

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: P856425

Luminaire Tested: **11MMS-L3C5-UNV-LOW-3000K**

Issue Date: 7/30/2024



Test Information

Test Method: LM-79-08
Report Number: P856425
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-LOW-3000K
Description: 1x1 Multi-mount Selectable Direct Mound LED Backlit Panel atLOW and 3000K settings
Light Source: -
Ballast/Driver: -

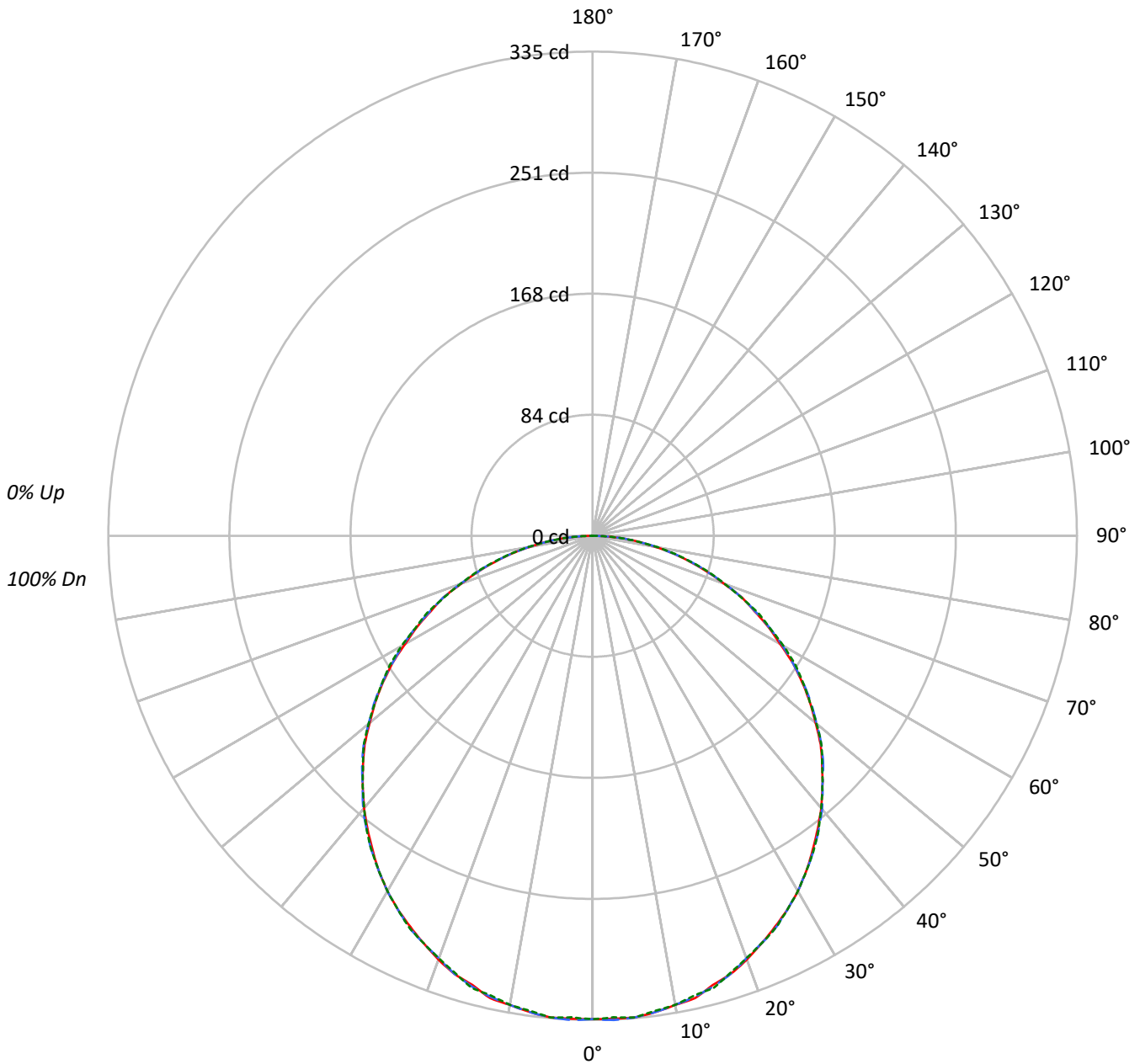
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 980.0 lumens
Efficiency: N/A
Efficacy: 98.0 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): 10
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





TEST NUMBER: P856425

CATALOG NUMBER: 11MMS-L3C5-UNV-LOW-3000K

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° | 5185 | 5185 | 5185 |
| 5° | 5205 | 5205 | 5205 |
| 10° | 5188 | 5188 | 5188 |
| 15° | 5164 | 5180 | 5196 |
| 20° | 5148 | 5132 | 5132 |
| 25° | 5105 | 5122 | 5122 |
| 30° | 5081 | 5081 | 5081 |
| 35° | 5022 | 5041 | 5041 |
| 40° | 4978 | 4998 | 4978 |
| 45° | 4923 | 4945 | 4923 |
| 50° | 4854 | 4876 | 4876 |
| 55° | 4783 | 4807 | 4807 |
| 60° | 4641 | 4703 | 4731 |
| 65° | 4530 | 4563 | 4636 |
| 70° | 4364 | 4405 | 4405 |
| 75° | 4192 | 4252 | 4252 |
| 80° | 3910 | 3990 | 4079 |
| 85° | 3628 | 3628 | 3628 |



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CATALOG NUMBER: 11MMS-L3C5-UNV-LOW-3000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 31.7 | 3.2 |
| 10°-20° | 90.9 | 9.3 |
| 20°-30° | 137.7 | 14.1 |
| 30°-40° | 166.4 | 17.0 |
| 40°-50° | 173.7 | 17.7 |
| 50°-60° | 158.7 | 16.2 |
| 60°-70° | 123.3 | 12.6 |
| 70°-80° | 74.8 | 7.6 |
| 80°-90° | 22.8 | 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° | 260.4 | 26.6 |
| 0°-40° | 426.7 | 43.5 |
| 0°-60° | 759.1 | 77.5 |
| 0°-90° | 980.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 980.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 334 | 334 | 334 | 334 | 334 | |
| 5° | 334 | 334 | 334 | 334 | 334 | 32 |
| 15° | 322 | 322 | 323 | 323 | 324 | 91 |
| 25° | 298 | 298 | 300 | 298 | 300 | 138 |
| 35° | 265 | 265 | 266 | 265 | 266 | 166 |
| 45° | 225 | 225 | 226 | 226 | 225 | 173 |
| 55° | 177 | 178 | 178 | 178 | 178 | 158 |
| 65° | 124 | 124 | 124 | 125 | 126 | 123 |
| 75° | 70 | 71 | 71 | 72 | 71 | 74 |
| 85° | 20 | 20 | 20 | 20 | 20 | 23 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P856425

CATALOG NUMBER: 11MMS-L3C5-UNV-LOW-3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 334.5 | 334.5 | 334.5 | 334.5 | 334.5 |
| 2.5° | 334.5 | 334.5 | 335.4 | 334.5 | 333.5 |
| 5° | 334.5 | 333.5 | 334.5 | 333.5 | 334.5 |
| 7.5° | 332.5 | 331.5 | 332.5 | 332.5 | 331.5 |
| 10° | 329.6 | 329.6 | 329.6 | 329.6 | 329.6 |
| 12.5° | 327.7 | 326.7 | 326.7 | 326.7 | 325.7 |
| 15° | 321.8 | 321.8 | 322.8 | 322.8 | 323.8 |
| 17.5° | 317.9 | 316.0 | 317.9 | 317.9 | 317.0 |
| 20° | 312.1 | 312.1 | 311.1 | 311.1 | 311.1 |
| 22.5° | 305.3 | 305.3 | 305.3 | 306.3 | 305.3 |
| 25° | 298.5 | 298.5 | 299.5 | 298.5 | 299.5 |
| 27.5° | 291.7 | 290.7 | 291.7 | 291.7 | 291.7 |
| 30° | 283.9 | 282.9 | 283.9 | 282.9 | 283.9 |
| 32.5° | 275.1 | 275.1 | 275.1 | 275.1 | 275.1 |
| 35° | 265.4 | 265.4 | 266.4 | 265.4 | 266.4 |
| 37.5° | 255.7 | 255.7 | 256.7 | 256.7 | 256.7 |
| 40° | 246.0 | 246.0 | 247.0 | 247.0 | 246.0 |
| 42.5° | 235.3 | 235.3 | 235.3 | 236.3 | 235.3 |
| 45° | 224.6 | 224.6 | 225.6 | 225.6 | 224.6 |
| 47.5° | 213.9 | 213.9 | 214.9 | 214.9 | 214.9 |
| 50° | 201.3 | 202.2 | 202.2 | 202.2 | 202.2 |
| 52.5° | 189.6 | 190.6 | 190.6 | 190.6 | 189.6 |
| 55° | 177.0 | 177.9 | 177.9 | 177.9 | 177.9 |
| 57.5° | 164.3 | 163.3 | 164.3 | 165.3 | 166.3 |
| 60° | 149.7 | 151.7 | 151.7 | 151.7 | 152.6 |
| 62.5° | 137.1 | 138.1 | 138.1 | 138.1 | 138.1 |
| 65° | 123.5 | 124.4 | 124.4 | 125.4 | 126.4 |
| 67.5° | 111.8 | 110.8 | 111.8 | 110.8 | 110.8 |
| 70° | 96.3 | 97.2 | 97.2 | 98.2 | 97.2 |
| 72.5° | 83.6 | 83.6 | 83.6 | 84.6 | 84.6 |
| 75° | 70.0 | 71.0 | 71.0 | 71.9 | 71.0 |
| 77.5° | 57.4 | 57.4 | 57.4 | 57.4 | 58.3 |
| 80° | 43.8 | 44.7 | 44.7 | 44.7 | 45.7 |
| 82.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| 85° | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 87.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 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)