

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: FAIL-SAFE

Report Number: P726802

Luminaire Tested: **MRI-DRV-FLD4C-15-L935 F4LC-W-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P726802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER-P3
Issue Date: 08/03/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MRI-DRV-FLD4C-15-L935 F4LC-W-X-H
Description: 4 INCH FAIL-SAFE MRI REMOTE DRIVER LED DOWNLIGHT WITH 3500K, 90 CRI
LEDS, 4LBWH TRIM
Light Source: -
Ballast/Driver: -

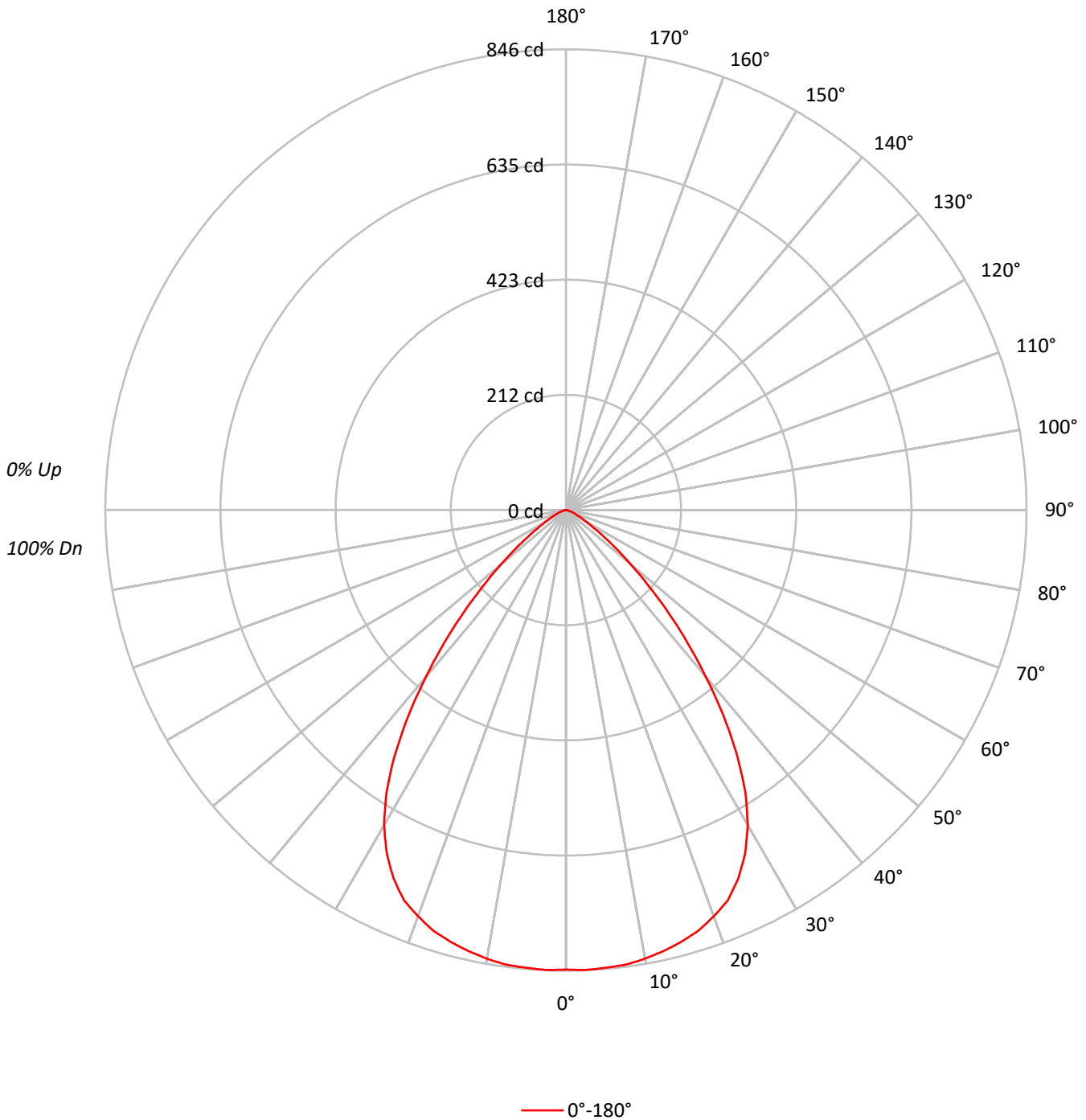
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1309.0 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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: P726802
CATALOG NUMBER: MRI-DRV-FLD4C-15-L935 F4LC-W-X-H

Luminous Intensity Polar Plot





TEST NUMBER: P726802
 CATALOG NUMBER: MRI-DRV-FLD4C-15-L935 F4LC-W-X-H

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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | 91 | 91 | 91 |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 93 | 90 | 95 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 82 | 82 | 82 | 82 |
| 3 | 99 | 91 | 85 | 80 | 97 | 90 | 84 | 80 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 74 | 74 | 74 | 74 |
| 4 | 92 | 83 | 77 | 72 | 90 | 82 | 76 | 71 | 80 | 75 | 70 | 78 | 73 | 70 | 76 | 72 | 69 | 67 | 67 | 67 | 67 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 64 | 74 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 61 | 61 | 61 | 61 |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 55 | 55 | 55 | 55 |
| 7 | 76 | 65 | 58 | 53 | 75 | 65 | 58 | 53 | 63 | 57 | 53 | 62 | 56 | 52 | 61 | 56 | 52 | 50 | 50 | 50 | 50 |
| 8 | 72 | 60 | 53 | 49 | 70 | 60 | 53 | 49 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 46 | 46 | 46 | 46 |
| 9 | 68 | 56 | 49 | 45 | 66 | 56 | 49 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 43 | 43 | 43 | 43 |
| 10 | 64 | 52 | 46 | 41 | 63 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 49 | 44 | 41 | 39 | 39 | 39 | 39 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 103651 |
| 5° | 104047 |
| 10° | 104365 |
| 15° | 104370 |
| 20° | 103793 |
| 25° | 101367 |
| 30° | 94748 |
| 35° | 82037 |
| 40° | 64085 |
| 45° | 45989 |
| 50° | 29873 |
| 55° | 17885 |
| 60° | 10467 |
| 65° | 6715 |
| 70° | 4454 |
| 75° | 3370 |
| 80° | 2547 |
| 85° | 0 |



TEST NUMBER: P726802
 CATALOG NUMBER: MRI-DRV-FLD4C-15-L935 F4LC-W-X-H

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 80.3 | 6.1 |
| 10°-20° | 231.5 | 17.7 |
| 20°-30° | 341.6 | 26.1 |
| 30°-40° | 337.1 | 25.8 |
| 40°-50° | 206.3 | 15.8 |
| 50°-60° | 79.1 | 6.0 |
| 60°-70° | 24.7 | 1.9 |
| 70°-80° | 7.3 | 0.6 |
| 80°-90° | 1.0 | 0.1 |
| 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° | 653.5 | 49.9 |
| 0°-40° | 990.6 | 75.7 |
| 0°-60° | 1276.0 | 97.5 |
| 0°-90° | 1309.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1309.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 844 | |
| 5° | 844 | 80 |
| 15° | 821 | 232 |
| 25° | 748 | 342 |
| 35° | 547 | 337 |
| 45° | 265 | 206 |
| 55° | 84 | 79 |
| 65° | 23 | 25 |
| 75° | 7 | 7 |
| 85° | 0 | 1 |
| 90° | 0 | |



TEST NUMBER: P726802
CATALOG NUMBER: MRI-DRV-FLD4C-15-L935 F4LC-W-X-H

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 843.7 |
| 2.5° | 845.5 |
| 5° | 843.7 |
| 7.5° | 842.0 |
| 10° | 836.6 |
| 12.5° | 829.5 |
| 15° | 820.6 |
| 17.5° | 809.9 |
| 20° | 793.9 |
| 22.5° | 776.2 |
| 25° | 747.8 |
| 27.5° | 712.2 |
| 30° | 667.9 |
| 32.5° | 612.8 |
| 35° | 547.0 |
| 37.5° | 474.2 |
| 40° | 399.6 |
| 42.5° | 330.4 |
| 45° | 264.7 |
| 47.5° | 206.0 |
| 50° | 156.3 |
| 52.5° | 115.5 |
| 55° | 83.5 |
| 57.5° | 58.6 |
| 60° | 42.6 |
| 62.5° | 32.0 |
| 65° | 23.1 |
| 67.5° | 17.8 |
| 70° | 12.4 |
| 72.5° | 8.9 |
| 75° | 7.1 |
| 77.5° | 3.6 |
| 80° | 3.6 |
| 82.5° | 1.8 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)