

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: P568323

Luminaire Tested: **14CGTX-30-L835**

Issue Date: 9/19/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568323  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CGTX-30-L835  
Description: 1X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

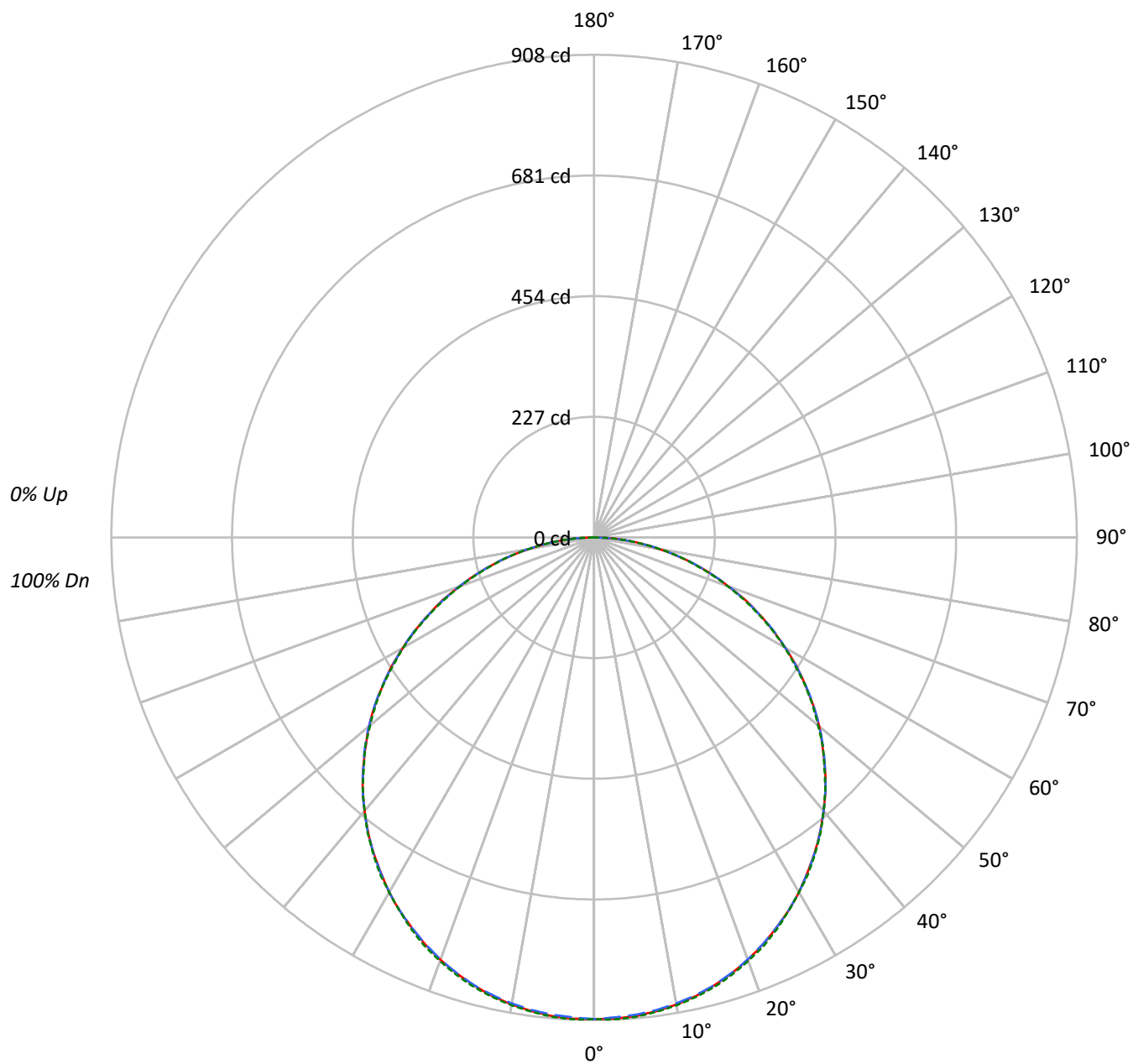
Lumens per Lamp: N/A  
Luminaire Lumens: 2679.0 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 23.9  
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 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 108 | 103 | 99  | 95  | 106 | 101 | 97  | 93  | 97  | 93  | 90  | 93  | 90  | 88  | 89  | 87  | 85  | 83  |    |    |
| 2   | 98  | 90  | 83  | 77  | 96  | 88  | 81  | 76  | 84  | 79  | 74  | 81  | 76  | 72  | 78  | 74  | 71  | 69  |    |    |
| 3   | 89  | 79  | 70  | 63  | 87  | 77  | 69  | 63  | 74  | 67  | 62  | 71  | 65  | 61  | 69  | 64  | 60  | 57  |    |    |
| 4   | 82  | 69  | 60  | 54  | 79  | 68  | 60  | 53  | 66  | 58  | 52  | 63  | 57  | 52  | 61  | 56  | 51  | 49  |    |    |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 59  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 44  | 42  |    |    |
| 6   | 69  | 56  | 47  | 40  | 67  | 55  | 46  | 40  | 53  | 45  | 40  | 51  | 44  | 39  | 50  | 44  | 39  | 37  |    |    |
| 7   | 64  | 50  | 42  | 35  | 62  | 50  | 41  | 35  | 48  | 40  | 35  | 47  | 40  | 35  | 45  | 39  | 34  | 32  |    |    |
| 8   | 60  | 46  | 37  | 31  | 58  | 45  | 37  | 31  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 29  |    |    |
| 9   | 56  | 42  | 34  | 28  | 54  | 42  | 34  | 28  | 40  | 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°  | 2439 | 2439 | 2439 |
| 5°  | 2441 | 2434 | 2445 |
| 10° | 2438 | 2432 | 2442 |
| 15° | 2431 | 2429 | 2439 |
| 20° | 2421 | 2419 | 2428 |
| 25° | 2407 | 2407 | 2415 |
| 30° | 2395 | 2394 | 2395 |
| 35° | 2377 | 2378 | 2382 |
| 40° | 2359 | 2359 | 2359 |
| 45° | 2337 | 2336 | 2330 |
| 50° | 2316 | 2316 | 2302 |
| 55° | 2275 | 2282 | 2272 |
| 60° | 2235 | 2235 | 2229 |
| 65° | 2186 | 2184 | 2171 |
| 70° | 2115 | 2126 | 2102 |
| 75° | 2048 | 2051 | 2024 |
| 80° | 1903 | 1936 | 1936 |
| 85° | 1794 | 1772 | 1741 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 85.9   | 3.2       |
| 10°-20°   | 246.5  | 9.2       |
| 20°-30°   | 374.2  | 14.0      |
| 30°-40°   | 453.1  | 16.9      |
| 40°-50°   | 474.0  | 17.7      |
| 50°-60°   | 434.1  | 16.2      |
| 60°-70°   | 339.5  | 12.7      |
| 70°-80°   | 207.6  | 7.8       |
| 80°-90°   | 63.9   | 2.4       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 706.6  | 26.4      |
| 0°-40°    | 1159.7 | 43.3      |
| 0°-60°    | 2067.9 | 77.2      |
| 0°-90°    | 2679.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2679.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 906 | 906   | 906 | 906   | 906 |      |
| 5°  | 904 | 904   | 901 | 904   | 905 | 86   |
| 15° | 873 | 873   | 872 | 874   | 875 | 246  |
| 25° | 810 | 812   | 810 | 813   | 813 | 374  |
| 35° | 724 | 724   | 724 | 725   | 725 | 453  |
| 45° | 614 | 615   | 614 | 614   | 612 | 474  |
| 55° | 485 | 488   | 486 | 485   | 484 | 434  |
| 65° | 343 | 345   | 343 | 342   | 341 | 340  |
| 75° | 197 | 196   | 197 | 196   | 195 | 208  |
| 85° | 58  | 56    | 57  | 56    | 56  | 64   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5°  | 906.2 | 906.2 | 903.5 | 906.9 | 907.5 |
| 5°    | 903.8 | 903.8 | 901.2 | 904.2 | 905.2 |
| 7.5°  | 898.8 | 899.1 | 896.8 | 899.8 | 900.2 |
| 10°   | 892.1 | 892.4 | 890.1 | 893.4 | 893.8 |
| 12.5° | 883.7 | 884.0 | 882.0 | 885.0 | 885.4 |
| 15°   | 872.6 | 873.3 | 872.0 | 874.3 | 875.3 |
| 17.5° | 859.9 | 860.9 | 859.2 | 862.2 | 862.6 |
| 20°   | 845.4 | 845.8 | 844.8 | 847.1 | 847.8 |
| 22.5° | 829.0 | 830.0 | 828.3 | 831.3 | 832.4 |
| 25°   | 810.5 | 812.2 | 810.5 | 812.6 | 813.2 |
| 27.5° | 791.7 | 793.1 | 791.7 | 792.8 | 792.1 |
| 30°   | 770.9 | 771.3 | 770.6 | 770.9 | 770.9 |
| 32.5° | 746.8 | 748.1 | 747.4 | 749.1 | 749.8 |
| 35°   | 723.6 | 723.9 | 723.9 | 725.0 | 725.0 |
| 37.5° | 698.4 | 698.4 | 698.8 | 699.8 | 699.8 |
| 40°   | 671.6 | 672.3 | 671.6 | 672.3 | 671.6 |
| 42.5° | 644.4 | 644.1 | 644.4 | 644.7 | 643.7 |
| 45°   | 614.2 | 615.2 | 613.9 | 613.9 | 612.2 |
| 47.5° | 583.0 | 585.0 | 584.7 | 583.7 | 584.0 |
| 50°   | 553.1 | 553.8 | 553.1 | 552.1 | 549.8 |
| 52.5° | 519.9 | 521.9 | 520.2 | 520.6 | 517.9 |
| 55°   | 485.0 | 488.3 | 486.3 | 485.0 | 484.3 |
| 57.5° | 451.8 | 452.8 | 450.7 | 449.1 | 448.1 |
| 60°   | 415.2 | 416.5 | 415.2 | 413.8 | 414.2 |
| 62.5° | 379.3 | 381.3 | 381.6 | 378.9 | 378.3 |
| 65°   | 343.3 | 345.0 | 343.0 | 341.7 | 341.0 |
| 67.5° | 308.4 | 308.1 | 306.4 | 304.7 | 304.1 |
| 70°   | 268.8 | 271.2 | 270.2 | 270.5 | 267.2 |
| 72.5° | 233.6 | 233.9 | 232.9 | 232.9 | 230.2 |
| 75°   | 197.0 | 196.0 | 197.3 | 196.0 | 194.7 |
| 77.5° | 160.8 | 161.8 | 161.4 | 159.8 | 161.1 |
| 80°   | 122.8 | 124.2 | 124.9 | 123.5 | 124.9 |
| 82.5° | 91.0  | 91.0  | 90.6  | 90.6  | 89.6  |
| 85°   | 58.1  | 56.0  | 57.4  | 56.0  | 56.4  |
| 87.5° | 26.5  | 26.2  | 24.8  | 25.8  | 25.5  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - 90°-270°







(END OF REPORT)