

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: P856431

Luminaire Tested: **11MMS-L3C5-UNV-MEDIUM-3500K**

Issue Date: 7/30/2024

Test Information

Test Method: LM-79-08
Report Number: P856431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 11MMS-L3C5-UNV-MEDIUM-3500K
Description: 1x1 Multi-mount Selectable Direct Mound LED Backlit Panel at MEDIUM
and 3500K settings
Light Source: -
Ballast/Driver: -

Summary

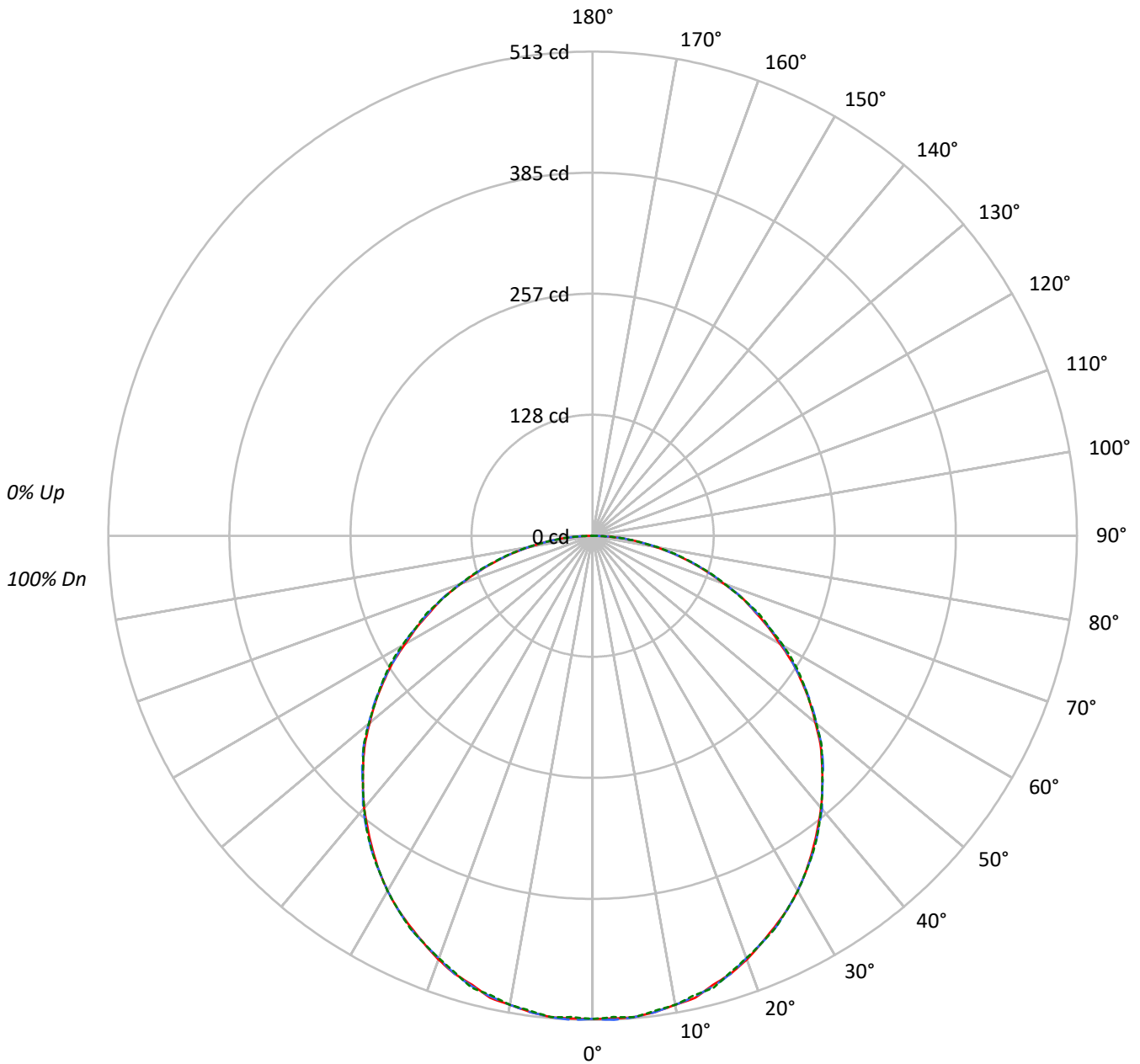
Lumens per Lamp: N/A
Luminaire Lumens: 1500.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
CIE Type: Direct

Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P856431

CATALOG NUMBER: 11MMS-L3C5-UNV-MEDIUM-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P856431

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 0 | | | | | | | | | | | | | | | | |
| 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 | 94 | 90 | 93 | 90 | 88 | 89 | 87 | 85 | 83 | | | | | | | | | | | | | | | | | | | |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 81 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 78 | 74 | 71 | 69 | | | | | | | | | | | | | | | | | | | |
| 3 | 89 | 79 | 70 | 64 | 87 | 77 | 69 | 63 | 74 | 67 | 62 | 71 | 66 | 61 | 69 | 64 | 60 | 58 | | | | | | | | | | | | | | | | | | | |
| 4 | 82 | 70 | 61 | 54 | 79 | 68 | 60 | 53 | 66 | 58 | 53 | 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 | 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 | 38 | 32 | 58 | 45 | 37 | 32 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 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 | 39 | 31 | 26 | 38 | 30 | 26 | 37 | 30 | 25 | 36 | 30 | 25 | 24 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7934 | 7934 | 7934 |
| 5° | 7965 | 7965 | 7965 |
| 10° | 7940 | 7940 | 7940 |
| 15° | 7905 | 7929 | 7953 |
| 20° | 7880 | 7855 | 7855 |
| 25° | 7814 | 7838 | 7838 |
| 30° | 7777 | 7777 | 7777 |
| 35° | 7688 | 7716 | 7716 |
| 40° | 7618 | 7648 | 7618 |
| 45° | 7536 | 7569 | 7536 |
| 50° | 7427 | 7463 | 7463 |
| 55° | 7318 | 7358 | 7358 |
| 60° | 7105 | 7198 | 7242 |
| 65° | 6932 | 6987 | 7097 |
| 70° | 6676 | 6743 | 6743 |
| 75° | 6414 | 6504 | 6504 |
| 80° | 5980 | 6114 | 6239 |
| 85° | 5566 | 5566 | 5566 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 48.6 | 3.2 |
| 10°-20° | 139.2 | 9.3 |
| 20°-30° | 210.8 | 14.1 |
| 30°-40° | 254.6 | 17.0 |
| 40°-50° | 265.8 | 17.7 |
| 50°-60° | 242.9 | 16.2 |
| 60°-70° | 188.8 | 12.6 |
| 70°-80° | 114.5 | 7.6 |
| 80°-90° | 34.8 | 2.3 |
| 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° | 398.5 | 26.6 |
| 0°-40° | 653.2 | 43.5 |
| 0°-60° | 1161.9 | 77.5 |
| 0°-90° | 1500.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1500.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 512 | 512 | 512 | 512 | 512 | |
| 5° | 512 | 510 | 512 | 510 | 512 | 49 |
| 15° | 493 | 493 | 494 | 494 | 496 | 139 |
| 25° | 457 | 457 | 458 | 457 | 458 | 211 |
| 35° | 406 | 406 | 408 | 406 | 408 | 254 |
| 45° | 344 | 344 | 345 | 345 | 344 | 265 |
| 55° | 271 | 272 | 272 | 272 | 272 | 242 |
| 65° | 189 | 190 | 190 | 192 | 194 | 188 |
| 75° | 107 | 109 | 109 | 110 | 109 | 113 |
| 85° | 31 | 31 | 31 | 31 | 31 | 35 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P856431

CATALOG NUMBER: 11MMS-L3C5-UNV-MEDIUM-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 511.9 | 511.9 | 511.9 | 511.9 | 511.9 |
| 2.5° | 511.9 | 511.9 | 513.4 | 511.9 | 510.4 |
| 5° | 511.9 | 510.4 | 511.9 | 510.4 | 511.9 |
| 7.5° | 508.9 | 507.5 | 508.9 | 508.9 | 507.5 |
| 10° | 504.5 | 504.5 | 504.5 | 504.5 | 504.5 |
| 12.5° | 501.5 | 500.0 | 500.0 | 500.0 | 498.5 |
| 15° | 492.6 | 492.6 | 494.1 | 494.1 | 495.6 |
| 17.5° | 486.6 | 483.6 | 486.6 | 486.6 | 485.1 |
| 20° | 477.7 | 477.7 | 476.2 | 476.2 | 476.2 |
| 22.5° | 467.3 | 467.3 | 467.3 | 468.8 | 467.3 |
| 25° | 456.9 | 456.9 | 458.3 | 456.9 | 458.3 |
| 27.5° | 446.4 | 445.0 | 446.4 | 446.4 | 446.4 |
| 30° | 434.5 | 433.1 | 434.5 | 433.1 | 434.5 |
| 32.5° | 421.1 | 421.1 | 421.1 | 421.1 | 421.1 |
| 35° | 406.3 | 406.3 | 407.8 | 406.3 | 407.8 |
| 37.5° | 391.4 | 391.4 | 392.9 | 392.9 | 392.9 |
| 40° | 376.5 | 376.5 | 378.0 | 378.0 | 376.5 |
| 42.5° | 360.1 | 360.1 | 360.1 | 361.6 | 360.1 |
| 45° | 343.8 | 343.8 | 345.3 | 345.3 | 343.8 |
| 47.5° | 327.4 | 327.4 | 328.9 | 328.9 | 328.9 |
| 50° | 308.0 | 309.5 | 309.5 | 309.5 | 309.5 |
| 52.5° | 290.2 | 291.7 | 291.7 | 291.7 | 290.2 |
| 55° | 270.8 | 272.3 | 272.3 | 272.3 | 272.3 |
| 57.5° | 251.5 | 250.0 | 251.5 | 253.0 | 254.5 |
| 60° | 229.2 | 232.2 | 232.2 | 232.2 | 233.6 |
| 62.5° | 209.8 | 211.3 | 211.3 | 211.3 | 211.3 |
| 65° | 189.0 | 190.5 | 190.5 | 192.0 | 193.5 |
| 67.5° | 171.1 | 169.6 | 171.1 | 169.6 | 169.6 |
| 70° | 147.3 | 148.8 | 148.8 | 150.3 | 148.8 |
| 72.5° | 128.0 | 128.0 | 128.0 | 129.5 | 129.5 |
| 75° | 107.1 | 108.6 | 108.6 | 110.1 | 108.6 |
| 77.5° | 87.8 | 87.8 | 87.8 | 87.8 | 89.3 |
| 80° | 67.0 | 68.5 | 68.5 | 68.5 | 69.9 |
| 82.5° | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 |
| 85° | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| 87.5° | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





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







(END OF REPORT)