

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: P314691

Luminaire Tested: **14FPSL2SCT3-4000K-LOW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P314691  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-285-26)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14FPSL2SCT3-4000K-LOW  
Description: 1X4 CCT AND LUMEN SELECTABLE FLAT PANEL LUMINAIRE

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2255.2 lumens  
Efficiency: N/A  
Efficacy: 120.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

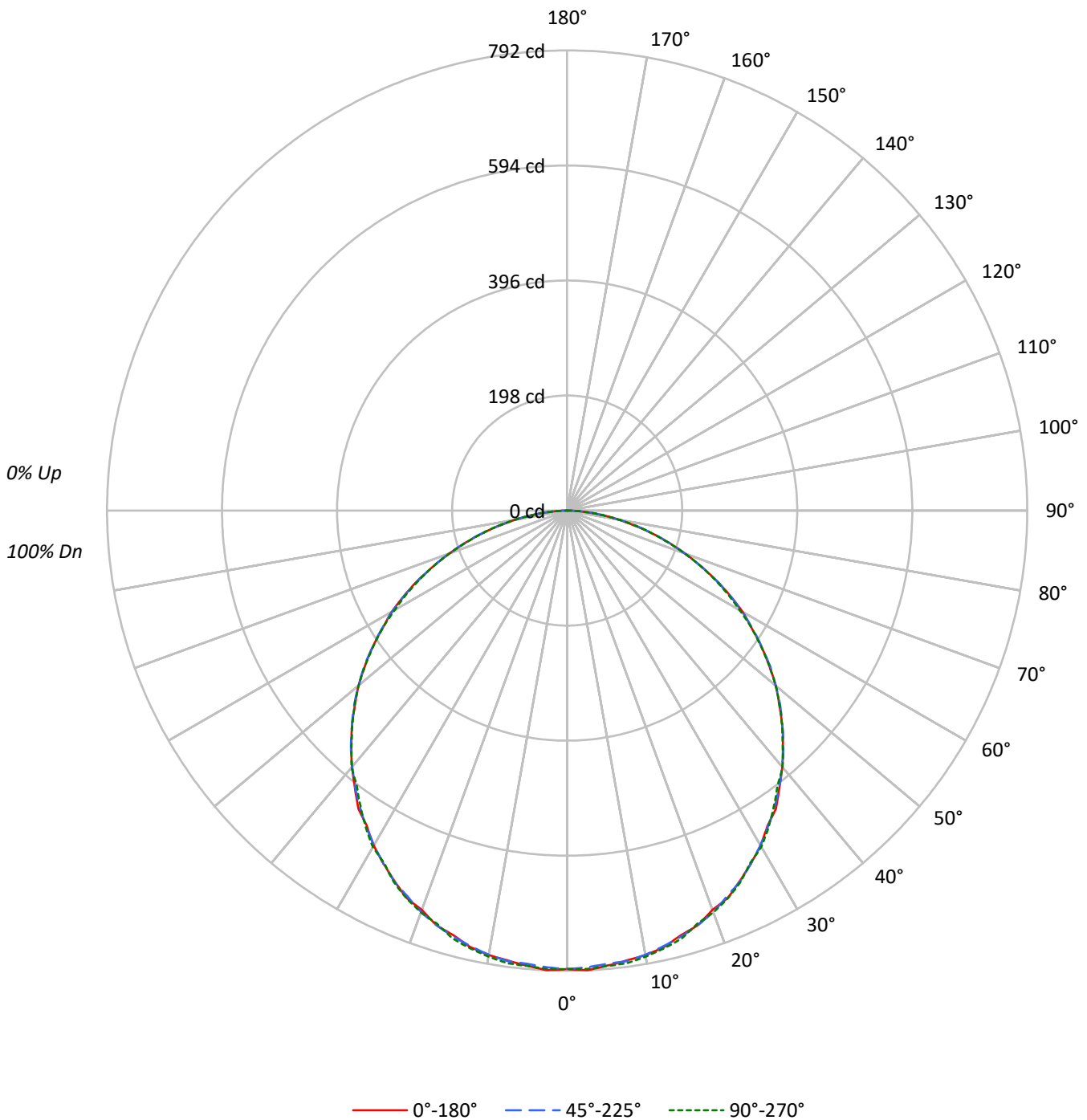
Input Watts (W): 18.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  | 96  | 106 | 102 | 98  | 94  | 97  | 94  | 91  | 93  | 91  | 88  | 90  | 88  | 86  | 84  |
| 2   | 99  | 90  | 83  | 78  | 96  | 88  | 82  | 77  | 85  | 80  | 75  | 82  | 77  | 73  | 79  | 75  | 72  | 69  |
| 3   | 90  | 79  | 71  | 64  | 87  | 78  | 70  | 64  | 75  | 68  | 63  | 72  | 66  | 62  | 69  | 65  | 61  | 58  |
| 4   | 82  | 70  | 61  | 55  | 80  | 69  | 61  | 54  | 66  | 59  | 53  | 64  | 58  | 53  | 62  | 56  | 52  | 50  |
| 5   | 76  | 63  | 54  | 47  | 74  | 62  | 53  | 47  | 59  | 52  | 46  | 57  | 51  | 46  | 56  | 50  | 45  | 43  |
| 6   | 70  | 56  | 47  | 41  | 68  | 55  | 47  | 41  | 54  | 46  | 40  | 52  | 45  | 40  | 50  | 44  | 40  | 38  |
| 7   | 65  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 49  | 41  | 36  | 47  | 40  | 35  | 46  | 40  | 35  | 33  |
| 8   | 60  | 47  | 38  | 32  | 59  | 46  | 38  | 32  | 45  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 31  | 30  |
| 9   | 56  | 43  | 35  | 29  | 55  | 42  | 34  | 29  | 41  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 28  | 27  |
| 10  | 53  | 39  | 32  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  | 37  | 31  | 26  | 36  | 30  | 26  | 24  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2123 | 2123 | 2123 |
| 5°  | 2124 | 2115 | 2125 |
| 10° | 2122 | 2121 | 2130 |
| 15° | 2108 | 2114 | 2123 |
| 20° | 2094 | 2106 | 2107 |
| 25° | 2088 | 2091 | 2095 |
| 30° | 2069 | 2067 | 2078 |
| 35° | 2058 | 2045 | 2038 |
| 40° | 2024 | 2022 | 2028 |
| 45° | 1994 | 1994 | 1990 |
| 50° | 1964 | 1961 | 1961 |
| 55° | 1917 | 1917 | 1911 |
| 60° | 1876 | 1870 | 1846 |
| 65° | 1799 | 1791 | 1780 |
| 70° | 1698 | 1698 | 1688 |
| 75° | 1573 | 1579 | 1573 |
| 80° | 1390 | 1407 | 1424 |
| 85° | 1124 | 1195 | 1158 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 74.8   | 3.3       |
| 10°-20°   | 214.4  | 9.5       |
| 20°-30°   | 324.1  | 14.4      |
| 30°-40°   | 389.8  | 17.3      |
| 40°-50°   | 404.3  | 17.9      |
| 50°-60°   | 365.3  | 16.2      |
| 60°-70°   | 278.5  | 12.3      |
| 70°-80°   | 160.1  | 7.1       |
| 80°-90°   | 43.9   | 1.9       |
| 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°    | 613.4  | 27.2      |
| 0°-40°    | 1003.2 | 44.5      |
| 0°-60°    | 1772.7 | 78.6      |
| 0°-90°    | 2255.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2255.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 789 | 789   | 789 | 789   | 789 |      |
| 5°  | 786 | 786   | 783 | 787   | 787 | 75   |
| 15° | 757 | 760   | 759 | 761   | 762 | 214  |
| 25° | 703 | 703   | 704 | 702   | 706 | 324  |
| 35° | 626 | 626   | 623 | 624   | 620 | 390  |
| 45° | 524 | 525   | 524 | 523   | 523 | 404  |
| 55° | 408 | 410   | 408 | 408   | 407 | 365  |
| 65° | 282 | 282   | 281 | 280   | 280 | 279  |
| 75° | 151 | 151   | 152 | 151   | 151 | 160  |
| 85° | 36  | 38    | 39  | 38    | 38  | 43   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 789.1 | 789.1 | 789.1 | 789.1 | 789.1 |
| 2.5°  | 791.9 | 791.3 | 786.8 | 789.6 | 789.6 |
| 5°    | 786.3 | 785.7 | 782.9 | 787.4 | 786.8 |
| 7.5°  | 781.2 | 782.3 | 782.3 | 784.6 | 785.7 |
| 10°   | 776.7 | 779.0 | 776.2 | 780.7 | 779.5 |
| 12.5° | 769.5 | 770.0 | 767.8 | 769.5 | 771.7 |
| 15°   | 756.6 | 759.9 | 758.8 | 761.0 | 762.2 |
| 17.5° | 748.2 | 748.2 | 748.2 | 751.5 | 745.4 |
| 20°   | 731.3 | 735.8 | 735.3 | 735.8 | 735.8 |
| 22.5° | 721.8 | 717.9 | 718.5 | 722.9 | 722.4 |
| 25°   | 703.3 | 703.3 | 704.4 | 701.6 | 705.6 |
| 27.5° | 684.8 | 685.4 | 684.8 | 685.4 | 683.1 |
| 30°   | 665.8 | 665.8 | 665.2 | 666.3 | 668.6 |
| 32.5° | 642.2 | 647.3 | 643.9 | 645.0 | 645.6 |
| 35°   | 626.5 | 626.5 | 622.6 | 623.7 | 620.4 |
| 37.5° | 600.2 | 599.6 | 599.6 | 600.2 | 595.2 |
| 40°   | 576.1 | 575.5 | 575.5 | 575.0 | 577.2 |
| 42.5° | 549.8 | 550.9 | 550.9 | 550.9 | 549.2 |
| 45°   | 524.0 | 525.1 | 524.0 | 523.4 | 522.9 |
| 47.5° | 495.4 | 497.7 | 497.7 | 497.1 | 496.5 |
| 50°   | 469.1 | 470.8 | 468.5 | 466.8 | 468.5 |
| 52.5° | 438.2 | 440.5 | 440.5 | 437.1 | 438.2 |
| 55°   | 408.5 | 410.2 | 408.5 | 408.0 | 407.4 |
| 57.5° | 376.6 | 379.4 | 378.3 | 377.2 | 376.6 |
| 60°   | 348.6 | 348.6 | 347.5 | 343.5 | 343.0 |
| 62.5° | 315.5 | 316.6 | 315.5 | 312.7 | 311.6 |
| 65°   | 282.5 | 281.9 | 281.3 | 280.2 | 279.6 |
| 67.5° | 247.7 | 250.5 | 248.3 | 248.3 | 248.3 |
| 70°   | 215.8 | 216.9 | 215.8 | 214.6 | 214.6 |
| 72.5° | 182.7 | 183.3 | 182.7 | 181.6 | 181.6 |
| 75°   | 151.3 | 150.8 | 151.9 | 151.3 | 151.3 |
| 77.5° | 118.2 | 121.1 | 120.5 | 119.4 | 121.1 |
| 80°   | 89.7  | 90.2  | 90.8  | 91.3  | 91.9  |
| 82.5° | 62.2  | 62.8  | 63.9  | 63.9  | 62.8  |
| 85°   | 36.4  | 37.5  | 38.7  | 37.5  | 37.5  |
| 87.5° | 14.6  | 15.1  | 14.6  | 15.7  | 15.7  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)