

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: P218473

Luminaire Tested: **4SNLED-LD5-62SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218473  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-62SL-RM-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6395.0 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

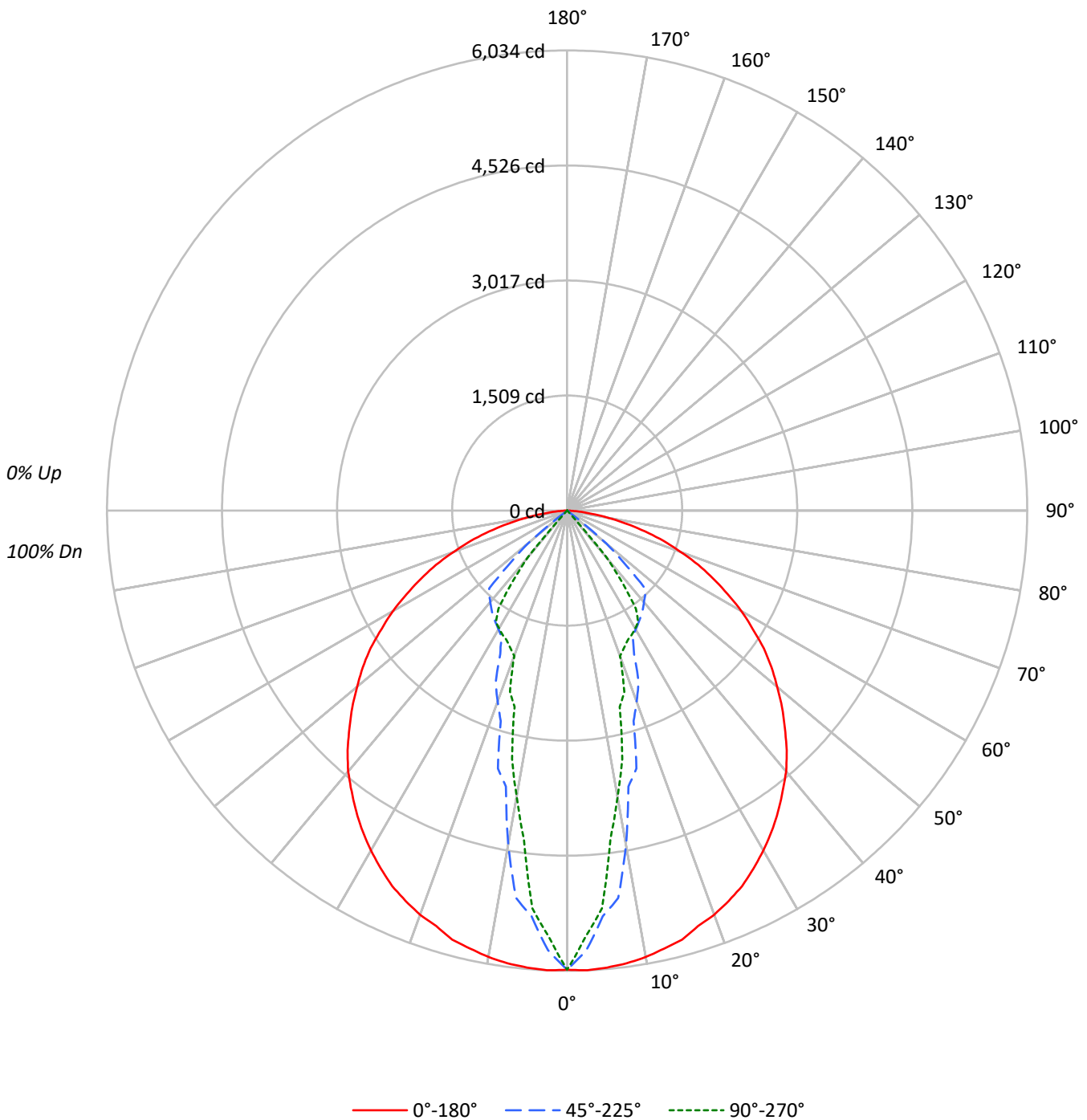
Input Watts (W): 51.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P218473

CATALOG NUMBER: 4SNLED-LD5-62SL-RM-UNV-L840-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P218473

CATALOG NUMBER: 4SNLED-LD5-62SL-RM-UNV-L840-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 | 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   | 111 | 108 | 104 | 101 | 109 | 105 | 103 | 100 | 101 | 99  | 97  | 98  | 96  | 94  | 94  | 92  | 91  | 89  |    |    |    |    | 89  |   |  |   |
| 2   | 104 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  | 89  | 85  | 82  | 86  | 83  | 81  | 79  |    |    |    |    | 79  |   |  |   |
| 3   | 96  | 88  | 81  | 76  | 94  | 86  | 80  | 75  | 84  | 78  | 74  | 81  | 77  | 73  | 79  | 75  | 72  | 70  |    |    |    |    | 70  |   |  |   |
| 4   | 90  | 80  | 73  | 67  | 88  | 79  | 72  | 67  | 76  | 71  | 66  | 74  | 69  | 65  | 72  | 68  | 64  | 62  |    |    |    |    | 62  |   |  |   |
| 5   | 84  | 73  | 66  | 60  | 82  | 72  | 65  | 60  | 70  | 64  | 59  | 68  | 63  | 59  | 67  | 62  | 58  | 56  |    |    |    |    | 56  |   |  |   |
| 6   | 78  | 67  | 60  | 54  | 77  | 66  | 59  | 54  | 65  | 58  | 54  | 63  | 57  | 53  | 62  | 57  | 53  | 51  |    |    |    |    | 51  |   |  |   |
| 7   | 74  | 62  | 54  | 49  | 72  | 61  | 54  | 49  | 60  | 53  | 49  | 58  | 53  | 48  | 57  | 52  | 48  | 46  |    |    |    |    | 46  |   |  |   |
| 8   | 69  | 57  | 50  | 45  | 68  | 57  | 50  | 45  | 56  | 49  | 45  | 54  | 49  | 44  | 53  | 48  | 44  | 43  |    |    |    |    | 43  |   |  |   |
| 9   | 65  | 54  | 46  | 42  | 64  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  |    |    |    |    | 39  |   |  |   |
| 10  | 62  | 50  | 43  | 38  | 60  | 50  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 36  |    |    |    |    | 36  |   |  |   |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 97023 | 97023 | 97023 |
| 5°  | 96940 | 81164 | 77881 |
| 10° | 96545 | 64366 | 52969 |
| 15° | 96072 | 48792 | 35055 |
| 20° | 95230 | 35987 | 25492 |
| 25° | 94713 | 27488 | 22750 |
| 30° | 93504 | 23484 | 21038 |
| 35° | 92158 | 21902 | 18167 |
| 40° | 90772 | 20372 | 9121  |
| 45° | 88304 | 18942 | 35    |
| 50° | 85845 | 8995  | 0     |
| 55° | 83424 | 296   | 0     |
| 60° | 79334 | 219   | 0     |
| 65° | 73986 | 92    | 0     |
| 70° | 66889 | 48    | 0     |
| 75° | 56941 | 51    | 41    |
| 80° | 40816 | 56    | 43    |
| 85° | 19725 | 61    | 46    |



TEST NUMBER: P218473

CATALOG NUMBER: 4SNLED-LD5-62SL-RM-UNV-L840-CD1-U

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 496.9  | 7.8       |
| 10°-20°   | 1071.2 | 16.8      |
| 20°-30°   | 1277.9 | 20.0      |
| 30°-40°   | 1359.8 | 21.3      |
| 40°-50°   | 993.5  | 15.5      |
| 50°-60°   | 634.5  | 9.9       |
| 60°-70°   | 382.1  | 6.0       |
| 70°-80°   | 148.9  | 2.3       |
| 80°-90°   | 30.2   | 0.5       |
| 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°    | 2846.1 | 44.5      |
| 0°-40°    | 4205.8 | 65.8      |
| 0°-60°    | 5833.8 | 91.2      |
| 0°-90°    | 6395.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6395.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 6021 | 6021  | 6021 | 6021  | 6021 |      |
| 5°  | 6015 | 5721  | 5341 | 5245  | 5236 | 572  |
| 15° | 5823 | 4967  | 3502 | 2729  | 2664 | 1640 |
| 25° | 5431 | 3462  | 2077 | 1892  | 1876 | 2499 |
| 35° | 4822 | 2287  | 1688 | 1688  | 1570 | 3016 |
| 45° | 4037 | 1481  | 1444 | 6     | 3    | 3118 |
| 55° | 3147 | 1168  | 22   | 3     | 0    | 2801 |
| 65° | 2114 | 476   | 6    | 3     | 0    | 2092 |
| 75° | 1057 | 25    | 3    | 3     | 3    | 1117 |
| 85° | 158  | 3     | 3    | 3     | 3    | 219  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



TEST NUMBER: P218473

CATALOG NUMBER: 4SNLED-LD5-62SL-RM-UNV-L840-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 6021.2 | 6021.2 | 6021.2 | 6021.2 | 6021.2 |
| 2.5°  | 6033.6 | 5993.4 | 5770.8 | 5678.1 | 5588.5 |
| 5°    | 6015.0 | 5721.4 | 5341.2 | 5245.4 | 5236.1 |
| 7.5°  | 5987.2 | 5446.3 | 5124.8 | 4574.6 | 4342.8 |
| 10°   | 5943.9 | 5267.0 | 4444.8 | 3981.2 | 3808.1 |
| 12.5° | 5882.1 | 5001.2 | 3706.1 | 3440.3 | 3338.2 |
| 15°   | 5823.4 | 4967.2 | 3502.1 | 2729.3 | 2664.4 |
| 17.5° | 5712.1 | 4274.8 | 2893.1 | 2565.5 | 2491.3 |
| 20°   | 5637.9 | 3959.5 | 2661.3 | 2225.5 | 2027.7 |
| 22.5° | 5539.0 | 3774.1 | 2448.0 | 2024.6 | 1947.3 |
| 25°   | 5430.8 | 3461.9 | 2077.1 | 1891.7 | 1876.2 |
| 27.5° | 5291.7 | 3044.6 | 1860.8 | 1842.2 | 1836.0 |
| 30°   | 5146.5 | 2584.1 | 1798.9 | 1792.8 | 1783.5 |
| 32.5° | 4988.8 | 2401.7 | 1743.3 | 1743.3 | 1734.0 |
| 35°   | 4821.9 | 2287.3 | 1687.7 | 1687.7 | 1570.2 |
| 37.5° | 4642.6 | 2142.0 | 1632.0 | 1632.0 | 1180.8 |
| 40°   | 4466.5 | 1836.0 | 1567.1 | 1088.0 | 797.5  |
| 42.5° | 4262.4 | 1585.7 | 1511.5 | 760.4  | 6.2    |
| 45°   | 4036.8 | 1480.6 | 1443.5 | 6.2    | 3.1    |
| 47.5° | 3823.5 | 1406.4 | 982.9  | 3.1    | 0.0    |
| 50°   | 3594.8 | 1326.0 | 673.8  | 3.1    | 0.0    |
| 52.5° | 3378.4 | 1251.8 | 30.9   | 3.1    | 0.0    |
| 55°   | 3146.6 | 1168.4 | 21.6   | 3.1    | 0.0    |
| 57.5° | 2883.9 | 1088.0 | 18.5   | 3.1    | 0.0    |
| 60°   | 2639.7 | 1001.5 | 15.5   | 3.1    | 0.0    |
| 62.5° | 2370.8 | 850.0  | 9.3    | 3.1    | 0.0    |
| 65°   | 2114.2 | 476.0  | 6.2    | 3.1    | 0.0    |
| 67.5° | 1860.8 | 77.3   | 6.2    | 3.1    | 0.0    |
| 70°   | 1582.6 | 52.5   | 3.1    | 3.1    | 0.0    |
| 72.5° | 1326.0 | 40.2   | 3.1    | 3.1    | 3.1    |
| 75°   | 1057.1 | 24.7   | 3.1    | 3.1    | 3.1    |
| 77.5° | 791.3  | 15.5   | 3.1    | 3.1    | 3.1    |
| 80°   | 544.0  | 9.3    | 3.1    | 3.1    | 3.1    |
| 82.5° | 327.6  | 3.1    | 3.1    | 3.1    | 3.1    |
| 85°   | 157.6  | 3.1    | 3.1    | 3.1    | 3.1    |
| 87.5° | 49.5   | 3.1    | 3.1    | 3.1    | 3.1    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)