

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-LD5-28SL-UNV-L950-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 (P27410)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-28SL-UNV-L950-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

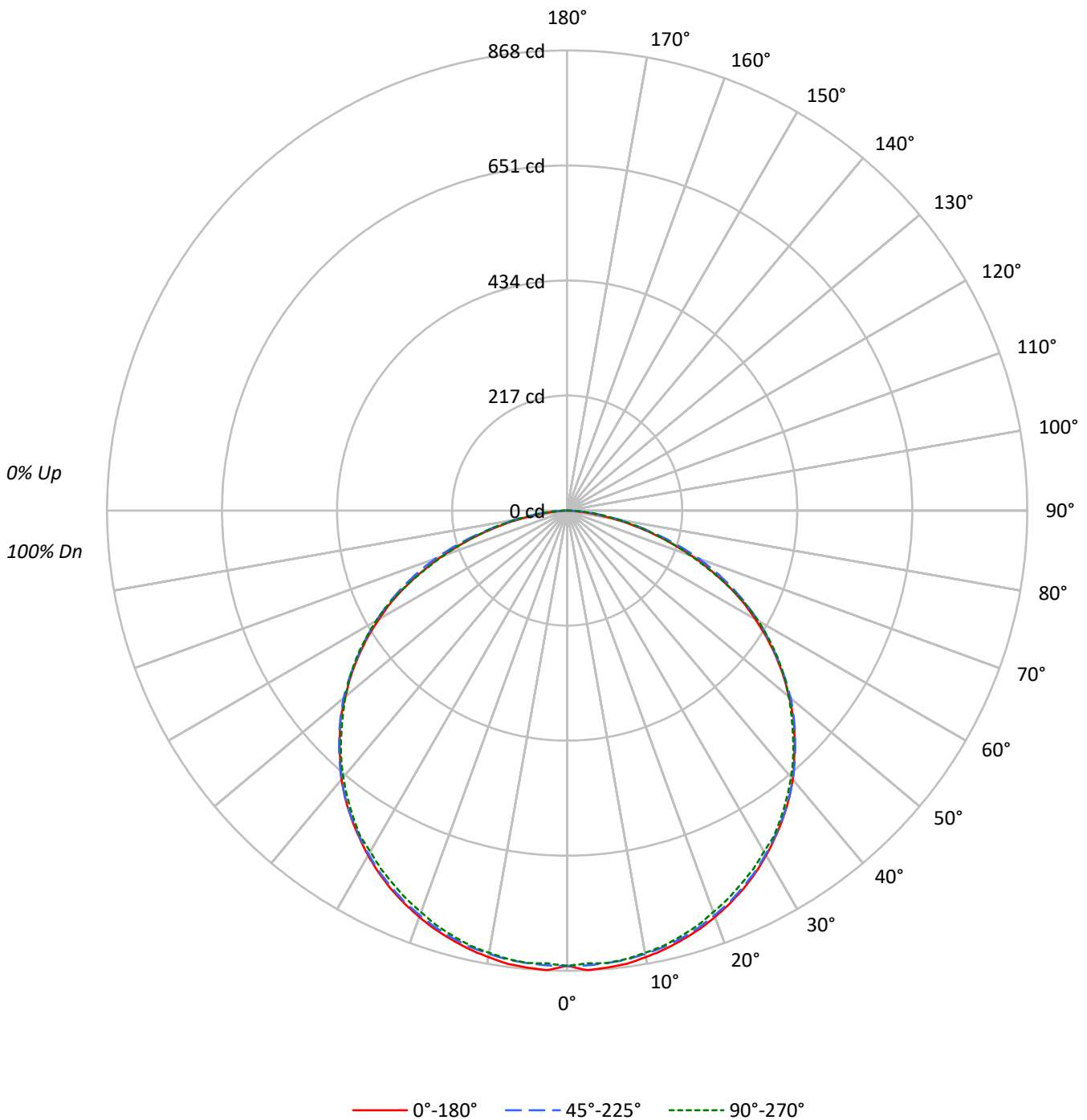
Lumens per Lamp: N/A  
Luminaire Lumens: 2576.0 lumens  
Efficiency: N/A  
Efficacy: 122.7 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Direct

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: 25 FT



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### Luminous Intensity Polar Plot





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**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 | 50 | 30 | 10  | 0 |  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |   |  |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    |    | 100 |   |  |   |
| 1   | 109 | 104 | 99  | 96  | 106 | 101 | 98  | 94  | 97  | 94  | 91  | 93  | 91  | 88  | 90  | 88  | 86  | 83  |    |    |    |    | 83  |   |  |   |
| 2   | 99  | 90  | 83  | 77  | 96  | 88  | 82  | 76  | 85  | 79  | 75  | 81  | 77  | 73  | 78  | 75  | 71  | 69  |    |    |    |    | 69  |   |  |   |
| 3   | 90  | 79  | 71  | 64  | 87  | 77  | 70  | 63  | 74  | 68  | 62  | 72  | 66  | 61  | 69  | 64  | 60  | 58  |    |    |    |    | 58  |   |  |   |
| 4   | 82  | 70  | 61  | 54  | 80  | 68  | 60  | 54  | 66  | 59  | 53  | 64  | 57  | 52  | 61  | 56  | 51  | 49  |    |    |    |    | 49  |   |  |   |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 59  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 42  |    |    |    |    | 42  |   |  |   |
| 6   | 69  | 56  | 47  | 40  | 67  | 55  | 46  | 40  | 53  | 45  | 40  | 51  | 45  | 39  | 50  | 44  | 39  | 37  |    |    |    |    | 37  |   |  |   |
| 7   | 64  | 51  | 42  | 35  | 63  | 50  | 41  | 35  | 48  | 41  | 35  | 47  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |    |    | 33  |   |  |   |
| 8   | 60  | 46  | 37  | 32  | 58  | 45  | 37  | 31  | 44  | 37  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 29  |    |    |    |    | 29  |   |  |   |
| 9   | 56  | 42  | 34  | 28  | 54  | 42  | 34  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |    |    |    |    | 26  |   |  |   |
| 10  | 52  | 39  | 31  | 26  | 51  | 38  | 31  | 26  | 37  | 30  | 25  | 36  | 30  | 25  | 36  | 30  | 25  | 23  |    |    |    |    | 23  |   |  |   |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 13878 | 13878 | 13878 |
| 5°  | 13967 | 13537 | 13455 |
| 10° | 13884 | 13217 | 13039 |
| 15° | 13800 | 12896 | 12631 |
| 20° | 13719 | 12558 | 12196 |
| 25° | 13639 | 12219 | 11789 |
| 30° | 13529 | 11858 | 11389 |
| 35° | 13412 | 11483 | 11005 |
| 40° | 13279 | 11085 | 10544 |
| 45° | 13049 | 10617 | 10018 |
| 50° | 12781 | 10111 | 9482  |
| 55° | 12453 | 9441  | 8902  |
| 60° | 11955 | 8759  | 8147  |
| 65° | 11247 | 7883  | 7085  |
| 70° | 10098 | 6743  | 5744  |
| 75° | 8380  | 5116  | 4416  |
| 80° | 6013  | 3343  | 2894  |
| 85° | 2834  | 1610  | 1293  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 81.5   | 3.2       |
| 10°-20°   | 235.0  | 9.1       |
| 20°-30°   | 359.8  | 14.0      |
| 30°-40°   | 440.8  | 17.1      |
| 40°-50°   | 466.3  | 18.1      |
| 50°-60°   | 430.4  | 16.7      |
| 60°-70°   | 332.2  | 12.9      |
| 70°-80°   | 184.4  | 7.2       |
| 80°-90°   | 45.7   | 1.8       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 676.3  | 26.3      |
| 0°-40°    | 1117.1 | 43.4      |
| 0°-60°    | 2013.8 | 78.2      |
| 0°-90°    | 2576.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2576.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 859 | 859   | 859 | 859   | 859 |      |
| 5°  | 866 | 854   | 857 | 855   | 857 | 82   |
| 15° | 839 | 829   | 835 | 832   | 831 | 237  |
| 25° | 787 | 778   | 784 | 777   | 777 | 363  |
| 35° | 710 | 702   | 708 | 700   | 704 | 444  |
| 45° | 607 | 601   | 608 | 602   | 603 | 468  |
| 55° | 481 | 478   | 483 | 483   | 485 | 430  |
| 65° | 334 | 330   | 343 | 341   | 334 | 329  |
| 75° | 166 | 175   | 177 | 176   | 170 | 176  |
| 85° | 26  | 39    | 39  | 40    | 37  | 35   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 858.7 | 858.7 | 858.7 | 858.7 | 858.7 |
| 2.5°  | 867.7 | 856.6 | 858.7 | 857.4 | 854.9 |
| 5°    | 865.6 | 854.4 | 857.0 | 854.9 | 856.6 |
| 7.5°  | 862.1 | 850.1 | 854.4 | 851.4 | 853.1 |
| 10°   | 855.3 | 845.0 | 849.3 | 845.9 | 847.1 |
| 12.5° | 848.0 | 837.3 | 843.3 | 839.0 | 840.7 |
| 15°   | 838.6 | 828.7 | 834.7 | 831.7 | 830.8 |
| 17.5° | 828.3 | 818.8 | 824.8 | 821.4 | 820.1 |
| 20°   | 815.8 | 806.8 | 812.4 | 807.3 | 806.0 |
| 22.5° | 802.1 | 793.1 | 799.6 | 792.3 | 792.7 |
| 25°   | 787.1 | 777.7 | 784.1 | 777.3 | 776.8 |
| 27.5° | 770.0 | 761.0 | 767.8 | 760.5 | 761.4 |
| 30°   | 751.1 | 742.1 | 749.0 | 741.7 | 742.5 |
| 32.5° | 730.5 | 723.2 | 729.2 | 722.4 | 727.1 |
| 35°   | 709.5 | 701.8 | 708.2 | 700.5 | 704.4 |
| 37.5° | 686.8 | 679.5 | 686.4 | 677.8 | 681.2 |
| 40°   | 662.4 | 655.9 | 661.9 | 654.2 | 657.2 |
| 42.5° | 634.1 | 630.2 | 636.2 | 628.5 | 631.1 |
| 45°   | 606.6 | 601.1 | 608.3 | 601.9 | 602.8 |
| 47.5° | 579.2 | 573.2 | 580.1 | 574.5 | 574.0 |
| 50°   | 546.2 | 544.0 | 550.5 | 546.2 | 545.8 |
| 52.5° | 514.9 | 510.6 | 517.5 | 515.3 | 516.6 |
| 55°   | 481.4 | 477.6 | 483.2 | 482.7 | 485.3 |
| 57.5° | 446.7 | 442.9 | 450.2 | 449.3 | 451.4 |
| 60°   | 409.9 | 406.9 | 416.3 | 414.1 | 415.9 |
| 62.5° | 373.8 | 368.3 | 380.3 | 378.6 | 377.7 |
| 65°   | 333.5 | 330.1 | 343.0 | 340.8 | 334.4 |
| 67.5° | 292.0 | 290.7 | 304.0 | 299.7 | 289.0 |
| 70°   | 250.4 | 251.2 | 264.1 | 255.9 | 246.9 |
| 72.5° | 206.6 | 213.1 | 220.8 | 214.8 | 208.4 |
| 75°   | 165.5 | 175.3 | 176.6 | 176.2 | 169.8 |
| 77.5° | 125.2 | 137.6 | 134.6 | 137.6 | 132.5 |
| 80°   | 87.5  | 101.2 | 99.0  | 101.6 | 97.3  |
| 82.5° | 54.0  | 66.5  | 66.9  | 68.6  | 64.7  |
| 85°   | 26.2  | 38.6  | 39.4  | 39.9  | 36.9  |
| 87.5° | 5.6   | 18.0  | 18.4  | 17.1  | 15.0  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)