

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: P567343

Luminaire Tested: **8SNX-126SL-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567343  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-126SL-UNV-L935-CD  
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

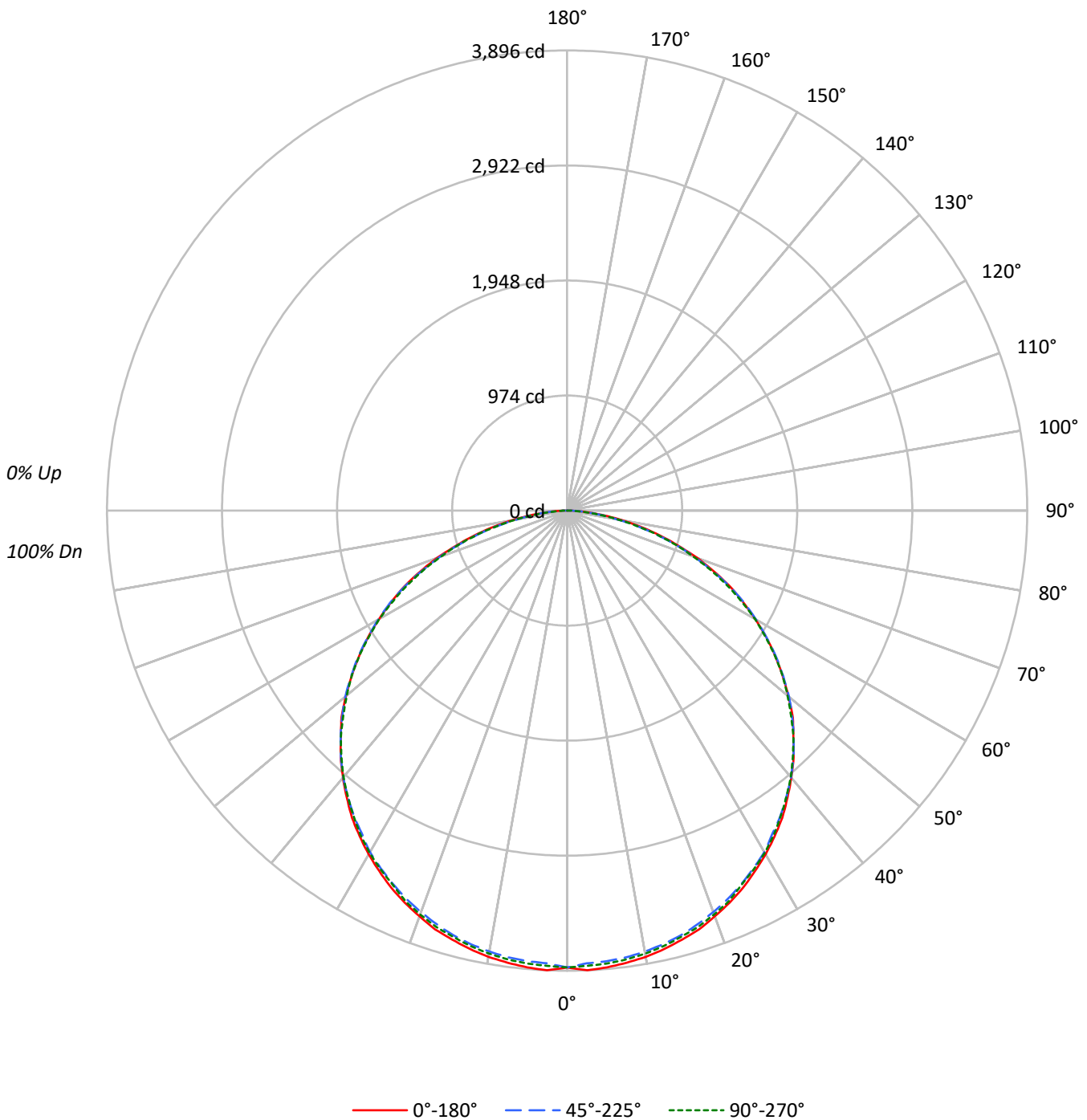
Lumens per Lamp: N/A  
Luminaire Lumens: 11565.0 lumens  
Efficiency: N/A  
Efficacy: 130.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 88.8  
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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 109 | 104 | 99  | 95  | 106 | 101 | 98  | 94  | 97  | 94  | 91  |  | 93  | 91  | 88  |  | 90  | 88  | 86  | 83  |
| 2   | 99  | 90  | 83  | 77  | 96  | 88  | 82  | 76  | 85  | 79  | 75  |  | 81  | 77  | 73  |  | 78  | 75  | 71  | 69  |
| 3   | 90  | 79  | 71  | 64  | 87  | 77  | 70  | 63  | 74  | 68  | 62  |  | 72  | 66  | 61  |  | 69  | 64  | 60  | 58  |
| 4   | 82  | 70  | 61  | 54  | 80  | 68  | 60  | 54  | 66  | 59  | 53  |  | 64  | 57  | 52  |  | 61  | 56  | 51  | 49  |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 59  | 51  | 46  |  | 57  | 50  | 45  |  | 55  | 49  | 45  | 42  |
| 6   | 69  | 56  | 47  | 40  | 67  | 55  | 46  | 40  | 53  | 45  | 40  |  | 51  | 45  | 39  |  | 50  | 44  | 39  | 37  |
| 7   | 64  | 51  | 42  | 35  | 63  | 50  | 41  | 35  | 48  | 41  | 35  |  | 47  | 40  | 35  |  | 45  | 39  | 35  | 33  |
| 8   | 60  | 46  | 37  | 32  | 58  | 45  | 37  | 31  | 44  | 37  | 31  |  | 43  | 36  | 31  |  | 42  | 35  | 31  | 29  |
| 9   | 56  | 42  | 34  | 28  | 54  | 42  | 34  | 28  | 41  | 33  | 28  |  | 39  | 33  | 28  |  | 38  | 32  | 28  | 26  |
| 10  | 52  | 39  | 31  | 26  | 51  | 38  | 31  | 26  | 37  | 30  | 25  |  | 36  | 30  | 25  |  | 36  | 30  | 25  | 23  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 20817 | 20817 | 20817 |
| 5°  | 20971 | 20689 | 20802 |
| 10° | 20967 | 20720 | 20815 |
| 15° | 20951 | 20737 | 20815 |
| 20° | 20938 | 20719 | 20838 |
| 25° | 20924 | 20718 | 20759 |
| 30° | 20882 | 20752 | 20795 |
| 35° | 20865 | 20705 | 20728 |
| 40° | 20747 | 20723 | 20698 |
| 45° | 20623 | 20650 | 20623 |
| 50° | 20474 | 20532 | 20386 |
| 55° | 20203 | 20268 | 20170 |
| 60° | 19806 | 19881 | 19769 |
| 65° | 19401 | 19269 | 19003 |
| 70° | 18445 | 18062 | 17843 |
| 75° | 16854 | 16274 | 16346 |
| 80° | 14555 | 13476 | 13798 |
| 85° | 10955 | 10522 | 9448  |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 366.9   | 3.2       |
| 10°-20°   | 1057.3  | 9.1       |
| 20°-30°   | 1617.7  | 14.0      |
| 30°-40°   | 1978.0  | 17.1      |
| 40°-50°   | 2092.4  | 18.1      |
| 50°-60°   | 1927.9  | 16.7      |
| 60°-70°   | 1485.6  | 12.8      |
| 70°-80°   | 832.4   | 7.2       |
| 80°-90°   | 206.9   | 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°    | 3042.0  | 26.3      |
| 0°-40°    | 5020.0  | 43.4      |
| 0°-60°    | 9040.2  | 78.2      |
| 0°-90°    | 11565.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 11565.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3868 | 3868  | 3868 | 3868  | 3868 |      |
| 5°  | 3882 | 3868  | 3830 | 3868  | 3850 | 369  |
| 15° | 3760 | 3753  | 3722 | 3753  | 3736 | 1062 |
| 25° | 3524 | 3517  | 3489 | 3517  | 3496 | 1624 |
| 35° | 3176 | 3169  | 3151 | 3162  | 3155 | 1984 |
| 45° | 2710 | 2720  | 2713 | 2710  | 2710 | 2093 |
| 55° | 2153 | 2170  | 2160 | 2160  | 2150 | 1923 |
| 65° | 1524 | 1524  | 1513 | 1475  | 1492 | 1499 |
| 75° | 810  | 800   | 783  | 755   | 786  | 859  |
| 85° | 177  | 167   | 170  | 170   | 153  | 219  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3867.9 | 3867.9 | 3867.9 | 3867.9 | 3867.9 |
| 2.5°  | 3895.7 | 3878.3 | 3836.6 | 3874.9 | 3857.5 |
| 5°    | 3881.8 | 3867.9 | 3829.6 | 3867.9 | 3850.5 |
| 7.5°  | 3860.9 | 3850.5 | 3815.7 | 3850.5 | 3833.1 |
| 10°   | 3836.6 | 3826.2 | 3791.4 | 3826.2 | 3808.8 |
| 12.5° | 3801.8 | 3794.9 | 3760.1 | 3794.9 | 3777.5 |
| 15°   | 3760.1 | 3753.1 | 3721.8 | 3753.1 | 3735.7 |
| 17.5° | 3718.3 | 3704.4 | 3673.1 | 3707.9 | 3694.0 |
| 20°   | 3655.7 | 3648.8 | 3617.5 | 3648.8 | 3638.3 |
| 22.5° | 3593.1 | 3586.2 | 3558.3 | 3586.2 | 3579.2 |
| 25°   | 3523.6 | 3516.6 | 3488.8 | 3516.6 | 3495.7 |
| 27.5° | 3443.5 | 3447.0 | 3415.7 | 3433.1 | 3422.7 |
| 30°   | 3360.1 | 3360.1 | 3339.2 | 3346.2 | 3346.2 |
| 32.5° | 3269.6 | 3269.6 | 3238.3 | 3259.2 | 3255.7 |
| 35°   | 3175.7 | 3168.8 | 3151.4 | 3161.8 | 3154.8 |
| 37.5° | 3064.4 | 3060.9 | 3050.5 | 3057.5 | 3050.5 |
| 40°   | 2953.1 | 2956.6 | 2949.6 | 2946.1 | 2946.1 |
| 42.5° | 2838.3 | 2845.3 | 2834.8 | 2831.4 | 2827.9 |
| 45°   | 2709.6 | 2720.1 | 2713.1 | 2709.6 | 2709.6 |
| 47.5° | 2591.4 | 2594.8 | 2584.4 | 2580.9 | 2570.5 |
| 50°   | 2445.3 | 2459.2 | 2452.2 | 2445.3 | 2434.8 |
| 52.5° | 2299.2 | 2320.0 | 2306.1 | 2299.2 | 2299.2 |
| 55°   | 2153.1 | 2170.5 | 2160.0 | 2160.0 | 2149.6 |
| 57.5° | 2000.0 | 2017.4 | 2003.5 | 2003.5 | 1989.6 |
| 60°   | 1840.0 | 1857.4 | 1847.0 | 1836.6 | 1836.6 |
| 62.5° | 1680.0 | 1693.9 | 1690.5 | 1673.1 | 1662.6 |
| 65°   | 1523.5 | 1523.5 | 1513.1 | 1474.8 | 1492.2 |
| 67.5° | 1346.1 | 1342.6 | 1328.7 | 1290.5 | 1314.8 |
| 70°   | 1172.2 | 1172.2 | 1147.8 | 1102.6 | 1133.9 |
| 72.5° | 984.4  | 994.8  | 963.5  | 932.2  | 963.5  |
| 75°   | 810.5  | 800.0  | 782.6  | 754.8  | 786.1  |
| 77.5° | 643.5  | 626.1  | 605.2  | 591.3  | 608.7  |
| 80°   | 469.6  | 459.1  | 434.8  | 434.8  | 445.2  |
| 82.5° | 320.0  | 309.6  | 292.2  | 295.7  | 281.7  |
| 85°   | 177.4  | 167.0  | 170.4  | 170.4  | 153.0  |
| 87.5° | 73.0   | 73.0   | 73.0   | 66.1   | 59.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)