

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **2SNLED-LD5-22SL-LN-UNV-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33519)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

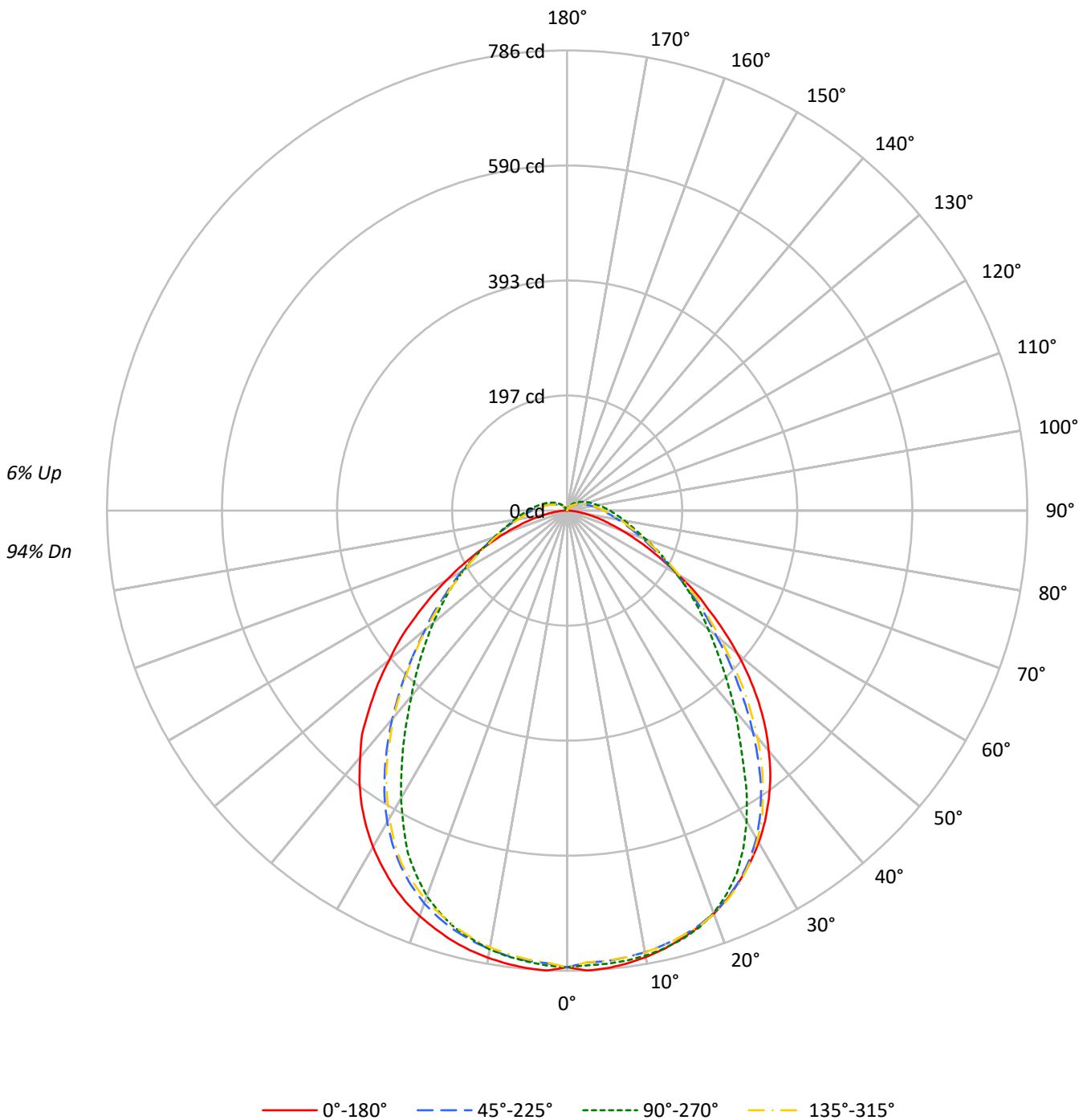
Lumens per Lamp: N/A  
Luminaire Lumens: 1974.0 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 18  
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: 25 FT



TEST NUMBER: P#  
CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|---|
| RF  | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |    |    |    |    | 20 |   |
| RC  | 80  |     |     |     |     | 70  |     |     |     |     | 50  |     |     |     |    | 30 |    |    |    |    | 10 | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 0  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |   |
| 0   | 118 | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 102 | 102 | 102 | 96 | 96 | 96 | 94 |    |    |    |   |
| 1   | 107 | 103 | 98  | 95  | 104 | 100 | 96  | 92  | 94  | 91  | 88  | 89  | 87  | 85  | 85 | 83 | 81 | 79 |    |    |    |   |
| 2   | 98  | 90  | 84  | 78  | 95  | 88  | 82  | 77  | 83  | 78  | 74  | 79  | 75  | 72  | 75 | 72 | 69 | 67 |    |    |    |   |
| 3   | 90  | 80  | 72  | 66  | 87  | 78  | 71  | 65  | 74  | 68  | 63  | 71  | 66  | 61  | 67 | 63 | 60 | 57 |    |    |    |   |
| 4   | 83  | 72  | 63  | 57  | 80  | 70  | 62  | 56  | 67  | 60  | 55  | 64  | 58  | 53  | 61 | 56 | 52 | 50 |    |    |    |   |
| 5   | 77  | 64  | 56  | 50  | 74  | 63  | 55  | 49  | 60  | 53  | 48  | 58  | 52  | 47  | 55 | 50 | 46 | 44 |    |    |    |   |
| 6   | 71  | 58  | 50  | 44  | 69  | 57  | 49  | 43  | 55  | 48  | 42  | 52  | 46  | 42  | 50 | 45 | 41 | 39 |    |    |    |   |
| 7   | 66  | 53  | 45  | 39  | 64  | 52  | 44  | 39  | 50  | 43  | 38  | 48  | 42  | 37  | 46 | 41 | 37 | 35 |    |    |    |   |
| 8   | 62  | 49  | 41  | 35  | 60  | 48  | 40  | 35  | 46  | 39  | 34  | 44  | 38  | 34  | 43 | 37 | 33 | 31 |    |    |    |   |
| 9   | 58  | 45  | 37  | 32  | 56  | 44  | 37  | 31  | 42  | 36  | 31  | 41  | 35  | 30  | 40 | 34 | 30 | 28 |    |    |    |   |
| 10  | 54  | 42  | 34  | 29  | 53  | 41  | 34  | 29  | 39  | 33  | 28  | 38  | 32  | 28  | 37 | 31 | 27 | 26 |    |    |    |   |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 12606 | 12606 | 12606 | 12606 |
| 5°  | 12662 | 12205 | 12662 | 12152 |
| 10° | 12570 | 11882 | 12592 | 11715 |
| 15° | 12454 | 11525 | 12512 | 11226 |
| 20° | 12323 | 11069 | 12396 | 10601 |
| 25° | 12088 | 10393 | 12223 | 9780  |
| 30° | 11793 | 9398  | 11948 | 8700  |
| 35° | 11355 | 8177  | 11574 | 7615  |
| 40° | 10743 | 7153  | 11026 | 6636  |
| 45° | 9949  | 6217  | 10272 | 5861  |
| 50° | 8885  | 5464  | 9276  | 5187  |
| 55° | 7636  | 4824  | 8190  | 4580  |
| 60° | 6370  | 4235  | 6945  | 3992  |
| 65° | 5166  | 3746  | 5686  | 3473  |
| 70° | 4049  | 3324  | 4533  | 3073  |
| 75° | 3109  | 3069  | 3499  | 2822  |
| 80° | 2151  | 2960  | 2536  | 2707  |
| 85° | 1211  | 2979  | 1622  | 2737  |



TEST NUMBER: P#

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 74.0   | 3.7       |
| 10°-20°   | 212.0  | 10.7      |
| 20°-30°   | 314.3  | 15.9      |
| 30°-40°   | 349.1  | 17.7      |
| 40°-50°   | 316.5  | 16.0      |
| 50°-60°   | 245.2  | 12.4      |
| 60°-70°   | 166.5  | 8.4       |
| 70°-80°   | 106.0  | 5.4       |
| 80°-90°   | 67.7   | 3.4       |
| 90°-100°  | 45.7   | 2.3       |
| 100°-110° | 31.3   | 1.6       |
| 110°-120° | 20.9   | 1.1       |
| 120°-130° | 13.0   | 0.7       |
| 130°-140° | 7.2    | 0.4       |
| 140°-150° | 3.4    | 0.2       |
| 150°-160° | 1.2    | 0.1       |
| 160°-170° | 0.1    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 600.3  | 30.4      |
| 0°-40°    | 949.4  | 48.1      |
| 0°-60°    | 1511.1 | 76.6      |
| 0°-90°    | 1851.4 | 93.8      |
| 90°-120°  | 97.8   | 5.0       |
| 90°-150°  | 121.3  | 6.1       |
| 90°-180°  | 123.0  | 6.2       |
| 0°-180°   | 1974.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 780 | 780 | 780  | 780  | 780  |      |
| 5°   | 785 | 777 | 785  | 774  | 785  | 75   |
| 15°  | 757 | 758 | 760  | 738  | 757  | 214  |
| 25°  | 698 | 685 | 705  | 644  | 698  | 321  |
| 35°  | 601 | 523 | 612  | 487  | 601  | 375  |
| 45°  | 462 | 374 | 478  | 353  | 462  | 355  |
| 55°  | 295 | 263 | 317  | 250  | 295  | 266  |
| 65°  | 153 | 177 | 169  | 164  | 153  | 154  |
| 75°  | 61  | 118 | 69   | 108  | 61   | 66   |
| 85°  | 11  | 85  | 15   | 78   | 11   | 13   |
| 90°  | 0   | 73  | 1    | 67   | 0    | 1    |
| 95°  | 0   | 63  | 0    | 58   | 0    | 0    |
| 105° | 0   | 46  | 0    | 43   | 0    | 0    |
| 115° | 0   | 35  | 0    | 32   | 0    | 0    |
| 125° | 0   | 26  | 0    | 23   | 0    | 0    |
| 135° | 0   | 18  | 0    | 15   | 0    | 0    |
| 145° | 0   | 12  | 0    | 8    | 0    | 0    |
| 155° | 0   | 6   | 0    | 3    | 0    | 0    |
| 165° | 0   | 0   | 0    | 0    | 0    | 0    |
| 175° | 0   | 0   | 0    | 0    | 0    | 0    |
| 180° | 0   | 0   | 0    | 0    | 0    | 0    |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 |
| 2.5°   | 786.4 | 785.6 | 784.7 | 783.4 | 784.7 | 788.2 | 786.0 | 781.3 | 780.4 | 772.7 | 776.1 |
| 5°     | 784.7 | 783.4 | 782.6 | 781.3 | 783.0 | 787.3 | 785.2 | 780.9 | 779.6 | 772.3 | 776.1 |
| 7.5°   | 780.4 | 779.6 | 778.3 | 778.3 | 780.0 | 784.3 | 782.6 | 777.9 | 777.0 | 769.7 | 774.0 |
| 10°    | 774.4 | 774.0 | 773.1 | 773.1 | 774.9 | 780.0 | 777.9 | 773.6 | 772.7 | 765.9 | 770.6 |
| 12.5°  | 766.7 | 767.1 | 765.9 | 765.9 | 768.4 | 773.6 | 771.9 | 767.1 | 766.3 | 760.3 | 765.0 |
| 15°    | 756.8 | 757.3 | 756.4 | 756.8 | 759.4 | 765.4 | 763.3 | 759.0 | 758.1 | 753.4 | 757.3 |
| 17.5°  | 745.7 | 746.1 | 746.1 | 745.7 | 748.7 | 754.7 | 753.0 | 749.1 | 747.8 | 744.0 | 748.7 |
| 20°    | 732.8 | 732.8 | 732.8 | 732.8 | 736.2 | 742.3 | 740.1 | 737.1 | 734.5 | 731.5 | 735.4 |
| 22.5°  | 716.9 | 716.5 | 716.9 | 718.2 | 721.7 | 726.4 | 725.1 | 721.7 | 717.8 | 716.1 | 719.1 |
| 25°    | 697.6 | 698.9 | 699.3 | 700.6 | 704.9 | 708.8 | 707.5 | 704.1 | 698.1 | 696.8 | 697.6 |
| 27.5°  | 677.5 | 678.3 | 679.6 | 679.2 | 685.2 | 689.1 | 686.5 | 683.5 | 674.9 | 673.6 | 672.7 |
| 30°    | 654.7 | 656.0 | 656.9 | 656.4 | 661.2 | 665.5 | 662.9 | 659.0 | 647.4 | 646.6 | 639.7 |
| 32.5°  | 629.0 | 630.3 | 631.1 | 631.5 | 638.0 | 639.7 | 635.0 | 629.4 | 617.0 | 614.0 | 608.0 |
| 35°    | 600.7 | 602.0 | 602.4 | 602.4 | 609.2 | 608.8 | 602.8 | 595.1 | 581.4 | 577.5 | 567.2 |
| 37.5°  | 570.2 | 571.1 | 571.5 | 574.1 | 577.1 | 574.5 | 566.8 | 556.9 | 546.6 | 535.9 | 524.7 |
| 40°    | 535.9 | 537.2 | 538.0 | 539.7 | 542.7 | 539.7 | 528.6 | 516.6 | 505.4 | 493.4 | 482.3 |
| 42.5°  | 500.7 | 504.6 | 503.7 | 503.3 | 505.0 | 496.8 | 488.3 | 474.5 | 463.4 | 450.9 | 439.8 |
| 45°    | 462.5 | 462.1 | 464.2 | 465.1 | 464.7 | 457.8 | 445.8 | 433.3 | 422.2 | 409.3 | 399.9 |
| 47.5°  | 422.2 | 421.8 | 423.5 | 424.3 | 421.8 | 414.5 | 405.0 | 390.9 | 381.4 | 370.3 | 363.0 |
| 50°    | 379.7 | 379.7 | 382.3 | 379.7 | 378.4 | 371.1 | 363.4 | 349.2 | 342.0 | 332.1 | 327.8 |
| 52.5°  | 337.2 | 341.1 | 338.5 | 337.7 | 336.4 | 329.1 | 323.1 | 311.5 | 305.5 | 301.2 | 296.0 |
| 55°    | 295.2 | 299.5 | 297.8 | 296.5 | 296.0 | 290.0 | 284.5 | 275.9 | 272.0 | 269.0 | 266.0 |
| 57.5°  | 259.6 | 259.1 | 258.3 | 257.0 | 257.4 | 252.7 | 247.1 | 242.4 | 240.7 | 239.4 | 240.3 |
| 60°    | 218.4 | 221.8 | 220.5 | 221.0 | 221.4 | 220.5 | 215.8 | 212.8 | 213.2 | 213.7 | 215.0 |
| 62.5°  | 184.5 | 187.5 | 189.6 | 187.9 | 188.8 | 190.1 | 187.5 | 186.6 | 188.4 | 190.1 | 191.8 |
| 65°    | 153.2 | 156.2 | 158.3 | 157.9 | 160.5 | 163.0 | 162.6 | 163.5 | 167.3 | 169.5 | 171.6 |
| 67.5°  | 124.9 | 127.9 | 130.9 | 131.3 | 135.2 | 139.0 | 140.7 | 143.7 | 148.0 | 151.0 | 153.6 |
| 70°    | 100.4 | 103.0 | 106.4 | 108.5 | 113.7 | 118.8 | 121.8 | 127.9 | 130.4 | 134.7 | 136.4 |
| 72.5°  | 78.5  | 80.7  | 85.4  | 90.5  | 94.8  | 101.3 | 107.3 | 112.4 | 116.3 | 121.0 | 123.1 |
| 75°    | 61.4  | 62.2  | 67.4  | 73.4  | 79.4  | 86.7  | 93.1  | 98.7  | 103.8 | 108.5 | 112.0 |
| 77.5°  | 45.1  | 46.3  | 51.1  | 59.2  | 66.1  | 73.8  | 81.1  | 87.1  | 92.7  | 97.4  | 102.1 |
| 80°    | 31.3  | 33.9  | 39.0  | 47.2  | 54.9  | 63.5  | 70.4  | 77.2  | 83.2  | 88.0  | 92.7  |
| 82.5°  | 20.2  | 22.3  | 29.6  | 37.8  | 45.9  | 54.5  | 61.8  | 68.6  | 75.1  | 80.2  | 84.5  |
| 85°    | 11.2  | 14.2  | 21.5  | 30.0  | 38.2  | 46.8  | 54.5  | 61.4  | 67.8  | 72.5  | 76.8  |
| 87.5°  | 4.3   | 8.6   | 15.4  | 23.6  | 31.7  | 39.9  | 48.1  | 54.5  | 60.9  | 66.1  | 69.9  |
| 90°    | 0.0   | 5.1   | 11.6  | 19.7  | 27.9  | 36.0  | 43.8  | 50.6  | 56.6  | 61.4  | 65.6  |
| 92.5°  | 0.4   | 3.4   | 9.0   | 15.9  | 23.6  | 31.3  | 38.6  | 45.5  | 51.5  | 56.2  | 60.1  |
| 95°    | 0.4   | 2.6   | 7.3   | 13.7  | 20.6  | 27.9  | 34.8  | 41.2  | 46.8  | 51.5  | 55.3  |
| 97.5°  | 0.4   | 1.7   | 6.0   | 12.0  | 18.0  | 25.3  | 31.7  | 37.8  | 42.9  | 47.6  | 50.6  |
| 100°   | 0.4   | 1.7   | 5.1   | 10.3  | 16.3  | 22.7  | 28.7  | 34.8  | 39.5  | 43.3  | 46.8  |
| 102.5° | 0.4   | 1.3   | 4.3   | 9.0   | 14.6  | 20.2  | 26.2  | 31.7  | 36.0  | 39.9  | 43.3  |
| 105°   | 0.4   | 1.3   | 3.9   | 7.7   | 12.9  | 18.4  | 23.6  | 28.7  | 33.5  | 36.9  | 39.9  |
| 107.5° | 0.4   | 0.9   | 3.4   | 6.4   | 11.2  | 16.7  | 21.9  | 26.2  | 30.5  | 33.9  | 36.9  |
| 110°   | 0.4   | 0.9   | 3.0   | 6.0   | 9.9   | 15.0  | 19.7  | 24.0  | 27.9  | 31.3  | 33.9  |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15° | 20° | 25°  | 30°  | 35°  | 40°  | 45°  | 50°  |
|--------|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| 112.5° | 0.4 | 0.9 | 2.6 | 5.6 | 9.0 | 13.3 | 18.0 | 21.9 | 25.7 | 28.7 | 31.3 |
| 115°   | 0.4 | 0.9 | 2.6 | 5.1 | 8.2 | 11.6 | 15.9 | 20.2 | 23.2 | 26.6 | 28.7 |
| 117.5° | 0.4 | 0.9 | 2.1 | 4.3 | 7.7 | 10.7 | 14.6 | 18.0 | 21.5 | 24.5 | 26.6 |
| 120°   | 0.4 | 0.9 | 2.1 | 3.9 | 6.9 | 9.9  | 12.9 | 16.3 | 19.7 | 21.9 | 24.0 |
| 122.5° | 0.4 | 0.9 | 1.7 | 3.9 | 6.0 | 9.0  | 11.6 | 14.6 | 17.6 | 20.2 | 22.3 |
| 125°   | 0.4 | 0.9 | 1.7 | 3.4 | 5.6 | 8.2  | 10.7 | 12.9 | 15.9 | 18.0 | 20.2 |
| 127.5° | 0.4 | 0.9 | 1.7 | 3.0 | 5.1 | 7.3  | 9.9  | 12.0 | 14.2 | 16.3 | 18.0 |
| 130°   | 0.4 | 0.9 | 1.3 | 2.6 | 4.7 | 6.4  | 8.6  | 11.2 | 12.9 | 14.6 | 16.3 |
| 132.5° | 0.4 | 0.9 | 1.3 | 2.6 | 3.9 | 5.6  | 7.7  | 9.9  | 11.6 | 13.3 | 14.6 |
| 135°   | 0.4 | 0.9 | 1.3 | 2.1 | 3.4 | 5.1  | 6.4  | 8.6  | 10.3 | 12.0 | 13.3 |
| 137.5° | 0.4 | 0.9 | 1.3 | 2.1 | 3.0 | 4.3  | 5.6  | 7.3  | 9.0  | 10.3 | 12.0 |
| 140°   | 0.4 | 0.9 | 1.3 | 1.7 | 2.6 | 3.9  | 5.1  | 6.0  | 7.7  | 9.0  | 10.3 |
| 142.5° | 0.4 | 0.9 | 1.3 | 1.7 | 2.6 | 3.4  | 4.3  | 5.1  | 6.4  | 7.7  | 9.0  |
| 145°   | 0.4 | 0.9 | 1.3 | 1.7 | 2.1 | 3.0  | 3.9  | 4.7  | 5.1  | 6.4  | 7.3  |
| 147.5° | 0.4 | 0.9 | 1.3 | 1.7 | 1.7 | 2.6  | 3.4  | 3.9  | 4.7  | 5.1  | 6.0  |
| 150°   | 0.4 | 0.9 | 1.3 | 1.3 | 1.7 | 2.1  | 3.0  | 3.4  | 3.9  | 4.7  | 5.1  |
| 152.5° | 0.4 | 0.9 | 1.3 | 1.3 | 1.7 | 2.1  | 2.6  | 3.0  | 3.4  | 3.9  | 4.3  |
| 155°   | 0.4 | 0.9 | 1.3 | 1.3 | 1.3 | 1.7  | 2.1  | 2.6  | 3.0  | 3.4  | 3.9  |
| 157.5° | 0.9 | 0.9 | 0.9 | 1.3 | 1.3 | 1.7  | 1.7  | 2.1  | 2.6  | 2.6  | 3.0  |
| 160°   | 0.9 | 0.9 | 0.9 | 1.3 | 1.3 | 1.3  | 1.7  | 1.7  | 2.1  | 2.1  | 2.6  |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 |
| 2.5°   | 775.3 | 776.6 | 780.4 | 780.4 | 779.6 | 778.7 | 778.7 | 777.4 | 778.3 | 780.0 | 779.2 |
| 5°     | 775.3 | 776.6 | 780.4 | 780.4 | 779.6 | 778.7 | 778.3 | 777.0 | 778.3 | 780.0 | 779.2 |
| 7.5°   | 772.7 | 774.4 | 778.3 | 778.3 | 777.4 | 777.0 | 776.1 | 775.3 | 776.6 | 778.3 | 777.4 |
| 10°    | 769.3 | 771.0 | 774.9 | 774.9 | 774.0 | 774.0 | 772.7 | 771.9 | 773.6 | 774.9 | 774.4 |
| 12.5°  | 764.1 | 766.3 | 769.7 | 769.3 | 768.4 | 768.9 | 767.6 | 765.9 | 767.6 | 768.9 | 769.3 |
| 15°    | 756.8 | 759.4 | 762.8 | 762.0 | 760.7 | 761.6 | 759.4 | 758.1 | 759.4 | 762.0 | 761.6 |
| 17.5°  | 747.4 | 749.1 | 751.7 | 751.7 | 750.4 | 749.5 | 748.7 | 747.4 | 748.3 | 750.0 | 750.4 |
| 20°    | 734.1 | 736.2 | 737.5 | 736.2 | 735.8 | 734.5 | 732.8 | 731.5 | 733.2 | 735.8 | 736.2 |
| 22.5°  | 716.5 | 716.9 | 719.9 | 716.9 | 714.8 | 714.4 | 712.6 | 710.1 | 712.6 | 714.8 | 715.2 |
| 25°    | 694.6 | 696.8 | 695.5 | 690.3 | 690.3 | 686.9 | 686.0 | 684.8 | 685.2 | 689.1 | 690.8 |
| 27.5°  | 666.7 | 667.6 | 664.2 | 659.9 | 656.0 | 653.9 | 650.9 | 651.3 | 651.3 | 656.4 | 658.2 |
| 30°    | 636.3 | 631.6 | 628.6 | 621.7 | 618.7 | 613.5 | 612.7 | 612.7 | 611.8 | 614.4 | 622.1 |
| 32.5°  | 599.8 | 593.4 | 588.7 | 582.2 | 577.1 | 571.9 | 569.3 | 570.6 | 570.2 | 576.6 | 579.2 |
| 35°    | 559.9 | 556.0 | 546.2 | 538.0 | 535.0 | 527.3 | 527.3 | 523.4 | 526.0 | 533.3 | 536.3 |
| 37.5°  | 517.9 | 511.9 | 503.7 | 494.7 | 492.5 | 486.5 | 484.4 | 482.3 | 487.8 | 489.1 | 492.1 |
| 40°    | 475.0 | 469.4 | 461.7 | 453.1 | 453.1 | 445.8 | 445.8 | 445.8 | 446.2 | 448.8 | 454.4 |
| 42.5°  | 434.2 | 428.2 | 421.3 | 415.3 | 414.5 | 408.9 | 408.9 | 408.5 | 409.3 | 411.5 | 416.6 |
| 45°    | 394.7 | 390.0 | 382.7 | 379.7 | 380.1 | 374.1 | 375.4 | 374.1 | 375.8 | 378.0 | 379.7 |
| 47.5°  | 358.3 | 355.3 | 352.2 | 348.0 | 346.7 | 346.2 | 344.1 | 342.4 | 345.4 | 345.4 | 348.0 |
| 50°    | 324.4 | 322.6 | 320.9 | 318.4 | 318.8 | 317.1 | 314.5 | 314.5 | 316.6 | 317.1 | 318.8 |
| 52.5°  | 294.8 | 292.6 | 290.5 | 290.9 | 291.3 | 290.5 | 289.2 | 287.9 | 289.2 | 290.0 | 292.2 |
| 55°    | 265.2 | 263.4 | 265.6 | 264.7 | 265.6 | 264.7 | 263.9 | 263.0 | 265.2 | 263.9 | 266.0 |
| 57.5°  | 238.6 | 240.3 | 241.1 | 239.4 | 240.7 | 239.8 | 240.3 | 239.0 | 240.7 | 241.6 | 241.1 |
| 60°    | 214.1 | 216.7 | 215.4 | 215.8 | 217.5 | 216.7 | 215.0 | 216.2 | 218.0 | 218.4 | 218.0 |
| 62.5°  | 191.8 | 194.8 | 196.1 | 195.2 | 195.6 | 194.8 | 196.1 | 194.4 | 196.5 | 197.4 | 196.1 |
| 65°    | 171.6 | 175.1 | 175.9 | 175.9 | 175.9 | 175.1 | 176.3 | 176.8 | 177.6 | 177.6 | 176.8 |
| 67.5°  | 154.5 | 157.5 | 158.3 | 159.2 | 158.3 | 157.5 | 157.5 | 157.9 | 159.6 | 160.5 | 159.6 |
| 70°    | 139.0 | 142.0 | 142.4 | 142.4 | 142.9 | 143.7 | 142.0 | 142.9 | 144.2 | 144.6 | 144.2 |
| 72.5°  | 125.7 | 128.7 | 129.6 | 129.1 | 129.6 | 130.0 | 130.0 | 129.1 | 130.4 | 131.3 | 131.3 |
| 75°    | 115.0 | 116.7 | 117.6 | 117.6 | 118.0 | 118.4 | 118.4 | 118.0 | 118.8 | 119.3 | 119.7 |
| 77.5°  | 105.1 | 106.4 | 107.7 | 107.7 | 108.1 | 107.7 | 108.5 | 108.5 | 109.0 | 109.4 | 109.8 |
| 80°    | 95.2  | 97.0  | 97.8  | 98.3  | 99.1  | 99.5  | 99.5  | 99.5  | 100.0 | 100.4 | 100.4 |
| 82.5°  | 87.5  | 88.8  | 90.1  | 91.4  | 91.4  | 91.8  | 91.8  | 91.8  | 92.2  | 92.2  | 92.7  |
| 85°    | 79.8  | 81.5  | 82.8  | 83.7  | 84.1  | 84.5  | 84.5  | 85.0  | 85.0  | 85.0  | 85.4  |
| 87.5°  | 72.9  | 75.1  | 75.9  | 76.8  | 77.2  | 78.1  | 78.1  | 78.1  | 78.5  | 78.5  | 78.5  |
| 90°    | 68.2  | 70.4  | 71.2  | 72.1  | 72.5  | 72.9  | 72.9  | 73.4  | 73.4  | 73.8  | 73.8  |
| 92.5°  | 62.6  | 64.8  | 66.5  | 66.5  | 66.9  | 67.8  | 67.4  | 67.4  | 67.8  | 68.2  | 68.2  |
| 95°    | 58.4  | 60.1  | 61.4  | 61.8  | 62.2  | 62.2  | 62.2  | 62.6  | 62.2  | 62.6  | 62.6  |
| 97.5°  | 53.2  | 54.9  | 56.2  | 57.1  | 57.5  | 57.5  | 57.5  | 57.9  | 57.5  | 57.9  | 57.9  |
| 100°   | 48.9  | 50.6  | 51.9  | 52.3  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  | 53.6  |
| 102.5° | 45.5  | 47.2  | 48.1  | 48.5  | 48.9  | 49.3  | 49.3  | 49.3  | 49.3  | 49.8  | 49.8  |
| 105°   | 42.0  | 43.8  | 44.6  | 45.1  | 45.5  | 45.9  | 45.9  | 45.9  | 46.3  | 46.3  | 45.9  |
| 107.5° | 39.0  | 40.3  | 41.2  | 42.0  | 42.5  | 42.5  | 42.9  | 42.9  | 42.9  | 42.9  | 42.9  |
| 110°   | 36.0  | 37.3  | 38.6  | 39.5  | 39.5  | 39.9  | 39.9  | 40.3  | 40.3  | 39.9  | 40.3  |





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  | 90°  | 95°  | 100° | 105° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 33.0 | 34.8 | 35.6 | 36.5 | 36.9 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 115°   | 30.5 | 32.2 | 33.0 | 33.9 | 34.3 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 117.5° | 28.3 | 30.0 | 30.9 | 31.3 | 31.7 | 32.2 | 32.6 | 32.6 | 32.6 | 32.6 | 32.2 |
| 120°   | 26.2 | 27.5 | 28.3 | 29.2 | 29.6 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| 122.5° | 24.0 | 25.3 | 26.2 | 27.0 | 27.5 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 |
| 125°   | 21.9 | 23.2 | 24.0 | 24.9 | 25.3 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 127.5° | 19.7 | 21.0 | 22.3 | 22.7 | 23.2 | 23.6 | 23.6 | 23.6 | 24.0 | 23.6 | 23.6 |
| 130°   | 17.6 | 18.9 | 20.2 | 20.6 | 21.0 | 21.5 | 21.9 | 21.9 | 21.9 | 21.9 | 21.5 |
| 132.5° | 15.9 | 17.2 | 18.0 | 18.4 | 19.3 | 19.3 | 19.7 | 19.7 | 19.7 | 19.7 | 19.3 |
| 135°   | 14.6 | 15.4 | 16.3 | 16.7 | 17.6 | 17.6 | 17.6 | 18.0 | 18.0 | 17.6 | 17.2 |
| 137.5° | 12.9 | 13.7 | 14.6 | 15.0 | 15.4 | 15.9 | 15.9 | 16.3 | 15.9 | 15.9 | 15.9 |
| 140°   | 12.0 | 12.4 | 13.3 | 13.7 | 14.2 | 14.2 | 14.2 | 14.6 | 14.6 | 14.2 | 14.2 |
| 142.5° | 10.3 | 11.2 | 12.0 | 12.4 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 |
| 145°   | 8.6  | 9.9  | 10.3 | 11.2 | 11.2 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.2 |
| 147.5° | 7.3  | 8.2  | 9.4  | 9.9  | 9.9  | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 9.9  |
| 150°   | 5.6  | 6.4  | 7.7  | 8.6  | 8.6  | 9.0  | 9.0  | 9.0  | 9.0  | 8.6  | 8.6  |
| 152.5° | 4.7  | 5.6  | 6.0  | 6.9  | 7.3  | 7.3  | 7.3  | 7.7  | 7.3  | 7.3  | 7.3  |
| 155°   | 4.3  | 4.7  | 5.1  | 5.6  | 6.0  | 6.4  | 6.4  | 6.4  | 6.4  | 6.0  | 6.0  |
| 157.5° | 3.4  | 3.9  | 4.3  | 4.7  | 5.1  | 5.6  | 5.6  | 5.6  | 5.6  | 5.6  | 5.1  |
| 160°   | 2.6  | 3.0  | 3.4  | 3.4  | 3.9  | 4.3  | 4.7  | 4.3  | 4.3  | 4.3  | 4.3  |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 |
| 2.5°   | 778.3 | 777.9 | 779.2 | 777.0 | 770.6 | 772.3 | 771.4 | 775.3 | 776.1 | 777.0 | 780.9 |
| 5°     | 778.3 | 777.9 | 778.7 | 777.0 | 770.1 | 771.4 | 770.6 | 774.4 | 775.3 | 775.7 | 779.6 |
| 7.5°   | 776.6 | 776.1 | 777.4 | 775.3 | 768.0 | 769.7 | 768.4 | 772.3 | 772.7 | 773.1 | 776.6 |
| 10°    | 773.1 | 772.7 | 773.6 | 771.9 | 764.6 | 766.3 | 764.6 | 768.4 | 768.4 | 769.3 | 771.9 |
| 12.5°  | 768.0 | 767.1 | 768.9 | 766.7 | 758.6 | 760.7 | 759.8 | 762.4 | 762.8 | 763.3 | 765.9 |
| 15°    | 760.7 | 759.8 | 761.1 | 759.8 | 752.6 | 753.0 | 751.7 | 755.6 | 756.0 | 755.1 | 757.7 |
| 17.5°  | 750.0 | 749.1 | 751.7 | 750.8 | 743.5 | 745.3 | 744.8 | 745.7 | 747.0 | 744.8 | 748.3 |
| 20°    | 736.7 | 737.5 | 738.4 | 738.8 | 733.2 | 733.2 | 732.8 | 734.5 | 735.8 | 734.1 | 736.7 |
| 22.5°  | 716.9 | 719.1 | 721.7 | 722.5 | 718.7 | 718.2 | 720.8 | 719.9 | 721.2 | 720.4 | 722.1 |
| 25°    | 692.1 | 696.3 | 698.9 | 701.5 | 699.3 | 700.2 | 704.1 | 704.9 | 704.9 | 704.5 | 706.2 |
| 27.5°  | 661.2 | 666.7 | 671.5 | 677.0 | 674.9 | 676.6 | 683.0 | 683.9 | 685.6 | 683.9 | 687.3 |
| 30°    | 624.3 | 629.4 | 638.4 | 646.6 | 647.4 | 650.0 | 659.0 | 659.9 | 664.6 | 662.9 | 664.2 |
| 32.5°  | 587.4 | 589.9 | 600.2 | 608.4 | 613.5 | 620.0 | 629.8 | 631.6 | 638.0 | 639.3 | 639.3 |
| 35°    | 541.0 | 548.3 | 557.8 | 569.3 | 575.8 | 582.6 | 595.9 | 598.5 | 608.0 | 611.0 | 614.4 |
| 37.5°  | 502.0 | 508.9 | 514.9 | 526.9 | 538.5 | 546.2 | 556.9 | 563.3 | 573.2 | 578.8 | 583.1 |
| 40°    | 460.4 | 465.9 | 472.4 | 484.4 | 494.3 | 505.8 | 516.6 | 524.3 | 536.7 | 543.2 | 548.8 |
| 42.5°  | 420.9 | 425.2 | 432.1 | 440.6 | 450.9 | 463.8 | 474.1 | 483.1 | 496.4 | 505.4 | 511.9 |
| 45°    | 385.7 | 388.3 | 394.3 | 400.7 | 409.7 | 423.0 | 432.9 | 444.5 | 455.2 | 464.7 | 472.4 |
| 47.5°  | 352.7 | 356.1 | 359.1 | 363.4 | 371.6 | 379.7 | 391.3 | 402.4 | 413.2 | 423.5 | 431.2 |
| 50°    | 322.2 | 322.2 | 326.9 | 329.9 | 335.5 | 342.8 | 351.8 | 359.5 | 372.8 | 380.1 | 390.0 |
| 52.5°  | 292.6 | 294.3 | 296.9 | 298.6 | 302.9 | 307.6 | 314.9 | 321.4 | 332.5 | 339.4 | 348.8 |
| 55°    | 266.4 | 268.2 | 269.4 | 270.3 | 272.9 | 278.5 | 281.0 | 286.2 | 293.9 | 299.5 | 307.6 |
| 57.5°  | 241.6 | 242.4 | 243.7 | 244.1 | 244.6 | 248.0 | 250.1 | 251.4 | 259.1 | 264.7 | 271.6 |
| 60°    | 218.8 | 218.8 | 220.1 | 219.7 | 219.2 | 221.0 | 220.5 | 221.8 | 226.5 | 230.0 | 233.0 |
| 62.5°  | 197.4 | 197.4 | 197.8 | 196.9 | 196.5 | 196.5 | 194.8 | 196.1 | 197.4 | 197.8 | 199.9 |
| 65°    | 177.6 | 179.8 | 178.1 | 178.5 | 175.9 | 175.1 | 174.2 | 171.6 | 171.2 | 169.5 | 170.3 |
| 67.5°  | 160.0 | 161.8 | 160.0 | 160.0 | 157.9 | 156.2 | 154.0 | 149.7 | 148.5 | 145.0 | 144.2 |
| 70°    | 145.9 | 144.6 | 145.4 | 144.2 | 141.6 | 139.4 | 136.4 | 133.0 | 128.7 | 124.4 | 121.4 |
| 72.5°  | 132.1 | 132.1 | 131.3 | 130.0 | 128.7 | 124.4 | 121.0 | 117.1 | 112.0 | 106.4 | 102.1 |
| 75°    | 118.8 | 119.3 | 119.3 | 118.0 | 115.8 | 112.0 | 108.1 | 102.5 | 97.0  | 90.5  | 85.0  |
| 77.5°  | 109.4 | 109.4 | 109.4 | 107.3 | 105.1 | 101.7 | 97.0  | 91.0  | 85.0  | 77.2  | 70.8  |
| 80°    | 100.4 | 100.0 | 100.0 | 97.4  | 95.2  | 91.4  | 86.7  | 80.7  | 74.2  | 66.1  | 58.8  |
| 82.5°  | 93.1  | 92.7  | 91.8  | 89.7  | 86.7  | 82.8  | 78.1  | 71.7  | 64.8  | 57.5  | 48.5  |
| 85°    | 85.4  | 85.0  | 84.1  | 81.9  | 78.9  | 75.5  | 70.4  | 63.9  | 57.1  | 48.9  | 40.3  |
| 87.5°  | 78.5  | 78.1  | 76.8  | 75.5  | 72.1  | 68.2  | 63.1  | 57.1  | 49.8  | 42.0  | 33.5  |
| 90°    | 73.8  | 72.9  | 72.1  | 70.4  | 67.4  | 63.1  | 57.9  | 51.5  | 44.2  | 36.5  | 27.9  |
| 92.5°  | 68.2  | 67.8  | 66.5  | 64.8  | 62.2  | 57.9  | 52.8  | 46.8  | 39.5  | 32.2  | 24.0  |
| 95°    | 62.6  | 62.2  | 61.4  | 59.6  | 57.1  | 53.2  | 48.5  | 42.5  | 35.6  | 28.3  | 21.0  |
| 97.5°  | 57.5  | 57.5  | 56.2  | 54.9  | 51.9  | 48.9  | 44.2  | 38.6  | 32.2  | 25.7  | 18.9  |
| 100°   | 53.2  | 53.2  | 51.9  | 50.2  | 48.1  | 45.1  | 40.3  | 35.2  | 29.2  | 23.2  | 16.3  |
| 102.5° | 49.3  | 48.9  | 48.1  | 46.3  | 44.2  | 41.2  | 36.9  | 32.2  | 26.6  | 20.6  | 14.6  |
| 105°   | 45.9  | 45.5  | 44.6  | 42.9  | 41.2  | 37.8  | 34.3  | 29.6  | 24.0  | 18.4  | 12.9  |
| 107.5° | 42.5  | 42.0  | 41.6  | 39.9  | 37.8  | 34.8  | 31.3  | 26.6  | 21.9  | 16.7  | 11.6  |
| 110°   | 39.5  | 39.0  | 38.2  | 36.5  | 34.3  | 31.7  | 28.3  | 24.5  | 19.7  | 15.0  | 10.3  |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 36.9 | 36.5 | 35.6 | 33.9 | 32.2 | 29.2 | 26.2 | 21.9 | 18.0 | 13.7 | 9.0  |
| 115°   | 34.3 | 33.9 | 33.0 | 31.3 | 29.2 | 26.6 | 23.6 | 20.2 | 15.9 | 12.0 | 8.2  |
| 117.5° | 31.7 | 31.3 | 30.5 | 29.2 | 27.0 | 24.5 | 21.5 | 18.0 | 14.2 | 11.2 | 7.3  |
| 120°   | 29.6 | 28.7 | 27.9 | 26.6 | 24.5 | 22.3 | 19.3 | 16.3 | 12.9 | 9.9  | 6.4  |
| 122.5° | 27.5 | 26.6 | 25.7 | 24.5 | 22.3 | 20.2 | 17.2 | 14.6 | 12.0 | 9.0  | 6.0  |
| 125°   | 24.9 | 24.5 | 23.6 | 22.3 | 20.2 | 18.0 | 15.9 | 13.3 | 10.7 | 8.2  | 5.1  |
| 127.5° | 22.7 | 22.3 | 21.5 | 19.7 | 18.0 | 16.3 | 14.2 | 12.0 | 9.4  | 6.9  | 4.7  |
| 130°   | 21.0 | 20.2 | 19.3 | 18.0 | 16.7 | 15.0 | 12.9 | 10.7 | 8.6  | 6.0  | 4.3  |
| 132.5° | 18.9 | 18.0 | 17.2 | 16.3 | 15.0 | 13.3 | 11.6 | 9.4  | 7.7  | 5.6  | 3.9  |
| 135°   | 17.2 | 16.3 | 15.4 | 14.6 | 13.3 | 12.0 | 10.3 | 8.6  | 6.9  | 5.1  | 3.4  |
| 137.5° | 15.0 | 14.6 | 14.2 | 13.3 | 12.0 | 10.7 | 9.4  | 7.3  | 6.0  | 4.7  | 3.0  |
| 140°   | 13.7 | 13.3 | 12.9 | 11.6 | 10.7 | 9.4  | 8.2  | 6.4  | 5.1  | 3.9  | 2.6  |
| 142.5° | 12.4 | 12.0 | 11.2 | 10.3 | 9.4  | 8.6  | 6.9  | 6.0  | 4.7  | 3.4  | 2.6  |
| 145°   | 10.7 | 10.3 | 9.9  | 9.0  | 8.2  | 6.9  | 6.0  | 5.1  | 4.3  | 3.0  | 2.1  |
| 147.5° | 9.9  | 9.4  | 8.6  | 7.7  | 6.9  | 6.0  | 5.6  | 4.7  | 3.4  | 2.6  | 1.7  |
| 150°   | 8.2  | 7.7  | 7.3  | 6.4  | 6.0  | 5.6  | 4.7  | 3.9  | 3.0  | 2.1  | 1.7  |
| 152.5° | 6.9  | 6.4  | 6.0  | 6.0  | 5.1  | 4.7  | 3.9  | 3.4  | 2.6  | 2.1  | 1.3  |
| 155°   | 6.0  | 6.0  | 5.6  | 5.1  | 4.3  | 3.9  | 3.4  | 2.6  | 2.1  | 1.7  | 1.3  |
| 157.5° | 5.1  | 4.7  | 4.3  | 4.3  | 3.9  | 3.4  | 2.6  | 2.1  | 1.7  | 1.7  | 1.3  |
| 160°   | 4.3  | 3.9  | 3.9  | 3.4  | 3.0  | 2.6  | 2.1  | 2.1  | 1.7  | 1.3  | 1.3  |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 |
| 2.5°   | 781.3 | 776.6 | 780.9 | 786.4 | 786.4 | 785.6 | 784.7 | 786.4 | 790.7 | 789.0 | 783.9 |
| 5°     | 780.0 | 775.3 | 779.2 | 784.7 | 784.7 | 783.4 | 782.6 | 783.9 | 788.6 | 786.4 | 781.7 |
| 7.5°   | 777.4 | 773.1 | 775.7 | 780.9 | 780.9 | 779.6 | 778.7 | 780.4 | 784.3 | 782.2 | 777.0 |
| 10°    | 772.7 | 768.0 | 771.0 | 775.7 | 775.3 | 774.4 | 773.1 | 775.3 | 778.7 | 775.7 | 769.7 |
| 12.5°  | 766.7 | 762.0 | 764.6 | 768.9 | 768.4 | 766.7 | 765.9 | 767.1 | 770.1 | 768.4 | 762.0 |
| 15°    | 758.6 | 753.8 | 756.0 | 760.3 | 759.0 | 757.7 | 756.0 | 756.4 | 760.3 | 757.3 | 750.4 |
| 17.5°  | 748.7 | 743.5 | 745.3 | 749.1 | 747.8 | 746.5 | 744.4 | 744.8 | 749.1 | 744.8 | 737.5 |
| 20°    | 736.7 | 731.1 | 732.4 | 737.1 | 735.0 | 732.8 | 730.7 | 730.7 | 735.0 | 730.2 | 722.1 |
| 22.5°  | 723.8 | 718.2 | 719.1 | 722.5 | 720.8 | 716.9 | 714.8 | 716.1 | 718.2 | 712.2 | 703.6 |
| 25°    | 707.9 | 700.6 | 701.9 | 705.4 | 704.1 | 698.9 | 696.8 | 697.6 | 696.8 | 692.1 | 683.0 |
| 27.5°  | 689.5 | 681.8 | 682.6 | 684.8 | 683.0 | 678.3 | 675.8 | 676.2 | 674.5 | 668.5 | 658.2 |
| 30°    | 666.3 | 662.5 | 662.0 | 663.3 | 660.7 | 656.0 | 653.0 | 652.2 | 651.7 | 643.1 | 630.7 |
| 32.5°  | 642.7 | 639.3 | 637.1 | 638.9 | 635.8 | 631.1 | 626.0 | 626.0 | 621.7 | 613.5 | 602.8 |
| 35°    | 618.7 | 613.1 | 611.0 | 612.3 | 608.8 | 602.8 | 598.5 | 596.4 | 589.9 | 579.6 | 568.1 |
| 37.5°  | 587.8 | 583.9 | 581.4 | 582.6 | 578.8 | 574.5 | 566.3 | 564.2 | 557.3 | 543.2 | 528.6 |
| 40°    | 554.3 | 551.3 | 548.8 | 550.0 | 545.7 | 539.3 | 532.0 | 528.6 | 520.9 | 505.0 | 493.4 |
| 42.5°  | 518.3 | 517.0 | 514.0 | 518.7 | 510.1 | 503.7 | 496.4 | 490.8 | 483.1 | 465.9 | 452.6 |
| 45°    | 480.1 | 483.1 | 476.2 | 477.5 | 472.0 | 466.4 | 458.7 | 450.5 | 442.8 | 426.5 | 411.5 |
| 47.5°  | 439.8 | 441.9 | 437.2 | 438.1 | 432.1 | 426.9 | 420.0 | 409.7 | 401.2 | 387.0 | 373.7 |
| 50°    | 398.2 | 397.3 | 397.3 | 396.4 | 391.7 | 385.3 | 378.4 | 369.0 | 360.4 | 347.5 | 336.4 |
| 52.5°  | 354.0 | 355.7 | 356.5 | 358.7 | 352.7 | 348.8 | 338.1 | 329.9 | 323.5 | 310.2 | 300.8 |
| 55°    | 311.5 | 317.5 | 315.8 | 316.6 | 309.8 | 306.8 | 298.2 | 291.8 | 282.3 | 274.6 | 268.6 |
| 57.5°  | 272.9 | 274.2 | 275.0 | 276.3 | 273.3 | 267.3 | 260.4 | 255.3 | 248.0 | 241.6 | 237.3 |
| 60°    | 235.5 | 235.5 | 236.0 | 238.1 | 235.1 | 230.0 | 224.8 | 221.0 | 215.8 | 211.9 | 209.4 |
| 62.5°  | 200.4 | 203.4 | 203.8 | 202.1 | 198.2 | 195.6 | 192.2 | 190.1 | 186.6 | 185.3 | 184.5 |
| 65°    | 167.8 | 167.8 | 167.8 | 168.6 | 166.5 | 164.8 | 162.6 | 162.2 | 163.5 | 161.8 | 162.6 |
| 67.5°  | 140.3 | 139.0 | 138.2 | 138.6 | 137.7 | 136.9 | 136.4 | 137.7 | 140.3 | 140.3 | 142.4 |
| 70°    | 116.7 | 114.1 | 112.4 | 112.4 | 112.4 | 112.8 | 114.1 | 116.7 | 121.0 | 122.7 | 125.7 |
| 72.5°  | 97.4  | 91.8  | 89.2  | 89.2  | 89.7  | 91.4  | 95.2  | 100.0 | 103.8 | 107.3 | 111.1 |
| 75°    | 78.9  | 73.4  | 69.5  | 69.1  | 69.9  | 72.5  | 78.1  | 82.4  | 88.8  | 93.5  | 98.3  |
| 77.5°  | 63.9  | 57.1  | 52.3  | 51.9  | 53.2  | 57.1  | 63.9  | 69.5  | 76.8  | 81.9  | 87.1  |
| 80°    | 51.1  | 43.3  | 39.5  | 36.9  | 39.0  | 43.8  | 51.5  | 58.4  | 65.2  | 72.1  | 78.5  |
| 82.5°  | 40.8  | 33.5  | 27.5  | 24.9  | 27.5  | 33.9  | 41.2  | 49.3  | 56.2  | 63.5  | 69.9  |
| 85°    | 32.2  | 24.5  | 17.6  | 15.0  | 18.0  | 24.9  | 33.0  | 41.2  | 48.9  | 56.2  | 62.6  |
| 87.5°  | 25.3  | 17.6  | 10.7  | 7.3   | 11.2  | 18.4  | 26.2  | 34.3  | 42.5  | 49.8  | 56.2  |
| 90°    | 19.7  | 12.4  | 6.0   | 0.9   | 6.4   | 13.3  | 21.0  | 28.7  | 36.9  | 44.2  | 50.6  |
| 92.5°  | 16.7  | 9.4   | 3.4   | 0.0   | 3.9   | 9.9   | 17.2  | 24.9  | 32.2  | 39.5  | 45.9  |
| 95°    | 14.2  | 7.7   | 2.6   | 0.0   | 2.6   | 7.7   | 14.2  | 21.0  | 28.3  | 35.6  | 42.0  |
| 97.5°  | 12.0  | 6.0   | 1.7   | 0.0   | 1.7   | 6.0   | 11.6  | 18.4  | 24.9  | 31.7  | 37.8  |
| 100°   | 10.3  | 5.1   | 1.3   | 0.0   | 1.3   | 4.7   | 9.9   | 15.9  | 22.3  | 28.7  | 34.3  |
| 102.5° | 9.0   | 4.3   | 0.9   | 0.0   | 0.9   | 3.9   | 8.2   | 13.7  | 19.3  | 25.3  | 30.9  |
| 105°   | 7.7   | 3.4   | 0.9   | 0.0   | 0.4   | 3.0   | 6.9   | 12.0  | 17.2  | 22.7  | 27.9  |
| 107.5° | 6.9   | 3.0   | 0.9   | 0.0   | 0.4   | 2.6   | 6.0   | 10.3  | 15.4  | 20.2  | 24.9  |
| 110°   | 6.0   | 2.6   | 0.9   | 0.0   | 0.4   | 1.7   | 5.1   | 9.0   | 13.3  | 18.0  | 22.7  |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 5.1  | 2.1  | 0.4  | 0.0  | 0.0  | 1.3  | 4.3  | 7.7  | 11.6 | 16.3 | 20.2 |
| 115°   | 4.7  | 2.1  | 0.4  | 0.0  | 0.0  | 0.9  | 3.4  | 6.9  | 10.3 | 14.6 | 18.0 |
| 117.5° | 4.3  | 1.7  | 0.4  | 0.0  | 0.4  | 0.9  | 3.0  | 6.0  | 9.0  | 12.4 | 16.3 |
| 120°   | 3.9  | 1.7  | 0.4  | 0.0  | 0.4  | 0.4  | 2.1  | 5.1  | 7.7  | 11.2 | 14.2 |
| 122.5° | 3.4  | 1.7  | 0.4  | 0.0  | 0.4  | 0.4  | 1.7  | 4.3  | 6.9  | 9.9  | 12.4 |
| 125°   | 3.0  | 1.3  | 0.9  | 0.4  | 0.4  | 0.4  | 1.3  | 3.4  | 6.0  | 8.2  | 11.2 |
| 127.5° | 3.0  | 1.3  | 0.9  | 0.4  | 0.4  | 0.4  | 0.9  | 3.0  | 4.7  | 7.3  | 9.9  |
| 130°   | 2.6  | 1.3  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 2.1  | 4.3  | 6.0  | 8.2  |
| 132.5° | 2.1  | 1.3  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 1.3  | 3.0  | 5.1  | 6.9  |
| 135°   | 2.1  | 1.3  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.9  | 2.1  | 3.9  | 5.6  |
| 137.5° | 1.7  | 0.9  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 1.7  | 3.0  | 4.3  |
| 140°   | 1.7  | 0.9  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 1.3  | 2.1  | 3.4  |
| 142.5° | 1.3  | 0.9  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.9  | 1.7  | 2.6  |
| 145°   | 1.3  | 0.9  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.9  | 1.7  |
| 147.5° | 1.3  | 1.3  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.9  | 1.3  |
| 150°   | 1.3  | 0.9  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.9  |
| 152.5° | 1.3  | 0.9  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.9  |
| 155°   | 1.3  | 0.9  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.9  | 0.9  |
| 157.5° | 1.3  | 0.9  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.9  |
| 160°   | 1.3  | 0.9  | 0.9  | 0.4  | 0.9  | 0.4  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 |
| 2.5°   | 782.2 | 774.0 | 778.3 | 777.0 | 778.7 | 782.2 | 781.7 | 780.9 | 780.9 | 779.6 | 777.9 |
| 5°     | 779.6 | 771.9 | 775.7 | 773.6 | 775.7 | 778.7 | 778.3 | 777.0 | 777.9 | 775.7 | 773.6 |
| 7.5°   | 774.4 | 767.6 | 771.0 | 769.3 | 771.0 | 774.0 | 772.7 | 772.3 | 773.1 | 769.7 | 768.4 |
| 10°    | 768.4 | 760.7 | 764.6 | 762.4 | 764.6 | 766.7 | 765.9 | 764.1 | 765.9 | 762.4 | 761.1 |
| 12.5°  | 759.0 | 752.6 | 755.1 | 754.3 | 755.6 | 757.7 | 756.0 | 754.7 | 755.6 | 752.6 | 750.0 |
| 15°    | 748.7 | 742.3 | 744.4 | 743.1 | 744.0 | 746.5 | 743.5 | 743.1 | 742.3 | 739.3 | 738.4 |
| 17.5°  | 735.4 | 729.4 | 731.5 | 729.4 | 730.7 | 729.8 | 729.4 | 727.2 | 727.2 | 723.8 | 721.2 |
| 20°    | 719.1 | 713.9 | 712.6 | 710.9 | 712.6 | 710.9 | 708.4 | 706.6 | 706.2 | 702.8 | 700.6 |
| 22.5°  | 700.2 | 694.2 | 695.1 | 690.3 | 690.8 | 688.2 | 683.9 | 682.2 | 680.5 | 676.6 | 673.6 |
| 25°    | 677.5 | 671.5 | 667.2 | 664.2 | 660.3 | 659.9 | 654.3 | 650.0 | 649.6 | 644.9 | 644.4 |
| 27.5°  | 651.7 | 644.9 | 641.4 | 634.1 | 629.4 | 625.6 | 620.8 | 616.5 | 614.4 | 609.2 | 605.8 |
| 30°    | 622.1 | 614.4 | 605.8 | 600.7 | 593.4 | 590.4 | 582.2 | 577.1 | 575.4 | 569.8 | 567.2 |
| 32.5°  | 588.7 | 580.5 | 573.6 | 563.8 | 555.6 | 551.3 | 543.2 | 538.0 | 535.9 | 529.9 | 526.4 |
| 35°    | 552.2 | 543.2 | 535.0 | 525.6 | 519.1 | 511.9 | 502.0 | 496.8 | 492.1 | 490.0 | 487.4 |
| 37.5°  | 514.0 | 504.1 | 494.7 | 485.3 | 479.7 | 471.1 | 462.5 | 459.1 | 453.5 | 451.4 | 448.8 |
| 40°    | 474.5 | 464.7 | 455.6 | 446.6 | 440.2 | 432.5 | 424.8 | 423.5 | 417.5 | 415.3 | 413.6 |
| 42.5°  | 435.5 | 425.2 | 414.9 | 408.5 | 403.7 | 396.0 | 390.9 | 389.6 | 384.4 | 383.1 | 383.1 |
| 45°    | 400.3 | 387.4 | 378.8 | 373.3 | 369.4 | 363.0 | 358.7 | 357.8 | 353.5 | 352.7 | 352.7 |
| 47.5°  | 362.5 | 350.5 | 344.1 | 340.7 | 337.2 | 332.5 | 329.9 | 329.9 | 325.6 | 324.8 | 324.4 |
| 50°    | 327.4 | 316.2 | 311.5 | 308.1 | 307.6 | 304.2 | 302.1 | 301.2 | 301.2 | 298.2 | 298.6 |
| 52.5°  | 293.9 | 288.3 | 284.5 | 282.3 | 279.7 | 277.6 | 275.9 | 275.9 | 274.6 | 272.4 | 273.3 |
| 55°    | 263.0 | 256.6 | 257.0 | 255.3 | 254.0 | 252.7 | 253.1 | 250.6 | 250.1 | 248.4 | 249.7 |
| 57.5°  | 232.1 | 232.1 | 231.3 | 230.0 | 227.8 | 228.7 | 228.7 | 228.7 | 226.5 | 225.3 | 226.5 |
| 60°    | 205.9 | 207.2 | 205.1 | 206.4 | 205.5 | 205.9 | 205.1 | 205.1 | 203.8 | 203.4 | 203.8 |
| 62.5°  | 182.8 | 184.9 | 184.1 | 185.8 | 184.9 | 185.3 | 186.2 | 184.5 | 183.6 | 182.8 | 183.6 |
| 65°    | 162.2 | 164.8 | 164.3 | 165.6 | 166.0 | 166.5 | 166.9 | 166.0 | 165.2 | 164.3 | 163.9 |
| 67.5°  | 144.2 | 146.7 | 148.5 | 148.9 | 149.3 | 150.6 | 150.2 | 149.3 | 148.5 | 147.2 | 146.7 |
| 70°    | 127.9 | 131.3 | 133.4 | 134.3 | 136.0 | 135.2 | 135.2 | 134.7 | 133.9 | 132.6 | 132.1 |
| 72.5°  | 114.1 | 118.0 | 120.1 | 121.0 | 122.7 | 122.7 | 122.3 | 121.8 | 121.0 | 119.7 | 119.3 |
| 75°    | 102.1 | 105.5 | 108.5 | 110.3 | 111.6 | 111.6 | 111.1 | 110.7 | 109.8 | 109.0 | 108.5 |
| 77.5°  | 92.7  | 95.7  | 98.3  | 100.4 | 101.3 | 101.7 | 101.3 | 100.4 | 100.4 | 100.0 | 99.5  |
| 80°    | 83.2  | 86.7  | 89.2  | 91.4  | 92.7  | 92.7  | 92.2  | 92.7  | 91.8  | 91.4  | 91.0  |
| 82.5°  | 75.1  | 78.9  | 81.9  | 84.1  | 85.0  | 85.4  | 85.0  | 85.4  | 84.5  | 84.5  | 84.5  |
| 85°    | 67.8  | 71.7  | 75.1  | 76.8  | 78.1  | 78.5  | 78.5  | 78.5  | 78.1  | 78.1  | 78.1  |
| 87.5°  | 61.8  | 65.6  | 69.1  | 70.8  | 72.1  | 72.5  | 72.5  | 72.9  | 72.1  | 72.1  | 72.1  |
| 90°    | 56.2  | 60.1  | 63.5  | 65.2  | 66.5  | 67.4  | 67.4  | 67.8  | 67.4  | 66.9  | 66.9  |
| 92.5°  | 51.1  | 55.3  | 58.8  | 60.5  | 61.8  | 63.1  | 63.1  | 63.5  | 62.6  | 62.6  | 62.6  |
| 95°    | 46.8  | 51.1  | 54.1  | 56.2  | 57.5  | 58.4  | 58.8  | 58.8  | 58.4  | 58.4  | 58.4  |
| 97.5°  | 42.9  | 46.8  | 49.8  | 51.9  | 53.2  | 53.6  | 54.1  | 54.5  | 54.1  | 54.1  | 54.1  |
| 100°   | 39.0  | 42.9  | 45.9  | 47.6  | 49.3  | 49.8  | 50.2  | 50.6  | 50.6  | 50.2  | 50.2  |
| 102.5° | 35.6  | 39.5  | 42.0  | 44.2  | 45.5  | 46.3  | 46.8  | 46.8  | 46.8  | 46.8  | 46.8  |
| 105°   | 32.2  | 36.0  | 38.6  | 40.8  | 42.0  | 42.9  | 43.3  | 43.8  | 43.8  | 43.3  | 43.3  |
| 107.5° | 29.2  | 32.6  | 35.6  | 37.3  | 39.0  | 39.9  | 40.3  | 40.3  | 40.8  | 40.3  | 40.3  |
| 110°   | 26.2  | 30.0  | 32.6  | 34.3  | 36.0  | 36.9  | 37.3  | 37.8  | 37.8  | 37.8  | 37.8  |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 24.0 | 27.0 | 29.6 | 31.3 | 33.0 | 33.9 | 34.3 | 34.8 | 35.2 | 34.8 | 34.8 |
| 115°   | 21.5 | 24.5 | 27.0 | 28.7 | 30.0 | 30.9 | 31.7 | 32.2 | 32.2 | 32.6 | 32.2 |
| 117.5° | 19.3 | 21.9 | 24.5 | 26.2 | 27.5 | 28.7 | 29.2 | 29.6 | 30.0 | 29.6 | 29.6 |
| 120°   | 17.2 | 19.7 | 21.9 | 23.6 | 24.9 | 26.2 | 26.6 | 27.0 | 27.5 | 27.0 | 27.0 |
| 122.5° | 15.4 | 17.6 | 19.7 | 21.5 | 22.7 | 23.6 | 24.5 | 24.5 | 24.9 | 24.9 | 24.9 |
| 125°   | 13.7 | 15.9 | 17.6 | 19.3 | 20.6 | 21.5 | 21.9 | 22.3 | 22.3 | 22.7 | 22.7 |
| 127.5° | 12.0 | 13.7 | 15.9 | 17.2 | 18.4 | 19.3 | 19.7 | 20.2 | 20.2 | 20.6 | 20.6 |
| 130°   | 10.3 | 12.0 | 13.7 | 15.0 | 16.3 | 17.2 | 17.6 | 18.0 | 18.4 | 18.4 | 18.4 |
| 132.5° | 9.0  | 10.7 | 12.0 | 13.3 | 14.2 | 15.0 | 15.9 | 16.3 | 16.3 | 16.3 | 16.3 |
| 135°   | 7.3  | 9.0  | 10.3 | 11.6 | 12.4 | 13.3 | 13.7 | 14.6 | 14.6 | 14.6 | 14.6 |
| 137.5° | 6.0  | 7.7  | 9.0  | 9.9  | 10.7 | 11.6 | 12.0 | 12.4 | 12.9 | 12.9 | 12.9 |
| 140°   | 4.7  | 6.0  | 7.3  | 8.6  | 9.4  | 9.9  | 10.7 | 10.7 | 11.2 | 11.2 | 11.2 |
| 142.5° | 3.4  | 4.7  | 5.6  | 6.9  | 7.7  | 8.6  | 9.0  | 9.4  | 9.4  | 9.4  | 9.4  |
| 145°   | 2.6  | 3.4  | 4.3  | 5.1  | 6.4  | 6.9  | 7.3  | 7.7  | 8.2  | 8.2  | 8.2  |
| 147.5° | 1.7  | 2.6  | 3.0  | 3.9  | 4.7  | 5.6  | 6.0  | 6.4  | 6.9  | 6.9  | 6.9  |
| 150°   | 1.3  | 1.7  | 2.6  | 3.0  | 3.4  | 4.3  | 5.1  | 5.1  | 5.6  | 5.6  | 5.1  |
| 152.5° | 0.9  | 1.3  | 1.7  | 2.1  | 2.6  | 3.0  | 3.9  | 3.9  | 4.3  | 4.3  | 4.3  |
| 155°   | 0.9  | 0.9  | 0.9  | 1.3  | 1.7  | 2.1  | 2.6  | 3.0  | 3.0  | 3.0  | 3.0  |
| 157.5° | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 1.3  | 1.7  | 2.1  | 2.1  | 2.1  | 2.1  |
| 160°   | 0.9  | 0.9  | 0.4  | 0.4  | 0.9  | 0.9  | 0.9  | 0.9  | 1.3  | 1.3  | 1.3  |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 |
| 2.5°   | 779.2 | 780.0 | 780.0 | 779.2 | 778.7 | 780.4 | 778.3 | 770.1 | 772.7 | 773.6 | 776.1 |
| 5°     | 775.3 | 776.1 | 776.1 | 776.1 | 775.3 | 777.0 | 774.9 | 766.7 | 769.7 | 771.0 | 772.7 |
| 7.5°   | 769.7 | 770.1 | 771.0 | 770.6 | 769.7 | 772.3 | 770.1 | 762.0 | 764.1 | 766.3 | 768.4 |
| 10°    | 762.4 | 762.4 | 762.8 | 763.7 | 762.8 | 765.0 | 762.8 | 755.6 | 757.7 | 759.0 | 761.6 |
| 12.5°  | 752.6 | 753.4 | 753.8 | 753.4 | 753.0 | 754.7 | 753.8 | 747.0 | 747.8 | 750.4 | 753.0 |
| 15°    | 739.3 | 739.3 | 741.4 | 740.5 | 740.5 | 742.3 | 743.1 | 735.4 | 736.7 | 740.5 | 743.1 |
| 17.5°  | 722.9 | 723.4 | 725.1 | 725.9 | 725.5 | 728.5 | 729.0 | 722.9 | 722.5 | 727.2 | 729.8 |
| 20°    | 701.9 | 702.8 | 704.9 | 706.6 | 706.6 | 710.1 | 711.4 | 707.5 | 707.9 | 713.1 | 713.9 |
| 22.5°  | 676.2 | 676.2 | 680.0 | 682.6 | 684.8 | 686.9 | 690.8 | 687.3 | 687.3 | 694.2 | 698.1 |
| 25°    | 644.4 | 647.4 | 648.7 | 653.9 | 656.9 | 662.9 | 666.3 | 666.7 | 667.2 | 673.6 | 676.2 |
| 27.5°  | 609.2 | 610.1 | 614.0 | 620.0 | 623.4 | 629.0 | 635.4 | 636.7 | 638.9 | 647.4 | 651.3 |
| 30°    | 569.3 | 571.9 | 573.6 | 582.2 | 586.9 | 594.2 | 602.4 | 605.4 | 607.1 | 618.7 | 623.4 |
| 32.5°  | 528.6 | 529.4 | 536.7 | 541.5 | 547.0 | 554.8 | 564.2 | 569.8 | 573.2 | 585.2 | 592.1 |
| 35°    | 487.8 | 489.5 | 495.6 | 501.6 | 507.1 | 514.9 | 524.7 | 532.4 | 538.5 | 549.2 | 558.2 |
| 37.5°  | 450.5 | 454.8 | 456.1 | 462.1 | 466.4 | 474.1 | 481.0 | 492.1 | 498.1 | 509.3 | 520.9 |
| 40°    | 417.0 | 418.3 | 419.2 | 425.2 | 428.2 | 435.5 | 445.4 | 452.6 | 460.8 | 468.9 | 482.7 |
| 42.5°  | 384.0 | 384.9 | 386.1 | 389.6 | 393.0 | 398.2 | 405.5 | 412.7 | 421.3 | 433.3 | 442.3 |
| 45°    | 353.5 | 354.4 | 355.3 | 357.4 | 360.4 | 365.1 | 369.8 | 375.0 | 383.6 | 393.9 | 403.3 |
| 47.5°  | 325.2 | 326.9 | 326.9 | 327.4 | 329.5 | 333.4 | 336.8 | 343.2 | 348.0 | 353.5 | 364.3 |
| 50°    | 298.2 | 299.5 | 299.9 | 299.9 | 301.2 | 303.8 | 304.6 | 308.9 | 313.2 | 318.4 | 326.1 |
| 52.5°  | 272.9 | 272.9 | 272.4 | 274.2 | 274.2 | 275.9 | 276.3 | 278.9 | 281.9 | 287.5 | 290.9 |
| 55°    | 248.8 | 248.8 | 250.1 | 249.3 | 249.3 | 250.1 | 249.7 | 250.1 | 252.7 | 256.1 | 259.1 |
| 57.5°  | 225.7 | 225.3 | 226.5 | 225.7 | 225.3 | 226.1 | 227.0 | 225.3 | 225.7 | 229.1 | 229.1 |
| 60°    | 202.5 | 202.9 | 204.2 | 203.4 | 203.4 | 203.4 | 202.5 | 201.7 | 200.8 | 202.9 | 203.8 |
| 62.5°  | 184.1 | 182.8 | 184.1 | 182.8 | 183.6 | 183.2 | 182.3 | 180.6 | 181.1 | 180.2 | 179.3 |
| 65°    | 164.8 | 164.8 | 165.2 | 163.9 | 164.8 | 164.8 | 163.5 | 163.0 | 160.5 | 159.6 | 157.5 |
| 67.5°  | 148.0 | 148.0 | 148.5 | 147.6 | 147.6 | 148.0 | 146.7 | 145.4 | 142.9 | 141.6 | 138.6 |
| 70°    | 133.4 | 133.4 | 133.4 | 133.0 | 133.0 | 133.0 | 132.1 | 130.4 | 127.9 | 125.7 | 121.8 |
| 72.5°  | 120.1 | 120.6 | 120.1 | 120.1 | 121.4 | 120.1 | 118.8 | 117.1 | 115.0 | 110.7 | 107.3 |
| 75°    | 109.4 | 109.8 | 109.4 | 109.4 | 109.4 | 109.0 | 108.5 | 106.0 | 103.4 | 100.0 | 94.8  |
| 77.5°  | 100.0 | 100.0 | 100.4 | 100.0 | 100.0 | 99.5  | 98.3  | 96.1  | 93.1  | 90.1  | 84.1  |
| 80°    | 91.0  | 91.4  | 91.8  | 92.2  | 91.4  | 91.0  | 89.7  | 88.0  | 84.1  | 80.7  | 74.7  |
| 82.5°  | 84.5  | 84.1  | 84.5  | 85.0  | 84.1  | 83.7  | 82.4  | 80.2  | 77.2  | 72.5  | 66.5  |
| 85°    | 78.1  | 77.7  | 77.7  | 78.1  | 77.7  | 76.8  | 75.5  | 73.4  | 70.4  | 65.6  | 59.6  |
| 87.5°  | 71.7  | 72.1  | 72.5  | 72.1  | 71.7  | 70.8  | 69.5  | 67.4  | 63.9  | 60.1  | 53.6  |
| 90°    | 66.9  | 66.9  | 66.9  | 66.9  | 66.5  | 65.6  | 64.4  | 61.8  | 58.8  | 54.1  | 48.5  |
| 92.5°  | 62.6  | 62.6  | 62.6  | 62.6  | 62.2  | 60.9  | 59.6  | 57.5  | 54.1  | 49.3  | 44.2  |
| 95°    | 58.4  | 58.8  | 58.4  | 58.4  | 57.5  | 57.1  | 54.9  | 52.8  | 49.8  | 45.1  | 39.5  |
| 97.5°  | 53.6  | 54.1  | 53.6  | 53.6  | 53.2  | 52.3  | 51.1  | 48.5  | 45.5  | 41.2  | 36.0  |
| 100°   | 50.2  | 50.2  | 49.8  | 49.8  | 49.3  | 48.5  | 46.8  | 44.6  | 41.6  | 37.3  | 32.2  |
| 102.5° | 46.3  | 46.8  | 46.3  | 46.3  | 45.5  | 44.6  | 43.3  | 41.2  | 38.2  | 33.9  | 29.2  |
| 105°   | 43.3  | 43.3  | 42.9  | 42.9  | 42.0  | 41.2  | 39.9  | 37.3  | 34.8  | 30.9  | 26.2  |
| 107.5° | 40.3  | 40.3  | 39.9  | 39.9  | 39.0  | 38.2  | 36.5  | 34.3  | 31.7  | 27.9  | 23.6  |
| 110°   | 37.3  | 37.3  | 37.3  | 36.9  | 36.0  | 34.8  | 33.5  | 31.3  | 28.7  | 25.3  | 21.0  |





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 35.2 | 34.8 | 34.3 | 33.9 | 33.0 | 32.2 | 30.5 | 28.3 | 25.7 | 22.7 | 18.9 |
| 115°   | 32.2 | 32.2 | 31.7 | 31.3 | 30.5 | 29.2 | 27.9 | 26.2 | 23.6 | 20.2 | 16.7 |
| 117.5° | 29.6 | 29.6 | 29.2 | 28.7 | 27.9 | 26.6 | 25.3 | 23.6 | 21.0 | 18.0 | 15.0 |
| 120°   | 27.0 | 27.0 | 26.6 | 26.2 | 25.3 | 24.0 | 23.2 | 21.0 | 18.9 | 15.9 | 13.3 |
| 122.5° | 24.9 | 24.5 | 24.5 | 23.6 | 23.2 | 21.9 | 20.6 | 18.9 | 16.7 | 14.2 | 11.6 |
| 125°   | 22.3 | 22.3 | 21.9 | 21.5 | 21.0 | 19.7 | 18.4 | 16.7 | 14.6 | 12.4 | 10.3 |
| 127.5° | 20.2 | 20.2 | 19.7 | 19.3 | 18.9 | 17.6 | 16.3 | 15.0 | 12.9 | 10.7 | 8.6  |
| 130°   | 18.0 | 18.0 | 17.6 | 17.2 | 16.7 | 15.4 | 14.6 | 12.9 | 11.2 | 9.4  | 7.3  |
| 132.5° | 16.3 | 16.3 | 15.9 | 15.4 | 14.6 | 13.7 | 12.9 | 11.2 | 9.9  | 8.2  | 6.4  |
| 135°   | 14.6 | 14.2 | 14.2 | 13.7 | 12.9 | 12.0 | 11.2 | 9.9  | 8.2  | 6.9  | 5.1  |
| 137.5° | 12.9 | 12.4 | 12.0 | 11.6 | 11.2 | 10.3 | 9.4  | 8.6  | 7.3  | 5.6  | 4.3  |
| 140°   | 11.2 | 10.7 | 10.7 | 10.3 | 9.4  | 9.0  | 8.2  | 6.9  | 6.0  | 4.7  | 3.4  |
| 142.5° | 9.4  | 9.4  | 9.0  | 8.6  | 8.2  | 7.7  | 6.9  | 6.0  | 4.7  | 3.9  | 2.6  |
| 145°   | 8.2  | 7.7  | 7.7  | 7.3  | 6.9  | 6.0  | 5.6  | 4.7  | 3.9  | 3.0  | 2.1  |
| 147.5° | 6.4  | 6.4  | 6.4  | 6.0  | 5.6  | 5.1  | 4.7  | 3.9  | 3.0  | 2.1  | 1.3  |
| 150°   | 5.1  | 5.1  | 5.1  | 4.7  | 4.3  | 3.9  | 3.4  | 3.0  | 2.1  | 1.3  | 0.9  |
| 152.5° | 4.3  | 4.3  | 3.9  | 3.9  | 3.4  | 3.0  | 2.6  | 2.1  | 1.3  | 0.9  | 0.9  |
| 155°   | 3.0  | 3.0  | 3.0  | 2.6  | 2.6  | 2.1  | 1.7  | 1.3  | 0.9  | 0.9  | 0.9  |
| 157.5° | 2.1  | 2.1  | 2.1  | 1.7  | 1.7  | 1.3  | 1.3  | 0.9  | 0.9  | 0.9  | 0.9  |
| 160°   | 1.3  | 1.3  | 1.3  | 1.3  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 | 780.0 |
| 2.5°   | 774.9 | 774.4 | 777.9 | 777.9 | 774.0 | 780.0 | 786.4 |
| 5°     | 772.3 | 771.9 | 775.3 | 775.3 | 771.9 | 777.9 | 784.7 |
| 7.5°   | 767.1 | 767.6 | 771.0 | 771.9 | 767.6 | 773.1 | 780.4 |
| 10°    | 761.6 | 761.1 | 765.0 | 765.9 | 762.4 | 767.6 | 774.4 |
| 12.5°  | 752.6 | 752.6 | 756.4 | 757.7 | 754.3 | 760.3 | 766.7 |
| 15°    | 743.1 | 743.1 | 745.7 | 747.8 | 744.8 | 750.4 | 756.8 |
| 17.5°  | 731.1 | 730.7 | 733.2 | 735.8 | 732.8 | 738.8 | 745.7 |
| 20°    | 715.7 | 715.7 | 718.7 | 721.7 | 719.5 | 725.1 | 732.8 |
| 22.5°  | 699.3 | 697.6 | 702.8 | 704.9 | 703.6 | 709.2 | 716.9 |
| 25°    | 678.8 | 678.3 | 683.5 | 686.5 | 684.8 | 690.8 | 697.6 |
| 27.5°  | 656.4 | 656.0 | 661.2 | 665.0 | 664.2 | 669.7 | 677.5 |
| 30°    | 629.4 | 631.6 | 636.3 | 642.7 | 640.6 | 646.6 | 654.7 |
| 32.5°  | 601.1 | 603.2 | 608.8 | 615.7 | 616.1 | 620.8 | 629.0 |
| 35°    | 567.2 | 572.8 | 576.6 | 585.7 | 587.4 | 592.1 | 600.7 |
| 37.5°  | 531.6 | 538.0 | 546.2 | 553.0 | 556.5 | 560.3 | 570.2 |
| 40°    | 491.7 | 501.1 | 510.1 | 518.3 | 522.6 | 526.4 | 535.9 |
| 42.5°  | 455.6 | 462.9 | 471.5 | 479.7 | 487.4 | 490.8 | 500.7 |
| 45°    | 414.9 | 423.5 | 431.2 | 441.1 | 448.8 | 452.6 | 462.5 |
| 47.5°  | 375.0 | 383.6 | 393.9 | 400.7 | 408.9 | 412.7 | 422.2 |
| 50°    | 336.8 | 344.5 | 353.1 | 361.3 | 368.1 | 371.6 | 379.7 |
| 52.5°  | 299.0 | 307.2 | 315.4 | 320.5 | 327.8 | 330.4 | 337.2 |
| 55°    | 265.6 | 271.2 | 278.5 | 281.5 | 288.7 | 290.5 | 295.2 |
| 57.5°  | 233.4 | 237.3 | 239.8 | 245.0 | 250.1 | 254.0 | 259.6 |
| 60°    | 204.2 | 205.9 | 207.7 | 210.7 | 215.0 | 216.2 | 218.4 |
| 62.5°  | 178.1 | 177.6 | 181.1 | 181.9 | 182.3 | 186.6 | 184.5 |
| 65°    | 154.9 | 155.3 | 152.3 | 151.0 | 152.7 | 154.0 | 153.2 |
| 67.5°  | 135.6 | 133.0 | 130.4 | 127.4 | 124.9 | 126.1 | 124.9 |
| 70°    | 116.7 | 114.6 | 110.3 | 106.0 | 104.3 | 101.7 | 100.4 |
| 72.5°  | 101.7 | 96.5  | 92.2  | 86.7  | 83.7  | 80.7  | 78.5  |
| 75°    | 90.1  | 82.8  | 76.8  | 70.8  | 66.5  | 62.2  | 61.4  |
| 77.5°  | 78.1  | 71.2  | 64.4  | 57.9  | 51.5  | 46.8  | 45.1  |
| 80°    | 68.6  | 62.2  | 54.1  | 46.3  | 39.5  | 33.5  | 31.3  |
| 82.5°  | 60.1  | 53.2  | 45.1  | 36.9  | 29.2  | 22.7  | 20.2  |
| 85°    | 52.8  | 45.5  | 37.3  | 29.2  | 21.5  | 14.6  | 11.2  |
| 87.5°  | 47.2  | 39.0  | 30.9  | 23.2  | 15.0  | 8.2   | 4.3   |
| 90°    | 42.0  | 34.3  | 26.6  | 18.4  | 10.7  | 4.3   | 0.0   |
| 92.5°  | 37.3  | 30.0  | 22.3  | 15.0  | 8.2   | 2.6   | 0.4   |
| 95°    | 33.0  | 26.6  | 18.9  | 12.0  | 6.0   | 1.7   | 0.4   |
| 97.5°  | 29.6  | 23.2  | 16.3  | 9.9   | 4.7   | 1.3   | 0.4   |
| 100°   | 26.6  | 20.2  | 14.2  | 8.2   | 3.9   | 0.9   | 0.4   |
| 102.5° | 23.6  | 18.0  | 12.0  | 6.9   | 3.0   | 0.4   | 0.4   |
| 105°   | 21.0  | 15.9  | 10.3  | 6.0   | 2.6   | 0.4   | 0.4   |
| 107.5° | 18.9  | 14.2  | 9.0   | 5.1   | 1.7   | 0.4   | 0.4   |
| 110°   | 16.7  | 12.0  | 7.7   | 4.3   | 1.3   | 0.4   | 0.4   |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-22SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 15.0 | 10.7 | 6.9  | 3.4  | 0.9  | 0.4  | 0.4  |
| 115°   | 13.3 | 9.4  | 6.0  | 3.0  | 0.9  | 0.4  | 0.4  |
| 117.5° | 11.6 | 8.2  | 5.1  | 2.1  | 0.4  | 0.4  | 0.4  |
| 120°   | 10.3 | 7.3  | 4.3  | 1.7  | 0.4  | 0.4  | 0.4  |
| 122.5° | 9.0  | 6.0  | 3.4  | 1.3  | 0.4  | 0.4  | 0.4  |
| 125°   | 7.7  | 5.1  | 3.0  | 0.9  | 0.4  | 0.4  | 0.4  |
| 127.5° | 6.4  | 4.3  | 2.1  | 0.9  | 0.4  | 0.4  | 0.4  |
| 130°   | 5.6  | 3.4  | 1.7  | 0.4  | 0.4  | 0.4  | 0.4  |
| 132.5° | 4.7  | 2.6  | 1.3  | 0.4  | 0.4  | 0.4  | 0.4  |
| 135°   | 3.9  | 2.1  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  |
| 137.5° | 3.0  | 1.7  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  |
| 140°   | 2.1  | 1.3  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  |
| 142.5° | 1.7  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  |
| 145°   | 1.3  | 0.9  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  |
| 147.5° | 0.9  | 0.9  | 0.9  | 0.9  | 0.4  | 0.4  | 0.4  |
| 150°   | 0.9  | 0.9  | 0.4  | 0.4  | 0.9  | 0.4  | 0.4  |
| 152.5° | 0.9  | 0.4  | 0.4  | 0.4  | 0.9  | 0.4  | 0.4  |
| 155°   | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.4  |
| 157.5° | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  |
| 160°   | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  |
| 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)