: -

**Summary**

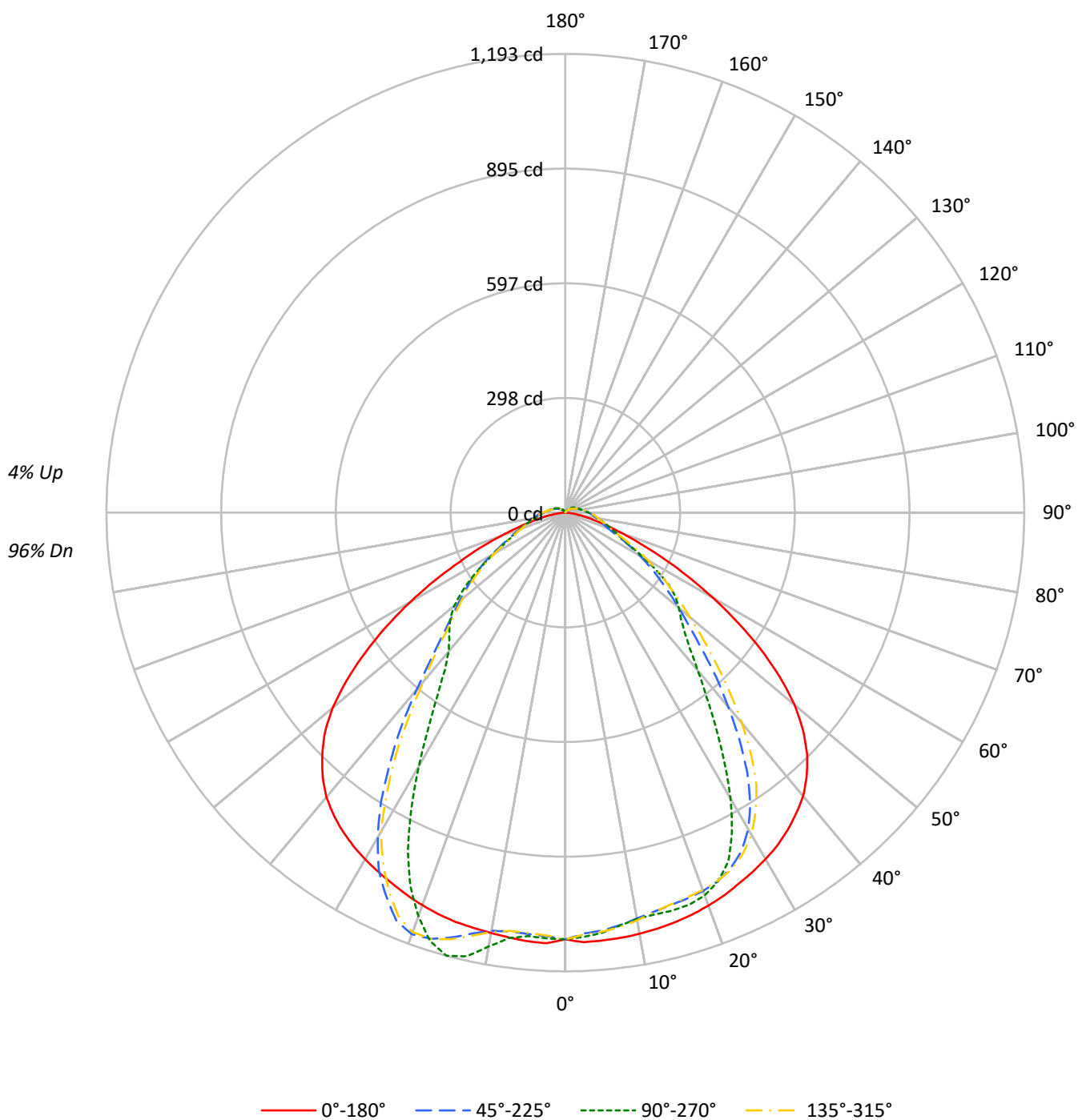
Lumens per Lamp: N/A  
Luminaire Lumens: 2646.0 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

### Luminous Intensity Polar Plot



TEST NUMBER: P1213741

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50 | 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°  | 8969 | 8969 | 8969 | 8969 |
| 5°  | 9035 | 8613 | 9053 | 8681 |
| 10° | 9076 | 8256 | 9058 | 8816 |
| 15° | 9147 | 8145 | 9142 | 9069 |
| 20° | 9248 | 8016 | 9238 | 8450 |
| 25° | 9361 | 7604 | 9356 | 7348 |
| 30° | 9538 | 6591 | 9542 | 5839 |
| 35° | 9724 | 5329 | 9752 | 4510 |
| 40° | 9889 | 4291 | 9930 | 3781 |
| 45° | 9854 | 3634 | 9905 | 3540 |
| 50° | 9430 | 3347 | 9562 | 3272 |
| 55° | 8366 | 3007 | 8575 | 2734 |
| 60° | 6786 | 2303 | 7146 | 2112 |
| 65° | 5045 | 1762 | 5435 | 1671 |
| 70° | 3431 | 1520 | 3867 | 1454 |
| 75° | 2245 | 1372 | 2612 | 1298 |
| 80° | 1451 | 1279 | 1700 | 1176 |
| 85° | 745  | 1276 | 977  | 1165 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 9905 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 105.4  | 4.0       |
| 10°-20°   | 313.7  | 11.9      |
| 20°-30°   | 476.9  | 18.0      |
| 30°-40°   | 511.6  | 19.3      |
| 40°-50°   | 444.0  | 16.8      |
| 50°-60°   | 329.1  | 12.4      |
| 60°-70°   | 188.5  | 7.1       |
| 70°-80°   | 104.4  | 3.9       |
| 80°-90°   | 63.6   | 2.4       |
| 90°-100°  | 41.3   | 1.6       |
| 100°-110° | 27.7   | 1.0       |
| 110°-120° | 18.7   | 0.7       |
| 120°-130° | 11.5   | 0.4       |
| 130°-140° | 6.0    | 0.2       |
| 140°-150° | 2.7    | 0.1       |
| 150°-160° | 0.8    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 896.0  | 33.9      |
| 0°-40°    | 1407.6 | 53.2      |
| 0°-60°    | 2180.7 | 82.4      |
| 0°-90°    | 2537.2 | 95.9      |
| 90°-120°  | 87.7   | 3.3       |
| 90°-150°  | 108.0  | 4.1       |
| 90°-180°  | 109.0  | 4.1       |
| 0°-180°   | 2646.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1110 | 1110 | 1110 | 1110 | 1110 |      |
| 5°   | 1117 | 1097 | 1119 | 1105 | 1117 | 106  |
| 15°  | 1102 | 1072 | 1102 | 1193 | 1102 | 312  |
| 25°  | 1065 | 1002 | 1065 | 968  | 1065 | 492  |
| 35°  | 1007 | 682  | 1010 | 577  | 1007 | 631  |
| 45°  | 889  | 437  | 894  | 426  | 889  | 681  |
| 55°  | 620  | 328  | 636  | 298  | 620  | 550  |
| 65°  | 282  | 166  | 303  | 158  | 282  | 284  |
| 75°  | 80   | 106  | 93   | 100  | 80   | 92   |
| 85°  | 11   | 73   | 14   | 66   | 11   | 14   |
| 90°  | 0    | 61   | 1    | 56   | 0    | 0    |
| 95°  | 1    | 50   | 0    | 48   | 1    | 0    |
| 105° | 1    | 37   | 1    | 36   | 1    | 1    |
| 115° | 1    | 30   | 1    | 28   | 1    | 1    |
| 125° | 1    | 23   | 1    | 19   | 1    | 1    |
| 135° | 1    | 14   | 1    | 12   | 1    | 0    |
| 145° | 1    | 9    | 1    | 7    | 1    | 0    |
| 155° | 1    | 4    | 1    | 3    | 1    | 0    |
| 165° | 0    | 0    | 0    | 0    | 0    | 0    |
| 175° | 0    | 0    | 0    | 0    | 0    | 0    |
| 180° | 0    | 0    | 0    | 0    | 0    |      |

TEST NUMBER: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 |
| 2.5°   | 1118.0 | 1115.1 | 1113.9 | 1111.6 | 1113.4 | 1120.2 | 1115.7 | 1108.2 | 1108.8 | 1095.6 | 1102.5 |
| 5°     | 1116.8 | 1113.4 | 1111.6 | 1109.4 | 1110.5 | 1116.8 | 1112.2 | 1104.8 | 1104.2 | 1091.0 | 1097.3 |
| 7.5°   | 1115.1 | 1111.6 | 1108.8 | 1107.1 | 1107.6 | 1112.8 | 1107.1 | 1098.5 | 1096.7 | 1082.4 | 1088.1 |
| 10°    | 1112.2 | 1109.9 | 1105.9 | 1103.1 | 1102.5 | 1108.2 | 1099.0 | 1090.4 | 1086.4 | 1071.5 | 1077.3 |
| 12.5°  | 1108.2 | 1104.8 | 1100.8 | 1095.6 | 1095.0 | 1098.5 | 1091.0 | 1079.0 | 1075.0 | 1062.9 | 1069.2 |
| 15°    | 1102.5 | 1098.5 | 1093.9 | 1088.1 | 1085.3 | 1087.6 | 1078.4 | 1067.5 | 1066.9 | 1056.6 | 1065.2 |
| 17.5°  | 1096.2 | 1090.4 | 1085.3 | 1077.3 | 1073.2 | 1075.0 | 1067.5 | 1057.8 | 1058.9 | 1052.6 | 1062.3 |
| 20°    | 1087.6 | 1081.3 | 1073.2 | 1065.2 | 1059.5 | 1062.3 | 1057.2 | 1049.7 | 1051.5 | 1046.9 | 1055.5 |
| 22.5°  | 1077.8 | 1069.2 | 1059.5 | 1050.3 | 1045.7 | 1049.7 | 1045.7 | 1039.4 | 1040.0 | 1037.1 | 1042.3 |
| 25°    | 1065.2 | 1055.5 | 1044.0 | 1032.5 | 1030.2 | 1033.1 | 1030.8 | 1025.7 | 1023.4 | 1018.8 | 1021.1 |
| 27.5°  | 1053.7 | 1042.9 | 1028.5 | 1016.5 | 1012.5 | 1018.2 | 1013.0 | 1004.4 | 998.1  | 991.8  | 987.2  |
| 30°    | 1040.6 | 1027.4 | 1011.3 | 997.6  | 994.1  | 996.4  | 989.0  | 975.8  | 959.1  | 951.1  | 938.5  |
| 32.5°  | 1026.2 | 1009.0 | 989.0  | 973.5  | 971.2  | 969.5  | 955.7  | 936.8  | 911.0  | 894.9  | 875.4  |
| 35°    | 1007.3 | 988.4  | 964.3  | 945.4  | 941.9  | 932.2  | 909.8  | 884.6  | 851.4  | 823.8  | 790.6  |
| 37.5°  | 986.1  | 963.7  | 938.5  | 913.3  | 903.5  | 884.0  | 852.5  | 826.1  | 775.7  | 742.4  | 702.3  |
| 40°    | 962.0  | 935.1  | 904.1  | 873.7  | 857.7  | 826.1  | 790.0  | 751.0  | 702.3  | 657.6  | 623.8  |
| 42.5°  | 928.8  | 900.1  | 863.4  | 829.6  | 802.1  | 760.2  | 717.8  | 662.7  | 618.0  | 580.2  | 545.8  |
| 45°    | 889.2  | 854.8  | 812.4  | 771.7  | 736.7  | 686.8  | 636.9  | 581.9  | 544.6  | 500.5  | 477.0  |
| 47.5°  | 838.2  | 800.9  | 755.6  | 710.3  | 664.5  | 609.4  | 557.3  | 504.5  | 467.2  | 435.7  | 418.5  |
| 50°    | 778.0  | 743.6  | 693.7  | 639.8  | 589.4  | 532.0  | 479.9  | 440.3  | 404.2  | 384.7  | 371.5  |
| 52.5°  | 703.5  | 671.3  | 620.3  | 561.8  | 513.1  | 456.9  | 409.3  | 377.2  | 351.4  | 337.1  | 332.5  |
| 55°    | 620.3  | 592.2  | 541.8  | 487.3  | 437.4  | 385.8  | 349.7  | 321.6  | 305.0  | 296.4  | 297.0  |
| 57.5°  | 531.5  | 509.7  | 462.1  | 413.4  | 366.3  | 327.4  | 294.7  | 272.3  | 259.7  | 259.1  | 260.9  |
| 60°    | 442.6  | 426.5  | 385.3  | 343.4  | 302.1  | 270.6  | 246.5  | 231.0  | 223.0  | 223.6  | 223.0  |
| 62.5°  | 357.7  | 342.8  | 313.0  | 278.6  | 246.0  | 224.7  | 203.0  | 196.6  | 189.8  | 189.2  | 189.2  |
| 65°    | 281.5  | 270.0  | 246.0  | 221.3  | 196.6  | 182.9  | 172.0  | 164.5  | 159.4  | 158.2  | 158.8  |
| 67.5°  | 211.6  | 207.0  | 190.3  | 173.7  | 158.2  | 149.6  | 140.5  | 138.7  | 134.7  | 134.7  | 135.9  |
| 70°    | 157.7  | 154.2  | 145.0  | 135.3  | 129.0  | 123.3  | 118.7  | 118.7  | 118.1  | 117.5  | 120.4  |
| 72.5°  | 114.1  | 114.7  | 111.8  | 104.3  | 103.8  | 102.6  | 101.5  | 103.2  | 103.8  | 105.5  | 108.9  |
| 75°    | 80.3   | 82.0   | 82.0   | 80.8   | 83.1   | 86.0   | 87.7   | 90.6   | 94.0   | 96.3   | 100.3  |
| 77.5°  | 56.8   | 56.8   | 59.6   | 63.1   | 67.7   | 72.8   | 77.4   | 81.4   | 86.0   | 88.9   | 92.3   |
| 80°    | 36.7   | 38.4   | 43.0   | 49.3   | 55.6   | 62.5   | 68.8   | 74.0   | 78.5   | 83.1   | 85.4   |
| 82.5°  | 21.8   | 24.7   | 30.4   | 38.4   | 46.4   | 55.0   | 61.3   | 67.7   | 72.8   | 77.4   | 79.1   |
| 85°    | 10.9   | 14.9   | 21.8   | 30.4   | 39.0   | 48.2   | 56.2   | 61.9   | 67.7   | 71.7   | 74.0   |
| 87.5°  | 3.4    | 8.0    | 15.5   | 23.5   | 32.7   | 41.9   | 50.5   | 56.8   | 61.9   | 65.4   | 67.7   |
| 90°    | 0.0    | 4.0    | 10.9   | 19.5   | 28.1   | 37.3   | 45.3   | 52.2   | 57.3   | 60.2   | 61.9   |
| 92.5°  | 0.0    | 2.3    | 8.6    | 16.1   | 24.1   | 33.3   | 41.3   | 47.6   | 52.2   | 55.0   | 56.2   |
| 95°    | 0.6    | 1.7    | 6.3    | 13.2   | 21.2   | 29.8   | 37.3   | 43.0   | 47.6   | 50.5   | 51.0   |
| 97.5°  | 0.6    | 1.1    | 5.2    | 10.9   | 18.3   | 26.4   | 33.8   | 39.6   | 43.0   | 45.9   | 46.4   |
| 100°   | 0.6    | 1.1    | 4.0    | 9.7    | 16.1   | 23.5   | 30.4   | 35.5   | 39.6   | 41.9   | 42.4   |
| 102.5° | 0.6    | 0.6    | 3.4    | 8.0    | 14.3   | 20.6   | 26.9   | 32.1   | 35.5   | 37.8   | 39.0   |
| 105°   | 0.6    | 0.6    | 2.9    | 6.9    | 12.6   | 18.3   | 24.1   | 29.2   | 32.1   | 34.4   | 35.5   |
| 107.5° | 0.6    | 0.6    | 2.3    | 5.7    | 10.9   | 16.1   | 21.8   | 25.8   | 29.2   | 31.5   | 32.7   |
| 110°   | 0.6    | 0.6    | 1.7    | 5.2    | 9.2    | 14.3   | 18.9   | 22.9   | 26.4   | 28.7   | 29.8   |

TEST NUMBER: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15° | 20° | 25°  | 30°  | 35°  | 40°  | 45°  | 50°  |
|--------|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| 112.5° | 0.6 | 0.6 | 1.7 | 4.6 | 8.0 | 12.6 | 16.6 | 20.6 | 23.5 | 25.8 | 27.5 |
| 115°   | 0.6 | 0.6 | 1.7 | 4.0 | 7.5 | 10.9 | 14.9 | 18.3 | 21.2 | 23.5 | 25.2 |
| 117.5° | 0.6 | 0.6 | 1.7 | 3.4 | 6.3 | 9.7  | 13.2 | 16.6 | 18.9 | 21.2 | 22.9 |
| 120°   | 0.6 | 0.6 | 1.1 | 2.9 | 5.7 | 8.6  | 11.5 | 14.3 | 17.2 | 19.5 | 21.2 |
| 122.5° | 0.6 | 0.6 | 1.1 | 2.9 | 4.6 | 7.5  | 10.3 | 12.6 | 15.5 | 17.2 | 18.9 |
| 125°   | 0.6 | 0.6 | 1.1 | 2.3 | 4.0 | 6.9  | 9.2  | 11.5 | 13.2 | 15.5 | 17.2 |
| 127.5° | 0.6 | 0.6 | 1.1 | 2.3 | 3.4 | 5.7  | 8.0  | 10.3 | 12.0 | 13.8 | 14.9 |
| 130°   | 0.6 | 0.6 | 1.1 | 1.7 | 2.9 | 4.6  | 6.9  | 8.6  | 10.9 | 12.0 | 13.2 |
| 132.5° | 0.6 | 0.6 | 0.6 | 1.7 | 2.3 | 3.4  | 5.2  | 7.5  | 9.2  | 10.9 | 11.5 |
| 135°   | 0.6 | 0.6 | 0.6 | 1.1 | 2.3 | 2.9  | 4.0  | 5.7  | 7.5  | 9.2  | 10.3 |
| 137.5° | 0.6 | 0.6 | 0.6 | 1.1 | 1.7 | 2.9  | 3.4  | 4.6  | 6.3  | 7.5  | 9.2  |
| 140°   | 0.6 | 0.6 | 0.6 | 1.1 | 1.7 | 2.3  | 2.9  | 4.0  | 5.2  | 6.3  | 7.5  |
| 142.5° | 0.6 | 0.6 | 0.6 | 1.1 | 1.1 | 1.7  | 2.3  | 3.4  | 4.0  | 5.2  | 6.3  |
| 145°   | 0.6 | 0.6 | 0.6 | 1.1 | 1.1 | 1.7  | 2.3  | 2.9  | 3.4  | 4.0  | 5.2  |
| 147.5° | 0.6 | 0.6 | 0.6 | 1.1 | 1.1 | 1.1  | 1.7  | 2.3  | 2.9  | 3.4  | 4.0  |
| 150°   | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1  | 1.7  | 1.7  | 2.3  | 2.9  | 3.4  |
| 152.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1  | 1.7  | 1.7  | 1.7  | 2.3  | 2.9  |
| 155°   | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1  | 1.1  | 1.7  | 1.7  | 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: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 |
| 2.5°   | 1100.2 | 1101.3 | 1108.2 | 1107.6 | 1106.5 | 1105.3 | 1105.3 | 1104.2 | 1105.3 | 1108.2 | 1107.1 |
| 5°     | 1094.5 | 1096.2 | 1101.3 | 1100.8 | 1099.6 | 1099.0 | 1098.5 | 1096.7 | 1097.9 | 1101.9 | 1100.8 |
| 7.5°   | 1084.1 | 1085.9 | 1090.4 | 1088.1 | 1086.4 | 1087.6 | 1084.7 | 1083.0 | 1085.3 | 1089.3 | 1088.7 |
| 10°    | 1073.2 | 1074.4 | 1080.1 | 1079.0 | 1076.1 | 1076.7 | 1073.8 | 1072.7 | 1075.5 | 1077.8 | 1078.4 |
| 12.5°  | 1065.8 | 1069.8 | 1075.0 | 1074.4 | 1073.8 | 1074.4 | 1071.5 | 1070.4 | 1072.1 | 1074.4 | 1073.8 |
| 15°    | 1064.1 | 1069.2 | 1075.0 | 1075.0 | 1075.5 | 1076.1 | 1073.2 | 1071.5 | 1073.2 | 1075.0 | 1074.4 |
| 17.5°  | 1062.3 | 1068.7 | 1073.8 | 1073.2 | 1073.8 | 1075.0 | 1070.4 | 1069.2 | 1071.5 | 1073.8 | 1072.7 |
| 20°    | 1056.6 | 1062.3 | 1065.8 | 1064.6 | 1064.6 | 1065.2 | 1059.5 | 1059.5 | 1062.9 | 1064.6 | 1065.2 |
| 22.5°  | 1040.6 | 1047.4 | 1047.4 | 1044.6 | 1044.6 | 1042.3 | 1040.6 | 1037.1 | 1041.1 | 1044.0 | 1046.3 |
| 25°    | 1016.5 | 1019.3 | 1015.9 | 1009.6 | 1006.2 | 1003.3 | 995.3  | 1002.1 | 1002.1 | 1010.7 | 1013.6 |
| 27.5°  | 982.7  | 976.3  | 966.6  | 953.4  | 950.5  | 941.4  | 936.2  | 937.9  | 940.8  | 952.8  | 962.0  |
| 30°    | 927.0  | 908.1  | 891.5  | 885.8  | 873.2  | 864.0  | 854.8  | 859.4  | 864.6  | 871.4  | 890.4  |
| 32.5°  | 853.7  | 835.3  | 808.4  | 798.6  | 785.4  | 774.0  | 763.1  | 770.0  | 779.1  | 783.7  | 804.4  |
| 35°    | 769.4  | 747.6  | 722.9  | 706.3  | 692.6  | 686.3  | 672.5  | 682.2  | 692.0  | 695.4  | 713.2  |
| 37.5°  | 679.9  | 657.6  | 635.8  | 621.5  | 608.3  | 604.3  | 595.1  | 602.0  | 609.4  | 614.6  | 629.5  |
| 40°    | 595.1  | 574.5  | 557.8  | 548.1  | 538.9  | 535.5  | 532.0  | 534.9  | 540.6  | 544.6  | 556.1  |
| 42.5°  | 522.3  | 505.7  | 494.2  | 488.5  | 482.2  | 477.6  | 478.1  | 479.3  | 482.2  | 490.8  | 495.9  |
| 45°    | 458.6  | 448.9  | 441.4  | 440.3  | 436.3  | 435.7  | 435.1  | 437.4  | 439.2  | 444.3  | 448.3  |
| 47.5°  | 407.6  | 403.6  | 401.9  | 404.2  | 405.9  | 403.6  | 404.8  | 407.6  | 411.1  | 411.1  | 410.5  |
| 50°    | 367.5  | 368.6  | 370.9  | 376.1  | 379.5  | 380.7  | 381.8  | 385.3  | 385.8  | 387.0  | 385.3  |
| 52.5°  | 334.8  | 336.0  | 342.3  | 350.3  | 354.3  | 356.0  | 358.3  | 361.8  | 361.8  | 362.9  | 360.6  |
| 55°    | 301.6  | 303.3  | 309.6  | 317.6  | 321.1  | 323.3  | 325.6  | 327.9  | 329.7  | 331.9  | 330.2  |
| 57.5°  | 264.9  | 270.0  | 274.0  | 276.3  | 278.6  | 280.3  | 282.1  | 282.6  | 286.1  | 286.7  | 289.5  |
| 60°    | 225.9  | 227.0  | 231.0  | 230.5  | 228.8  | 233.3  | 231.0  | 235.1  | 239.1  | 244.2  | 244.8  |
| 62.5°  | 188.6  | 189.2  | 192.1  | 190.9  | 193.2  | 192.6  | 194.4  | 194.4  | 197.2  | 199.5  | 202.4  |
| 65°    | 159.4  | 160.0  | 162.2  | 162.2  | 161.7  | 163.4  | 165.1  | 166.3  | 166.3  | 168.0  | 170.3  |
| 67.5°  | 137.6  | 139.3  | 141.6  | 142.8  | 143.9  | 143.9  | 145.6  | 146.2  | 147.3  | 147.9  | 149.1  |
| 70°    | 122.7  | 125.0  | 127.3  | 128.4  | 129.0  | 130.1  | 130.7  | 130.7  | 131.9  | 132.4  | 133.6  |
| 72.5°  | 111.8  | 114.1  | 115.8  | 115.8  | 117.0  | 117.5  | 117.5  | 118.1  | 118.7  | 119.8  | 121.0  |
| 75°    | 102.6  | 104.3  | 105.5  | 104.9  | 104.9  | 104.9  | 105.5  | 105.5  | 106.6  | 107.8  | 108.9  |
| 77.5°  | 94.0   | 95.7   | 95.7   | 94.6   | 94.6   | 94.6   | 94.6   | 95.2   | 95.7   | 96.9   | 98.0   |
| 80°    | 87.7   | 87.7   | 87.1   | 87.1   | 86.0   | 85.4   | 85.4   | 86.0   | 86.0   | 87.1   | 88.9   |
| 82.5°  | 80.8   | 80.8   | 80.3   | 79.7   | 79.1   | 78.5   | 78.5   | 79.1   | 79.7   | 80.3   | 81.4   |
| 85°    | 74.5   | 74.5   | 73.4   | 73.4   | 72.8   | 72.8   | 72.8   | 72.8   | 73.4   | 74.0   | 75.1   |
| 87.5°  | 68.2   | 67.7   | 67.1   | 66.5   | 66.5   | 66.5   | 66.5   | 66.5   | 67.1   | 68.2   | 68.8   |
| 90°    | 61.9   | 61.3   | 60.8   | 60.8   | 60.2   | 60.2   | 60.8   | 60.8   | 61.3   | 61.9   | 62.5   |
| 92.5°  | 56.2   | 55.6   | 55.0   | 55.0   | 54.5   | 54.5   | 55.0   | 54.5   | 55.6   | 55.6   | 56.2   |
| 95°    | 51.0   | 50.5   | 49.9   | 49.9   | 49.9   | 49.9   | 49.9   | 49.9   | 50.5   | 50.5   | 51.0   |
| 97.5°  | 46.4   | 45.9   | 45.3   | 45.3   | 45.9   | 45.3   | 45.9   | 45.9   | 45.9   | 46.4   | 47.0   |
| 100°   | 42.4   | 41.9   | 41.9   | 42.4   | 41.9   | 41.9   | 42.4   | 42.4   | 42.4   | 42.4   | 43.0   |
| 102.5° | 39.0   | 39.0   | 39.0   | 39.0   | 39.0   | 39.0   | 39.6   | 39.6   | 39.6   | 39.6   | 40.1   |
| 105°   | 35.5   | 36.1   | 36.1   | 36.1   | 36.7   | 36.7   | 36.7   | 37.3   | 37.3   | 37.3   | 37.3   |
| 107.5° | 33.3   | 33.8   | 33.8   | 34.4   | 34.4   | 35.0   | 35.0   | 35.0   | 35.0   | 35.5   | 35.5   |
| 110°   | 31.0   | 31.5   | 32.1   | 32.7   | 32.7   | 33.3   | 33.3   | 33.3   | 33.3   | 33.3   | 33.3   |

TEST NUMBER: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  | 90°  | 95°  | 100° | 105° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 28.7 | 29.2 | 29.8 | 31.0 | 31.5 | 31.5 | 31.5 | 31.5 | 32.1 | 32.1 | 31.5 |
| 115°   | 26.4 | 27.5 | 28.1 | 29.2 | 29.8 | 29.8 | 30.4 | 30.4 | 30.4 | 30.4 | 29.8 |
| 117.5° | 24.1 | 25.8 | 26.4 | 27.5 | 28.1 | 28.1 | 28.7 | 28.7 | 28.7 | 28.7 | 28.1 |
| 120°   | 22.4 | 23.5 | 24.7 | 25.2 | 25.8 | 26.4 | 26.4 | 26.9 | 26.9 | 26.9 | 26.4 |
| 122.5° | 20.6 | 21.8 | 22.9 | 23.5 | 24.1 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 |
| 125°   | 18.3 | 19.5 | 20.6 | 21.2 | 21.8 | 22.4 | 22.4 | 22.9 | 22.9 | 22.9 | 22.4 |
| 127.5° | 16.6 | 17.8 | 18.3 | 19.5 | 20.1 | 20.1 | 20.6 | 20.6 | 20.6 | 20.6 | 20.1 |
| 130°   | 14.3 | 15.5 | 16.6 | 17.2 | 17.8 | 17.8 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| 132.5° | 12.6 | 13.8 | 14.3 | 15.5 | 15.5 | 16.1 | 16.1 | 16.6 | 16.6 | 16.6 | 16.1 |
| 135°   | 11.5 | 12.0 | 12.6 | 13.8 | 13.8 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 |
| 137.5° | 10.3 | 10.9 | 11.5 | 12.0 | 12.0 | 12.6 | 12.6 | 12.6 | 12.6 | 13.2 | 12.6 |
| 140°   | 8.6  | 9.7  | 10.3 | 10.3 | 10.9 | 10.9 | 10.9 | 11.5 | 11.5 | 11.5 | 10.9 |
| 142.5° | 7.5  | 8.0  | 8.6  | 9.2  | 9.7  | 9.7  | 9.7  | 9.7  | 10.3 | 9.7  | 9.7  |
| 145°   | 5.7  | 6.9  | 7.5  | 8.0  | 8.6  | 8.6  | 8.6  | 8.6  | 8.6  | 8.6  | 8.6  |
| 147.5° | 4.6  | 5.2  | 6.3  | 6.9  | 6.9  | 7.5  | 7.5  | 7.5  | 7.5  | 7.5  | 7.5  |
| 150°   | 4.0  | 4.0  | 5.2  | 5.7  | 6.3  | 6.3  | 6.3  | 6.3  | 6.3  | 6.3  | 6.3  |
| 152.5° | 2.9  | 3.4  | 4.0  | 4.6  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  |
| 155°   | 2.9  | 2.9  | 3.4  | 3.4  | 4.0  | 4.0  | 4.0  | 4.0  | 4.6  | 4.0  | 4.0  |
| 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: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 |
| 2.5°   | 1105.3 | 1104.8 | 1107.1 | 1104.8 | 1093.3 | 1097.9 | 1096.2 | 1102.5 | 1103.1 | 1104.8 | 1110.5 |
| 5°     | 1099.6 | 1099.6 | 1102.5 | 1100.2 | 1089.3 | 1093.9 | 1093.3 | 1099.6 | 1100.8 | 1101.9 | 1108.2 |
| 7.5°   | 1088.1 | 1088.7 | 1092.7 | 1091.0 | 1079.5 | 1086.4 | 1085.9 | 1093.3 | 1095.6 | 1097.9 | 1103.6 |
| 10°    | 1077.3 | 1076.7 | 1081.3 | 1079.5 | 1068.7 | 1076.7 | 1076.1 | 1083.6 | 1087.0 | 1091.0 | 1097.9 |
| 12.5°  | 1071.5 | 1069.8 | 1071.5 | 1069.8 | 1057.8 | 1064.1 | 1064.6 | 1073.2 | 1077.3 | 1082.4 | 1090.4 |
| 15°    | 1071.5 | 1068.7 | 1068.7 | 1065.2 | 1051.5 | 1055.5 | 1056.0 | 1061.8 | 1066.9 | 1072.1 | 1081.8 |
| 17.5°  | 1070.4 | 1067.5 | 1066.9 | 1064.1 | 1049.2 | 1049.2 | 1048.6 | 1052.6 | 1055.5 | 1060.6 | 1070.9 |
| 20°    | 1064.1 | 1062.9 | 1062.3 | 1060.6 | 1046.9 | 1044.6 | 1043.4 | 1043.4 | 1045.1 | 1046.9 | 1057.2 |
| 22.5°  | 1047.4 | 1048.6 | 1049.7 | 1050.9 | 1040.0 | 1036.0 | 1036.5 | 1035.4 | 1033.7 | 1033.7 | 1042.3 |
| 25°    | 1016.5 | 1022.2 | 1026.8 | 1032.0 | 1025.7 | 1022.8 | 1026.2 | 1024.5 | 1021.6 | 1019.3 | 1026.8 |
| 27.5°  | 967.2  | 979.2  | 989.0  | 1001.6 | 1002.1 | 999.9  | 1009.0 | 1007.9 | 1007.3 | 1003.9 | 1009.6 |
| 30°    | 899.0  | 917.9  | 931.1  | 949.4  | 964.9  | 967.2  | 982.7  | 984.9  | 987.2  | 985.5  | 991.3  |
| 32.5°  | 816.4  | 842.2  | 864.6  | 893.2  | 908.1  | 921.3  | 943.1  | 952.3  | 961.4  | 964.3  | 970.6  |
| 35°    | 726.4  | 755.6  | 782.0  | 813.5  | 837.0  | 865.7  | 892.1  | 905.8  | 926.5  | 934.5  | 943.7  |
| 37.5°  | 641.0  | 668.5  | 694.3  | 725.8  | 763.7  | 793.5  | 826.1  | 857.1  | 885.2  | 896.7  | 910.4  |
| 40°    | 565.3  | 587.6  | 612.3  | 639.8  | 674.2  | 713.2  | 748.7  | 791.7  | 825.0  | 847.9  | 868.0  |
| 42.5°  | 508.0  | 518.8  | 540.1  | 564.7  | 592.2  | 631.8  | 667.9  | 716.1  | 756.2  | 788.9  | 822.1  |
| 45°    | 456.9  | 462.1  | 477.6  | 490.8  | 518.8  | 553.8  | 592.2  | 639.2  | 681.1  | 722.9  | 763.1  |
| 47.5°  | 413.4  | 419.7  | 427.1  | 435.1  | 455.2  | 484.4  | 517.7  | 560.1  | 602.0  | 650.7  | 696.6  |
| 50°    | 384.1  | 385.8  | 387.0  | 390.4  | 402.5  | 422.5  | 449.5  | 485.6  | 525.7  | 577.9  | 626.6  |
| 52.5°  | 358.3  | 358.3  | 354.9  | 353.2  | 357.7  | 370.4  | 385.8  | 411.6  | 452.9  | 501.1  | 552.7  |
| 55°    | 330.8  | 325.6  | 324.5  | 318.8  | 319.9  | 325.6  | 333.1  | 353.2  | 387.0  | 428.3  | 478.1  |
| 57.5°  | 292.4  | 290.1  | 290.1  | 287.8  | 283.2  | 286.1  | 287.8  | 302.1  | 326.2  | 361.8  | 405.3  |
| 60°    | 248.2  | 247.1  | 250.0  | 250.5  | 246.5  | 248.2  | 247.7  | 256.3  | 273.5  | 302.1  | 338.3  |
| 62.5°  | 204.1  | 209.3  | 209.8  | 212.1  | 209.8  | 209.3  | 212.1  | 219.6  | 228.2  | 250.0  | 278.1  |
| 65°    | 171.4  | 174.3  | 174.9  | 177.7  | 176.6  | 176.6  | 178.9  | 184.6  | 189.8  | 204.7  | 226.5  |
| 67.5°  | 150.2  | 149.1  | 149.6  | 151.4  | 149.6  | 149.1  | 150.8  | 154.2  | 158.2  | 167.4  | 182.9  |
| 70°    | 133.6  | 132.4  | 132.4  | 132.4  | 130.1  | 128.4  | 129.0  | 130.1  | 131.9  | 137.0  | 146.8  |
| 72.5°  | 121.0  | 121.0  | 119.2  | 117.5  | 115.8  | 114.7  | 113.5  | 112.4  | 111.8  | 113.5  | 118.7  |
| 75°    | 109.5  | 110.1  | 109.5  | 107.8  | 105.5  | 103.2  | 100.9  | 98.6   | 95.7   | 94.6   | 95.2   |
| 77.5°  | 99.2   | 99.8   | 100.3  | 99.8   | 97.5   | 94.6   | 91.2   | 87.7   | 83.7   | 79.7   | 77.4   |
| 80°    | 90.0   | 91.2   | 91.7   | 91.2   | 89.4   | 87.1   | 83.1   | 79.1   | 73.4   | 68.2   | 62.5   |
| 82.5°  | 82.0   | 83.7   | 84.3   | 84.3   | 83.1   | 80.8   | 76.3   | 71.7   | 65.4   | 58.5   | 51.0   |
| 85°    | 75.7   | 76.8   | 78.0   | 78.0   | 77.4   | 75.1   | 70.5   | 65.4   | 59.1   | 51.0   | 43.0   |
| 87.5°  | 69.4   | 69.9   | 71.1   | 72.2   | 71.1   | 68.8   | 64.8   | 59.1   | 52.7   | 44.7   | 35.5   |
| 90°    | 63.1   | 63.6   | 64.8   | 65.9   | 65.4   | 63.1   | 59.6   | 54.5   | 47.6   | 39.0   | 29.8   |
| 92.5°  | 56.8   | 57.9   | 58.5   | 59.1   | 59.6   | 57.9   | 55.0   | 49.9   | 43.0   | 34.4   | 25.8   |
| 95°    | 52.2   | 52.2   | 53.3   | 53.9   | 54.5   | 52.7   | 50.5   | 45.3   | 39.0   | 31.0   | 22.4   |
| 97.5°  | 47.6   | 47.6   | 48.7   | 48.7   | 49.3   | 48.2   | 45.9   | 41.3   | 35.0   | 27.5   | 18.9   |
| 100°   | 43.0   | 43.6   | 44.1   | 44.7   | 44.7   | 44.1   | 41.9   | 37.3   | 31.5   | 24.7   | 16.6   |
| 102.5° | 40.1   | 40.1   | 40.7   | 40.7   | 41.3   | 40.1   | 37.8   | 33.8   | 28.1   | 21.8   | 14.3   |
| 105°   | 37.3   | 37.3   | 37.8   | 37.8   | 37.3   | 36.1   | 33.8   | 30.4   | 25.2   | 18.9   | 12.6   |
| 107.5° | 35.0   | 35.0   | 35.0   | 35.0   | 34.4   | 33.3   | 31.0   | 26.9   | 22.4   | 17.2   | 11.5   |
| 110°   | 33.3   | 32.7   | 32.7   | 32.1   | 31.5   | 29.8   | 27.5   | 24.1   | 20.1   | 14.9   | 9.7    |

TEST NUMBER: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 31.5 | 31.0 | 30.4 | 29.8 | 28.7 | 26.9 | 24.7 | 21.8 | 17.8 | 13.2 | 8.6  |
| 115°   | 29.8 | 29.2 | 28.7 | 27.5 | 26.4 | 24.7 | 22.4 | 19.5 | 15.5 | 11.5 | 7.5  |
| 117.5° | 28.1 | 27.5 | 26.4 | 25.2 | 24.1 | 22.4 | 20.1 | 17.2 | 13.8 | 10.3 | 6.9  |
| 120°   | 25.8 | 25.2 | 24.7 | 23.5 | 22.4 | 20.1 | 17.8 | 15.5 | 12.0 | 9.2  | 5.7  |
| 122.5° | 24.1 | 23.5 | 22.4 | 21.8 | 20.1 | 18.3 | 16.1 | 13.8 | 10.9 | 8.0  | 5.2  |
| 125°   | 21.8 | 21.2 | 20.6 | 19.5 | 18.3 | 16.1 | 14.3 | 12.0 | 9.7  | 6.9  | 4.0  |
| 127.5° | 20.1 | 19.5 | 18.3 | 17.2 | 16.1 | 14.3 | 12.6 | 10.9 | 8.6  | 5.7  | 4.0  |
| 130°   | 17.8 | 17.2 | 16.6 | 15.5 | 14.3 | 12.6 | 11.5 | 9.2  | 7.5  | 5.2  | 3.4  |
| 132.5° | 15.5 | 15.5 | 14.9 | 13.8 | 12.6 | 11.5 | 9.7  | 8.0  | 6.3  | 4.6  | 2.9  |
| 135°   | 14.3 | 13.8 | 13.2 | 12.0 | 11.5 | 9.7  | 8.6  | 6.9  | 5.2  | 4.0  | 2.3  |
| 137.5° | 12.6 | 12.0 | 11.5 | 10.9 | 9.7  | 8.6  | 7.5  | 5.7  | 4.6  | 3.4  | 2.3  |
| 140°   | 10.9 | 10.3 | 10.3 | 9.2  | 8.6  | 7.5  | 6.3  | 5.2  | 4.0  | 2.9  | 1.7  |
| 142.5° | 9.7  | 9.2  | 8.6  | 8.0  | 7.5  | 6.3  | 5.2  | 4.0  | 3.4  | 2.3  | 1.7  |
| 145°   | 8.6  | 8.0  | 7.5  | 6.9  | 6.3  | 5.2  | 4.6  | 3.4  | 2.9  | 2.3  | 1.7  |
| 147.5° | 6.9  | 6.9  | 6.3  | 5.7  | 5.2  | 4.6  | 4.0  | 3.4  | 2.3  | 1.7  | 1.1  |
| 150°   | 5.7  | 5.7  | 5.2  | 4.6  | 4.6  | 4.0  | 3.4  | 2.9  | 2.3  | 1.7  | 1.1  |
| 152.5° | 5.2  | 4.6  | 4.6  | 4.0  | 4.0  | 3.4  | 2.9  | 2.3  | 1.7  | 1.7  | 1.1  |
| 155°   | 4.0  | 4.0  | 4.0  | 3.4  | 3.4  | 2.9  | 2.3  | 2.3  | 1.7  | 1.1  | 1.1  |
| 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: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 |
| 2.5°   | 1111.6 | 1104.8 | 1110.5 | 1120.8 | 1119.7 | 1118.5 | 1117.4 | 1119.7 | 1127.1 | 1123.1 | 1116.8 |
| 5°     | 1109.9 | 1103.1 | 1109.4 | 1119.1 | 1118.5 | 1116.8 | 1115.7 | 1118.0 | 1125.4 | 1121.4 | 1114.5 |
| 7.5°   | 1106.5 | 1100.2 | 1104.8 | 1114.5 | 1114.5 | 1113.4 | 1112.2 | 1114.5 | 1121.4 | 1118.0 | 1111.1 |
| 10°    | 1100.8 | 1096.2 | 1100.8 | 1109.9 | 1110.5 | 1108.2 | 1107.1 | 1109.9 | 1116.8 | 1115.1 | 1109.4 |
| 12.5°  | 1096.2 | 1091.6 | 1096.7 | 1105.9 | 1106.5 | 1104.2 | 1102.5 | 1105.9 | 1115.1 | 1116.2 | 1114.5 |
| 15°    | 1089.9 | 1085.9 | 1092.2 | 1101.9 | 1101.9 | 1100.2 | 1100.2 | 1104.8 | 1117.4 | 1122.5 | 1125.4 |
| 17.5°  | 1080.7 | 1077.8 | 1085.3 | 1095.0 | 1095.6 | 1094.5 | 1095.0 | 1104.2 | 1120.8 | 1133.4 | 1141.5 |
| 20°    | 1069.2 | 1068.1 | 1076.1 | 1086.4 | 1088.1 | 1088.7 | 1091.6 | 1105.3 | 1128.3 | 1145.5 | 1153.5 |
| 22.5°  | 1055.5 | 1056.0 | 1065.2 | 1076.1 | 1078.4 | 1080.1 | 1085.9 | 1105.3 | 1134.0 | 1152.4 | 1155.8 |
| 25°    | 1040.0 | 1041.7 | 1051.5 | 1064.6 | 1067.5 | 1070.9 | 1080.7 | 1105.9 | 1135.7 | 1147.8 | 1142.0 |
| 27.5°  | 1023.4 | 1026.8 | 1039.4 | 1053.2 | 1056.6 | 1062.3 | 1075.0 | 1102.5 | 1127.7 | 1128.3 | 1107.1 |
| 30°    | 1006.2 | 1010.2 | 1025.1 | 1041.1 | 1046.9 | 1052.6 | 1068.1 | 1094.5 | 1108.2 | 1089.9 | 1052.6 |
| 32.5°  | 986.7  | 992.4  | 1007.3 | 1026.8 | 1033.7 | 1041.1 | 1056.6 | 1079.0 | 1073.8 | 1034.3 | 980.9  |
| 35°    | 962.0  | 970.0  | 987.2  | 1010.2 | 1016.5 | 1026.2 | 1037.1 | 1042.3 | 1019.3 | 963.2  | 903.0  |
| 37.5°  | 931.6  | 943.7  | 963.7  | 990.1  | 997.0  | 1003.3 | 1006.2 | 991.8  | 946.0  | 885.2  | 822.7  |
| 40°    | 896.7  | 915.0  | 936.8  | 966.0  | 972.9  | 972.9  | 962.6  | 932.2  | 874.3  | 794.6  | 725.2  |
| 42.5°  | 854.2  | 876.6  | 904.1  | 933.4  | 940.2  | 932.2  | 907.6  | 854.2  | 788.3  | 699.4  | 626.1  |
| 45°    | 802.6  | 832.4  | 863.4  | 893.8  | 897.2  | 879.5  | 835.3  | 767.7  | 686.3  | 603.7  | 533.8  |
| 47.5°  | 741.3  | 780.3  | 814.1  | 848.5  | 843.9  | 814.1  | 755.1  | 678.2  | 592.2  | 514.3  | 458.1  |
| 50°    | 672.5  | 718.4  | 756.2  | 788.9  | 779.1  | 737.9  | 668.5  | 588.2  | 502.8  | 436.3  | 389.9  |
| 52.5°  | 599.1  | 651.9  | 689.7  | 716.1  | 702.9  | 653.6  | 577.3  | 500.5  | 430.6  | 369.8  | 338.8  |
| 55°    | 522.9  | 576.2  | 615.2  | 635.8  | 618.6  | 565.3  | 490.2  | 420.2  | 354.3  | 314.7  | 296.4  |
| 57.5°  | 448.9  | 498.8  | 535.5  | 552.1  | 530.3  | 477.0  | 407.6  | 348.6  | 301.0  | 267.7  | 258.6  |
| 60°    | 377.8  | 418.5  | 453.5  | 466.1  | 442.6  | 393.3  | 333.7  | 286.7  | 251.7  | 228.8  | 224.2  |
| 62.5°  | 311.9  | 345.1  | 372.7  | 382.4  | 359.5  | 321.1  | 269.5  | 234.5  | 209.8  | 198.4  | 192.6  |
| 65°    | 257.4  | 276.9  | 305.0  | 303.3  | 289.5  | 254.0  | 216.1  | 191.5  | 175.4  | 168.0  | 164.5  |
| 67.5°  | 202.4  | 220.2  | 237.9  | 240.2  | 223.0  | 198.4  | 173.7  | 155.9  | 147.3  | 143.3  | 141.6  |
| 70°    | 156.5  | 169.7  | 180.6  | 177.7  | 168.6  | 153.1  | 137.6  | 127.8  | 124.4  | 122.7  | 122.7  |
| 72.5°  | 121.5  | 128.4  | 133.6  | 130.1  | 124.4  | 116.4  | 108.9  | 104.9  | 105.5  | 106.6  | 107.8  |
| 75°    | 94.0   | 95.7   | 96.9   | 93.4   | 92.3   | 87.1   | 86.6   | 87.1   | 90.6   | 94.0   | 95.7   |
| 77.5°  | 72.2   | 69.9   | 68.2   | 64.8   | 65.4   | 64.8   | 67.7   | 72.2   | 77.4   | 82.6   | 87.1   |
| 80°    | 55.6   | 50.5   | 46.4   | 43.0   | 44.7   | 47.6   | 53.3   | 60.2   | 67.1   | 72.8   | 78.5   |
| 82.5°  | 43.0   | 35.5   | 29.8   | 26.4   | 29.8   | 34.4   | 41.9   | 50.5   | 58.5   | 64.8   | 71.1   |
| 85°    | 33.3   | 24.7   | 17.8   | 14.3   | 17.8   | 24.7   | 32.7   | 42.4   | 51.0   | 57.9   | 64.2   |
| 87.5°  | 25.8   | 17.8   | 9.7    | 5.7    | 9.7    | 17.2   | 26.4   | 35.5   | 44.1   | 52.2   | 58.5   |
| 90°    | 20.6   | 12.0   | 4.6    | 1.1    | 5.2    | 12.0   | 20.6   | 29.8   | 38.4   | 47.0   | 53.3   |
| 92.5°  | 16.6   | 8.6    | 2.3    | 0.0    | 2.9    | 9.2    | 17.2   | 25.8   | 34.4   | 42.4   | 48.7   |
| 95°    | 13.8   | 6.9    | 1.7    | 0.0    | 2.3    | 6.9    | 13.8   | 22.4   | 30.4   | 38.4   | 43.6   |
| 97.5°  | 11.5   | 5.2    | 1.1    | 0.0    | 1.1    | 5.7    | 11.5   | 18.9   | 26.9   | 34.4   | 39.6   |
| 100°   | 9.7    | 4.6    | 1.1    | 0.0    | 1.1    | 4.6    | 9.7    | 16.6   | 23.5   | 30.4   | 35.5   |
| 102.5° | 8.0    | 3.4    | 0.6    | 0.6    | 0.6    | 3.4    | 8.6    | 14.3   | 20.6   | 26.9   | 32.1   |
| 105°   | 7.5    | 2.9    | 0.6    | 0.6    | 0.6    | 2.9    | 7.5    | 12.6   | 18.3   | 24.1   | 28.7   |
| 107.5° | 6.3    | 2.3    | 0.6    | 0.6    | 0.6    | 2.3    | 6.3    | 10.9   | 16.6   | 21.8   | 25.8   |
| 110°   | 5.2    | 2.3    | 0.6    | 0.6    | 0.6    | 2.3    | 5.2    | 9.7    | 14.3   | 18.9   | 22.9   |

TEST NUMBER: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 4.6  | 1.7  | 0.6  | 0.6  | 0.6  | 1.7  | 4.6  | 8.6  | 12.6 | 17.2 | 20.6 |
| 115°   | 4.0  | 1.7  | 0.6  | 0.6  | 0.6  | 1.7  | 4.0  | 7.5  | 10.9 | 14.9 | 18.3 |
| 117.5° | 3.4  | 1.7  | 0.6  | 0.6  | 0.6  | 1.1  | 3.4  | 6.3  | 9.7  | 13.2 | 16.6 |
| 120°   | 2.9  | 1.1  | 0.6  | 0.6  | 0.6  | 1.1  | 2.9  | 5.7  | 8.6  | 11.5 | 14.3 |
| 122.5° | 2.9  | 1.1  | 0.6  | 0.6  | 0.6  | 1.1  | 2.3  | 4.6  | 7.5  | 9.7  | 12.6 |
| 125°   | 2.3  | 1.1  | 0.6  | 0.6  | 0.6  | 0.6  | 2.3  | 4.0  | 6.3  | 8.6  | 10.9 |
| 127.5° | 2.3  | 1.1  | 0.6  | 0.6  | 0.6  | 0.6  | 1.7  | 3.4  | 5.2  | 7.5  | 9.7  |
| 130°   | 1.7  | 1.1  | 0.6  | 0.6  | 0.6  | 0.6  | 1.1  | 2.9  | 4.6  | 6.3  | 8.0  |
| 132.5° | 1.7  | 1.1  | 0.6  | 0.6  | 0.6  | 0.6  | 1.1  | 2.3  | 3.4  | 5.2  | 6.9  |
| 135°   | 1.7  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 1.7  | 2.9  | 4.0  | 5.2  |
| 137.5° | 1.1  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 1.1  | 2.3  | 2.9  | 4.6  |
| 140°   | 1.1  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 1.1  | 1.7  | 2.3  | 3.4  |
| 142.5° | 1.1  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 1.1  | 1.7  | 2.9  |
| 145°   | 1.1  | 0.6  | 0.6  | 1.1  | 1.1  | 0.6  | 0.6  | 1.1  | 1.1  | 1.7  | 2.3  |
| 147.5° | 1.1  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 1.1  | 1.1  | 1.7  |
| 150°   | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.7  |
| 152.5° | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  |
| 155°   | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  |
| 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: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 |
| 2.5°   | 1115.7 | 1102.5 | 1109.4 | 1107.1 | 1109.4 | 1115.1 | 1114.5 | 1112.8 | 1113.9 | 1111.1 | 1108.2 |
| 5°     | 1113.4 | 1100.2 | 1107.1 | 1104.2 | 1107.1 | 1112.8 | 1111.6 | 1109.9 | 1111.6 | 1108.2 | 1105.3 |
| 7.5°   | 1110.5 | 1098.5 | 1106.5 | 1105.9 | 1111.1 | 1118.5 | 1119.1 | 1119.1 | 1123.1 | 1118.0 | 1115.7 |
| 10°    | 1110.5 | 1104.2 | 1115.1 | 1119.1 | 1132.3 | 1142.0 | 1143.2 | 1145.5 | 1152.4 | 1151.2 | 1145.5 |
| 12.5°  | 1122.5 | 1121.4 | 1137.4 | 1147.2 | 1159.2 | 1173.0 | 1180.4 | 1182.7 | 1187.3 | 1183.9 | 1181.6 |
| 15°    | 1138.0 | 1143.8 | 1161.5 | 1172.4 | 1185.6 | 1195.9 | 1197.6 | 1198.8 | 1202.2 | 1197.1 | 1193.1 |
| 17.5°  | 1158.7 | 1162.1 | 1176.4 | 1181.0 | 1189.6 | 1191.3 | 1189.0 | 1183.3 | 1183.3 | 1171.8 | 1168.4 |
| 20°    | 1168.4 | 1166.7 | 1172.4 | 1165.0 | 1161.5 | 1151.2 | 1141.5 | 1130.6 | 1130.0 | 1118.0 | 1116.8 |
| 22.5°  | 1159.8 | 1148.3 | 1136.3 | 1118.0 | 1109.9 | 1095.0 | 1081.8 | 1075.5 | 1071.5 | 1056.0 | 1052.0 |
| 25°    | 1129.4 | 1101.3 | 1083.6 | 1061.8 | 1042.3 | 1025.1 | 1012.5 | 999.3  | 986.7  | 974.1  | 968.3  |
| 27.5°  | 1076.7 | 1050.3 | 1021.6 | 991.3  | 964.3  | 937.9  | 916.7  | 903.5  | 891.5  | 874.9  | 866.3  |
| 30°    | 1011.9 | 975.2  | 943.7  | 914.4  | 870.3  | 838.2  | 820.4  | 794.0  | 784.9  | 777.4  | 761.4  |
| 32.5°  | 935.6  | 891.5  | 848.5  | 808.9  | 763.7  | 733.8  | 710.3  | 690.8  | 685.1  | 665.6  | 661.0  |
| 35°    | 851.4  | 793.5  | 744.7  | 705.7  | 673.1  | 636.9  | 617.5  | 604.3  | 592.8  | 579.6  | 577.3  |
| 37.5°  | 752.2  | 700.0  | 645.0  | 610.6  | 584.8  | 553.8  | 538.9  | 529.7  | 524.6  | 514.8  | 513.1  |
| 40°    | 652.4  | 600.3  | 562.4  | 528.0  | 512.0  | 495.3  | 484.4  | 480.4  | 478.1  | 474.7  | 471.3  |
| 42.5°  | 561.8  | 516.0  | 489.0  | 466.1  | 459.2  | 451.2  | 448.3  | 450.6  | 448.3  | 447.2  | 446.6  |
| 45°    | 485.0  | 450.0  | 431.1  | 424.3  | 422.5  | 420.2  | 422.5  | 426.5  | 427.1  | 426.0  | 426.0  |
| 47.5°  | 415.1  | 398.5  | 390.4  | 391.6  | 394.4  | 396.2  | 400.2  | 405.3  | 406.5  | 403.6  | 404.8  |
| 50°    | 369.2  | 359.5  | 357.7  | 362.3  | 368.6  | 370.9  | 375.5  | 379.5  | 379.0  | 377.8  | 376.7  |
| 52.5°  | 326.2  | 323.3  | 327.9  | 332.5  | 339.4  | 340.5  | 342.3  | 344.0  | 343.4  | 341.1  | 340.0  |
| 55°    | 290.1  | 292.4  | 296.4  | 298.1  | 303.3  | 302.7  | 303.3  | 303.3  | 301.0  | 299.8  | 298.1  |
| 57.5°  | 257.4  | 258.0  | 260.3  | 260.9  | 263.7  | 262.6  | 262.0  | 260.9  | 257.4  | 256.8  | 255.1  |
| 60°    | 224.2  | 223.0  | 228.2  | 224.2  | 226.5  | 224.2  | 223.6  | 220.7  | 217.3  | 216.7  | 215.6  |
| 62.5°  | 192.6  | 190.3  | 193.8  | 192.1  | 193.2  | 190.9  | 189.8  | 186.3  | 183.5  | 182.9  | 182.3  |
| 65°    | 164.5  | 163.4  | 166.8  | 166.3  | 167.4  | 164.5  | 163.4  | 161.1  | 158.8  | 158.2  | 157.7  |
| 67.5°  | 141.0  | 143.9  | 145.6  | 145.6  | 146.8  | 146.2  | 143.3  | 142.8  | 142.2  | 139.9  | 139.9  |
| 70°    | 123.8  | 125.6  | 129.0  | 129.6  | 129.0  | 130.1  | 127.8  | 127.3  | 126.7  | 125.6  | 125.0  |
| 72.5°  | 110.1  | 112.4  | 115.8  | 116.4  | 115.8  | 115.8  | 114.7  | 114.1  | 114.1  | 112.4  | 112.4  |
| 75°    | 99.2   | 102.0  | 104.9  | 104.9  | 104.9  | 103.8  | 102.6  | 102.6  | 101.5  | 100.9  | 99.8   |
| 77.5°  | 90.0   | 93.4   | 95.7   | 95.2   | 94.6   | 93.4   | 93.4   | 91.7   | 90.0   | 90.0   | 88.9   |
| 80°    | 83.1   | 85.4   | 87.1   | 86.6   | 86.0   | 84.3   | 83.7   | 82.0   | 80.8   | 79.1   | 79.1   |
| 82.5°  | 75.7   | 78.5   | 79.7   | 79.1   | 78.0   | 76.3   | 75.7   | 74.5   | 73.4   | 72.8   | 71.7   |
| 85°    | 69.4   | 72.2   | 72.8   | 71.7   | 70.5   | 69.4   | 68.8   | 68.2   | 67.7   | 66.5   | 66.5   |
| 87.5°  | 63.1   | 65.9   | 65.9   | 65.4   | 64.2   | 63.6   | 63.1   | 62.5   | 61.9   | 61.3   | 60.8   |
| 90°    | 57.9   | 60.2   | 60.2   | 59.6   | 59.1   | 58.5   | 57.9   | 57.3   | 56.8   | 56.2   | 56.2   |
| 92.5°  | 52.7   | 55.0   | 55.0   | 54.5   | 53.9   | 53.3   | 53.3   | 52.7   | 52.2   | 51.6   | 51.0   |
| 95°    | 48.2   | 50.5   | 50.5   | 50.5   | 49.9   | 49.3   | 49.3   | 48.7   | 48.2   | 48.2   | 47.6   |
| 97.5°  | 43.6   | 45.9   | 45.9   | 45.9   | 45.3   | 44.7   | 44.7   | 44.1   | 44.1   | 44.1   | 43.6   |
| 100°   | 39.6   | 41.3   | 41.9   | 41.9   | 41.3   | 41.3   | 41.3   | 40.7   | 40.7   | 40.7   | 40.1   |
| 102.5° | 35.5   | 37.3   | 38.4   | 38.4   | 38.4   | 37.8   | 37.8   | 37.8   | 37.8   | 37.8   | 37.3   |
| 105°   | 32.1   | 33.8   | 35.0   | 35.5   | 35.5   | 35.5   | 35.5   | 35.5   | 35.5   | 35.5   | 35.5   |
| 107.5° | 29.2   | 31.0   | 32.1   | 32.7   | 33.3   | 33.3   | 33.8   | 33.8   | 33.8   | 33.8   | 33.8   |
| 110°   | 26.4   | 28.1   | 29.8   | 30.4   | 31.0   | 31.5   | 31.5   | 32.1   | 31.5   | 31.5   | 31.5   |

TEST NUMBER: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 23.5 | 25.8 | 26.9 | 28.1 | 28.7 | 29.2 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 |
| 115°   | 21.2 | 23.5 | 24.7 | 25.8 | 26.9 | 27.5 | 27.5 | 28.1 | 28.1 | 28.1 | 27.5 |
| 117.5° | 18.9 | 21.2 | 22.4 | 23.5 | 24.1 | 25.2 | 25.8 | 25.8 | 25.8 | 25.8 | 25.2 |
| 120°   | 17.2 | 18.9 | 20.1 | 21.2 | 22.4 | 22.9 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 |
| 122.5° | 14.9 | 16.6 | 18.3 | 19.5 | 20.1 | 20.6 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 125°   | 13.2 | 14.9 | 16.1 | 17.2 | 17.8 | 18.9 | 18.9 | 18.9 | 18.9 | 18.9 | 18.9 |
| 127.5° | 11.5 | 13.2 | 14.3 | 15.5 | 16.1 | 16.6 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 |
| 130°   | 9.7  | 11.5 | 12.6 | 13.8 | 14.3 | 14.9 | 14.9 | 15.5 | 15.5 | 15.5 | 15.5 |
| 132.5° | 8.6  | 9.7  | 10.9 | 12.0 | 12.6 | 13.2 | 13.2 | 13.8 | 13.8 | 13.8 | 13.8 |
| 135°   | 6.9  | 8.6  | 9.2  | 10.3 | 10.9 | 11.5 | 11.5 | 12.0 | 12.0 | 12.0 | 12.0 |
| 137.5° | 5.7  | 6.9  | 8.0  | 9.2  | 9.7  | 9.7  | 10.3 | 10.3 | 10.9 | 10.9 | 10.9 |
| 140°   | 4.6  | 5.2  | 6.9  | 7.5  | 8.0  | 8.6  | 9.2  | 9.2  | 9.2  | 9.2  | 9.2  |
| 142.5° | 3.4  | 4.6  | 5.2  | 6.3  | 6.9  | 7.5  | 8.0  | 8.0  | 8.0  | 8.0  | 8.0  |
| 145°   | 2.9  | 3.4  | 4.0  | 5.2  | 5.7  | 6.3  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  |
| 147.5° | 2.3  | 2.9  | 3.4  | 4.0  | 4.6  | 5.2  | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  |
| 150°   | 1.7  | 2.3  | 2.9  | 2.9  | 3.4  | 4.0  | 4.6  | 5.2  | 5.2  | 5.2  | 5.2  |
| 152.5° | 1.7  | 1.7  | 2.3  | 2.3  | 2.9  | 3.4  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  |
| 155°   | 1.1  | 1.7  | 1.7  | 1.7  | 2.3  | 2.3  | 2.9  | 3.4  | 3.4  | 3.4  | 3.4  |
| 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: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 |
| 2.5°   | 1109.9 | 1112.2 | 1111.1 | 1109.4 | 1108.8 | 1111.6 | 1108.8 | 1095.6 | 1100.8 | 1101.3 | 1105.3 |
| 5°     | 1108.2 | 1109.9 | 1108.8 | 1107.6 | 1105.9 | 1109.4 | 1105.9 | 1092.2 | 1097.3 | 1097.9 | 1101.9 |
| 7.5°   | 1119.7 | 1120.2 | 1120.2 | 1117.4 | 1112.8 | 1114.5 | 1109.9 | 1094.5 | 1097.3 | 1097.3 | 1100.2 |
| 10°    | 1148.3 | 1149.5 | 1151.2 | 1143.8 | 1138.0 | 1133.4 | 1127.1 | 1108.2 | 1107.6 | 1103.1 | 1103.1 |
| 12.5°  | 1185.6 | 1182.7 | 1179.9 | 1176.4 | 1171.8 | 1166.1 | 1156.9 | 1134.6 | 1127.1 | 1119.7 | 1112.2 |
| 15°    | 1196.5 | 1195.4 | 1194.8 | 1193.1 | 1190.2 | 1188.5 | 1181.6 | 1159.2 | 1148.3 | 1139.2 | 1126.0 |
| 17.5°  | 1167.8 | 1170.1 | 1177.6 | 1178.2 | 1181.6 | 1188.5 | 1187.3 | 1171.8 | 1162.1 | 1158.1 | 1142.0 |
| 20°    | 1116.2 | 1116.8 | 1126.0 | 1130.0 | 1144.9 | 1156.4 | 1165.0 | 1163.2 | 1161.0 | 1165.5 | 1153.5 |
| 22.5°  | 1054.3 | 1058.3 | 1068.1 | 1074.4 | 1088.7 | 1101.9 | 1115.7 | 1123.1 | 1135.2 | 1154.1 | 1151.8 |
| 25°    | 970.0  | 975.2  | 989.0  | 999.3  | 1019.3 | 1039.4 | 1057.8 | 1070.9 | 1085.3 | 1121.4 | 1133.4 |
| 27.5°  | 869.1  | 877.2  | 894.9  | 905.3  | 933.4  | 954.0  | 980.4  | 1006.2 | 1026.2 | 1067.5 | 1092.2 |
| 30°    | 763.1  | 770.0  | 788.9  | 803.2  | 827.3  | 855.4  | 888.6  | 925.3  | 958.6  | 1000.4 | 1031.4 |
| 32.5°  | 663.9  | 671.3  | 686.8  | 699.4  | 726.4  | 749.9  | 786.6  | 831.9  | 862.8  | 920.7  | 962.0  |
| 35°    | 577.3  | 584.2  | 595.1  | 606.0  | 628.3  | 652.4  | 684.0  | 728.1  | 767.7  | 827.9  | 880.0  |
| 37.5°  | 516.6  | 517.7  | 524.0  | 530.3  | 546.9  | 565.3  | 589.9  | 628.9  | 665.6  | 730.4  | 787.7  |
| 40°    | 473.0  | 473.0  | 476.4  | 478.1  | 485.6  | 496.5  | 512.0  | 542.4  | 572.7  | 622.0  | 692.0  |
| 42.5°  | 446.0  | 444.9  | 444.9  | 445.5  | 444.9  | 450.0  | 459.2  | 473.6  | 500.5  | 541.2  | 595.7  |
| 45°    | 426.0  | 423.7  | 422.0  | 417.9  | 415.7  | 415.7  | 416.2  | 421.4  | 436.9  | 463.2  | 507.4  |
| 47.5°  | 403.6  | 403.0  | 400.2  | 395.6  | 391.6  | 388.7  | 384.1  | 382.4  | 387.0  | 401.9  | 431.7  |
| 50°    | 377.8  | 374.9  | 372.1  | 368.6  | 364.1  | 361.2  | 352.6  | 353.2  | 349.1  | 356.0  | 371.5  |
| 52.5°  | 340.0  | 337.7  | 336.5  | 333.7  | 331.9  | 330.8  | 323.9  | 317.0  | 315.3  | 316.5  | 322.2  |
| 55°    | 298.1  | 299.3  | 294.7  | 297.0  | 296.4  | 291.2  | 288.4  | 283.2  | 281.5  | 280.9  | 283.8  |
| 57.5°  | 254.6  | 255.7  | 252.8  | 255.1  | 255.1  | 252.3  | 250.5  | 250.5  | 246.5  | 243.1  | 247.1  |
| 60°    | 215.0  | 212.7  | 214.4  | 217.3  | 217.3  | 215.6  | 214.4  | 214.4  | 211.6  | 210.4  | 213.3  |
| 62.5°  | 182.9  | 180.6  | 182.3  | 185.2  | 185.8  | 184.6  | 183.5  | 183.5  | 180.0  | 180.0  | 182.3  |
| 65°    | 158.2  | 158.8  | 158.2  | 160.5  | 160.5  | 161.1  | 160.0  | 158.8  | 154.8  | 156.5  | 155.9  |
| 67.5°  | 140.5  | 139.9  | 139.9  | 142.2  | 141.6  | 142.8  | 141.6  | 139.9  | 137.0  | 134.7  | 134.2  |
| 70°    | 125.6  | 125.0  | 125.0  | 126.1  | 126.7  | 126.7  | 126.1  | 125.0  | 121.0  | 118.7  | 117.0  |
| 72.5°  | 112.4  | 111.8  | 112.4  | 112.9  | 113.5  | 114.1  | 113.5  | 112.4  | 108.9  | 106.1  | 103.2  |
| 75°    | 100.3  | 99.8   | 101.5  | 101.5  | 102.0  | 102.0  | 102.6  | 102.0  | 99.2   | 95.7   | 92.3   |
| 77.5°  | 88.3   | 88.9   | 90.6   | 91.2   | 92.3   | 92.9   | 93.4   | 93.4   | 90.6   | 87.7   | 83.1   |
| 80°    | 78.5   | 79.7   | 80.8   | 81.4   | 82.6   | 84.3   | 84.9   | 85.4   | 83.1   | 80.3   | 75.1   |
| 82.5°  | 71.7   | 72.2   | 73.4   | 74.0   | 75.7   | 76.3   | 76.8   | 78.0   | 76.8   | 74.0   | 68.2   |
| 85°    | 65.9   | 66.5   | 67.7   | 67.7   | 68.8   | 69.9   | 70.5   | 71.1   | 70.5   | 67.7   | 61.9   |
| 87.5°  | 60.8   | 61.3   | 61.9   | 62.5   | 63.1   | 63.6   | 64.2   | 64.8   | 64.2   | 61.3   | 56.2   |
| 90°    | 56.2   | 56.2   | 56.8   | 56.8   | 57.3   | 57.9   | 59.1   | 59.1   | 58.5   | 56.2   | 51.0   |
| 92.5°  | 51.0   | 51.6   | 51.6   | 52.2   | 52.7   | 53.3   | 53.9   | 53.9   | 53.3   | 51.0   | 46.4   |
| 95°    | 47.6   | 47.6   | 48.2   | 48.2   | 48.7   | 48.7   | 49.3   | 49.3   | 48.7   | 46.4   | 41.9   |
| 97.5°  | 43.6   | 43.6   | 43.6   | 43.6   | 44.1   | 44.1   | 44.7   | 44.7   | 44.1   | 41.9   | 37.8   |
| 100°   | 40.1   | 40.1   | 40.1   | 40.1   | 40.1   | 40.7   | 40.7   | 40.7   | 40.1   | 37.8   | 33.8   |
| 102.5° | 37.3   | 37.3   | 37.3   | 37.3   | 37.3   | 37.3   | 37.3   | 37.3   | 36.1   | 34.4   | 30.4   |
| 105°   | 35.5   | 35.5   | 35.5   | 35.0   | 35.0   | 35.0   | 34.4   | 34.4   | 32.7   | 31.0   | 27.5   |
| 107.5° | 33.3   | 33.3   | 33.3   | 32.7   | 32.7   | 32.1   | 31.5   | 31.5   | 29.8   | 28.1   | 24.7   |
| 110°   | 31.5   | 31.5   | 31.5   | 31.0   | 30.4   | 29.8   | 29.2   | 28.7   | 26.9   | 24.7   | 21.8   |

TEST NUMBER: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 29.8 | 29.8 | 29.2 | 29.2 | 28.7 | 28.1 | 26.9 | 26.4 | 24.7 | 22.4 | 19.5 |
| 115°   | 27.5 | 27.5 | 27.5 | 26.9 | 26.4 | 25.8 | 25.2 | 24.1 | 22.4 | 20.1 | 17.2 |
| 117.5° | 25.2 | 25.2 | 25.2 | 24.7 | 24.1 | 23.5 | 22.9 | 21.8 | 20.1 | 17.8 | 15.5 |
| 120°   | 22.9 | 22.9 | 22.9 | 22.4 | 21.8 | 21.2 | 20.6 | 19.5 | 17.8 | 16.1 | 13.2 |
| 122.5° | 21.2 | 21.2 | 20.6 | 20.1 | 19.5 | 18.9 | 18.3 | 17.2 | 16.1 | 13.8 | 11.5 |
| 125°   | 18.9 | 18.9 | 18.3 | 18.3 | 17.8 | 17.2 | 16.6 | 15.5 | 13.8 | 12.0 | 10.3 |
| 127.5° | 17.2 | 16.6 | 16.6 | 16.6 | 16.1 | 15.5 | 14.3 | 13.8 | 12.0 | 10.3 | 8.6  |
| 130°   | 14.9 | 14.9 | 14.9 | 14.3 | 14.3 | 13.8 | 12.6 | 11.5 | 10.3 | 9.2  | 7.5  |
| 132.5° | 13.2 | 13.2 | 13.2 | 13.2 | 12.6 | 12.0 | 10.9 | 10.3 | 9.2  | 7.5  | 6.3  |
| 135°   | 12.0 | 12.0 | 11.5 | 11.5 | 10.9 | 10.3 | 9.7  | 8.6  | 7.5  | 6.3  | 5.2  |
| 137.5° | 10.3 | 10.3 | 10.3 | 9.7  | 9.7  | 9.2  | 8.0  | 7.5  | 6.9  | 5.7  | 4.6  |
| 140°   | 9.2  | 9.2  | 8.6  | 8.6  | 8.0  | 8.0  | 7.5  | 6.3  | 5.7  | 4.6  | 4.0  |
| 142.5° | 8.0  | 8.0  | 7.5  | 7.5  | 6.9  | 6.9  | 6.3  | 5.7  | 4.6  | 4.0  | 2.9  |
| 145°   | 6.9  | 6.9  | 6.3  | 6.3  | 6.3  | 5.7  | 5.2  | 4.6  | 4.0  | 3.4  | 2.9  |
| 147.5° | 5.7  | 5.7  | 5.7  | 5.2  | 5.2  | 4.6  | 4.6  | 4.0  | 3.4  | 2.9  | 2.3  |
| 150°   | 5.2  | 5.2  | 4.6  | 4.6  | 4.6  | 4.0  | 3.4  | 3.4  | 2.9  | 2.3  | 1.7  |
| 152.5° | 4.0  | 4.0  | 4.0  | 4.0  | 3.4  | 3.4  | 2.9  | 2.9  | 2.3  | 1.7  | 1.7  |
| 155°   | 3.4  | 3.4  | 3.4  | 2.9  | 2.9  | 2.9  | 2.3  | 2.3  | 1.7  | 1.7  | 1.1  |
| 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: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 | 1109.9 |
| 2.5°   | 1103.6 | 1103.1 | 1108.2 | 1107.6 | 1100.8 | 1111.1 | 1118.0 |
| 5°     | 1100.8 | 1100.2 | 1104.8 | 1105.9 | 1098.5 | 1109.4 | 1116.8 |
| 7.5°   | 1098.5 | 1097.9 | 1103.1 | 1104.8 | 1097.3 | 1107.1 | 1115.1 |
| 10°    | 1099.0 | 1096.2 | 1100.8 | 1101.9 | 1095.0 | 1105.3 | 1112.2 |
| 12.5°  | 1103.1 | 1096.2 | 1097.9 | 1097.9 | 1091.6 | 1100.8 | 1108.2 |
| 15°    | 1112.8 | 1098.5 | 1096.2 | 1094.5 | 1086.4 | 1095.0 | 1102.5 |
| 17.5°  | 1123.7 | 1104.2 | 1096.2 | 1090.4 | 1080.7 | 1088.1 | 1096.2 |
| 20°    | 1134.6 | 1110.5 | 1097.3 | 1088.1 | 1075.0 | 1081.8 | 1087.6 |
| 22.5°  | 1139.7 | 1116.2 | 1098.5 | 1084.7 | 1068.1 | 1071.5 | 1077.8 |
| 25°    | 1132.9 | 1113.9 | 1096.2 | 1079.5 | 1059.5 | 1060.1 | 1065.2 |
| 27.5°  | 1107.6 | 1102.5 | 1091.0 | 1074.4 | 1052.6 | 1049.7 | 1053.7 |
| 30°    | 1064.6 | 1079.0 | 1079.5 | 1067.5 | 1044.6 | 1038.8 | 1040.6 |
| 32.5°  | 1004.4 | 1036.5 | 1055.5 | 1053.2 | 1033.1 | 1025.1 | 1026.2 |
| 35°    | 935.1  | 975.2  | 1016.5 | 1030.2 | 1015.9 | 1009.6 | 1007.3 |
| 37.5°  | 851.9  | 905.8  | 960.9  | 994.7  | 992.4  | 988.4  | 986.1  |
| 40°    | 760.2  | 825.0  | 890.4  | 944.2  | 960.9  | 960.9  | 962.0  |
| 42.5°  | 662.2  | 737.9  | 809.5  | 877.7  | 916.7  | 925.3  | 928.8  |
| 45°    | 567.6  | 643.8  | 721.8  | 800.3  | 852.5  | 879.5  | 889.2  |
| 47.5°  | 481.6  | 558.4  | 632.4  | 718.4  | 787.7  | 822.7  | 838.2  |
| 50°    | 408.2  | 465.5  | 543.5  | 628.9  | 704.6  | 747.6  | 778.0  |
| 52.5°  | 347.4  | 392.1  | 460.4  | 540.1  | 616.3  | 675.4  | 703.5  |
| 55°    | 296.4  | 326.8  | 384.7  | 453.5  | 526.3  | 587.6  | 620.3  |
| 57.5°  | 253.4  | 277.5  | 317.0  | 374.4  | 435.7  | 496.5  | 531.5  |
| 60°    | 215.6  | 232.2  | 259.1  | 304.4  | 356.6  | 408.8  | 442.6  |
| 62.5°  | 182.9  | 193.8  | 211.6  | 244.8  | 285.5  | 326.2  | 357.7  |
| 65°    | 157.7  | 162.2  | 172.0  | 192.6  | 223.6  | 254.6  | 281.5  |
| 67.5°  | 133.0  | 135.9  | 143.3  | 155.9  | 171.4  | 193.8  | 211.6  |
| 70°    | 114.7  | 114.7  | 115.2  | 122.7  | 130.7  | 145.0  | 157.7  |
| 72.5°  | 99.8   | 98.0   | 94.6   | 96.3   | 98.0   | 106.1  | 114.1  |
| 75°    | 87.7   | 83.7   | 78.0   | 75.7   | 74.5   | 75.7   | 80.3   |
| 77.5°  | 77.4   | 71.7   | 64.8   | 59.1   | 54.5   | 52.7   | 56.8   |
| 80°    | 68.8   | 61.9   | 53.9   | 46.4   | 39.0   | 35.0   | 36.7   |
| 82.5°  | 61.9   | 53.3   | 44.7   | 36.1   | 27.5   | 21.8   | 21.8   |
| 85°    | 54.5   | 46.4   | 37.3   | 28.1   | 19.5   | 12.0   | 10.9   |
| 87.5°  | 49.3   | 40.7   | 31.0   | 22.4   | 13.8   | 6.3    | 3.4    |
| 90°    | 44.1   | 35.5   | 26.4   | 17.8   | 9.7    | 2.9    | 0.0    |
| 92.5°  | 39.6   | 31.5   | 22.9   | 14.3   | 6.9    | 1.7    | 0.0    |
| 95°    | 35.5   | 28.1   | 19.5   | 12.0   | 5.7    | 1.1    | 0.6    |
| 97.5°  | 31.5   | 24.7   | 17.2   | 9.7    | 4.0    | 1.1    | 0.6    |
| 100°   | 28.7   | 21.8   | 14.9   | 8.0    | 3.4    | 0.6    | 0.6    |
| 102.5° | 25.2   | 19.5   | 12.6   | 6.9    | 2.9    | 0.6    | 0.6    |
| 105°   | 22.4   | 17.2   | 10.9   | 5.7    | 2.3    | 0.6    | 0.6    |
| 107.5° | 20.1   | 14.9   | 9.7    | 5.2    | 2.3    | 0.6    | 0.6    |
| 110°   | 17.8   | 13.2   | 8.6    | 4.6    | 1.7    | 0.6    | 0.6    |

TEST NUMBER: P1213741

CATALOG NUMBER: 4SNLED-LD5-30SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 16.1 | 11.5 | 7.5  | 4.0  | 1.1  | 0.6  | 0.6  |
| 115°   | 13.8 | 10.3 | 6.3  | 3.4  | 1.1  | 0.6  | 0.6  |
| 117.5° | 12.0 | 8.6  | 5.7  | 2.9  | 1.1  | 0.6  | 0.6  |
| 120°   | 10.3 | 7.5  | 4.6  | 2.3  | 0.6  | 0.6  | 0.6  |
| 122.5° | 9.2  | 6.3  | 4.0  | 2.3  | 0.6  | 0.6  | 0.6  |
| 125°   | 8.0  | 5.7  | 3.4  | 1.7  | 0.6  | 0.6  | 0.6  |
| 127.5° | 6.9  | 4.6  | 2.9  | 1.1  | 0.6  | 0.6  | 0.6  |
| 130°   | 5.7  | 4.0  | 2.3  | 1.1  | 0.6  | 0.6  | 0.6  |
| 132.5° | 4.6  | 3.4  | 2.3  | 1.1  | 0.6  | 0.6  | 0.6  |
| 135°   | 4.0  | 2.9  | 1.7  | 1.1  | 0.6  | 0.6  | 0.6  |
| 137.5° | 3.4  | 2.3  | 1.1  | 1.1  | 1.1  | 0.6  | 0.6  |
| 140°   | 2.9  | 1.7  | 1.1  | 1.1  | 1.1  | 1.1  | 0.6  |
| 142.5° | 2.3  | 1.7  | 1.1  | 1.1  | 1.1  | 1.1  | 0.6  |
| 145°   | 1.7  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 0.6  |
| 147.5° | 1.7  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 0.6  |
| 150°   | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  |
| 152.5° | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  |
| 155°   | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  |
| 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)